



மெருநகர சென்னை மாநகராட்சி

GREATER CHENNAI CORPORATION

**CITY
DISASTER
MANAGEMENT
PERSPECTIVE
PLAN
2021**

GREATER CHENNAI CORPORATION



Victoria Public Hall -1888



CITY DISASTER MANAGEMENT PERSPECTIVE PLAN 2021

PREFACE



Chennai is a coastal city with a tropical wet and dry climate and is prone to natural disasters like floods, cyclones, earthquakes, tsunamis et., Chennai's terrain is flat with most of the area at an average elevation of 2m above mean sea level and certain areas are even

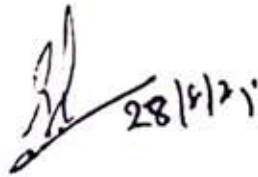
below the sea level. The City is surrounded by Thiruvallur and Kancheepuram districts having more than 2500 tanks and all this water disposes through Adyar, Cooum and Kosasthalaiyar rivers flowing through Chennai City. The combined hydrological effect of all these makes it difficult to manage inundation and de-watering during monsoon. Greater Chennai Corporation as the jurisdictional disaster management authority has the primary responsibility to effectively coordinate the disaster mitigation and response arrangement across the City with all Stakeholders.

While natural disasters are beyond our control, our capabilities to reduce risk, prevent losses, prepare, respond and recover can be further improved by effective planning and efficient interdepartmental co-ordination. In this context, Greater Chennai Corporation has come up with this City Disaster Management Plan to assist and guide all the stake holders in all phases of Disasters. The plan takes into account the global and national trends in disaster management and it incorporates, the approaches suggested in the Sendai Framework for Disaster Risk Reduction 2015 – 2020 which outlines four priorities for action:-

- Understanding disaster risk.
- Strengthening disaster risk governance to manage disaster risk.
- Investing in disaster risk reduction for resilience and

- Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction.

While the City Disaster Management Plan provides a broad framework, the implementation requires sincere well coordinated approach among various agencies and stakeholders, and active participation of the civil society, community based organizations and private sector. Hence, I request all the stakeholders to work together as a team to make our City disaster-resilient.



GAGANDEEP SINGH BEDI, I.A.S.,
Principal Secretary / Commissioner
Greater Chennai Corporation

VISION

To enhance the disaster preparedness, to maximize the ability to cope up with disasters and significantly reduce the losses of lives, livelihoods and properties. To minimize the vulnerability to disasters and thus make the city of Chennai disaster resilient and make it a safe place to live in.

MISSION

- Increase resilience and prevent the emergence of disasters by strengthening scientific and technical capabilities on all aspects of preparedness.
- Identify vulnerability of the different parts of the city to disasters and specify minimum standard measures to be adopted for prevention and mitigation of disasters.
- Assign well defined roles and responsibilities to various administrative units in the Greater Chennai Corporation to prepare, mitigate and respond to any disaster.
- Coordinate with Government Departments, NGOs, other Institutions as partners to reduce and manage disaster risks.
- Increase the capacity development comprehensively at all levels to effectively respond to multiple hazards of a disaster.

RATIONALE

As per Section 31 of the Disaster Management Act, 2005(DM Act), District Disaster Management Authority (DDMA) of each district in the country shall prepare City Disaster Management Plan (CDMP) which is to be approved by State Disaster Management Authority (SDMA). It is to be reviewed and updated annually. The DM Act further provides that DDMP shall, inter alia, include areas in the district vulnerable to different forms of disasters; measures to be taken for prevention, mitigation, capacity-building and preparedness. The DDMP shall also include response plans and procedures, in the event of a disaster providing for allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the city; prompt response to disaster and relief thereof; procurement of essential resources; establishment of communication links; and the dissemination of information to the public to respond to any threatening disaster situation or disaster.

EXECUTIVE SUMMARY

The City Disaster Management Perspective Plan 2019-2030 (CDMP) is framed as a set of guidelines to be followed for effective disaster management at the district level and thus forms an action plan for the city of Chennai in its disaster preparedness, prevention mitigation and also for the monitoring of impending disasters. This plan has taken into account the vulnerabilities of Chennai for disasters based on its geography, demography, and its social and environmental aspects. It has been prepared based on the principles in National Disaster Management Plan (NDMP) and State Disaster Management Plan (SDMP). It also highlights Chennai's actions and priorities based on the State Disaster Management Perspective Plan 2018-2030 and the Sendai Framework for Disaster Risk Reduction 2015-2030.

The CDMP covers the occurrence of national calamities in the past such as floods, cyclones, and tsunamis. It also highlights mitigation strategies, assembly locations, and preparedness measures for different disasters. Areas that have faced inundation during previous natural disasters are also identified. The governance mechanism to manage disasters and to deal with the impacts is also highlighted by the various departments of the government and of Chennai Corporation.

The Control Room at the Greater Chennai Corporation serves as Chennai's Emergency Operations Centre. Based on the Standard Operating Procedures, in the event of a disaster, responsibilities of the concerned departments at the city level and of government are outlined to ensure prompt response to disaster. Immediate relief and rehabilitation measures by mobilizing essential resources with the proper dissemination of information to the public will be coordinated by the Control Room.

This plan outlines the investments and preparedness for disaster risk reduction by the Government of Tamil Nadu and Greater Chennai Corporation to proactively approach disasters based on the State Disaster Management Perspective Plan. It also demonstrates GCC's initiatives with Governmental and NGOs / Institutions to respond to disasters.

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1.0 INTRODUCTION

1.1 Disaster Management and Planning

Disaster is a hazard causing heavy loss to life, property and livelihood. The term disaster management deals with relief and rescue operations before and after the occurrence of the disaster. The disaster risk management is the systematic process of using administrative decisions, organization, operational skills and capacities to implement policies, strategies and coping capacities of the society and communities to significantly minimize the impacts of natural hazards and related environmental and technological disaster. The disaster management plan has to be implemented to minimize the adverse impact of the multiple hazard with the broad context of sustainable development. The disaster management is the process of organization, planning and application of measures preparing for prevention, responding to and initial recovery from disasters. The management of resources and responsibilities for dealing with humanitarian aspects of emergencies.



Disaster Management Cycle

The pie chart shows the typical disaster management action plan for any kind of disaster occurrence. The disaster is a result of the combination of many factors such as the exposure to hazards, the conditions of vulnerability that are present and insufficient capacity or measures to reduce or cope with the potential negative consequences. Disaster impacts may include loss of life, injuries, disease and other negative effects on human physical, mental and social well-being, together with damage to property, destruction of assets, loss of services, social and economic disruption and environmental degradation.

1.2 Need of Disaster Management plan

The natural disaster is an unexpected event that cannot be prevented but its effect can be minimized. The disaster management plan has been framed for the prevention of danger or threat of any disaster, mitigation or reduction of risk of any disaster or its severity or consequences, capacity-building, preparedness to deal with any disaster, prompt response to any threatening disaster situation or disaster, assessing the severity or magnitude of effects of any disaster evacuation, rescue and relief and rehabilitation and reconstruction. The plan is framed based on the collection of catastrophic events. The disaster causes major threat to lives and property.

Protection includes the installation of alarms, fire suppression systems, establishment of basic building security measures, the assembly of emergency supply kits and the organisation of an in-house disaster response team. Response includes actions to be undertaken to deal with the demanding situation often with the help of outside expertise and advice. The plan should be easy and provide a speedier response. The necessary resources should be identified and the sources of assistance also should be identified.

The management plan can avert the disaster before it occurs, anticipating the future course of natural occurrence such as flood will reduce the vulnerability, to provide rehabilitation programme like construction of dwellings and other infrastructures, to undertake the liaison works, to protect and preserve the environment and to prevent the losses of life and property.

1.3 Scope of Disaster Planning

The scope of this Chennai disaster plan's entities (e.g., departments, agencies, private sector, NGOs, citizens) and covers entire geographic area of Greater Chennai Corporation. The guidelines of the Disaster Management Authority used largely for preparation of Disaster Plan for Greater Chennai Corporation covering revenue districts of Chennai, part of Tiruvallur and Kancheepuram Districts.

The purpose of the statement should include enough information to establish the direction of the plan. The scope should include all disaster phases such as Prevention, Preparedness, Mitigation, Response and Recovery, redressal to multiple hazards to be implemented in whole city/ in certain areas of the city and zone wise Disaster Management Plan on a micro scale.

Special care has been taken for special groups including disabled, aged, children, sick and pregnant women to ensure that the relevant Disaster Risk Reduction (DRR) concerns are integrated in the Plan. The plan is also focussed on the relief measures and necessary mitigation plans that are to be undertaken by the government bodies

1.4 Objective of the Disaster Planning

The main objective of this disaster plan includes prevention, mitigation, preparedness measures, response plan and procedures for Chennai City.

The following are the indicative list with possible objectives.

- * Closely follow the NDMA/SDMA directions in identifying impending disaster and to enhance the preparedness to face it.
- * Improve the timely warning and alerts to be delivered in precise manner so as to alert the people from major risks associated with the disaster.
- * Receive swiftly scientific/ technical advice from Government/ Institutions and ACT.
- * The quick response system to be implemented for proper communication to people in flood affected area.
- * Utilizing all agencies capable of providing assistance.
- * Effective co-ordination are the integral components of effective disaster management as the team have to work with good rapport to perform the work effectively.
- * The help and rescue operation has to be carried out with minimum delay so the needs are fulfilled within time to reduce the maximum losses and damages.
- * The field workers and officials should bring solace to the troubled minds by interacting with the people and encouraging them to be free from problem caused by the disaster.

1.5 Types Of Disasters

There are 28 types of common natural and manmade disasters, which can be classified into these following 5 sub-groups.

i. **Hydro- Meteorological Disasters (8)**

Cyclones, Droughts, Periodical floods/ Urban floods, Hailstorm, Cloud burst, Heat wave, Coastal Erosion, Thunder and Lightning.

ii. **Geological Disasters (3)**

Landslides, Earthquake and Tsunami.

iii. **Chemical, Industrial and Radiological (3)**

Industrial Fires, Gas & Chemical Leakages, Nuclear Disaster

iv. **Accidents Disasters (10)**

Forest Fires, Electrical Fires, Collapsing of Buildings, Urban Fires, Oil Spills, Serial Bomb Blasts, Festival Fire, Stampedes, Road/Rail Accidents, Air Crash and Boat Capsizing .

v. **Biological Disasters (4)**

Pest attacks, Food poisoning, Water borne diseases and Cattle epidemics.

1.6 Response Planning

The disaster response structure will be activated on the receipt of disaster warning /on the occurrence of the disaster. The aim of this plan is to establish an understanding of the structure and operating procedures for addressing all aspects of disaster preparedness and response in Chennai city. This plan seeks to ensure that the disaster preparedness for response is carried in a coordinated and collaborative manner, ensuring the greatest protection of life, property, health and environment.

Disaster early warning is a major element of disaster risk reduction. Early action can often prevent major catastrophes. To be effective and sustainable, they must actively involve the communities at risk.

Response mechanism of the concerned line departments along with the roles and responsibilities of each one of them and immediate relief to be provided to the affected population is also inclusive.

Greater Chennai Corporation Plan will essentially focus on

- i. Co-ordinating with Metrological Department to get the warning report against the severe weather phenomena like tropical cyclones, heavy rain, floods, seismicity etc.,
- ii. Establishment of contact centres for people through Telephones and Web connectivity. For all weather related enquiries to contact, Duty Officer, Area Cyclone Warning centre – 044 28271951
- iii. An early disaster warning system with very high frequency equipment and public address systems with sirens, addressing public through air media will be established.
- iv. Tsunami Alert has to be received from the Indian Tsunami Early Warning Centre (ITEWC) of the Indian National Centre for Ocean Information Services (INCOIS).
- v. The Greater Chennai Corporation has introduced individual complaint helplines at Head Quarter in each of the 15 zones. The 24-hour helpline will function till the end of the North-East monsoon. The complaint numbers will be directly picked up by the zonal Officers, helpline operators and complaints are forwarded to the concerned authorities for necessary action.
- vi. Working in close quarters with State Disaster Centre regularly to get disaster related information for necessary action.

1.7 Integration with the State Disaster Management Perspective Plan 2018-2030 and the Sendai Framework

The Government of India came up with the National Disaster Management Plan in May, 2016 integrating the Sendai Framework for Disaster Risk Reduction 2015-2030 adopted at the third United Nations World Conference in Sendai, Japan, in 2015. The Sendai Framework was the first International agreement adopted within the context of the post-2015 development agenda. Two other major international developments followed in the same year. The “Sustainable Development Goals 2015 – 2030” were adopted by all nations in September 2015, and the “Paris Agreement” was signed by the signatories of the UN Framework Convention on Climate Change to combat human induced climate change in December 2015. Disaster risk reduction is a common theme in these three global agreements.

The Paris Agreement on global climate change highlights the importance of averting, minimizing, and addressing loss and damage associated with the adverse effects of climate change, including extreme weather events and slow onset events and the role of sustainable development in reducing the risk of loss and damage. Intrinsic to sustainable development is disaster risk reduction and the building of resilience to disasters. The Hon'ble Prime Minister of India declared a 10 point agenda in the Second Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR), held in New Delhi on November 2016. The 10 point agenda is the Roadmap for Disaster Risk Management to Climate Resilient and Sustainable Development.

The Government of Tamil Nadu has prepared the State Disaster Management Perspective Plan 2018-2030 which has accorded primacy to the priorities enunciated in the Sendai Framework, the Sustainable Development Goals, the Paris Agreement on Climate Change and the Hon'ble Prime Ministers 10 Point Agenda. The plan has been prepared as per the Disaster Management Act 2005(Para 23 item 4) and has relied on the National Disaster Management Authority Guidelines on State Disaster Management Plan. The Plan was developed based on an elaborate consultative process with the District Disaster Management Authorities, Departments of Government, civil society, and other multi-stakeholders.

The Sendai Framework is a 15-year voluntary, non-binding agreement which recognizes that countries have the primary role to reduce disaster risk but that responsibility should be shared with other stakeholders including local government, the private sector and other stakeholders. It aims for the following outcome "The substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries."

The State Disaster Management Perspective Plan 2018-2030 aspires "to build a safe and disaster resistant Tamil Nadu through systems approach, inclusive development and mainstreaming disaster risk concerns into the development ethos of the State" with 14 goals as highlighted below.

1. Comprehensive Flood Protection through structural and non-structural interventions to reduce the risks and enhance resilience and resistance of the community with special reference to Thiruvallur, Kancheepuram, Cuddalore, Nagapattinam, Thoothukudi, Ramanathapuram and Kanyakumari Districts.

2. Minimise the risk of urban floods with special focus on Greater Chennai Corporation and its neighborhood.
3. Enhance the resilience of farmers to face the vagaries of monsoon and impacts of climate change with special reference to Delta Districts.
4. Recharge the aquifers in Blocks where groundwater is currently overexploited/critical/semi-critical categories and convert into safe category.
5. Restore and protect ecologically fragile wetlands and Marsh Lands with special focus on Pallikaranai and Ennore Creek Areas and Gulf of Mannar.
6. Reclaim and restore areas affected by sea water intrusion and prevent sea water intrusion in coastal areas with special focus on Chennai, Thiruvallur and Cauvery Delta Districts.
7. Enhance bioshields to mitigate floods and storms in Coastal Districts
8. Restore and strengthen waterbodies and enhance the capacity of the water bodies through desiltation to mitigate floods and drought.
9. Promote sustainable agricultural practices in rainfed areas with special focus on Ramanathapuram, Dindigul, Perambalur, Sivagangai, Virudhunagar, Dharmapuri, Namakkal and Ariyalur Districts.
10. Reduce the risks in areas which are prone to specific disasters like landslides, forest fire etc. with a special focus on The Nilgiris, Coimbatore, Erode, Theni, Krishnagiri, Vellore, Villupuram, Dindigul and Thiruvallur Districts.
11. Enhance multi-stakeholder participation, especially community participation with social inclusion.
12. Strengthen non-structural measures to reduce the risks due to man-made and natural disasters.
13. Deliver climate resilient hydraulic infrastructure for irrigation and drainage to reduce inundation and flood damages, as well as sea water incursion with special focus on Delta Districts.
14. Build the capacity to manage Chemical, Biological, Radiological and Nuclear (CBRN) and other man-made disaster

Disaster risk management is highly complex requiring multipronged strategies by governments as well as by other stakeholders. Successful risk reduction strategies require a thorough understanding of the various disaster risks, robust disaster risk governance, thorough preparedness, effective response and build back better strategies. The disaster risk management to build resistant communities as well as transform areas vulnerable to disasters into disaster resilient areas; requires significant investments in disaster risk reduction from government as well as the private sector and communities. To address the goals that are specific and relevant to GCC, the various measures that are under implementation as well as planned to be taken up in the immediate future are explained in the subsequent chapters as per the Sendai Framework for Disaster Risk Reduction 2015-2030 and the State Disaster Management Perspective Plan 2018-2030.

2.0 CHENNAI CITY: A PROFILE

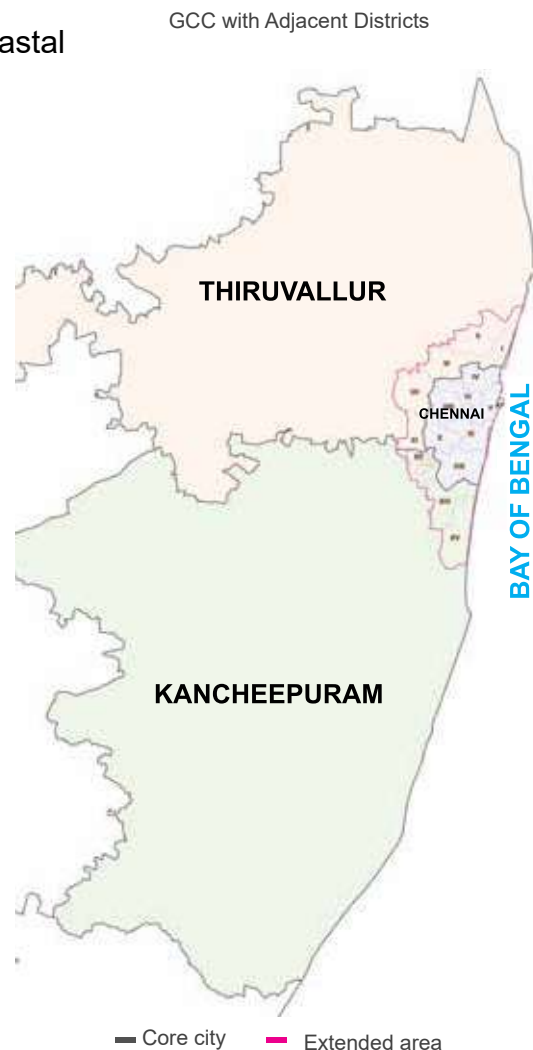
2.1 City Profile

Chennai formerly known as the Madras or Madarasapattinam is the capital of the Tamil Nadu state. It is referred to as the “Gateway of South India”. Tamil Nadu is one among the most urbanized States in the Country and Chennai city is the fourth most populous Metropolitan city in India, next to Mumbai, Kolkatta and Delhi. Chennai City is situated in the North East end of Tamilnadu on the coast of Bay of Bengal. Chennai city is bounded by the Northern Latitudes of 12°59’ 10” and 13°08’ 50” and the Eastern Longitudes of 80°12’ 10” and 80°18’ 20”.

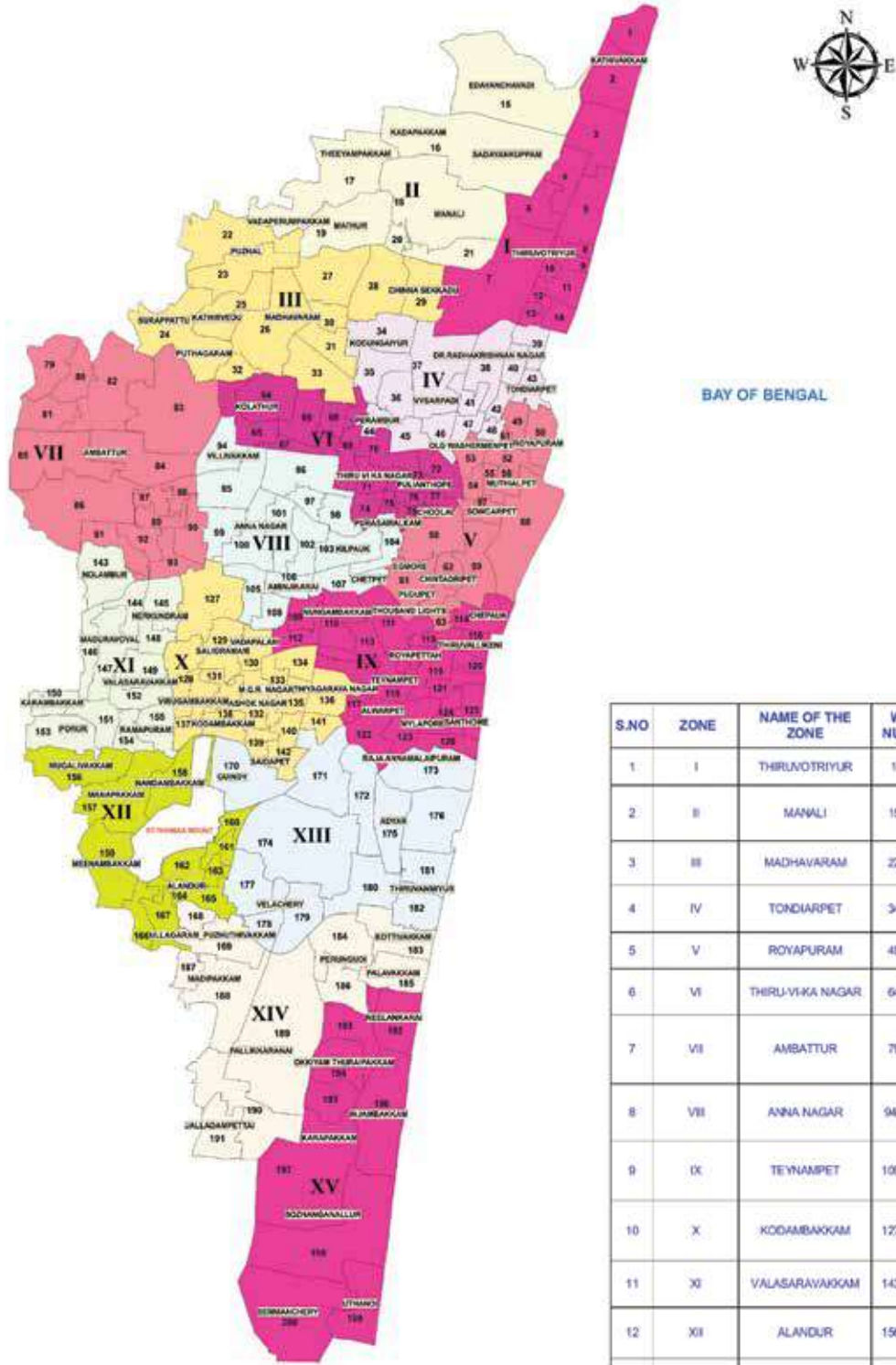
It is also called as the port city with a long coastal line of about 43 kms from Kathivakkam in the north to Uthandi in the south along the Bay of Bengal. The jurisdiction of the city has been expanded in the year 2011 by increasing the area from 174 sq.km to 426 Sq.km covering 3 revenue Districts namely Chennai, partly Kanchipuram and Thiruvallur. Chennai is one of the four cities in India through which the country is connected with the rest of the world through undersea fibre-optic cables, the other three being Mumbai, Kochi, and Tuticorin.

2.2 Chennai Population

The average population of Chennai city is about 66.72 lakhs based on 2011 census with a sex ratio of 989 females for every thousand males, much above the national average of 929. TNSCB estimates that 1.08 Lakhs economically weaker section families living in undeveloped slums of which 72,827 families are living in objectionable slums. TNSCB has also estimated that there are about 37,000 families living in unobjectionable areas and 9,687 families in Adyar river banks and 14,237 families in Cooum river banks . The birth and death rate in Chennai is 400 and 160 respectively. The average literacy rate in the city is 81.27% much high compared to national average of 72.99%. The ward wise population of every zone is mentioned in the zonal chapters.



ZONAL BOUNDARY



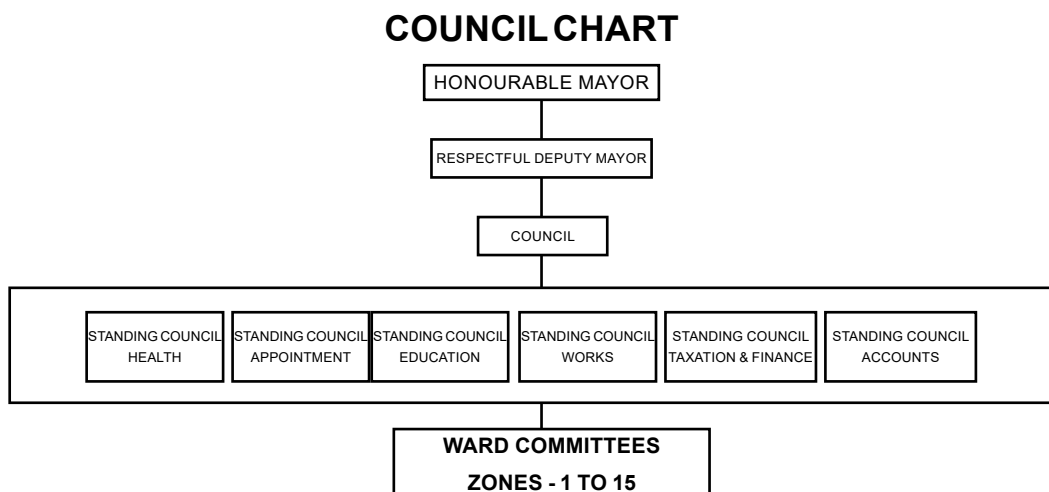
S.NO	ZONE	NAME OF THE ZONE	WARD NUMBER
1	I	THIRUVOTRIYUR	1 TO 14
2	II	MANALI	15 TO 21
3	III	MADHAVARAM	22 TO 33
4	IV	TONDIARPET	34 TO 48
5	V	ROYAPURAM	49 TO 83
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2.3 Evolution, Administration and Functions

The office of Greater Chennai Corporation is located at the Ripon Building, commissioned in 1913. Chennai city is governed by the Greater Chennai Corporation. It is being headed by the Mayor, who presides over 200 councilors each of whom represents one of the 200 wards of the city.

The Greater Chennai Corporation is administered by the Commissioner. There are 4 Joint/Deputy Commissioners in the Head Quarters assisting the Commissioner looking after Works, Health, Education and Revenue & Finance each. The functions of the Deputy Commissioners at the Head Quarters are to head the respective departments and report to the Commissioner. For effective administration and to render better service, the Greater Chennai Corporation is divided into three regions namely North, Central and South having 15 Zones, comprising 45 Units further divided into 200 Divisions. At 3 regional levels, Regional Deputy Commissioners North, Central and South are heading the regions each looking after 5 zones. The Zonal Officers/Assistant Commissioners are heading 15 Zones each with 2 Executive Engineers per Zone followed by “Unit offices” headed by Assistant Executive Engineer and “Divisional Offices” at grass root level headed by an Assistant Engineer/ Junior Engineer.

The administration of the Greater Chennai Corporation is being systematically organized with proper hierarchy. The administrative structures, duties and responsibilities of each officials, issues and preparedness plan are well discussed in detail for each zone in the zonal chapters.



2.4 Services Rendered by Greater Chennai Corporation

The major works carried are formation and maintenance of roads. Greater Chennai Corporation maintains 33,374 interior roads measuring a total length of 5,525 km and 471 bus route roads for 387 km. The Greater Chennai Corporation is maintaining 2,77,662 Street Lights, out of which 1,82,775 street lights have been converted in to LED lights. Greater Chennai Corporation is maintaining the storm water drains about 1894 km, and also maintains Canals, Flyovers, Health buildings, Schools, Parks, Community center, Burial ground etc., in the city. Greater Chennai Corporation is involved providing the basic amenities such as maintaining 602 Parks, 111 Traffic Islands and 113 community halls.

GCC runs 119 Primary Schools, 92 Middle Schools, 38 High Schools and 32 Higher Secondary Schools, totalling 281 Schools with 3116 teachers and 88,524 Students. GCC also runs 200 Kinter Garden Schools with in the existing school premises.

GCC provides Health Services through 138 Urban Primary Health Centers , 14 Urban Community Health Centers, 3 Emergency Obstetric Centers, 1 Communicable Disease Hospital with 238 medical officers, 1043 paramedical staff. On an average every day 17,800 out patients are treated in the above health centers.

Greater Chennai Corporation provides quality/hygienic food and drinking water through Amma Unavagam. As on date around 407 Amma Unavagam and 50 Amma Kudineer plants are functioning.

2.5 Essential Services by Other Authorities

The following Authorities like Madras High Court, Chennai Metropolitan Development Authority (CMDA), Greater Chennai Police, Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Tamil Nadu Generation and Distribution Corporation (TANGEDCO), Tamil Nadu Fire and Rescue Service (TNFRS), Airport, Ports, Railways, Road ways etc. also delivers essential service to the citizens.

**High Court****AirPort****Chennai Metro Rail Limited (CMRL)****Road ways****Chennai Port**

The services of authorities and departments are mentioned in detail in the following.

DEPARTMENTS	FUNCTIONS OR SERVICES
Madras High Court	Highest Judicial authority in the State
Chennai Metropolitan Development Authority (CMDA)	Responsible for planning and development of Chennai Metropolitan Area.
Greater Chennai Police	Maintains law and order, traffic in the city.

DEPARTMENTS	FUNCTIONS OR SERVICES
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)	It is exclusive agency which provides drinking water and maintains sewage systems in the city.
Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	Supply of electricity to house holds, street lights and other institutions.
Tamil Nadu Fire and Rescue Service (TNFRS).	Involved in fire and rescue operations.
Airways	The Chennai Airport handles both International and Domestic flights through Anna International terminal and Kamaraj Domestic terminal respectively. It is the third busiest airport in India and handles 12 million passengers in a year. The Airport located at a distance of 25 km from the city and is accessible by road, train and metro transport services.
Ports	The city is served by two major ports namely Chennai Port and Ennore Port. The Chennai port is the largest artificial port situated in Bay of Bengal handling an annual cargo tonnage of 61.46 million (2010–2011) and it is India's second busiest container hub, handling general industrial cargo, automobiles, etc. Chennai Port has 21 alongside berths in three distinct zones of the Chennai port namely the Ambedkar Dock, Jawahar Dock and Bharathi Dock. The Ennore port currently handles cargo such as coal, ore etc.
Railways	<p>Chennai is the birthplace of the railway system in India. Chennai Central is the headquarter of the Southern Railway Zone. The city has two main railway terminals. Chennai Central station, provides access to other States and Chennai Egmore stations is a terminus primarily within Tamil Nadu; it also handles a few inter–state trains.</p> <p>The Chennai suburban railway network, one of the oldest in the country, consists of four broad gauge sectors terminating at two locations in the city, namely Chennai Central and Chennai Beach. The elevated Mass Rapid Transit System which links between Chennai Beach and Velachery. The Chennai Metro, officially Chennai Metro Rail Limited (CMRL), is a rapid transit system serving the city. The first stretch covering the seven stations from Koyambedu to Alandur over a distance of 10 kilometres being operated since June 29th 2015, the section between Chennai Airport and Little Mount commenced operation on 21st September 2016 and the stretch between Alandur and St. Thomas Mount commence operation on 14th October 2016. The stretch between Thirmangalam and Nehru Park over a distance of 7.36 KM commenced operation on 14th May 2017.</p>

DEPARTMENTS	FUNCTIONS OR SERVICES
Roadways	<p>Chennai is connected by four major National Highways (NH) that originates in the city. They are</p> <ul style="list-style-type: none"> ● NH 4 to Mumbai (via Bangalore) ● NH 5 to Kolkata (via Bhubaneswar) ● NH 45 to Theni (via Tiruchirapalli) ● NH 205 to Anantapur, Andhra Pradesh (via Tirupati) <p>The Chennai Mofussil Bus Terminus (CMBT), is one of the largest bus terminal in Asia, serves as the terminus for all intercity buses from Chennai. The Metropolitan Transport Corporation operates public transport buses in the City covering an area of 3,929 square kilometre.</p>

2.6 Geography and Geology of City

2.6.1 Geology

The geology of Chennai comprises mostly of clay, sediment rocks and sandstone. The city is classified into three regions based on geology as sandy area, clayey area and hard-rock area. Sandy area are found along the river banks and the coast. Most of the cities were covered by clayey regions.

The main part of Chennai city such as T-Nagar, West-Mambalam, AnnaNagar, Perambur and Virugambakkam are covered with clayey. Hard rock areas are Adambakkam and a part in Saidapet. The sandy areas are Tiruvanmiyur, Adyar, Kottivakkam, Santhome, George Town, Tondiarpet and the rest of coastal Chennai.

The groundwater table in most of the area in Chennai is about 4 to 5m depths below the ground. The rainwater run-off in Chennai city percolates very quickly near the coastal area but in clayey and hard rock areas rainwater percolates slowly and held by the soil for a longer period of time.

2.6.2 Topography

Chennai is a plain terrain low-lying area and the land surface is almost flat like a pancake. The terrain is very flat with contours ranging from 2 m to 10 m above mean sea level with a few isolated hillocks. It rises slightly as the distance from the sea-shore increases but the average altitude of the city is not more than 7 m above mean sea level and the average slope varies at 0.7 m per km, while some localities are just at sea level and even in minus level. Terrain slope varies from 1: 5,000 to 1:10,000.

2.6.3 Green Cover and Wetlands

Green space distribution plays a imperative role in urban planning since they contribute significantly in enhancing ecological quality of metropolitan areas. Indian National Forest Policy aims at maintaining 33% of countries geographical area under forest and tree cover. Reserved Forest in Chennai city covers 2.71 Sq.km around Guindy National Park.

The land usage pattern in Chennai can be broadly classified as tree cover area of 72.82 Sq.km, Buildings cover 241 Sq.km, Parks cover 1.36 Sq.km, Water bodies cover 35.73 Sq.km and other area 104.40 Sq.km.

Name	Area in Sq km	Percentage
Buildings	241.50	56.7
Parks	9.20	2.2
Tanks	35.72	8.9
Temples	0.84	0.2
Trees	72.81	17.1
Others	65.93	15.5
Total	426.00	100.0

The Pallikaranai marsh land serves as a buffer for rain water draining from Velachery, Pallikaranai, Perungudi, Narayanapuram lake, Kilakattalai, Velachery and from a string of upstream lakes. GCC maintains 525 parks to an area of 1.36 Sq.km, 763 Open Space Reservation (OSR) land to an area of 16.05 lakhs Sq.km

2.6.4 Weather and Climate

The geographical location determines the weather and climate, being proximity to the sea and thermal equator and weather in Chennai relatively consistent with less variation in the seasonal temperature. The weather in Chennai is mostly hot and humid.

Experiencing the 3 major seasons namely summer, monsoon and winter, the city of Chennai has a tropical climate. April to June are the hottest months in Chennai recording maximum temperature during these months vary from 38-42

°C thus making Chennai very hot. However the cooling breeze at night comes as a relief to the residents of Chennai.

Climate data for Chennai													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °C (°F)	33 (91)	37 (99)	39 (102)	43 (109)	45 (113)	43 (109)	41 (106)	40 (104)	39 (102)	39 (102)	34 (93)	33 (91)	45 (113)
Average high °C (°F)	29 (84)	31 (88)	33 (91)	35 (95)	38 (100)	38 (100)	36 (97)	35 (95)	34 (93)	32 (90)	29 (84)	29 (84)	33.3 (91.8)
Average low °C (°F)	19 (66)	20 (68)	22 (72)	26 (79)	28 (82)	27 (81)	26 (79)	26 (79)	25 (77)	24 (75)	22 (72)	21 (70)	23.8 (75)
Record low °C (°F)	14 (57)	15 (59)	17 (63)	20 (68)	21 (70)	21 (70)	22 (72)	21 (70)	21 (70)	17 (63)	15 (59)	14 (57)	14 (57)
Average precipitation mm (inches)	16.2 (0.638)	3.7 (0.146)	3.0 (0.118)	13.6 (0.535)	48.9 (1.925)	53.7 (2.114)	97.8 (3.85)	149.7 (5.894)	109.1 (4.295)	282.7 (11.13)	350.3 (13.791)	138.2 (5.441)	1,266.9 (49.878)

Source: Indian Meteorological Department

Chennai experiences two monsoons namely South West Monsoon from June to September and North East Monsoon from October to December every year. South West Monsoon sets in over the extreme south western tip of the peninsula by the end of May. The onset of Monsoon is characterised by a sudden spurt of rainfall activities. It progresses inland in stages and covers the entire country by the middle of July. The average rainfall of South West Monsoon is 439.10 mm. North East Monsoon essentially contribute the rainfall for the city. The city gets average rainfall of 760 mm during North East Monsoon. The average rainfall of the city throughout the year is about 1,300 mm.

The winter in Chennai is short period of time. In November to February Chennai experiencing the winter season. This is the most comfortable and pleasant time in Chennai. During the winter months, Chennai maintains an average maximum and minimum temperature of 24°C and 20 °C respectively. Moderate rainfall is also received in the winter months by the city. This makes the weather and climate in Chennai pleasurable as well as comfortable.

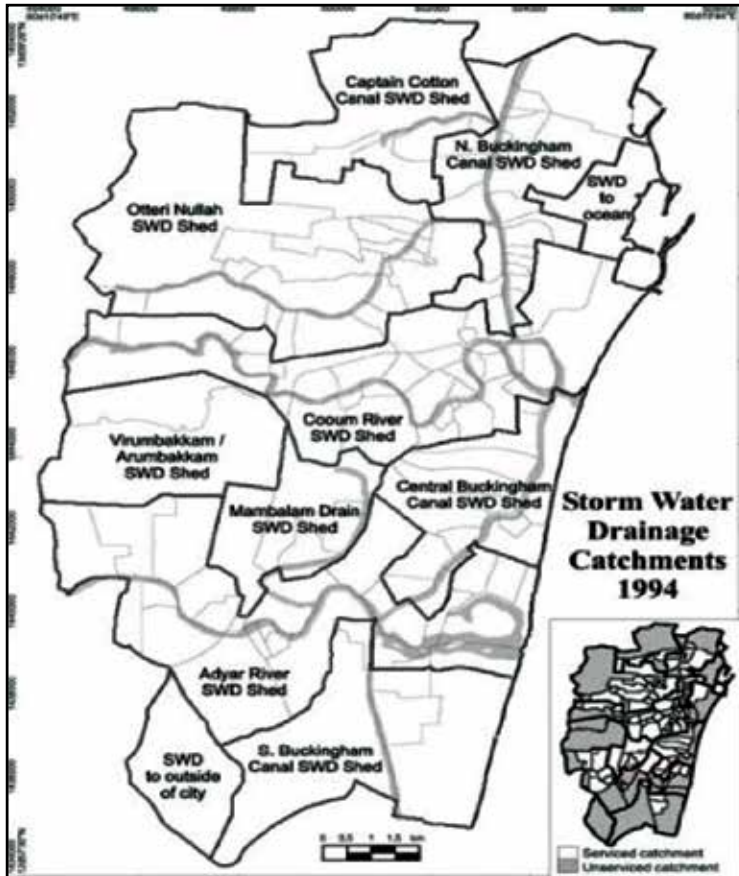
The lowest temperature that has been recorded in Chennai is 15.8 °C (60.4 °F) while the highest temperature being recorded as 45 °C (113 °F). The highest yearly rainfall in the city has been recorded to be 2,570 mm (101 in) in 2005. The formation of Cyclones in the Bay of Bengal has great influence in the city. The winds that prevail in Chennai in between April and October are the southwesterly wind while the remaining year experiences the northeasterly winds.

In Chennai IMD has two rain recording stations and 4 automated warning systems, the details are

1. Regional Meteorological Department, Nungambakkam
2. Airport Meteorological Department, Meenambakkam and four Automated Warning Systems in Avadi, DGP Office, Egmore, Sozhinganallur and Madhavaram.

2.7 Hydrology of City

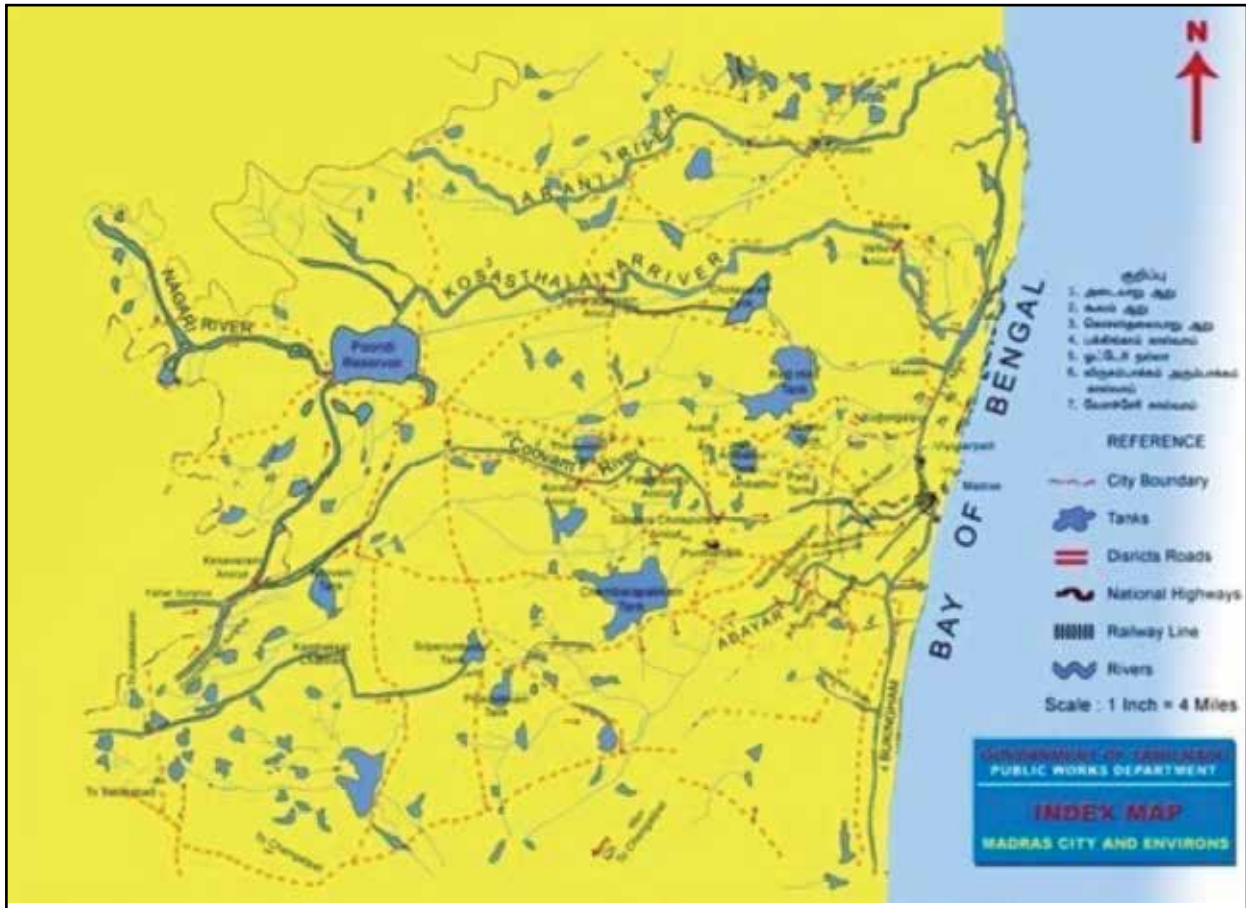
2.7.1 Water Bodies and Water Ways



There are 5 major water ways in the city maintained by the Public Works Department (PWD) and 31 minor Canals maintained by Greater Chennai Corporation. There are 7,360 storm water drains in the city for a length of 1,894 km which are drained to major and minor drainage systems. The storm water drainage catchment of Chennai city is presented in the map. The drainage systems in the city is divided into two types i) Macro Drainage and ii) Minor Drainage System.

2.7.2 Major Drainage System

Two major rivers meander through Chennai are the Cooum and Adyar River. A third river, Kosathalaiyar flows through the northern fringes of the city before draining into the Bay of Bengal, at Ennore. The Buckingham Canal, runs parallel to the coast, linking the two rivers. The OtteriNullah, an east–west stream, runs through north Chennai and meets the Buckingham Canal at Basin Bridge. Several water bodies of varying size are located on the western fringes of the city. The drainage system with water bodies is given in detail in the following map.



Kosasthalaiyar River originates near Kaveripakkam near pallipet in Tiruvallur district and flows in eastward direction. It bifurcates into Cooum River and Kosasthalaiyar at Keshavaramanicut. The main branch of Kosasthalaiyar River then flows northwards and enters into Poondi Reservoir. Nagari River originating in Chittoor district, is a northern tributary and joins the Kosasthalaiyar River at Poondi reservoir. On the downstream side of Poondi reservoir, Kosasthalaiyar River flows through the Thiruvallur district and Chennai, and finally confluence with sea at Ennore.

Cooum River bifurcates from the main Kosasthalaiyar River at the Keshavaramanicut and flows eastwards through Kanchipuram district into Chennai and finally joins the sea near Napier Bridge. Surplus from about 75 tanks in the catchment reaches are linked with Cooum River.

Adyar River originates from two tank groups namely Pillapakkam and Kavanur in Kanchipuram District and flows through the Chennai before it joins the sea at Adyar Mouth. Surplus from about 450 tanks in the catchment, including a major tank at Chembarambakkam, reaches the Adyar River.

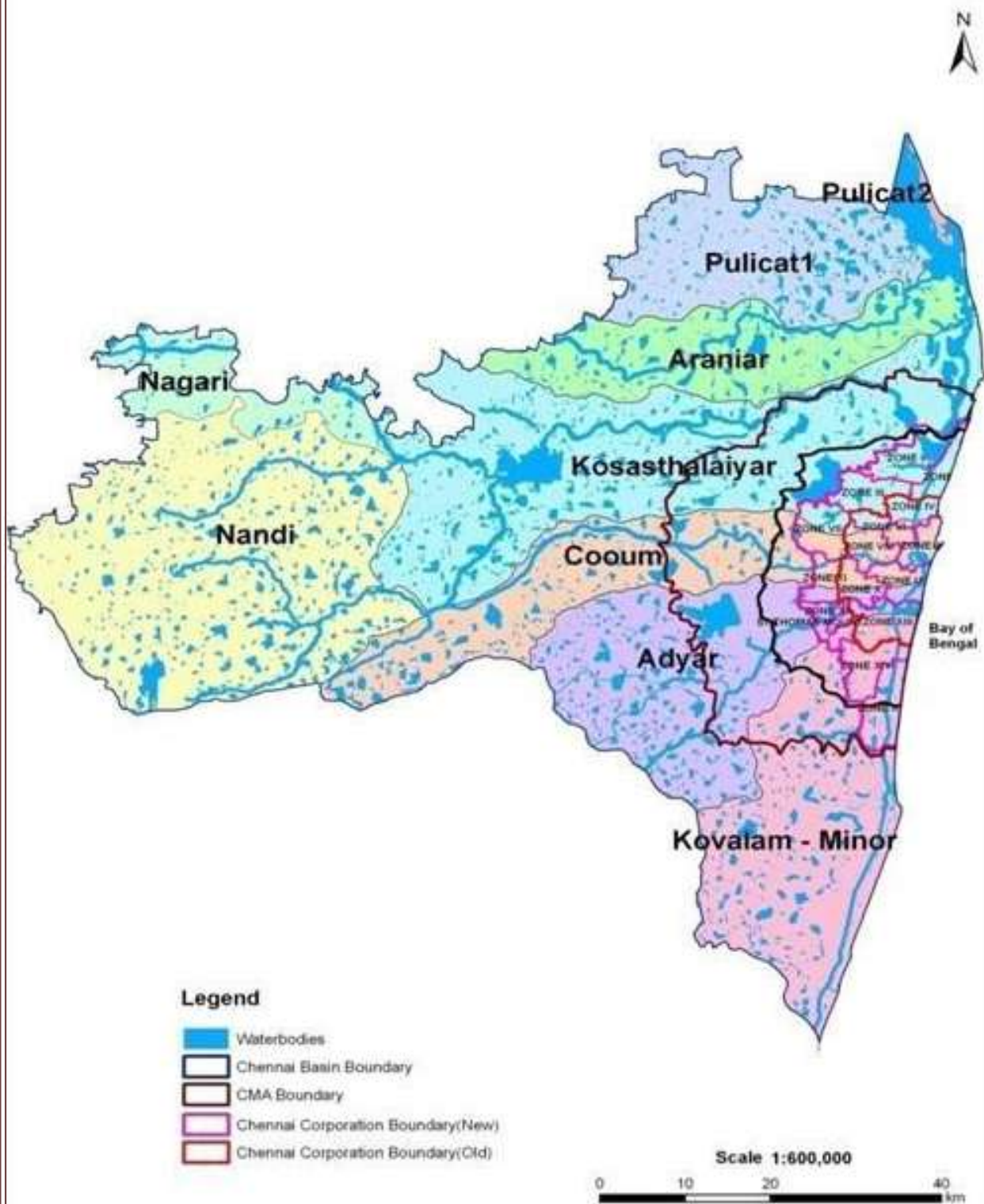
The Buckingham canal has been constructed more than 200 years ago, as a navigation channel. It originates close to Kakinada in Andhra Pradesh and runs along the east coast for a total length of 418 km. Its entry point into Chennai is near Athipattu village and the exit point is near Semmencheri village. While the three rivers run west to east, Buckingham canal runs north to south and connects all these three rivers at different points.

Besides the above three major river system, there are 31 minor canals running in the city linked with major drainage systems. While OtteriNullah, Kodungaiyur drain and Captain Cotton Canal drain into the Buckingham canal, Veerangalodai and Velacheri drain discharge into Pallikaranai marsh. Virugambakkam drain discharges into the Cooum River.

The waterways maintained by Public Works Department are detailed as follows.

Sl. No	List of Waterways	Length in Km
1	Adyar River	42.50
2	Buckingham Canal	47.90
3	Cooum River	65.00
4	OtteriNullah	8.70
5	Virugambakkam&Arumbakkam Canal	6.36
	Total	170.46

CHENNAI RIVER BASIN



2.7.3 Minor Drainage Network

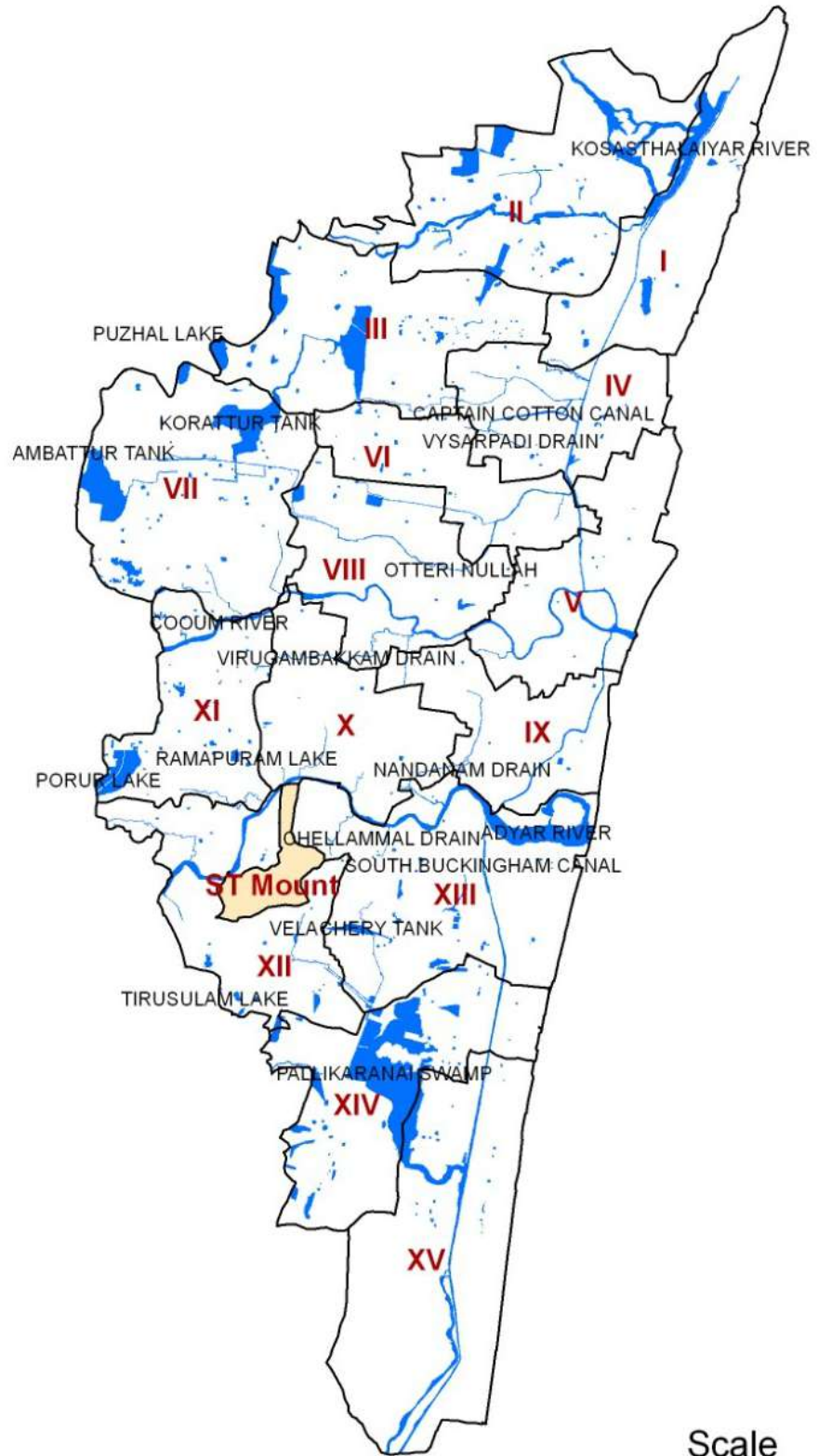
There are 31 minor natural drainages in the city connected with the macro drainages (16 in old city and 15 in the expanded areas) which are maintained by the Greater Chennai Corporation. In addition to this, a network of storm drains to the length of about 1,894 km discharges storm water into the sea through major / minor drains.

The Minor drainage or canals maintained by Greater Chennai Corporation with their respective zones are listed in the Table.

Minor Drainage system in Chennai city

SL No.	List of Water ways	Zone
1	Thamaraikulam Canal	I
2	Captain Cotton Canal	IV
3	Kodungaiyur Canal	IV
4	Link Canal	IV
5	Old Napalayan Canal	II
6	Thulasi Nagar Canal	II
7	MalaniPudurTNHB Canal	II
8	PeriyaEatchankuzhi Canal	II
9	Kadapakkam Lake Surplus Canal	II
10	Madhavaram – Manali Lake Canal	II
11	Vyasarpadi Canal	IV
12	Ekangipuram Canal	VI
13	Jawahar Canal	IV
14	T.V.S. Canal	VI
15	Nungambakkam Canal	IX
16	Nolambur Canal	VII & XI
17	AmbatturSidco Canal	VII
18	PadiKuppam Canal	VII
19	Trustpuram Canal	X
20	Mambalam Canal	IX & XIII
21	Nandanam Canal	IX
22	Chellammal College and Guindy Industrial Estate Canal	XIII
23	Reddykuppam Canal	X
24	M.G.R. Canal	X
25	Jafferkhanpet Canal	X
26	Rajbhavan Canal	XIII
27	Pallikaranai Canals	XIV
28	Nandambakkam Canal	XI & XII
29	Adambakkam Canal	XII
30	Large Lake Link Canal	XV
31	Secretariat Colony Canal	XV

ZONE BOUNDARIES WITH WATER BODIES



Legend

- Water Bodies
- Zone Boundary

Scale



3.0 INSTITUTIONAL FRAMEWORK AND ARRANGEMENTS

“Disaster risk governance at the national, regional and global levels is vital to the management of disaster risk reduction in all sectors and ensuring the coherence of national and local frameworks of laws, regulations and public policies that, by defining roles and responsibilities, guide, encourage and incentivize the public and private sectors to take action and address disaster risk”

- Sendai Framework for Disaster Risk Reduction 2015-2030

This chapter provides an overview of the institutional framework and arrangements for disaster management in Chennai. It addresses priority 2 of the Sendai Framework that calls for strengthening disaster risk governance to manage disaster risk.

3.1 Relief Committee

GCC has formed a Relief Committee with the following members,

S.No	Committee Members	Designation
1	Commissioner, Greater Chennai Corporation	Chairman
2	Collector of Chennai	Member
3	Executive Director, Metro Water Chennai	Member
4	Joint Commissioner of Police (Traffic), Chennai	Member
5	Chief Engineer, Highways and Rural works	Member
6	Chief Engineer, PWD (Chennai & Environ area)	Member

The Chief Engineer in-charge of MRTS and the Joint Director /Deputy Director of Fire Services may also be invited for the meetings whenever required.

The duties of this committee is to monitor the following thrust area for disaster mitigation.

1. To evict the encroachments on regular basis, to maintain the free flow of rainwater.
2. To identify the vulnerable roads, subways, level crossings within the Greater Chennai Corporation limit which are likely to get inundated during the heavy rain periods.
3. To identify road and areas which are prone to inundation/ traffic congestion during periods of heavy rainfall.
4. To identify the areas which are likely to cause damages due to non-free flow of drainage water during the heavy rain periods.

5. To see the major drainage channels and also waterways like Adayar river, Cooum and Buckingham Canal, Otteri Nullah etc., free from encroachments, blocks etc., due to MRTS and other works.
6. To identify new drainage systems and also interlinking the existing drainage systems for efficient discharge of rain water during monsoon period.

3.2 Control Room Arrangements

The Control Room in Greater Chennai Corporation is functioning at Ripon Building. The Control Room is functioning under overall supervision of the Joint /Deputy Commissioner (Works) with other staff functioning 24x7. For perfect co-ordination, the officers/staffs from the other line departments like TANGEDCO, CMWSSB, FISHERIES, PWD, POLICE will also be pooled at Control Room during monsoon/emergency time.

The intensity of rainfall will be collected on daily basis from the Metrological Department. The Control Room is to monitor the overall flood situation in the field and collect details of water stagnation, tree fall, status of subways, relief centres, food packets issued, pumps utilized for the removal of inundated water, evacuation operation, collection and distribution of relief materials etc. For every one hour, reports will be collected from the Zonal Office and will be submitted to the Commissioner. The issues related to flood mitigation pertaining to other departments will also be coordinated by the Control Room.



The Public Works Department is periodically contacted for the status of flood levels in reservoirs around Chennai like Chembarabakkam lake, Narayanapuram, Red hills, Puzhal eri, etc., In case of breakdown of telephone and other communication networks, wireless network of GCC will be largely

used for continuity. Whatsapp group is formed with all officials engaged in flood work to exchange the information which will be coordinated by the Control Room duty staff.

A dedicated Public Relation Officer/Assistant Public Relation Officer will be posted in the Control Room for media management. He will collect data and details of relief operations from the field for press release. Press release will be done periodically with due approval of the Commissioner.

The other Control Rooms functioning at Secretariat, State Emergency Operation Center and Commissionerate of Revenue Administration office will also be coordinated. The contact details of all three Control Rooms are given in page number 143 of this booklet.

3.3 State and District Administration

3.3.1 State Level Administration

The State Disaster Management Authority (SDMA) under the chairmanship of the Hon'ble Chief Minister is responsible for coordinating the response to disasters and reducing risks. All measures for mitigation, preparedness, response and recovery are undertaken under the guidance and supervision of the Authority. The SDMA approves the State Disaster Management Plan and District Disaster Management Plans in accordance with the guidelines laid down by the National Disaster Management Authority. The Greater Chennai Corporation's annual City Disaster Management Plan serves as the District Disaster Management Plan.

The SDMA is supported by State Executive Committee (SEC). Disaster specific cells are being created to analyse the risk profile of the state in depth and to provide specific disaster risk reduction strategies for consideration of the SDMA. The Commissioner of Revenue Administration is the State Relief Commissioner and undertakes all activities relating to disaster management and mitigation besides managing relief and rehabilitation activities for any disaster in the State.

The Revenue Administration and Disaster Management Department is responsible for policy making and issuance of Government Orders based on approvals accorded by the SDMA, State Executive Committee and the Commissioner of Revenue Administration.

The State Advisory Committee has been constituted under the Chairmanship of the Principal Secretary / Commissioner of Revenue Administration. The Secretary, Revenue Disaster Management and Mitigation department is the co-chair. The Advisory Committee comprises of experts in various fields such as remote sensing, communication networks, weather forecasting, among others, to advice on measures for disaster risk reduction. The State Advisory Committee ensures that the concerns of diverse sectors are taken into account while formulating strategies for risk reduction.

3.3.2 District Level Administration

The District Disaster Management Authority (DDMA) has been constituted in Chennai under the Chairmanship of Commissioner. The District Disaster Management Authority acts as the District planning coordinating and implementing body for disaster management and takes all measures in accordance with the guidelines laid down by the State Disaster Management Authority. The District Disaster Management Authority in Chennai is chaired by the Commissioner, GCC.

The Control Room (DEOC) at Greater Chennai Corporation acts as a communication centre in Chennai city for dissemination of information received from SEOC. During disaster period, the Control Room functions round the clock by drafting the services of the Line Departments in Chennai for quick dissemination of alerts and collects information on the search, rescue, relief and rehabilitation operations from various quarters and updates the same to Commissioner of Revenue Administration & State Relief Commissioner.

The preparedness arrangements by Greater Chennai Corporation and coordination efforts with other departments and agencies have been articulated later.

3.3.3 Incident Response System

The management of response in disasters requires the government, communities, civil society and other stakeholders to carry out a large number of tasks. The activities involved in response management would depend on the nature and type of disaster. The Government of Tamil Nadu is adopting Incident Response System (IRS) in the state to ensure the unification of efforts of all the stakeholders to ensure immediate response during disasters to protect people and their properties. The Incident Response System provides a systematic,

proactive approach guiding the concerned departments and agencies at all levels of government, the private sector, and non-governmental organizations, to work seamlessly in disaster situations. For effective, efficient and comprehensive management of disasters in the State of Tamil Nadu, IRS is critical. The aim is not only to minimize loss of life and property but also strengthen and standardize the disaster response mechanism in the State.

Incident Response System for Natural Disasters: The Chief Secretary to the Government of Tamil Nadu is the overall Responsible Officer and is assisted by the Revenue and Disaster Management Department at the secretariat level and by the Commissioner of Revenue Administration / State Relief Commissioner who is the Incident Commander of the Incident Response System at the State level. The Commissioner, Disaster Management is the deputy Incident Commander. During Disasters all Line Departments function under the overall guidance of the Incident Commander. The Commissioner, GCC is the Incident Commander in Chennai.

Incident Response System for Manmade Disasters (Breakdown of Public Order, Terrorist Attack and Mutiny): The Ministry of Home Affairs, Government of India has prescribed a Crisis Management Plan for manmade disasters dealing with the breakdown of public order, terrorist attacks, mutiny, and migration/exodus/infiltration. As per the Plan, the appropriate institutional mechanism involving the State Crisis Management Group and District Crisis Management Group will be put in place.

Incident Response System for Epidemics, Disease Outbreak and CBRN: The Chief Secretary to the Government of Tamil Nadu will be the Responsible Officer assisted by the respective Secretary Health and Family Welfare Department at the government level. The State Relief Commissioner / Commissioner of Revenue Administration will be the Incident Commander by the Director of Public Health at the State-level. The Commissioner, GCC will be the Incident Commander in Chennai.

3.4 Other Departments and Stakeholders

3.4.1 Fire & Rescue Services Department

Fire and Rescue Services Department of the Government of Tamil Nadu is entrusted with the task of firefighting and rescue operations in times of emergency. The Fire and Rescue Services Directorate plays a very vital role in the area of

firefighting and fire prevention. Apart from firefighting, this department also undertakes rescue activities and helps people, marooned in floods and caught in the debris of fallen buildings, road and rail accidents and other natural and man-made disasters. Fully automated firefighting futuristic equipment and robots will play a major role in the years to come.

3.4.2 Tamil Nadu Disaster Response Force (TNDRF)

Though the community always acts as a first responder during disasters that strike with limited warning time as well as during disasters which can be forecast at least 20-24 hours prior to the event, the role of specially trained disaster response forces will be extremely vital for quick and before time evacuation of the people likely to be affected as well as for efficient search and rescue in case of necessity. Realizing the importance and significance of Special Forces, the Government of Tamil Nadu has decided to raise an exclusive battalion as Tamil Nadu Disaster Response Force and has also provided Rs.15 crores for procurement of State of the art Search, Rescue and Evacuation equipment. In the years to come the personnel of TNDRF will be continuously trained to upgrade their skills on par with NDRF. In addition, 2500 Police personnel from different specialized forces who have been trained in Search, Rescue and Evacuation operations will continue to be trained to take advantage of their location in all Districts. The SDRF personnel after being equipped with skills on par with NDRF will also be engaged in training young recruits (to the Police, Fire Services and other specialized services) in Search, Rescue and Evacuation operations so that over a period of time all the coastal districts will have well-trained personnel numbering about 300 – 500 Police / Fire services / Home guards etc. The SDRF personnel will also be utilized to train the First Responders identified from among the community, especially in the vulnerable areas. The disaster response force will be equipped in a phased manner with modern technology like unmanned aerial vehicles, robots etc., which will be used in the following ways:

- High Antennas for Radio Communications Tethered Drone (HARC-TD)
- HARC-Tethered Drone for improved network and communications range extension for tactical radio communicators, first responders and similar users of mission-critical radio networks.
- UAVs with sensor options such as visual, thermal, LiDAR etc. will be procured

for use to map disaster areas, generate high-resolution and 3D mapping, identify hot spot areas and upload the data in real time to coordinate search, rescue and evacuation efforts during natural disasters as well as industrial disasters.

GCC will request the assistance of TNDRF in case a disaster strikes.

3.4.3 Volunteers and Training

Community participation at grass root level is enabled through enrolment of able-bodied volunteers, with skills of swimming and climbing, as first responders. GCC maintains a database of volunteers and NGOs to support relief efforts. GCC has also trained 200 community volunteers through the centrally sponsored AapdaMitra Scheme. Elected representatives will be sensitized to the needs of the community during disasters and their capacities will be strengthened through orientation and other training programmes.

3.4.4 Civil Defence

The Civil Defence being a community based voluntary organization in addition to rescue, relief and rehabilitation, plays a significant role in the field of public awareness and also community capacity building to face any disaster situation as is being done by the Civil Defence in many countries. The Government of Tamil Nadu has accorded administrative and financial sanction for the formation of Civil Defence Training Institute at Palani at an estimated cost of Rs.1.92 crores and Rs.89.00 lakhs in 2014 for creating Civil Defence units in Chennai, Mamallapuram, Tiruchirappalli, Madurai and Thirunelveli. With a view to assisting officials during times of natural disasters, the Tamil Nadu Government will establish a 1,000 member-strong Civil Defence Corps for units proposed in five districts, including Chennai. The Corps units will come up in Chennai with a strength of 500 persons.

The necessity for such corps arose as there is a need for large number of human resources in areas affected by natural calamities such as cyclones or floods and to carry out rescue operations swiftly to ensure the early return of normalcy. Some of the youth organizations namely, National Cadet Corps (NCC), National Service Scheme (NSS) and Nehru Yuva Kendra Sangathan (NYKS) have the inherent advantage of availability for immediate assistance at the ground level in the event of any disaster. These organizations are also proposed to be integrated in the overall Disaster Management framework with linkages with the Civil Defence set-up at the State Headquarters and Greater Chennai Corporation Headquarters.

3.4.5 Preparedness & Response

Community participation in preparedness will be ensured through enrolment of First Responders in areas identified as vulnerable to flooding and other hazards. The capacities of these first responders will be further enhanced through appropriate training tailored for advanced level of response in flood situation, as well as, to other types of hazards, local risks and accidents with the help of government & non-government capacity building institutions. Greater Chennai Corporation conducted trainings through AapdaMitra Scheme.

3.4.6 Relief

Various stakeholders involvement is needed during different stages of relief. Identification of beneficiaries has to be done as per the guidelines/ broader framework given by the State Government and communities, who are the most important stakeholder, will be involved in identifying right beneficiaries. A coordination mechanism with NGOs and other stakeholders at state level, as well as at GCC level will be put in place to avoid duplication of efforts in relief distribution and to bring in more efficiency in terms of most affected areas getting more attention and equity in relief distribution.

3.4.7 Rehabilitation - Build Back Better

Multiple stakeholder involvement will also be encouraged for undertaking mitigation measures with an aim to build back better under the corporate social responsibility requirement of the profit-making public and private sectors as well as by dovetailing the projects being executed by civil societies from different sources of funding. Efforts will also be made to involve the community and other stakeholders in project implementation and monitoring.

3.4.8 Coordination with Central Agencies and Armed Forces

The Chief Secretary convenes a meeting of all central and state agencies prior to Northeast Monsoon in order to ensure perfect coordination among different agencies and to ensure efficient search, rescue and evacuation operation whenever necessity arises. The State Relief Commissioner / Commissioner of Revenue Administration shares the details of vulnerable areas and the map with the Central Agencies to help them familiarise with the vulnerable areas so that they can respond swiftly and effectively. These coordination meetings are held annually and special meetings are convened based on need. GCC receives instructions from the State Government.

4.0 CYCLONES AND FLOODS

The Chennai city has come across various natural calamities in the last three decades. In the following paras some of major disasters are discussed in detailed. During heavy flood in 1976 resulted in submergence of TNHB Quarters in Kotturpuram bank of Adayar river coupled with high & storm tide in the sea.

In 1996 the city was flooded by Adayar, Cooum and Kosasthalaiyar rivers. The surplus water from Poondi reservoir has collapsed Karanodai Bridge at Redhills. Similarly surplus water from Chembambakkam Tank has flooded Adayar. In 1998, Thanikachalam Nagar, a residential colony in Madhavaram was flooded by Kodungaiyur canal.

During 2005, Chennai experienced an unprecedented maximum rain fall in a day. Cooum, Adayar, Otteri Nullah, B - Canal, Virugambakkam and Arumbakkam Canal flooded and people residing in the nearby areas were evacuated and many people became homeless. On 18th December 2005 in a school situated in MGR Nagar, K.K.Nagar where the relief material were distributed by the Government to the people affected by severe flood, 42 people died and 37 injured due to stampede.

In the same year the city was also exposed to a Cyclone named as Fanoos with a wind speed of 85 km/hr east of Chennai on 9th December.

In 2008 again there was Nisha cyclone with wind speed of 83 – 102 km/hr hits the city on 26th November by which the city was badly affected. The following are some of the cyclones that hit Chennai in different periods, Cyclone Jal in 2010 with the wind speed of 100 – 110 km/hr, Cyclone Thane in 2011 with the wind speed of 140 -165 km/hr, Cyclone Nilam in 2012 with the wind speed of 85 -100 km/hr.

The occurrence of flood is often in Chennai city. The measures have to be taken periodically and the development of prevention method is essential to minimise the damage. The preparedness strategy in the Greater Chennai Corporation is necessary for securing the lives of the people. In the following pages a subject wise detailed preparedness for disaster management will be discussed. Therefore the measure are considered as a bench mark to derive the well secure mitigation plan for the future to strive to keep the people away from flood.

4.1 Cyclone

A cyclone (or more properly called Tropical Cyclones) is a system of wind with very low pressure at the centre and surrounded by high pressure outward that occurs over the ocean near the tropics. Cyclones are one of the natural hazards that affect East coast of India almost every year causing large loss of lives and properties. Tropical Cyclone (TC), also known as 'Cyclone', is the term used globally to cover tropical weather systems in which winds equal or exceed the minimum of 34 knot (62 kmph). Hazards associated with tropical cyclones are long duration rotatory high velocity winds, very heavy rain and storm tide (the combined effect of storm-surge and astronomical tide).

Although the North Indian Ocean (the Bay of Bengal and Arabian Sea) generates only about 7% of the world's cyclones (5 to 6 TC's per year) their impact is comparatively high and devastating, especially when they strike the coasts bordering the North Bay of Bengal. Further the Bay of Bengal (BOB) produces more frequent and fiercer cyclones than the Arabian Sea (AS). For better understanding of severity of wind speed, the cyclones are broadly classified as "Cyclonic Disturbances" with the maximum wind speed of 17 knots or more, "Cyclone" measuring wind speed of 34 knots or more and "Severe Cyclones" exceeding wind speed of 48 knots. Following table illustrates the annual frequencies of cyclonic disturbances, cyclone, severe cyclone over BOB and AS for the period 1900 to 2015.

Frequency of Disturbances

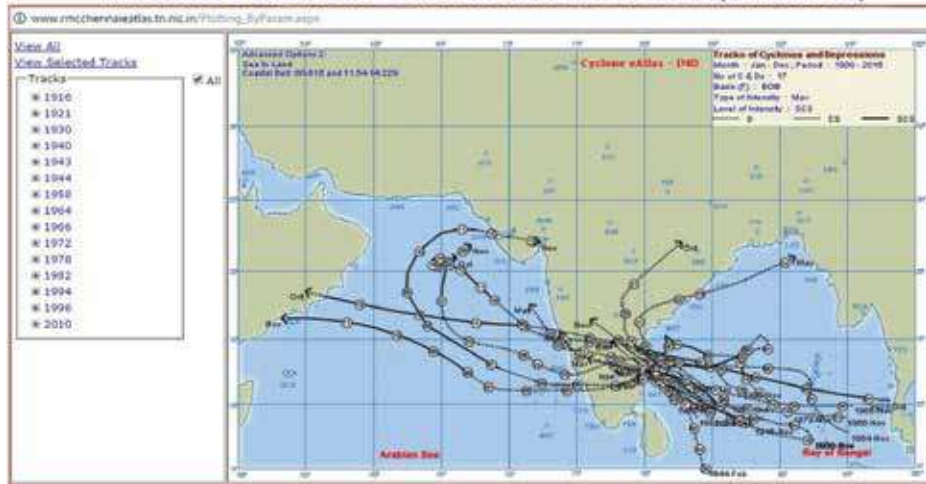
Y E A R	CYCLONIC DISTURBANCES				CYCLONES				SEVERE CYCLONES			
	BOB	AS	LAND	TOTAL	BOB	AS	LAND	TOTAL	BOB	AS	LAND	TOTAL
1900 TO 2015	1110	208	122	1440	460	116	13	589	210	68	3	281



The major Tropical cyclones which struck the coastal districts in India during the period 1891-2002

WEST COAST	MAJOR TROPICAL CYCLONES	EAST COAST	MAJOR TROPICAL CYCLONES
Kerala	3	West Bengal (69)	69
Karnataka	2	Odisha (98)	98
Maharashtra	13	Andhra Pradesh (79)	79
Goa	2	Tamil Nadu (54)	54
Gujarat	28	Pondicherry (8)	8
		Chennai	18
		Cuddalore	7
		Southarcot	5
		Tanjavur	12
		Pudukkottal	5
		Ramnathpuram	3
		Tirunelveli	2
		Kanyakumari	2

SEVERE CYCLONIC STORM CROSSED BETWEEN NELLORE AND PONDICHERY (LATITUDE 14°22'10"N – 11°54'34"N) AFFECTING CHENNAI CITY OVER THE YEAR 1900 TO 2015 (FIFTEEN SCS)



SOURCE : IMD

CYCLONIC STORM CROSSED BETWEEN NELLORE AND PONDICHERY (LATITUDE 14°22'10"N – 11°54'34"N) AFFECTING CHENNAI CITY OVER THE YEAR 1900 TO 2015.(SEVENTEEN CS)



SOURCE : IMD

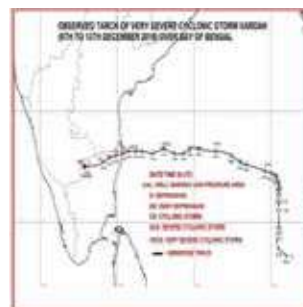
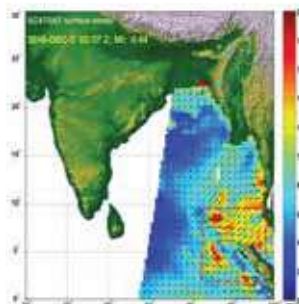
4.1.1 Nada Cyclonic Storm 2005

Under the influence of a trough, low pressure area formed in extreme southeast Bay of Bengal. It slowly consolidated enough to be classified as a depression BOB 2005 on 29 November. This was followed by the Joint Typhoon Warning Center (JTWC) issuing a Tropical Cyclone Formation Alert (TCFA) for the system while it was rapidly concentrating to a deep depression. Remaining as a deep depression for a short time, the storm quickly intensified into a cyclonic storm and was named Nada by the IMD. Shortly thereafter, the storm reached its peak intensity with winds exceeding 75 km/h and a minimum central pressure of 1,000 mbar. Over the following days, the storm encountered high wind shear, which together with land interaction caused it to rapidly weaken and cross the coast of Tamil Nadu near Karaikal as a depression. The system was last noted as a well marked low pressure area over southern Karnataka.

4.1.2 Vardah Cyclone 2016

Low pressure formed over South East Bay of Bengal on 6th December 2016 intensified in to Depression, Deep Depression, Cyclonic Storm and further intensified in to very severe cyclonic storm on 10 th December 2016 and crossed north Tamil Nadu near Chennai as a severe cyclonic storm with a maximum sustained wind speed of 100-110 kmph gusting to 140 kmph during 1500 -1700 hrs IST of 12 th December.

Cyclonic storm “Vardah” made landfall in Chennai city on 12th December, 2016 and barreled inland packing wind speed more than 140 km/hour which created a sea of devastation and an average rainfall was recorded as 119.10 mm. This cyclonic storm was the most severe in two decades which uprooted lakhs of trees, devastated 1000s of lamp posts, spoiled several electrical installations such as transformers, brought several kutcha rooftops to the ground, disabled communication lines and brought the transport system to a grinding halt.



4.1.2.1 Damages Caused

Heavy loss to Chennai green cover as 17,157 avenue trees were uprooted by the cyclone, by which 558 bus route roads and 24761 interior roads were blocked. Gantry boards, Signages were also ripped away. 65 bus route roads damaged to a length of 14.5 km and 3500 interior route roads to a length of 400 km were damaged. 81 electricity installations were covered with fallen trees which delayed the restoration of power supply. 6133 street lamp poles were damaged along with 2226 street lamp fittings. 30 storm water drains to a length of 4.35 km, 2030 footpaths to a length of 21.3 km and 531 bus shelters were damaged.



4.1.2.2 Strategies and Restoration

The G.C.C men and machinery swung into action immediately and a massive war footing exercise to clear the roads by removal of uprooted trees and debris was undertaken. 4197 men from other districts along with G.C.C workers totaling to 19,411 were rushed in for the restoration work. 565 saws were deployed for tree cutting. 449 JCB's and 819 lorries were put in service on this war footing exercise to clear the fallen trees. The total damages have been estimated at Rs.321.94 Crores. By working round the clock, all the bus route roads and interior route roads were cleared for traffic which were blocked by fallen trees. This work continued till 24th December 2016.

The damaged lamp posts and light fittings were restored jointly by GCC and TANGEDCO. Tamilnadu Fire and Rescue services deployed their field personnel and were very effective in these operations. 176 relief centres were kept ready, out of which 27 was opened immediately in which 9,696 people were evacuated from coastal areas in Zone-I (Kathivakkam, Periyakuppam, Tiruvottiyur), Zone –II (Edayanchavadi, Manali New town), Zone-XIII (Kuppam Beach road, Srinivasapuram) and Zone-XV (Neelankarai and Okkiam thoraipakkam). More than 6 lacks food packets were given to affected persons and 610 health camps were conducted.

The removed garden debris have been stored in 78 temporary storage locations across the city to speed up the restoration work. The severity of damages due to cyclone were minimized by meticulous planning and coordination with various Government departments and fore warning the people throughout 9th and 10th December, 2016. This effort had given a lot of insight for future disaster management. Maximum precautionary measures were taken along with the co-ordination of TANGEDCO.

The G.C.C. mobilized men and materials rapidly and left no stone unturned for the restoration of normalcy in the City of Chennai. The Corporation also availed the services of Indian Meteorological Department, National Disaster Response Force(NDRF), State Disaster Response Force(SDRF), Fire and Rescue Services Department and Health and Family Welfare Department strategically. Medical teams with all necessary medical equipments were pressed into service.

4.1.3 Impacts of Cyclone

- There are three main features of cyclone (high wind, rainfall and storm surge) which can cause widespread damage.
- A major factor in the growing losses caused by meteorological hazards is

the concentration of population and economic activity in coastal plains and low-lying areas that are subject to storm surges and land-borne flooding.

- High wind can damage structures like houses and other infrastructure (bridges, dams, embankments etc.); uproot electricity supply and telecommunication lines etc.
- Extremely heavy rain can cause flooding. Floods wash away human beings and animals and make water unfit for drinking. There can be outbreak of diseases like cholera, jaundice or viral fever due to intake of impure water. Water gets contaminated because of floating carcasses and corpses and mixing of sewage. Movement of stored food supplies also gets severely affected due to floods as rail tracks and roads are breached. The floodwaters turn the fields salty.
- Storm surge inundates low-lying coastal areas resulting in life loss and destruction of property. Besides it destroys vegetation and reduces soil fertility. It also affects environment as coral reefs can often suffer damage.

4.1.4 Cyclone mitigation strategies

- Future critical facilities should not be located in areas of accelerated winds.
- The most significant aspect of structural damage to buildings by high velocity wind results from roof damage. The roofs of existing buildings should be inspected and if necessary retrofitted to adequate standards.
- The roofs of existing critical facilities should be retrofitted to a higher standard to ensure wind resistance.
- Building openings such as windows and doors also suffer damage from high velocity winds. These openings if not constructed of wood or metal should be protected with shutters or temporary covers of adequate design.

4.1.5 Common Cyclone preparedness measures

- Communication plans with easily understandable terminology and methods.
- Proper maintenance and training of cyclone disaster services, including mass human resources such as community based disaster response teams.
- Development and exercise of cyclone warning methods combined with cyclone shelters and evacuation plans.
- Stockpiling and inventory, management of essential supplies and equipments.

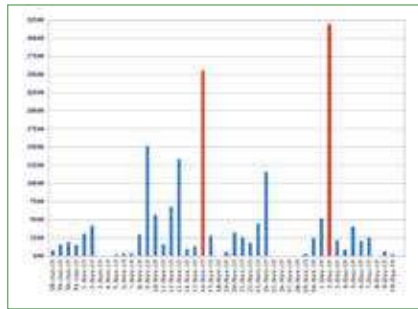
The detailed disaster management plan which has been detailed in this book for flood disaster will hold good for cyclone also.

4.2 Flood

The North East Monsoon sets on 28th October 2015, initially has not shown any disaster kind of down pouring, whereas from the second week of November heavy rain occurred which recorded as the wettest month of the last 100 years for receiving 1113.80 mm of rainfall.

Date	22.10.1969	27.10.2005	9.11.2015	13.1.2015	16.1.2015	02.12.2015	12.12.2016
Rainfall in mm	279.7	272	166.8	147	256	319.6	119.10

This heavy rainfall coupled with a high speed wind resulted in fall of more than 911 trees in the City. Way back in 1918 Chennai has received 1088.40 mm in a month which remains maximum till date. The maximum rainfall recorded as 319.60mm on 02.12.2015 is the highest record on a single day. The day wise details of rainfall is depicted in the following table

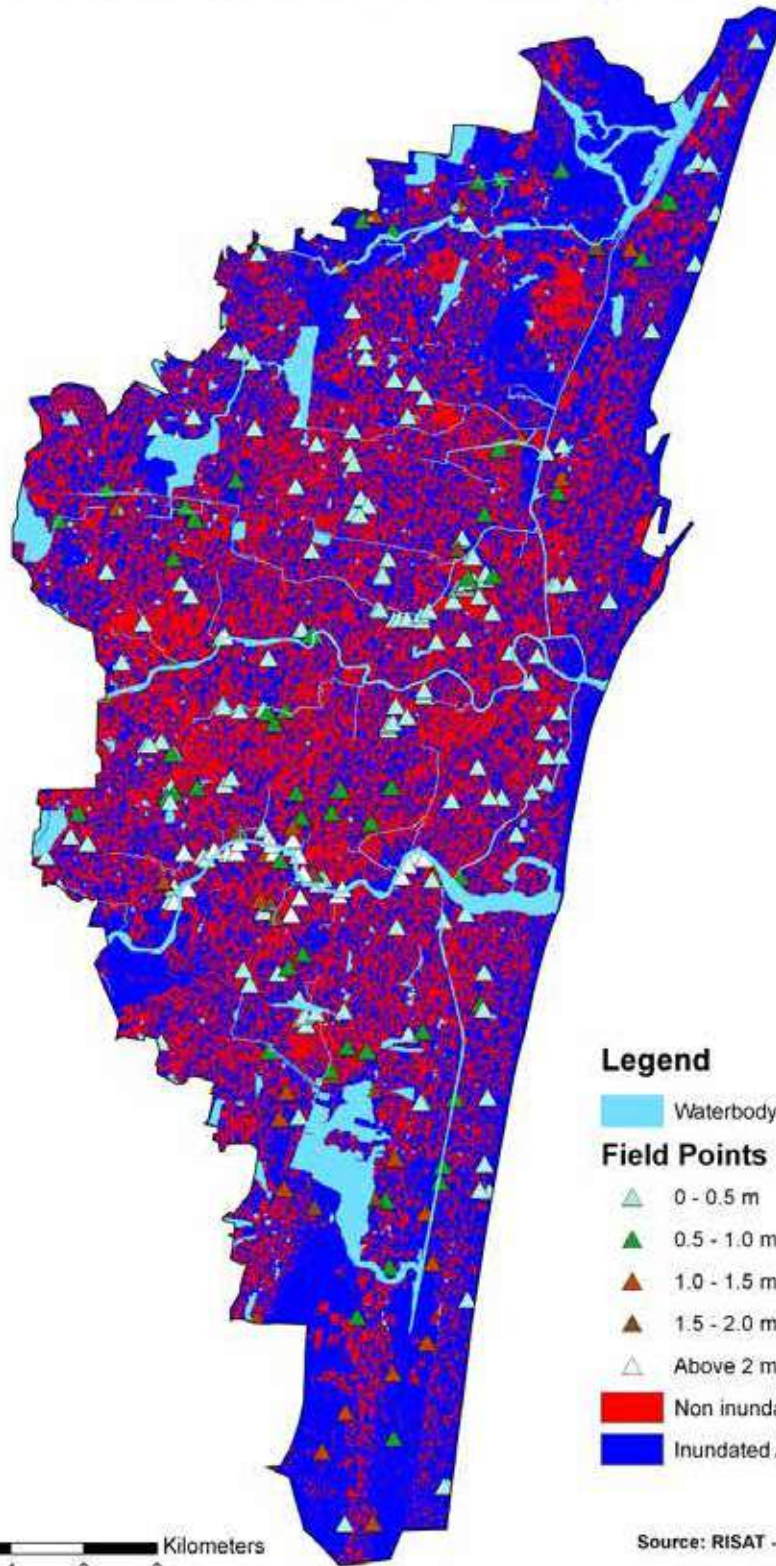


In Kanchipuram District out of 912 tanks 908 tanks were over flowing due to which excess water fed into Chembarambakkam lake through 170 drains causing flood in Adyar, Coovam rivers and link canals. Similarly in Kovalam basin 65 tanks were over flowing causing inundation in Sholinganallur and Perungudi areas. In Tiruvallur District surplus water released from Puzhal – Redhills, Poondi reservoir causing flood in Kosasthalaiar basin.

Some of the most affected areas are Mudichur, West Tambaram, Manapakkam, Saidapet, Jafferkhanpet, Kotturpuram etc. Many inundated areas were with more than 2 m height of water. The carrying capacity in Coovum and Buckingham canal exceeded beyond its designed capacity. Canals including 31 minor canals in Chennai city has flooded the near by areas. As a result of about 859 places in Chennai City were inundated due to heavy rainfall and Greater Chennai Corporation jointly with Other Departments cleared water stagnation and 911 fallen trees.

The satellite pictures showing nature and intensity of inundation during flood 2015 taken on 3rd and 7th December is given in the following pages

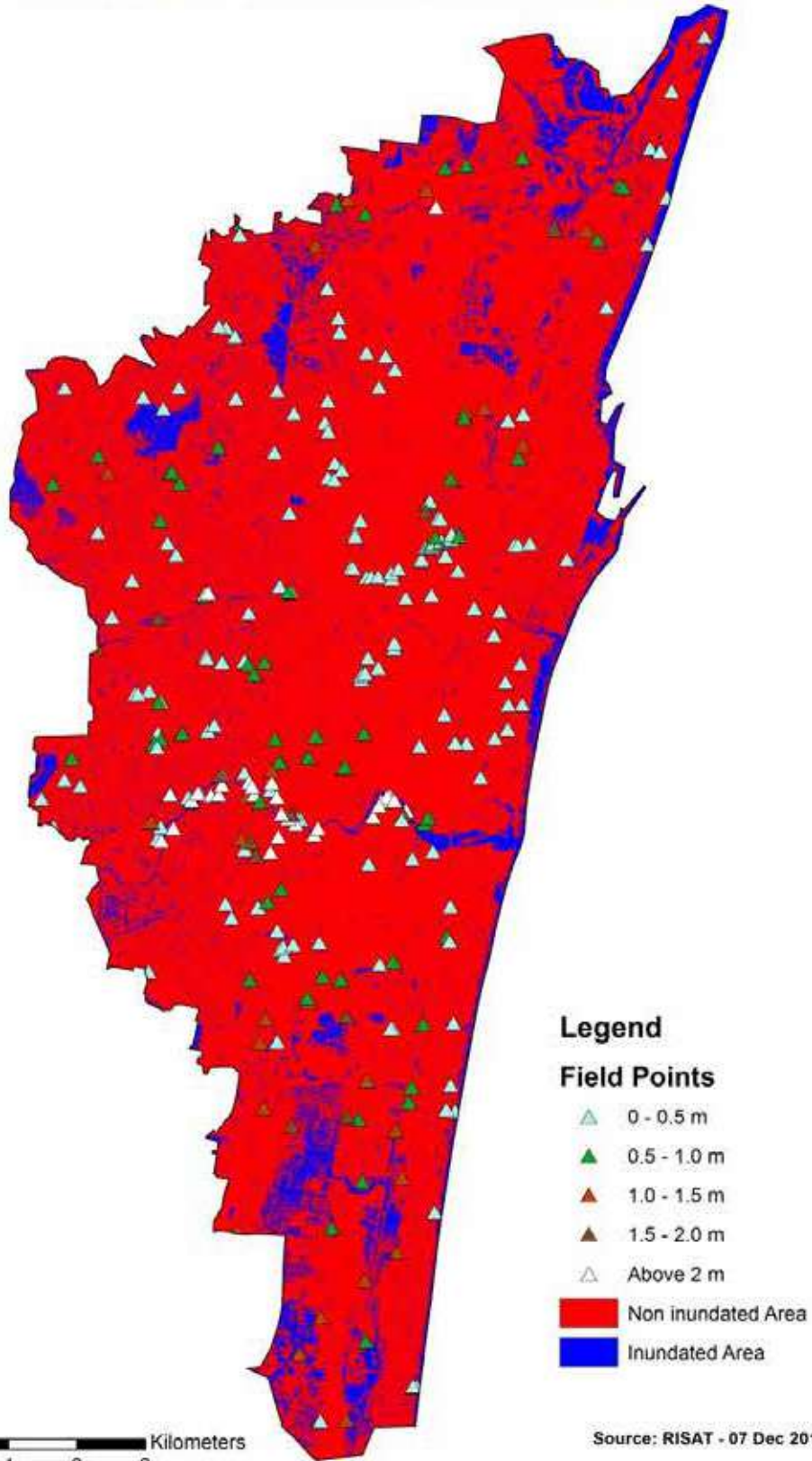
Inundation on 3 Dec 2015



0 1 2 4 6 8 Kilometers

Source: RISAT - 03 Dec 2015

Inundation on 7 Dec 2015



Chronic Inundation Locations During Monsoon - 2015

Sl. No	Zone	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet	Total
1	I	1	7	0	6	14
2	II	0	0	0	3	3
3	III	2	6	1	1	10
4	IV	0	7	0	7	14
5	V	0	1	0	12	13
6	VI	0	0	0	36	36
7	VII	0	0	0	6	6
8	VIII	1	1	0	7	9
9	IX	5	20	0	40	65
10	X	0	9	0	0	9
11	XI	4	13	0	9	26
12	XII	0	0	0	8	8
13	XIII	24	17	0	26	67
14	XIV	0	0	0	16	16
15	XV	0	3	0	7	10
TOTAL		37	84	1	184	306

Depth of Inundation During Monsoon - 2015							
S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
1	1	5	TH Road jn.of MRF Road				Yes
2	1	6	Kalaignar nagar	Yes			
3	1	1	SVM Nagar I main road				Yes
4	1	1	SVM Nagar II main road				Yes
5	1	1	Kamaraj salai		Yes		
6	1	4	AD Colony, Ernaavoor		Yes		
7	1	7	Kargil nagar, Rajaji nagar		Yes		
8	1	1	SVM Nagar, Ulaganathapuram		Yes		
9	1	10	Nandhi odai , Sadayankuppam battai		Yes		
10	1	12	Srinivasapuram, B.K.N Colony				Yes
11	1	4	Kathivakkam high road				Yes
12	1	5	T.H. Road (MRF road junction)		Yes		
13	1	5	T.H. Road near Liftgate				Yes
14	1	6	Manali Express road, (Mulalai nagar, Jothi nagar, TKS Nagar)		Yes		
15	2	15	Manali New Town 60 Feet Road				Yes (Only during flood)
16	2	16	Rajiv Gandhi Nagar from TPP Salai to Andarkuppam Main Road				Yes (Only during flood)
17	2	16	From Kanniammanpet pond to Kadappakkam Lake				Yes (Only during flood)
18	3	22	Mahalakshmi Nagar		Yes		
19	3	23	Punitha Anthoniyar Street		Yes		
20	3	23	Othai vadai Street		Yes		
21	3	31	Ambedhkar Nagar		Yes		
22	3	32	Sarathy Nagar				Yes
23	3	22	KS Nagar (Thirumalai Nagar)			Yes	
24	3	25	Collector Nagar	Yes			
25	3	25	Aringhar Anna Nagar,	Yes			
26	3	24	Ambattur Redhills road (Highway)		Yes		
27	3	25	GNT Road (Near Roundana)		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
28	4	41	Carnesh Nagar				Yes
29	4	45	Sundram Power Lane				Yes
30	4	45	B.V Colony 19 and 20th Street				Yes
31	4	45	Annai Sathya Nagar				Yes
32	4	45	Ganesapuram Main Road				Yes
33	4	47	KH Road		Yes		
34	4	34	Construction of RCC Open Box type Retaining Wall and Bed including chain link fencing to Kodungaiyur canal North wing from Ch.0.0 to Ch.850m		Yes		
35	4	34	Construction of RCC Open Box type Retaining Wall and Bed including chain link fencing to Kodungaiyur canal North wing from Ch.850 to Ch.1150m		Yes		
36	4	34	Construction of RCC Open Box type Retaining Wall and Bed including chain link fencing to Kodungaiyur canal North wing from Ch.1675 to Ch.2191m		Yes		
37	4	40	Dismantling and Reconstruction of RCC Box type storm water drain of size 1200x1200mm along Kamarajar salai from Elaya street to AE koil st		Yes		
38	4	39	Dismantling and Reconstruction of RCC Box type storm water drain of size 1200x1200mm along T.H Road from North Terminal road to AE koil st				Yes
39	4	41	Providing Re-sectioning concrete lining and laying service road in link canal from Ch.2500 to 2940 in Captain Cotton Canal		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
40	4	41	Providing Re-sectioning concrete lining and laying service road in link canal from Ch.2940 to 3360 in Captain Cotton Canal		Yes		
41	4	46	Sathya Moorthy Nagar 24th Block				Yes
42	5	54	Walltax Road				Yes
43	5	61	Ghandhi Irwan Bridge Road				Yes
44	5	58	EVK Sampath Salai,				Yes
45	5	61	Egmore High Road,				Yes
46	5	62	Arunachalam Road,				Yes
47	5	63	Chella pillayar Koil Street,				Yes
48	5	63	G.P. Road,				Yes
49	5	53	Vijayaragavalu Roundana,		Yes		
50	5	58	Sydnam's Road,				Yes
51	5	53	Walltax Road				Yes
52	5	62	Singanna Chetty Street,				Yes
53	5	54	Walltax Road				Yes
54	5	59	VOC Salai,				Yes
55	6	64	Poombugar Nagar 1st Main Road				Yes
56	6	64	Poombugar Nagar 2nd Main Road				Yes
57	6	64	Dhanammal Nagar				Yes
58	6	64	Samuthirya Colony 1st Street				Yes
59	6	64	Anjugam Nagar 4th Street				Yes
60	6	64	Poombugar Nagar 11th Cross Street				Yes
61	6	64	Gandhi Street				Yes
62	6	64	MN Nagar				Yes
63	6	65	Hussain Colony 4th Street				Yes
64	6	65	Teachers Colony				Yes
65	6	66	Gandhimathi Street				Yes
66	6	66	Jawahar Nagar				Yes
67	6	67	Rangasiyee Street				Yes
68	6	68	Andiyappan Street				Yes
69	6	66	Kamaraj Street				Yes

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
70	6	68	Pallavan Street				Yes
71	6	71	Konnur High Road				Yes
72	6	72	Decaster Road				Yes
73	6	72	Doss Nagar Pallam				Yes
74	6	73	Ammaiyammal Street				Yes
75	6	74	Sec Colony 1st to 9th Street				Yes
76	6	75	Vallavan Street				Yes
77	6	77	Demellous Road (Near Haj Committee)				Yes
78	6	78	V.V.Koil Street				Yes
79	6	68	Maduraiswamy Madam				Yes
80	6	70	Bharathi Main Road				Yes
81	6	76	Straganas Road				Yes
82	6	76	Angalamman Koil Street				Yes
83	6	72	Dr. Ambedkar College Road				Yes
84	6	66	Shanthi Street				Yes
85	6	66	Ragavan Street				Yes
86	6	68	Mohamadin Salai				Yes
87	6	73	Lal Singh Street				Yes
88	6	73	Mannarswamy Street				Yes
89	6	67	Gopal Reddy Colony				Yes
90	6	73	New Ferrance Road				Yes
91	7	82	Gnanamoorthy Nagar & EB Colony				Yes
92	7	83	NAS Garden & TVS Nagar				Yes
93	7	86	Cth Road near Petrol Bunk				Yes
94	7	86	Annai Sathya Nagar				Yes
95	7	90	Thirumagalalam road				Yes
96	7	93	Vandiamman Koil st				Yes
97	8	94	Annai Sathya Nagar from Wheels India Culvert to Padi Bridge Culvert	Yes			
98	8	94	Villivakkam Sidco Nagar 2nd main road I main road to Burial Ground Compound Wall		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
99	8	95	Anna Nagar 18th main road (South) Ch.500m (Reach I) from 100 feet road to Ch.500m				Yes
100	8	95	Anna Nagar 18th main road (South) from Ch.500m (Reach 2) to Otteri Nullah canal				Yes
101	8	95	Anna Nagar 18th main road (North) Ch.425m from Vasantham Colony to 2nd street (Reach II)				Yes
102	8	95	Anna Nagar 18th main road (North) from 100' road to Ch.425m (Reach I)				Yes
103	8	95	Kumarasamy Nagar ,Agathiyar canal				Yes
104	8	101	2nd Avenue, Anna Nagar (Roundana)				Yes
105	8	103	Kellys Road				Yes
106	9	109	Vanniyar 2nd Street				Yes
107	9	109	Gill Nagar 1nd street				Yes
108	9	110	School Road				Yes
109	9	110	Kamarajapuram Main Road				Yes
110	9	111	Maakkis Garden	Yes			
111	9	111	Thideer Nagar	Yes			
112	9	111	Conron Smith Road				Yes
113	9	113	Habibullah Road				Yes
114	9	113	G.N.Chetty Road				Yes
115	9	113	North usman street				Yes
116	9	113	Kodambakkam High road				Yes
117	9	114	C.N.K. Road				Yes
118	9	114	Sydoji Street				Yes
119	9	114	John Mohammad Street				Yes
120	9	114	Lock Nagar				Yes
121	9	115	Dr. Besant Road				Yes
122	9	116	Dr. Besant Road				Yes
123	9	117	North Usman Road		Yes		
124	9	117	G.N.C.Road	Yes			

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
125	9	117	South boug road		Yes		
126	9	117	Thirumalai pillai Street				Yes
127	9	113	Sarathapuram Street		Yes		
128	9	118	Kasthuri Estate 1st street				Yes
129	9	118	Kasthuri Estate 2nd street				Yes
130	9	119	Avvai Shanmugam Salai		Yes		
131	9	119	Lakshmpuram 2nd Street				Yes
132	9	119	Avvai Shanmugam Salai 1st Lane	Yes			
133	9	119	Royapettah High Road				Yes
134	9	119	P.S.Siva Swamy Street		Yes		
135	9	120	Dr. Natesan Road				Yes
136	9	121	Dr. Radha Krishnan Salai(jn of Thiru.Vi.Ka.High Road)				Yes
137	9	121	Dr. Radha Krishnan Salai (jn of Dr.Natesan Road)				Yes
138	9	121	Dr. Radha Krishnan Salai (infortn of Reliance Building)				Yes
139	9	122	K.B.Dasan Road		Yes		
140	9	122	Cresent Road		Yes		
141	9	122	Seethammal colony 3rd Street,		Yes		
142	9	122	Seethammal colony 4th street,		Yes		
143	9	122	Tankbund Road	Yes			
144	9	122	Nandhanam extension 1st Street		Yes		
145	9	122	Nandhanam extension 2nd Street		Yes		
146	9	122	Nandhanam extension 3rd Street		Yes		
147	9	122	Nandhanam extension 4th Street		Yes		
148	9	122	Nandhanam extension 5th street		Yes		
149	9	122	Nandhanam extension 6th Street		Yes		
150	9	122	Nandhanam extension 7th Street		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
151	9	122	Nandhanam extension 8th Street		Yes		
152	9	122	Nandhanam extension 9th Street		Yes		
153	9	122	Nandhanam extension 10th Street		Yes		
154	9	122	Seethammal 1st Main Road		Yes		
155	9	123	R.A.Puram 1st main road				Yes
156	9	123	Eldams Road				Yes
157	9	123	R.A.Puram 3rd cross street				Yes
158	9	124	Kutcherry Road				Yes
159	9	125	Karaneswarar Pagoda Street				Yes
160	9	126	Santhome High Road				Yes
161	9	111	Whites Road				Yes
162	9	112	Railway border road				Yes
163	9	112	Sowrastra nagar 5th street				Yes
164	9	112	Trustpuram 1st cross street				Yes
165	9	112	Bharathishwarer colony 3rd street				Yes
166	9	112	Sivan koil street				Yes
167	9	118	Mayor Sundra (rao) road				Yes
168	9	121	Thiru-Vi-Ka 3rd street				Yes
169	9	113	Improvements of storm water drain at North Usman Road				Yes
170	9	113	Improvements of storm water drain and construction of 3 road crossing culverts Habibullah Road				Yes
171	10	127	Kaliamman Koil Street(from CMWSSB STP to Sai nagar annex)		Yes		
172	10	131	Rajamannar Salai		Yes		
173	10	134	Rangarajapuram		Yes		
174	10	128	Vembuliamman Koil street		Yes		
175	10	130	100 feet Road (junction of periyar pathai)		Yes		
176	10	136	North Usman Road		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
177	10	127	100 feet road (junction of Kalamman Koil Street)		Yes		
178	10	127	Kalamman Koil Street (infront of police station)		Yes		
179	10	111 & 127	Construction of Storm water drain of size 900x900mm RCC Box type drain along Kalamman koil street at Koy- ambedu from Metro Water Office in Dn.111 to 100 ft road in Dn.127		Yes		
180	11	144	MMDA Colony 4th , 5th & 6th block				Yes
181	11	145	Pallavan Nagar				Yes
182	11	143	Gajalakshmi nagar	Yes			
183	11	143	VGN nagar phase III		Yes		
184	11	143	Sakthi nagar				yes
185	11	143	Vembuli amman koil street				Yes
186	11	146	Metro nagar				Yes
187	11	147	Krishna nagar		Yes		
188	11	147	Alapakkam main road		Yes		
189	11	147	Pallavan nagar				Yes
190	11	148	Anbu nagar		Yes		
191	11	148	Balavinayagar street		Yes		
192	11	148	CDN nagar				Yes
193	11	149	Radha avenue		Yes		
194	11	149	Sri Lakshmi nagar		Yes		
195	11	150	Mullai street				Yes
196	11	150	Arcot road		Yes		
197	11	151	Officers colony		Yes		
198	11	151	Annai sathya nagar		Yes		
199	11	153	Ganesh avenue 1st to 10th street		Yes		
200	11	155	Amman nagar	Yes			
201	11	155	Royala nagar	Yes			
202	11	155	Bakthi vedhandha avenue	Yes			
203	11	154	Bharathi salai		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
204	11	148	Construction of storm water drain of size 1200x1200mm along IAS Qtrs road and Pachaiamman koil street from Dead End to Virugambakkam Canal				Yes
205	11	152	Sairam avenue		Yes		
206	12	156	Bhell Nagar				Yes
207	12	157	Kaviya Garden, CRR Puram Phase III, Purachi Thalivi Nagar, Bhell Nagar, Dharmarajapuram, Sathiya Nagar, Astalakshmi Avenue and Sedhu Lakshmi Avenue, River view colony				Yes
208	12	165	Bharathidasan Nagar,				Yes
209	12	167	Nanganallur 44th street				Yes
210	12	158	Construction of storm water drain along Ganapathi Colony from Thulasingapuram to Adayar river of size 1200x1200mm				Yes
211	12	165	Bhuvanewari Nagar,				Yes
212	12	165	Income Tax colony Area Back flow of sewage water				Yes
213	12	162	Thillai Ganga Nagar 25th Street, 27th Street, 28th Street, Thillai Ganga Nagar 2nd Main Road, and 4th Main Road				Yes
214	13	173	Mayflower garden		Yes		
215	13	173	R.A Puram IV cross street		Yes		
216	13	173	Valleswaranhattam		Yes		
217	13	173	Srinivasa avenue		Yes		
218	13	174	Mosque street				Yes
219	13	179	Gandhi road	Yes			
220	13	179	Vallalar street - Annai Indra nagar	Yes			
221	13	179	Sivasakthi street - Annai Indra nagar	Yes			

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
222	13	179	Kamatchiamman street - Annai Indra nagar	Yes			
223	13	179	Sastri street (Part)	Yes			
224	13	179	Udayam nagar & extn	Yes			
225	13	177	Astalakshmi nagar II, III, IV & V streets				Yes
226	13	173	MRC Nagar		Yes		
227	13	173	Vasantha avenue		Yes		
228	13	173	Kasthuri avenue		Yes		
229	13	175	L.B road				Yes
230	13	175	Kasthuribai nagar				Yes
231	13	175	Indra nagar				Yes
232	13	175	Anna avenue				Yes
233	13	176	Sastri nagar II, IX & XV cross street		Yes		
234	13	178	A.G.S Colony	Yes			
235	13	179	V.G.P Selva nagar Extn I to V streets	Yes			
236	13	179	V.G.P Selva nagar I cross street & I main road	Yes			
237	13	179	Bhuvaneshwari nagar I & III cross street & III main road	Yes			
238	13	179	Veenus colony II street	Yes			
239	13	181	Dr.Radhakrishnan nagar				Yes
240	13	181	Valmigi street				Yes
241	13	180	C.S.I.R road				Yes
242	13	174	Nehru nagar - Veerapandiya Kattabomman street		Yes		
243	13	174	Nehru nagar - Periyar street		Yes		
244	13	174	Nehru nagar - Anbil Dharmalingam street		Yes		
245	13	174	Velachery main road		Yes		
246	13	182	Journalist colony		Yes		
247	13	171	Construction of SWD of size 1500x1500mm along and across Sardar Patel road (Opp to Rajbhavan)		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
248	13	177	Construction of RCC Box type storm water drain along EB colony 2nd street from EB colony main road to Radha Nagar extension main road		Yes		
249	13	177	Construction of storm water drain along Lakshmi nagar 2nd street from Lakshmi Nagar main road to Rajiv Gandhi nagar main road		Yes		
250	13	182	Avvai nagar				Yes
251	13	182	Kannappa nagar				Yes
252	13	182	Ganapathy colony				Yes
253	13	172	Chitra nagar, Kotturpuram	Yes			
254	13	177	Ambedkar nagar II main road				Yes
255	13	177	Kamarajar street - Nehru nagar				Yes
256	13	177	TNHB Colony III main road				Yes
257	13	177	A.G.S Colony VI street				Yes
258	13	177	ASK Nagar				Yes
259	13	177	Ex Service man colony				Yes
260	13	177	Ambedkar nagar I cross street				Yes
261	13	177	TNHB Colony - EWS lanes				Yes
262	13	177	Nethaji colony I to IV cross streets				Yes
263	13	177	Andal nagar extn I to III streets				Yes
264	13	177	Venkateswara nagar III main road				Yes
265	13	177	A.G.S Colony III main road				Yes
266	13	177	Mahalakshmi nagar III cross street				Yes
267	13	177	Brindavan nagar II street		Yes		
268	13	179	Seshadripuram I main road	Yes			
269	13	170	Nagi (R) Thottam	Yes			

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
270	13	170	Chetti thottam	Yes			
271	13	170	Neruppumedu	Yes			
272	13	170	Vinayagapuram	Yes			
273	13	170	Anusuyamandapam	Yes			
274	13	178	Vijayanagar area	Yes			
275	13	178	Ram Nagar area	Yes			
276	13	179	Tansi nagar II, III, V, VII & X streets	Yes			
277	13	179	Dhandeeswaram nagar	Yes			
278	13	179	Seetharam nagar	Yes			
279	13	179	Sarathy nagar	Yes			
280	13	180	Velachery Taramani road (100' road)				Yes
281	14	184	MGR Salai, MRTS (Near ICDS)				Yes
282	14	187	Karthikeyapuram				Yes
283	14	187	New Kubera Nagar 5th & 7th Street				Yes
284	14	169	Ram Nagar (North)				Yes
285	14	169	Annai Therasa nagar				Yes
286	14	169	Puzhuthivakkam Bust Stand				Yes
287	14	186	OMR, Jn. of Thirumalai Nagar				Yes
288	14	185	ECR, Palgalai Nagar				Yes
289	14	183	ECR, Near BATA Show-room				Yes
290	14	183	ECR Opp. Fish market				Yes
291	14	184	OMR, MGR Salai Jn.				Yes
292	14	185	ECR, Govindan Nagar				Yes
293	14	188	Rajesh Nagar				Yes
294	14	188	Rajaji Nagar				Yes

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
295	14	188	LIC Nagar				Yes
296	14	188	Madipakkam Bus Stand				Yes
297	15	192	Ellaiamman koil street				Yes
298	15	193	MCN Nagar				Yes
299	15	194	OMR - Mettukuppam (VPG Avenue Junction)		Yes		
300	15	197	Wipro Salai		Yes		
301	15	192	Construction of SWD of size 600x750mm along Kumaraguru Avenue , Neelankarai				Yes
302	15	192	Construction of SWD of size 1200x1200mm along Pandian Salai, Neelankarai				Yes
303	15	192	Construction of SWD of size 600x750m along Saraswathi Nagar South, Neelankarai		Yes		
304	15	193	Construction of SWD of size 900x900mm along Karpaga Vinayagar Koil Street, Vettuvankeni				Yes
305	15	196	Construction of storm water drain along Ist Avenue Main Road, Vettuvankeni				Yes
306	15	197	Lalbahadur Sasthiri Street				Yes

Chronic Inundation Locations During Monsoon - 2017

Sl. No.	ZONE	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet	Total
1	I			18	1	19
2	II				11	11
3	III				37	37
4	IV				23	23
5	V				3	3
6	VI				9	9
7	VII			4	8	12
8	VIII				5	5
9	IX				12	12
10	X				5	5
11	XI				1	1
12	XII				4	4
13	XIII				10	10
14	XIV			1	47	48
15	XV				6	6
Total		0	0	23	182	205

Depth of Inundation During Monsoon - 2017							
Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
1	I	3	Annai sivagami nagar 6th street			Yes	
2	I	4	Thiruveedhiamman koil 5th street			Yes	
3	I	4	Mettu street			Yes	
4	I	5	MRF road junction			Yes	
5	I	5	Jaigopal karodia school				Yes
6	I	5	Gandhi nagar (Inside Market)			Yes	
7	I	6	Kalaignar nagar 9th street			Yes	
8	I	6	Manali express road			Yes	
9	I	7	Rajaji nagar VOC street			Yes	
10	I	7	Rajaji nagar sathyamootthy street			Yes	
11	I	7	Rajaji nagar Kirubananadavariyar street			Yes	
12	I	7	Rajaji nagar Muthuramalingam street			Yes	
13	I	7	Kargil nagar pumping station			Yes	
14	I	10	Nandhiodai			Yes	
15	I	11	T.H road (Opp. To Zonal office)			Yes	
16	I	12	BKN colony			Yes	
17	I	13	Varadarajan street (Govt. school)			Yes	
18	I	13	Gandhi nagar (In railway land)			Yes	
19	I	14	T.H road (Rajakadai)			Yes	
20	II	15	Manali New Town 73rd Block				Yes
21	II	15	Edayanchavadi				Yes
22	II	15	Chinna Eachankuzhi				Yes
23	II	16	Manali New town 84th,89th,90th Block				Yes
24	II	16	Manali New town 89th Block				Yes
25	II	16	Manali New town 90th Block				Yes
26	II	17	Kosappur School				Yes
27	II	18	All Street				Yes
28	II	19	MMDA 46TH Street				Yes
29	II	20	Kamarajar Salai				Yes
30	II	21	Jalakandamariamman Koil Street				Yes
31	III	22	Vegetarian Village				Yes

Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
32	III	24	Sriram Nagar,				Ye
33	III	24	Venkateswara Nagar				Yes
34	III	24	Venkatasai Nagar				Yes
35	III	24	Vijayalakshmi Nagar				Yes
36	III	24	Grace Ngr				Yes
37	III	24	Elisabath Ngr				Yes
38	III	24	Sathiyamoorthy Ngr				Yes
39	III	24	Ganapathy Ngr				Yes
40	III	24	Kamarajar Ngr				Yes
41	III	24	Krishna Ngr				Yes
42	III	24	Purushothaman Ngr				Yes
43	III	24	Velumurugan Ngr				Yes
44	III	25	padmavathy nagar GNT ROAD ROUNDANA,				Yes
45	III	25	Veeraragavan nagar				Yes
46	III	25	Collector Nagar				Yes
47	III	25	lakshmi Nagar				Yes
48	III	25	INTUC Nagar				Yes
49	III	25	Arignar Anna Ng				Yes
50	III	26	1.Ganapathy Siva Nagar, Thirupathy thangavel nagar				Yes
51	III	29	1.Perumal koil St				Yes
52	III	29	Perumal koil StExtension				Yes
53	III	29	Kakkan puram cross St				Yes
54	III	29	Velu St				Yes
55	III	29	Apparaj St				Yes
56	III	29	Devarajan 2nd Cross st				Yes
57	III	29	Gandhi Cross st				Yes
58	III	31	1.Kannapiran kovil st				Yes
59	III	31	kalkattashop				Yes
60	III	32	NANDHA NAGAR				Yes
61	III	32	VENKATESWARA NAGAR				Yes

Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
62	III	32	TEACHERS COLONY 4TH MAIN ROAD				Yes
63	III	33	Annapoorna Nagar entire Area(Vacant Land)				Yes
64	III	33	Ganapathy thottam,				Yes
65	III	33	Prakash Nagar				Yes
66	III	33	VIP Ngr				Yes
67	III	33	Elisabath Ngr				Yes
68	IV	34	Thendral Nagar				Yes
69	IV	35	Muthamil Nagar 202nd Street				Yes
70	IV	35	Gandhi Nagar				Yes
71	IV	35	Krishna Salai				Yes
72	IV	37	Abirami Avenue 14th Street				Yes
73	IV	37	MKB Nagar 4th Cross Street				Yes
74	IV	38	Vaithyanathan Street				Yes
75	IV	38	Patel Nagar 3rd Street				Yes
76	IV	38	Nehru Nagar 13th Street				Yes
77	IV	38	Nethaji Nagar 2nd Street				Yes
78	IV	40	Thiruvalluvar Nagar				Yes
79	IV	41	MGR Nagar 5th, 6th, 7th & 8th Street				Yes
80	IV	41	Parthasarathy Street				Yes
81	IV	41	Marimuthu Street				Yes
82	IV	41	Kasthuribai Street				Yes
83	IV	44	Kamaraj Street				Yes
84	IV	44	Palani andavar Koil Street				Yes
85	IV	45	Annai Sathya Nagar				Yes
86	IV	45	B.V.Colony 18th Street				Yes
87	IV	46	Palla 2nd & 3rd Street				Yes
88	IV	46	E.H Road (Moorthingar Opp Eswaran Koil)				Yes
89	IV	46	S.M.Nagar Main Road				Yes
90	IV	47	Meenambal Nagar 5th Street				Yes
91	V	53	C.B.Road				Yes
92	V	57	Prakasam Salai				Yes
93	V	58	Ritherdon road				Yes

Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
94	VI	64	Siva Sakthi Nagar				Yes
95	VI	64	Appasamy Street				Yes
96	VI	65	Ambedkar Nagar 1st Cross Street				Yes
97	VI	65	Ashok Avenue				Yes
98	VI	69	Bunder Garden				Yes
99	VI	72	Decaster Road				Yes
100	VI	74	Secratriate Colony 4nd Street				Yes
101	VI	74	Secratriate Colony 6th Street				Yes
102	VI	77	Elephant gate Road				Yes
103	VII	79	Manolodai St				Yes
104	VII	80	Sabari st, Chital st				Yes
105	VII	81	OT Bus stand				Yes
106	VII		Singapore complex				Yes
107	VII	82	Sakthi Nagar, Vital st			Yes	
108	VII	82	Vanasakthi Nagar,TVS Nagar,Sastha Nagar,				Yes
109	VII	83	Iyyappan st				Yes
110	VII	84	Kanniamman Koil st,			Yes	
111	VII	84	Bajanai Koil st, Dass industrial estate				Yes
112	VII	86	TNHB Phase-III			Yes	
113	VII	86	Rampoorna Nagar			Yes	
114	VII	89	Akshyacolony				Yes
115	VIII	99	H BLOCK 5TH STREET				Yes
116	VIII	105	Razak Garden				Yes
117	VIII	105	INDRA GANDHI STREET				Yes
118	VIII	105	MMDA COLONY H BLOCK				Yes
119	VIII	105	J BLOCK				Yes
120	IX	110	School Road				Yes
121	IX	110	Strelling Road				Yes
122	IX	111	Whites Road				Yes
123	IX	111	Gopalapuram 1st street				Yes
124	IX	113	Prakasam Salai				Yes
125	IX	113	Nungambakkm High Road (Near Park Hotel)				Yes

Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
126	IX	115	Dr.Besant road (Uruthu School)				Yes
127	IX	118	Anna Salai				Yes
128	IX	119	Avvai Shanmugam Salai 1st lane				Yes
129	IX	119	Lakshmipuram 2nd Street				Yes
130	IX	121	Dr.R.K.Salai				Yes
131	IX	122	Chamiers Road				Yes
132	X	127	Kaliamman Koil street Near Market				Yes
133	X	136	Bazulla Road				Yes
134	X	136	Burkit Road				Yes
135	X	127	Kaliamman Koil street				Yes
136	X	131	R.K.Shanmugam Salai				Yes
137	XI	148	Thangal Karai, Periyar Nagar				Yes
138	XII	156	PANICHATHAMMAN KOIL				Yes
139	XII	161	IG OFFICE				Yes
140	XII	162	KANNAN COLONY				Yes
141	XII	165	BALAJI NAGAR EXTN.(VACANTLAND to SWD)				Yes
142	XIII	174	CGHSS - Five furlong road				Yes
143	XIII	174	Radhakrishnan street				Yes
144	XIII	174	Pandiyan street				Yes
145	XIII	174	Velachery main road				Yes
146	XIII	177	Venkateswara nagar III street (Vacant land - 1 & Dhandeeswaram disposal - 1)				Yes
147	XIII	177	TNHB III avenue (Vacant land)				Yes
148	XIII	179	Park avenue III street				Yes
149	XIII	179	V.G.P Selva nagar IV main road				Yes
150	XIII	180	Kennady street				Yes
151	XIII	180	Anna street				Yes
152	XIV	168	Giri Street				Yes
153	XIV	169	Ram Nager Ist st				Yes
154	XIV	169	Sivasubramaniyam st				Yes
155	XIV	169	Jaya Nagar				Yes

Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
156	XIV	169	Thanthai Periyar School				Yes
157	XIV	169	Manikandan street				Yes
158	XIV	187	New Kuberan Nagar 5th street				Yes
159	XIV	187	New Kuberan Nagar 7th street				Yes
160	XIV	187	Kathikeyapuram 12th street				Yes
161	XIV	188	Arul murugan nagar 1st street				Yes
162	XIV	188	Vishal Nager Main Road				Yes
163	XIV	188	Krishnaveni Ammal Nagar				Yes
164	XIV	188	mahalakshmi nagar				Yes
165	XIV	188	madipakkam bus stand				Yes
166	XIV	188	Govindaswamy Nagar				Yes
167	XIV	188	Arul murugan nagar 4th street				Yes
168	XIV	188	Veeramani Street				Yes
169	XIV	188	Kuberan nagar 14th street				Yes
170	XIV	188	Kuberan nagar 15th street				Yes
171	XIV	189	perumal Nagar				Yes
172	XIV	189	meru Nagar Main road				Yes
173	XIV	189	kamaraj Street				Yes
174	XIV	190	kannan thasan Nagar (park)				Yes
175	XIV	190	nehru Street (part)				Yes
176	XIV	190	Kovalan Nagar 6th street				Yes
177	XIV	190	Rajiv Street (part)				Yes
178	XIV	191	pallavan Street				Yes
179	XIV	191	pallavan Nagar 1 Street (part)				Yes
180	XIV	191	pallavan Nagar 2 Street (part)				Yes
181	XIV	191	pallavan Nagar 3 Street (part)				Yes
182	XIV	191	pallavan Nagar 4 Street (part)				Yes
183	XIV	191	padamavathi nagar main road				Yes
184	XIV	191	Nagathamman kovil st			Yes	
185	XIV	191	Indra gandhi street				Yes
186	XIV	191	Rajiv gandhi street				Yes
187	XIV	191	Mani megali Street				Yes
188	XIV	191	Bagavathu Singh Street				Yes
189	XIV	191	Manikkam Street				Yes

Sl. No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
190	XIV	191	Nethaji Street				Yes
191	XIV	191	Kovalan Street				Yes
192	XIV	191	Rajeshwari Street				Yes
193	XIV	191	Kannagi Street				Yes
194	XIV	191	Kambar Street				Yes
195	XIV	191	Indhra Street				Yes
196	XIV	191	Kumarakurubarar Street				Yes
197	XIV	191	Rajiv Gandhi Cross Street				Yes
198	XIV	191	Vaithiya Lingam Stret				Yes
199	XIV	191	Pachayappan Koil Street				Yes
200	XV	192	Kabaleeswarar Nagar 5th cross street				Yes
201	XV	193	MCN Nagar Extn 3rd Street				Yes
202	XV	194	Raju Nagar 1st and 2nd Street				Yes
203	XV	196	Bethel Nagar				Yes
204	XV	196	ECR-Jn of Gandhi Street				Yes
205	XV	197	Bajanai Kovil Street				Yes
			TOTAL				

NORTH EAST MONSOON-2018**Chronic Inundation Location During Monsoon - 2018**

Sl. No	Zone	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet	TOTAL
1	I	–	–	–	2	2
2	III	–	–	1	2	3
3	VII	–	–	–	7	7
4	VIII	–	–	–	3	3
5	XI	–	–	–	2	2
6	XIV	–	–	–	17	17
7	XV	–	–	–	19	19
TOTAL				1	52	53

NORTH EAST MONSOON-2018							
Depth of Inundation During Monsoon -2018							
No of stagnation : 53 locations							
Sl.No	Zone	Div	Location	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
1	1	6	Jothi Nagar				Yes
2	1	7	Rajaji Nagar				Yes
3	3	22	Thirumalai nagar				Yes
4	3	26	Sivaganapathi nagar	–	–	–	Yes
5	3	26	Perimalum nagar	–	–	Yes	–
6	7	82	Karukku Main Road	–	–	–	Yes
7	7	83	TVS Nagar East, Balaji Nagar	–	–	–	Yes
8	7	83	Iyappan Nagar,	–	–	–	Yes
9	7	83	Balaji Nagar	–	–	–	Yes
10	7	91	Jeswanth Nagar				Yes
11	7	92	Vellalar Street				Yes
12	7	93	Padikuppam Main road				Yes
13	8	94	MTH ROAD NEAR VILLI-VAKKAM POLICE STATION				Yes
14	8	104	DR ALAGAPPA ROAD				Yes
15	8	104	SUNDARAM LANE				Yes
16	11	147	Nagenthiran Street				Yes
17	11	150	Chettiyaragaram Main Road				Yes
18	14	169	Ram nagar 1st street	–	–	–	Yes
19	14	169	Ram nagar 2nd street	–	–	–	Yes
20	14	169	Ram nagar 3rd street	–	–	–	Yes
21	14	169	Ram nagar 5th street	–	–	–	Yes
22	14	169	Ram nagar 7th street	–	–	–	Yes
23	14	169	Ram nagar 8th street	–	–	–	Yes
24	14	169	Manikandan street	–	–	–	Yes
25	14	169	Sivasubramaniam street	–	–	–	Yes
26	14	169	Sivaprakasham 1st street	–	–	–	Yes
27	14	169	Balaji nagar 24th street	–	–	–	Yes

28	14	169	Annai Therasa nagar 7th street	-	-	-	Yes
29	14	169	Annai Therasa nagar 4st street	-	-	-	Yes
30	14	169	Annai Therasa nagar 14th street	-	-	-	Yes
31	14	169	Ramalingam nagar main road	-	-	-	Yes
32	14	169	Jaya nagar	-	-	-	Yes
33	14	183	Division office	-	-	-	Yes
34	14	187	Saraswathi street	-	-	-	Yes
35	15	192	Infront of Maharastra Bank at ECR Road Neelankarai	-	-	-	Yes
36	15	192	Ellaiyamman Koil 4th Street, Neelankarai	-	-	-	Yes
37	15	193	Mahathma Gandhi 2nd Main Road	-	-	-	Yes
38	15	193	Karpaga Vinayagar Nagar 3rd Street	-	-	-	Yes
39	15	193	Karpaga Vinayagar Nagar 4th Street	-	-	-	Yes
40	15	193	Karpaga Vinayagar Nagar 5th Street	-	-	-	Yes
41	15	193	Kasthuribai 10th cross street	-	-	-	Yes
42	15	193	Karpaga Vinayagar Nagar 7th Street	-	-	-	Yes
43	15	194	Balaji Nagar	-	-	-	Yes
44	15	194	Bharathiyar Nagar	-	-	-	Yes
45	15	195	Saraswathi Nagar 4th Cross Street	-	-	-	Yes
46	15	196	ECR Road Pilominal School	-	-	-	Yes
47	15	196	Ramalinga nagar	-	-	-	Yes
48	15	197	Annai Fathima school	-	-	-	Yes
49	15	197	Classic Farm Retreat 1st st	-	-	-	Yes
50	15	198	Ponniyamman koil 5th cross street	-	-	-	Yes
51	15	200	Thiruvalluvar Nagar	-	-	-	Yes
52	15	200	Jawahar nagar 5th.6th cr st	-	-	-	Yes
53	15	200	Nookampalayam link road	-	-	-	Yes

Chronic Inundation Locations During Monsoon - 2019

Sl.No.	ZONE	No.of.Water Stagnation locations	Very High Vulnerability	High Vulnerability	Medium Vulnerability	Low Vulnerability	Total
1	I	1				1	1
2	II	0				0	0
3	III	1				1	1
4	IV	0				0	0
5	V	2				2	2
6	VI	1				1	1
7	VII	1				1	1
8	VIII	1				1	1
9	IX	2				2	2
10	X	2				2	2
11	XI	1				1	1
12	XII	0				0	0
13	XIII	1				1	1
14	XIV	4				4	4
15	XV	2				2	2
		19	0	0	0	19	19

Depth of Inundation During Monsoon -2019

Sl.No.	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet
1	1	7	Kargil Nagar, Thiruvotriyur				Yes
2	3	24	Surapet Main Road				Yes
3	5	56	Prakasam Salai				Yes
4	5	58	EVK Sampath Salai				Yes
5	6	69	Paper Mills road				Yes
6	7	83	North Avenue, TNHB 27th,28th,42th,49th,50th,61st				Yes
7	8	100 , 102	P.H Road, Near Arumbakkam and Near Mosque				Yes
8	9	113	Nungambakkam High (Near Park Hotel)				Yes
9	9	117	North Usman Road				Yes
10	10	127	Jawahar lal nehru, 100 feet road, Koyambedu junction				Yes
11	10	130	100 Feet road, CMRL , Vadapalani junction				Yes
12	11	152	Arcot road in front of lamech school				Yes
13	13	174	Vellachery Main Road Phoenix Mall Near vijaya nagar junction				Yes
14	14	188 , 169 , 187	Ram Nagar 6th, 8th ,9th Street				Yes
15	14	191	Quidamillath Street				Yes
16	14	188,187	Kuberan Nagar				Yes
17	14	169,187	Sadasivam Nagar				Yes
18	15	200	Nookkambaalayam link road				Yes
19	15	200	Jawahar Nagar				Yes
			TOTAL				

Chronic Inundation Locations During Monsoon - 2020

Sl. No.	ZONE	No.of.Water Stagnation locations	Very High Vulnerability	High Vulnerability	Medium Vulnerability	Low Vulnerability	Total
1	I	1				1	1
2	II	0				0	0
3	III	0				0	0
4	IV	2				2	2
5	V	1				1	1
6	VI	2				2	2
7	VII	1				1	1
8	VIII	2				2	2
9	IX	2				2	2
10	X	2				2	2
11	XI	2				2	2
12	XII	1				1	1
13	XIII	3				3	3
14	XIV	2				2	2
15	XV	2				2	2
		23	0	0	0	23	23

Depth of Inundation During Monsoon -2020

Sl.No.	Zone	Ward	Location	Very High Vulnerability Above 5feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet
1	1	07	Kargil Nagar, Thiruvotriyur				Yes
2	4	42	Kailasam Street.				Yes
3	4	47	Meenambal Nagar, Kathivakkam High Road.				Yes
4	5	57	Prakasam Salai,				Yes
5	6	65 & 66	Senthil Nagar 1 st Main Road & Selvi Nagar 1 to 5 Street. Periyar Nagar (Kathikeyan Salai), Jaganathan Salai.				Yes
6	6	77	Pulianthope High Road				Yes
7	7	83	North Avenue, Korattur				Yes
8	8	94	Baba Nagar, Villivakkam, South Jaganatha Nagar 3 rd Main Road.				Yes
9	8	100	3 rd Avenue, Anna Nagar				Yes
10	9	113	Habibullah Road				Yes
11	9	123	R.A Puram 1 st Main Road				Yes
12	10	131	Rajammannar Salai & R.K. Shanmugam Salai.				Yes
13	10	136	Bazullah Road				Yes

14	11	143	Gajalakshmi Nagar Main Road & Gajalakshmi Nagar 5 th Street				Yes
15	11	150	Arcot Road Northern side (from Porur Jun to Karambakkam Police Booth)				Yes
16	12	162 & 164	Kannan Colony, Vembuli Amman Koil Road, Alandur				Yes
17	13	174	City Link Road, Five Furlong Road, Cart Track Road, Pillaiyar Koil Street, Nethaji Road.				Yes
18	13	177	Velachery AGS Colony 4th Street & 5 th Street				Yes
19	13	180	MGR Main Road. Periyar Nagar, Tharaman				Yes
20	14	169	Ram Nagar 10 th & 11 th Street.				Yes
21	14	188	Mayilai Balaji Nagar (Kuberan Nagar, Ram Nagar South) Pallikaranai.				Yes
22	15	196	Selva Nagar				Yes
23	15	200	Semmancheri Housing Board Colony, Semmancheri EzhilmugaNagar, Jawahar Nagar.				Yes
			TOTAL				

4.2.1 Scene During Flood 2015

All the residential areas including encroached areas along with water bodies were totally marooned for more than 10 days.

280 boats and choppers were used for rescuing people and supplied relief materials to the low lying areas such as Kargil Nagar, Manali, Madhavaram, Villivakkam, Kolathur, Tondiarpet, Mambalam, K.K.Nagar, Jafferkhanpet, Ashok Pillar, Ekkatuthangal, Guindy Industrial Estate, Defence colony, Ramapuram, Sri Nagar colony, Saidapet, Valasaravakkam , Manapakkam, Kotturpuram, Madhya kailash, Velachery, Pallikaranai, Thiruvanmiyur, Neelangerai, Perungudi, Madipakkam, Ram Nagar, Karapakkam, Sholinganallur, etc.,

Some of the areas were also experienced road “CAVE-INS” at Sardar Patel Road near Madhya Kailash, P.S.Sivasamy Salai, T.T.K Road, Rajaji Salai, VIth Avenue in Anna Nagar, Anna Salai in Teynampet, Dr. Nair Road in T. Nagar, Devanathan Road in Mylapore.





The mobile communication network was down/off in various parts of Chennai. Major inter city and inter state roads were cutoff during flood and severely affected the public movement. The city was totally cut off from other cities due to disconnection of roads, city was severely affected and the supply of basic commodities like vegetables, milk and bread etc., were stopped. The train services were stopped and the operation of airport was closed was more than a week. Due to failure of continuous power supply in Chennai city, it was difficult to rescue the people at night time.

4.2.1.1 Government Response

Due to the severity of rain and excess flow of water in the rivers and canals, the Government has appointed 15 senior level IAS officers as Monitoring Officers one for each zone. These officers headed relief and rehabilitation works in each zone in a planned and systematic manner. The involvement of these officers was very effective because they have co-ordinated with various head of departments for speedy execution of relief works.

4.2.1.2 Mitigation

Flood water was cleared by using 470 Pumpsets, 82 JCB and Poclains, 49 Fire Service machines and 75 super suckers of CMWSSB. In addition 6 heavy duty pumps having capacity of 250 HP each were supplied by Confederation of Indian Industry (CII), New Delhi and 4 from Neyveli Lignite Corporation Ltd. (NLC) were used in heavily inundated areas. In flooded/marooned areas 280 boats and choppers were used for rescuing people and supplying relief materials to the low lying areas.





About 176 relief centres were opened in Chennai city by GCC and more than 1.2 lakhs individuals were sheltered in these relief centres for more than 20 days. Necessary relief materials like mat, bed sheets and food materials were supplied promptly. In addition to this, donors and NGO's themselves distributed food and relief materials to the affected people in pockets. Apart from inhouse kitchens in some relief centers, food was also prepared and distributed from Amma Canteen and from all four common kitchens of Greater Chennai Corporation.



Sheltered in relief center



Distribution of food

4.2.1.3 Centralised Relief Material Center

A centralised Relief Material Distribution Center for Chennai, Thiruvallur, Kanchepuram and Cudalore was opened at Jawaharlal Nehru Indoor Stadium for prompt and speedy distribution of relief materials to flood affected people.

The relief materials were received from the Districts Collectors, Co-operative Societies, Aavin, MTC and Southern Railways, Indian Navy, various Public Sector Undertakings, Indian Military, NDRF, NSS and NGOs includes 1,99,244 General food packets, 32,992 Mats, 2,07,433 Bed sheets, 12,500 liters of Milk, 54,448 Water Bottles, 2,122 Rice Bags, 10,390 Dress Material Packs, 3,004 Medicine Boxes and 2,38,568 liter of water totalling 1577.65 tonnes over a period of 15 days.





More than 250 MT of bleaching powder for sanitation of the flood affected areas was received from Government and NGO's. Supply of bleaching powder was very much useful to clean the sumps, over head tanks etc., to control infections and diseases out break. The NGO's and volunteers have not only contributed for door to door distribution of relief materials but also for applying bleaching powder in the flood affected areas. The services of residential welfare associations were also fully utilised to spread the bleaching powder in their areas.

All these relief materials were sorted out and packed for each families at Nehru Indoor Stadium by the volunteers. These sorted materials were taken to the affected areas and distributed door to door. This was done with the help of NGO's, volunteers, GCC staff, Police, Army, NDRF, SDRF, Homeguards, NCC and NSS. The distribution of relief materials including perishable items like fruits and vegetables were distributed to victims without delay and wastages are to be appreciated.

4.2.1.4 Distribution of relief materials and role of NGOs / Volunteers

Previous day the GCC was informed to be ready to receive and distribution of huge quantity of relief materials from various agencies. GCC's entire team was already preoccupied in doing relief works in the field. So we have decided to appeal to NGO's and volunteers to assist GCC for disbursing relief materials. Over night we have sent message through various social medias, radio channels for NGO's and volunteers services.



It was surprise to see more than 1,000 volunteer/NGO's turned out on the next day at Nehru Indoor Stadium. It is very interesting to mention some foreigners, school children and families with the kids were whole heartedly participated in the operation. Many of them took much risk to travel to Nehru Stadium with restricted road accessibility. Initially we had problem to arrange food for volunteers. In the first two days they managed with biscuits., snacks came along with relief materials. Later GCC was able to arrange food for them. Nearly around 4,000 volunteers and NGO's turned up and played key role for smooth distribution of relief materials at door step. After flood relief work GCC has sent appreciation letter to all the Volunteers/NGO's through e-mail.

4.2.1.5 Clearing of Garbage

Greater Chennai Corporation owns 115 HMV Lorries, 122 LMV Lorries, 15 HMV Tipper, 29 LMV Tipper, 21 Front end loaders for Garbage removal and 80 HMV lorries, 45 Bobcats for debris removal, for clearing the city. GCC's average

daily collection of garbage is between 4,500 MT and 5,000 MT.

The biggest challenge to GCC after receding flood water was to remove the garbage with sludges from the roads and streets. And every day the residents were throwing huge quantity of damaged house hold articles/debris on roads/streets. The GCC could not handle the situation with its own conservancy labours due to less strength and continuous restless work. To come out of the situation 16,111 sanitary workers and labours with 675 lorries and 100 JCB were mobilized from other local bodies. Necessary safety gears like gumboots, masks, gloves, raincoats were given to all the sanitary workers. GCC has arranged accommodation and food for sanitary workers who have come from outside city.

The entire team along with 2,500 labours of GCC were deployed for cleaning the debris throughout the city on war foot manner. It is worth to mention that between 7.12.2015 and 2.01.2016 GCC has cleared 2.2 Lakhs MT of garbage/debris at 8,148 MT per day.

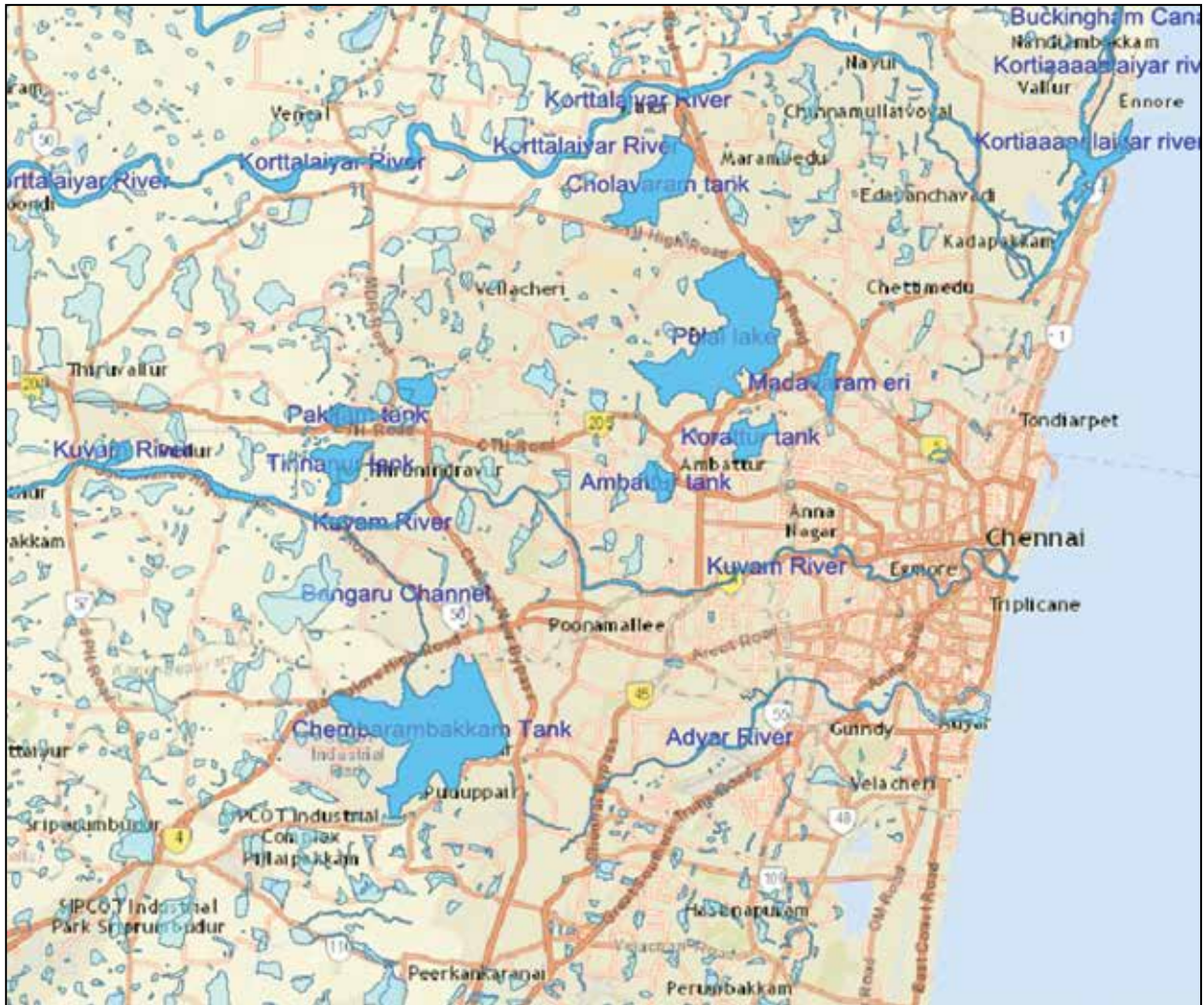
4.2.2 Causes of Flood

Chennai is the only drainage basin for all the water bodies located in 2 adjoining districts around Chennai. Over the years, the water bodies have shrunk due to various reasons in Chennai Metropolitan Areas. Furthermore, rapid urbanization and industrialization has led to large scale encroachment in the water bodies.

The old map of 1909 which shows the locations of several water bodies, comparing this with recent map is a clear evident that many water bodies have shrunk and several have completely disappeared.



The City of Chennai in 1909



The City of Chennai in 1981.

Chennai has experienced many floods during the last three decades. The reasons for flood in the city shall be narrowed down as follows

1. Plain terrain of Chennai with an average altitude of 7m height.
2. Sand bar formation at the mouths of rivers, which slow down the discharge rate.
3. Clogging of the drains due to indiscriminate dumping of solid waste and construction debris.
4. Inadequate design capacity of storm water drain in Highways and other roads.
5. Lack of continuous connectivity of storm water drainages with macro drainage and absence of storm water drain network in added areas.
6. Encroachments.
7. Influence of high and low tide.
8. Flow of excess surplus water than the designed carrying capacity into minor water bodies through the tanks in upstream.
9. Construction of less number of cross culverts/vents with inadequate sizes wherever the road is passing across the water flow.

5.0 EARTHQUAKES AND TSUNAMIS

Chennai City has its boundaries facing the Bay of Bengal thereby susceptible to various natural disturbances like floods, cyclone, sea surge, and tsunami, among others. The city has also been classified as moderately susceptible to earthquakes.

Chennai is not seismically as active as compared with the northern and western parts of the country. Small to moderate earthquakes have occurred in the state of Tamil Nadu. The frequency of earthquakes is low i.e. the gap between moderate sized events is fairly long and therefore, this plan concentrates more on floods and cyclones.

However, an earthquake in the Indian Ocean occurred on 26 December 2004 with the epicentre off the west coast of Sumatra, Indonesia. The shock had a moment magnitude of 9.1–9.3 and a maximum Mercalli intensity. The undersea megathrust earthquake was caused when the Indian Plate was subducted by the Burma Plate and triggered a series of devastating tsunami waves along the coasts bordering the Indian Ocean. Inundated coastal communities with waves up to 30 metres (100 ft) high affected 25 kuppams in 4 coastal revenue villages affected 73,000 people, 30,000 people evacuated, 206 human loss, 9 injured and damaged 17,000 houses and other properties in Chennai city.

5.1 Earthquake

Earthquake is a sudden and violent shaking of ground causing great destruction as a result of movement of earth's crust. An earthquake has the potential to tsunami or volcanic eruption.

Chennai has not witnessed a serious earthquake so far although Chennai lies in high-risk seismic zone III as per Bureau of Indian Standards 1893 criteria for earthquake resistant design of structures IS 1893(Part 1):2002 . The biggest earthquake 5.2 magnitude earthquake has occurred 15 years ago at 14:56 September 25, 2001 UTC with Epicenter at 11.956, 80.214 at 39.2 km from Marakkanam (24.2 miles) with close proximity to Chennai and 4.6 magnitude earthquake has occurred 29 years ago at 18:15 December 03, 1987 UTC with Epicenter at 15.525, 80.246 21.2 km from Ongole (13.2 miles). Mild tremors were felt in some part of the cities in 2012, 2015.

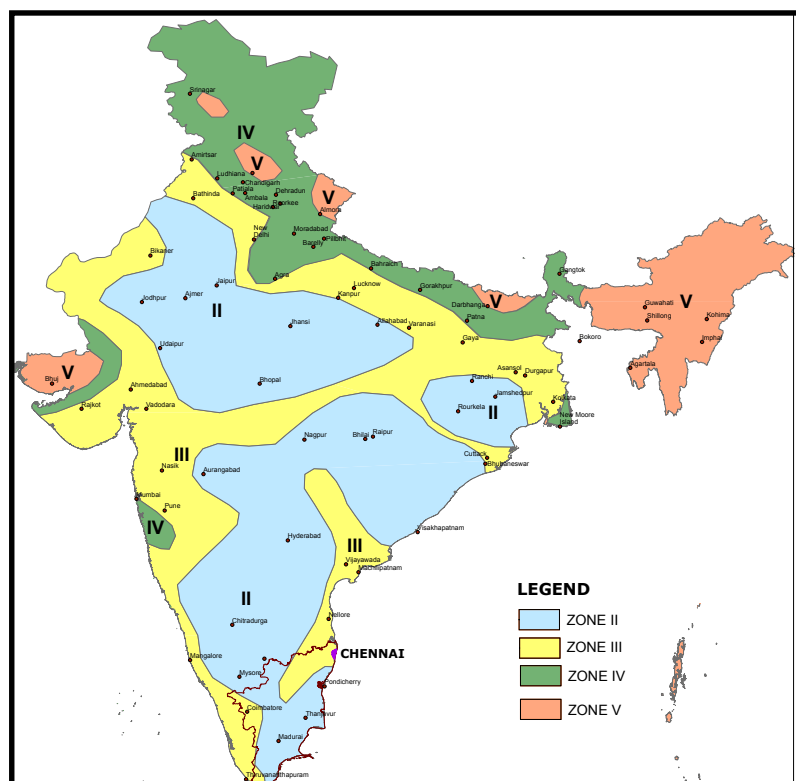
The probability of an earthquake can be roughly estimated, there is no

accepted method at present to predict the time and intensity of earthquake. The following table illustrates the maximum intensity expected in different seismic zones and probable impact.

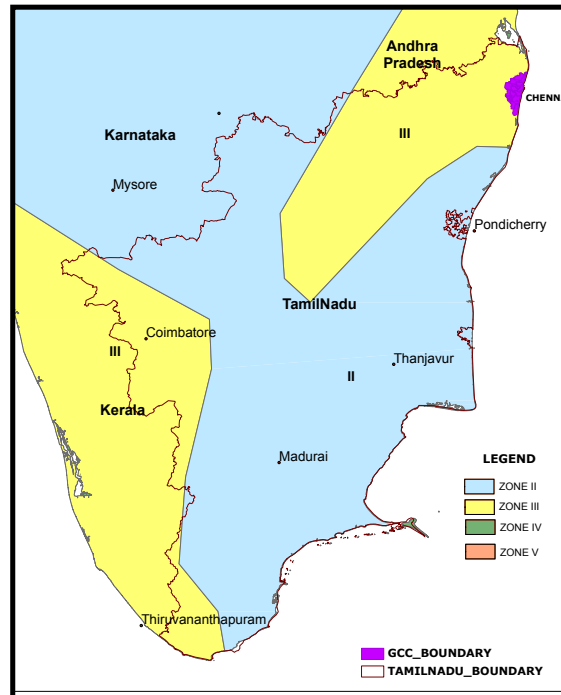
Seismic zone	Magnitude	Probable max. intensity	Probable Impact
II	Below 4.5	VI	Felt by all many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight
III	4.5 - 5.5	VII	Damage negligible in buildings of good design and Construction; slight to moderate in well built ordinary structures; Considerable damage in poorly built or badly designed structures; some chimneys broken.
IV	5.5 - 6	VIII	Damage slight in specially designed structures; Considerable damage in ordinary substantial building with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stocks, columns monuments, walls, Heavy furniture overturned
V	6 or Higher	IX or Higher	Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial building, with partial collapse. Buildings shifted off foundations.

Maximum intensity Expected in Different seismic Zones

Seismic Zones in India



Seismic Zones in Tamilnadu



5.1.1 Impact of Earthquake

Earthquakes results in primary, secondary and tertiary impacts.

Primary impacts include surface vibration, surface rupture and displacement along the fault plane, total or partial damage and collapse of buildings, dams, tunnels, pipelines and other rigid structures.

Secondary impacts of earthquake include liquefaction, landslides, fire, tsunامي and floods, regional subsidence or emergence of landmass, change in course of river, changes in ground water level, etc. Most of the deaths by earthquake are caused mainly due to building collapse, falling debris, broken glass panes. Earthquakes also lead to minor and severe injuries, loss of limbs, etc. Apart from these, earthquake impacts routine services due to the damage caused to lifeline buildings, roads, railway tracks, bridges, highways, disruption of traffic, large amount of debris, disruption of water supply and electricity, etc.

Tertiary impact of earthquake includes Post Trauma Stress Disorder (PTSD), long term psychological issues, loss of livelihood, disruption of social capital due to relocation related issues, etc.

5.1.2 Earthquake Mitigation Strategies

- Existing critical facilities built on reclaimed land should be inspected and retrofitted if necessary to ensure earthquake resistance.
- Future critical facilities should not be located on reclaimed land because of the high potential for liquefaction.

- Older unreinforced masonry buildings should be inspected and retrofitted if necessary to increase earthquake resistance.
- Older unreinforced masonry buildings should not be used for critical functions.
- Ensuring all the Government building & GCC buildings are constructed as per IS 1893(Part 1) : 2002.
- Motivating public to construct building as per IS 1893(Part 1) : 2002.

5.1.3 Earthquake preparedness measures

- Organise camps in school, colleges and public for awareness of do-s and do n'ts for earthquakes.
- Ensure preparation of disaster management plans and first aid kits in all schools, colleges and all offices.
- Identify safe schools and colleges which can be used as relief shelters for short duration of time in aftermath of any earthquake.
- Ensure that all critical life saving equipment are maintained and ready to use.
- Ensure that open and safe places in the corporation area, vacant land like roads, parks & play grounds for mass evacuation are identified.
- Ensure that safe buildings in the corporation area are identified for purpose of relief camps in post disaster.
- Develop plan for hospital preparedness and mass casualty management.
- Prepare a database of registered private hospitals, clinics, diagnostic labs, blood banks, etc. along with their capacities and facilities provided.
- Ensure availability of adequate supply of life saving equipments and drugs, portable supplies like portable oxygen cylinders, portable x-ray machines, triage tags, etc.
- Prepare for quick deployment of rescue teams including volunteers for providing safety to affected population and evacuated structures/ houses.

5.1.4 Assembly Points

Open and safe places in the corporation for mass evacuation during disaster are identified as vacant land like parks, playgrounds and roads. The location of parks is mentioned in each zone shall be utilized as buffer zone during disasters and the list of playgrounds which will also serve as assembly points during earthquake is given below.

Zone	Ward	Name/Location of Play Ground
1	10	Poonthottam School play ground
2	15	Manali New Town, Edayanchavadi Chennai Primary School
2	16	Manali TNHB Phase - 2, Sadayankuppam
2	16	Burma Nagar
2	17	Kathakuzhi Near Perumal Koil Street
2	17	Chettimedu
2	19	Chinna samy Nagar, Periyamathur
2	19	MMDA 4th Main Cross Street
2	20	Periya thoppu
2	21	Ambedkar Playground
3	27	ASSISI Nagar 10th Street
3	28	Krishna Nagar Play Ground, Periyasekkadu
3	29	Chandramman Koil Street, Chinnasekkadu
3	30	Thiruvalluvar 2nd St
3	23	Thanthai Sivaraj Foot Ball Ground EMS Street
4	36	Sharma Nagar 9 th street
4	36	Sharma Nagar 1st main road
4	36	16 th West Cross Street MKB Nagar
4	36	18 th West Cross street MKB nagar
4	36	Vasugi nagar
4	37	3 rd Crsoss street, MKB nagr
4	37	4 th Cross Street, MKB Nagar
4	37	Central Avenue road
4	37	East avenue road
4	37	18 th Central cross street
4	37	KKD Nagar 7th Block
4	37	Srinivasan Street
4	37	SM nagar
4	40	Chelliamman Koil Street
4	46	Kalyanapuram Ground

Zone	Ward	Name/Location of Play Ground
4	46	Sathyamoorthy naagr main road
4	48	Kanni Koil street
5	52	Cementry Road Near Metro Water Office Area-5
5	52	OSH Road, Royapuram, Near Stanly Hospital
5	55	Barracks 1 st Lane Near Stanly Hospital
5	58	Thirunarayanaguru salai
5	61	Vengu street
5	61	Sami (R) Puram - Rangachari park
6	64	V.V Nagar
6	64	TNHB Play Ground
6	66	Ram Nagar 2nd Main Road
6	66	Jawahar Nagar 2nd Circular Road
6	66	Jawahar Nagar 2nd Cross Street
6	67	Rangasayee Street
6	67	Parthasarathy Play Ground
6	67	Loco Scheme 2nd Street
6	68	Thiru-Vi-Ka Nagar
6	68	Madurai Samy Madam
6	72	Kannigapuram
6	72	VOC Nagar
6	72	Kasthuri Bai Colony
6	74	Barackka Road
6	74	AK Samy Nagar 1st Street
6	74	Reddy Colony
6	74	SVM Nagar
6	76	KM Garden 1st Street
6	77	Sundarapuram
6	77	Old Slaughter House
7	84	Korattur TNHB 2nd street
7	89	Officers colony main Road, Anna nagar West extension
7	91	Mogapair Eri Scheme 1st main road , Ambedkar nagar
8	94	North Jaganathan Nagar 3rd Street

Zone	Ward	Name/Location of Play Ground
8	94	Rajamangalam 2nd Main Road Chennai Primary School
8	94	Redhills Road 4th Street Chennai Primary School
8	94	Baba Nagar 3rd Cross Street
8	95	I-Block 7th Street, Vallalar Kudiuruppu
8	95	I-Block 28th Street, Kamar Kudiuruppu
8	95	I-Block 18th Street, Thiruvalluvar Kudiuruppu
8	95	I-Block, 34th Street, Iswarya Colony
8	95	Mullai Nagar 6th street
8	95	Vasantham Colony 1st Street
8	95	Vasantham Colony 2nd Street
8	95	Agathiyar Nagar N-Block 3rd Street
8	95	Agathiyar Nagar O-Block 9th Street
8	95	Agthiyar Nagar O-Block 12th Street
8	95	Thirumangalam Road, Puspphanjali Appartments
8	95	Thendral Colony 2nd Street
8	96	K.K. Nagar 10th Street
8	97	Solai Street
8	97	Vellala Street
8	97	Pachaikal veeraswamy Street
8	98	Dr. Ambetkar 2nd Street
8	98	Solai Amman Koil Street
8	98	Aspiran Garden 1st Street
8	98	Lockma Nagar Main Street Chennai Primary School
8	99	J-Block 10th Street
8	99	H-Block 14th Street
8	99	H-Block 16th Street, Brinley Garden
8	99	A.F.-Block 1st Street

Zone	Ward	Name/Location of Play Ground
8	99	N.V.N. Nagar 6th street Junction of 8th Street
8	99	N.V.N. Nagar 14th street
8	99	Temple Colony 15th Main Road
8	99	Kathiravan Colony Main road
8	99	Appu Colony, Ponni Colony Main Road
8	99	Thiriveni Flat Belli Area
8	99	Sangam Apartments Belly Area
8	99	G-Block 2nd Street, Forest Department
8	100	AE-Block Play Ground
8	100	AL-Block Play Ground 3rd & 4th Street
8	100	7th Main Road Near Foot bridge at HIG Flats
8	101	VI Cross Street
8	101	Crescent Play Ground
8	101	N-Block 24th Street
8	101	O-Block
8	101	K-Block Tennis Court
8	102	L-Block
8	102	1st Cross Street, East
8	102	Shenoy Nagar Park and Play Ground
8	102	Big Street Childrens Play Ground
8	102	Canal Road Children Play Ground
8	102	V.S.Puram
8	105	E-Block, M.M.D.A.Colony, Arumbakkam
8	105	D-Block, M.M.D.A.Colony, Arumbakkam
8	105	Kalki Nagar Main Road, Arumbakkam
8	106	Rajaram Metha Nagar
8	106	Collectrate Colony Main Road
8	107	Mayor Sathyamurthy Salai

Zo ne	Ward	Name/Location of Play Ground
8	107	Mayor Ramanathan Salai
8	107	Brindavanam 1st Street
8	108	R-Block, Elango Street, M.M.D.A.Colony, Arumbakkam
8	108	P-Block MMDA Colony, Arumbakkam
9	109	Gil Nagar
9	110	Lake area IV cross street, Nungambakkam Village
9	111	Conron Smith Road, Gopalapuram Play Ground
9	111	Greams Road
9	111	Model School Road, 1000 light Play ground
9	112	Varadarajanpet Main Road
9	112	Ganga nagar
9	112	Puliyur 1st Main Road
9	112	Trustpuram 10th Cross Street
9	115	Mirza Hyder Ali Khan Street, Childrens Play Ground
9	117	Ramakamathupuram Play Field O &Q Block
9	117	Ramakamathupuram Play Field R &T Block
9	120	Iloyeds Colony, Childrens Park
9	120	Nadukuppam, Childrens Park
9	121	Kamarajar Salai, Scating ground
9	121	Thiruveethiamman Koil Street
9	122	Turnbulls Road
9	122	Nandanam Play Ground
9	122	S.M.Nagar, Near A Block
9	123	Pallakumaniyam
9	123	St.Mary's road
9	124	Ramakrishnapuram

Zo ne	Ward	Name/Location of Play Ground
9	125	14, Papa Nasam Sivan Salai
9	125	Rosary Church Street
9	126	4th Trust Link Street
9	126	South Canal bank Road
10	132	9th Avenue , Ashok nagar
10	132	6th Avenue , Ashok nagar
10	132	14TH SECTOR, 102 STREET
10	133	Ashok Nagar 17Th Street Play Gorund
10	134	Corporation Colony 1St Main Road Play Ground
10	135	Bakthavatchalam Street Play Ground
10	136	Venkat narayana road
10	136	Somasundharam play ground
10	137	10th Sector Play Ground
10	138	Parinagar Kannagi Street
10	138	Thiru Nagar VOC Street
10	138	Thiru Nagar Ganaolivu Street
10	138	Thirunagar Valluvar Street
10	138	Bharathidasan Colony Main Road
10	138	Bharathidasan Colony 4th Street
10	138	VM Balakrishnan Street
10	138	Annai Sathiya Nagar
10	139	Ragava reddy colony
10	140	Palmore Street
10	141	CIT Nagar 4 th Main Road
10	142	Godhamedhu
11	144	MMDA Colony 6th Block
11	144	MMDA Colony 7th Block
11	147	Alappakkam Main Road, Thanthai Periyar
11	149	Ramakrishna Nagar
11	149	Palaniappa Nagar
11	151	Lakshmi nagar 5th cross street

Zo ne	Ward	Name/Location of Play Ground
11	151	Lakshmi nagar Extn. 4th Main Road
11	152	Veerappa nagar 2nd Street
11	152	Bharathi colony
11	152	Kadamban Street
11	152	Sairam avenue, Hospital Road
11	152	Chowdry Nagar Main Road
11	150	Rajeswari Nagar 2nd cross street
13	171	Subbupillai thottam
13	171	Venkatapuram
13	172	Lake view road
13	172	Kottur garden II cross street
13	172	Kotturpuram II main road
13	172	Kotturpuram III main road
13	172	Kottur garden IV main road
13	172	Ambadi road
13	173	Kamaraj salai
13	173	Kamaraj salai
13	173	Kamaraj salai
13	173	D.G.S. Dhinakaran salai
13	173	Karpagam avenue IV street
13	173	Karpagam avenue IV street – indoor stadium
13	174	Annagarden, end of IIT gate
13	174	Velachery main road, opposite to kannigapuram
13	175	Kottur canal bank road
13	175	Venkatathinam nagar
13	175	Induira nagar VIII cross street
13	175	Thiruvengadam street
13	175	Indira nagar XI lane
13	176	Sastri nagar XI cross street
13	176	Besant nagar XXI cross street
13	176	Besant nagar XXXII street
13	176	Besant nagar IV main road
13	176	SBI Colony
13	177	Mahalakshmi nagar I main road

Zo ne	Ward	Name/Location of Play Ground
13	177	L.H.nagar III cross street
13	177	Sastri nagar IV cross street
13	177	Ramakrishna nagar I main road, Erikarai road
13	177	Indra Gandhi nagar III street
13	177	Telephone colony II main road
13	177	Kakkan nagar II cross street
13	177	Shawwalace colony II street
13	177	Andal nagar II main road
13	177	New NGO colony, II main road
13	177	Dr.Ambedkar nagar I main road
13	178	Ram nagar north extn. I street
13	178	Ram nagar VII main road
13	178	Padmavathy nagar extn. main road
13	178	Ram nagar I street
13	178	Bhel sakthi nagar main road
13	178	A.G.S. Colony VI main road
13	178	Jaganathapuram I main road
13	178	AGS colony V cross street
13	179	Seethapathy nagar III cross street
13	179	Tansi nagar VI street
13	179	Baby nagar II main road
13	179	Seetharam nagar I street
13	179	Pillayar koil street, Annai Indra nagar
13	179	Sachidanantha nagar, Sanjay garden
13	179	SPIC Nagar
13	179	Shanthi I cross street
13	179	VGP selva nagar I main road
13	179	Bethal avenue
13	179	Ramagiri nagar II street
13	179	VGP selva nagar, Bethel avenue main road
13	180	Nehru street, Kanagam

Zone	Ward	Name/Location of Play Ground	Zone	Ward	Name/Location of Play Ground
13	181	Lakshmi puram, Muthulakshmi salai	14	169	Sheela Nagar 1st street
13	181	Rukmani street, Kalakshetra main road	14	183	AGS Colony, Beach
13	181	Vaigai Street	14	183	Jaganathan Street
13	181	Thirumurugan II Street	14	183	A.G.S. Colony, ECR 2nd street
13	181	Thirumurugan III Street	14	187	Sendhuran Colony 3rd Street
13	181	C.G.E Colony	14	189	Kamakotti Nagar 5th Street, Junction of 4th Street
13	181	Besant Nagar XXIX Cross Street	14	189	V.G.P Shanthi Nagar Santhosh Street
13	182	Thiruvalluvar Nagar VII Cross Street	14	189	Kamakoti Nagar 6th cross street, North side
13	182	Thiruvalluvar Nagar 44th Cross Street	14	189	Kamakoti Nagar 6th cross street, South side
13	182	Thiruvalluvar Nagar VI Main Road	14	189	Kamakoti Nagar 9th cross street, South side
13	182	Thiruvalluvar Nagar VII Main Road	14	190	Kovalan street
13	182	Valmigi Nagar 69 th Street	14	191	Gandhi Street, Jalladianpet
13	182	Valmigi Nagar Extn., IV Seaward Road	14	191	Pallavan nagar
13	182	Kurunji Appartments			
14	169	Balaji Nagar 24th street			

5.2 Tsunami

Tsunami is a giant waves, initiated by a sudden change, usually in relative position of underwater tectonic plates or in other words a tsunami is a series of waves with a long wavelength and period (time between crests) and time between crests of the wave can vary from a few minutes to over an hour. The sudden jerk is enough to propagate the wave; however, its power can be enhanced and fed by lunar positioning and boundaries that focus its energy.

5.2.1 Tsunami in Bay of Bengal

The Indian coastal belt has not recorded many severe tsunamis in the past. Waves accompanying earthquake activity have been reported over the North Bay of Bengal. During an earthquake in 1881 which had its epicenter near the Andamans in the Bay of Bengal, tsunamis were reported. The earthquake of 1941 in Bay of Bengal caused some damage in Andaman region. This was unusual because most Tsunamis are generated by shocks which occur at or near the flanks of continental slopes. During the earthquakes of 1819 and 1845 near the Rann of

Kutch, there were rapid movements of water into the sea. There is no mention of waves resulting from these earthquakes along the coast adjacent to the Arabian sea, and it is unlikely that Tsunamis were generated.

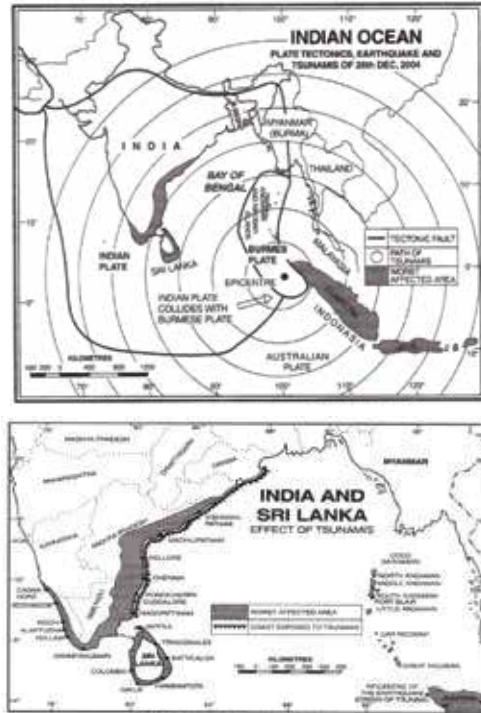
A list showing the Tsunami that affected Indian coast in the past is given in Table. The information given in the Table for the first three events is sketchy and authenticity cannot be confirmed except the Tsunami of 26th December 2004. Above facts indicate the coastal region of Gujarat is vulnerable to Tsunamis from great earthquakes in Mekran coast. Earthquake of magnitude 7 or more may be dangerous. It may be noted that all earthquake do not generate Tsunami.

5.2.2 Tsunami Hits in India

S.No	Year	Affected area / locations
1	April 12, 1762	1762 Eq. in the Bay of Bengal generated tsunami wave of 1.8 m in coastal Bangladesh
2	August 19, 1868	Earthquake Mw 7.5 in the Bay of Bangal. Tsunami wave run-up level at Port Blair, Andaman Island 4.0 m
3	December 31, 1881	Earthquake of magnitude Ms 7.9 in the Bay of Bangal, reported tsunami run-up level of 0.76m at Car Nicobar, 0.3m at Dublat , 0.3 m at Nagapattinam and 1.22 m at Port Blair in Andaman Island
4	1883	Karakatau, volcanic explosion in Indonessia. 1.5 m tsunami at Chennai, 0.6 m at Nagapattinam.
5	1884	Earthquake in the western part of the Bay of Bengal. Tsnamis at Port Blair & mouth of Hoogly River
6	June 26, 1941	Earthquake of magnitude MW 8.1 in the Andaman Sea at 12.90 N,92.5o E. Tsunamis on the east coast of India with amplitudes from 0.75 to 1.25 m. Some damage from East Coast was reported.
7	November 27, 1945	Mekran Earthquake (Magnitude Ms 8.3). 12 to 15 M wave height in Ormara, 13 m at Pasni, and 1.37 m at Karachi (Pakistan) . In Gulf off Cambay of Gujarat wave heights of 11.0 m was estimated, and 2 m at Mumbai, where boats were taken away from their moorings
8	December 26, 2004	An earthquake of rear Magnitude (MW9.3) generated giant tsunami waves in North Indian Ocean. Tsunmai made extensive damage to many coastal areas of Indonesia, India, Malaysia, Maldives, Srilanka and Thailand. A trans-oceanic tsunami, observed over areas beyond the Ocean limit of origin. More than 2,00,000 people lost their lives in above countries which is a record.

5.2.3 Tsunami in Chennai

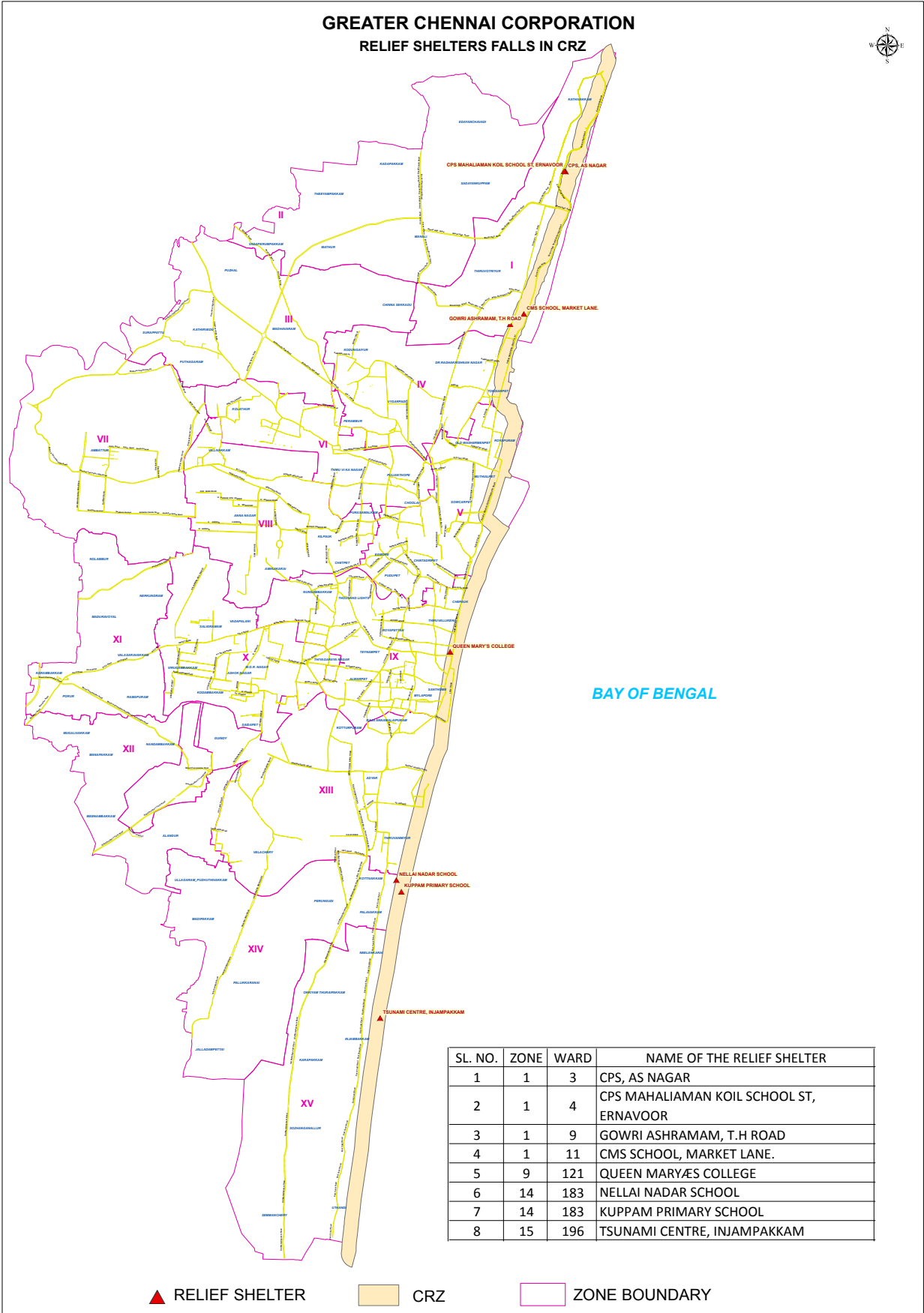
Earthquake of magnitude 9.2 on the Richter's scale in 2004 in Indonesia is the second largest earthquake ever recorded which caused tsunamis which are considered to be the most catastrophic in the living memory of the inhabitants of the coastal areas of India. This earthquake had its epicenter off the coast of Sumatra in Indonesia at 3.5° north latitude and 95° east longitude.



This place happens to be at the tri-junction of the Indian, Australian and Burmese (Myanmarese) plates. Tsunami attack coastal areas of mainland of India including Tamil Nadu, Andhra Pradesh and Kerala after travelling more than 2,000 km in a short span of about three hours. Of these three states, Tamil Nadu suffered the most. The largest number of deaths was reported from Nagapattinam, Kanniyakumari, Cuddalore and Chennai districts.

The location of relief shelters within Coastal Regulation Zone in Chennai city are shown in the following map. These relief centres should be avoided to house the tsunami victims.

**GREATER CHENNAI CORPORATION
RELIEF SHELTERS FALLS IN CRZ**



SL. NO.	ZONE	WARD	NAME OF THE RELIEF SHELTER
1	1	3	CPS, AS NAGAR
2	1	4	CPS MAHALIAMAN KOIL SCHOOL ST, ERNAVOOR
3	1	9	GOWRI ASHRAMAM, T.H ROAD
4	1	11	CMS SCHOOL, MARKET LANE.
5	9	121	QUEEN MARYÆS COLLEGE
6	14	183	NELLAI NADAR SCHOOL
7	14	183	KUPPAM PRIMARY SCHOOL
8	15	196	TSUNAMI CENTRE, INJAMPAKKAM

▲ RELIEF SHELTER ■ CRZ □ ZONE BOUNDARY

5.2.4 Tsunami preparedness measures

- Organise camps in schools, colleges and public for awareness of do-s and don't s for earthquakes.
- Ensure availability of disaster management plans and first aid kits in all schools, colleges and public buildings.
- Identify safe schools and colleges located atleast 500 m away from High Tide Level which can be used as relief shelters.
- Ensure that all critical life saving equipment are maintained and ready to use.
- The open places alike parks, playgrounds may be identified for assembling the people.
- Ensure that safe buildings in the corporation area are identified for purpose of relief camps.
- Develop plan for hospital preparedness and mass casualty management.
- Prepare a database of registered private hospitals, clinics, diagnostic labs, blood banks, etc. along with their capacities and facilities provided.
- Ensure availability of adequate supply of life saving equipments and drugs, portable supplies like portable oxygen cylinders, portable x-ray machines, triage tags, etc.
- Prepare for quick deployment of home guards, relief teams and volunteers for providing safety to affected population and evacuated structures/ houses.

Greater Chennai Corporation is increasingly taking a proactive approach to deal with disaster risk reduction. Based on the State Disaster Management Perspective Plan 2018-2030, and in addition to the measures highlighted in chapters of this document, GCC is outlining its priorities and actions moving forward which will be modified/updated annually.

6.0 UNDERSTANDING DISASTER RISK

“Disaster risk management needs to be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics and the environment”

- Sendai Framework for Disaster Risk Reduction 2015-2030

Understanding disaster risk is the first priority of the Sendai Framework. Risk assessment, risk mapping, alert systems and risk communication play a very important role in understanding the risks caused by different disasters. Better understanding of the risks strengthen the efforts of different stake holders to be better prepared to avoid the risks and in cases where avoidance is not feasible, mitigation measures can be targeted with precision to reduce the impacts of the risks as well as enhance the resistance of the community to risks. Greater Chennai Corporation is working to strengthen the capacity of different stakeholders for understanding the risks.

6.1.1 Risk Assessment and Mapping

Risk Assessment and mapping play a very critical role in enhancing preparedness during pre-disaster phase, strengthening response measures during the disaster phase as well as in undertaking preventive and mitigation measures during post disaster phase. The Government of Tamil Nadu aims to strengthen current Risk Assessment efforts with GIS based tools, advanced 3D models generating systems and Big Data analytics along with digital mapping of vulnerable areas as detailed below.

6.1.1.1 Real Time Flood Forecasting and Spatial Decision Support System for Adyar, Cooum, Kosasthalaiyar Rivers and Kovalam Basins

In order to address the recurrent urban floods in Chennai and its peri-urban areas, the Government of Tamil Nadu will be undertaking a study and implement a “Real Time Flood Forecasting and Spatial Decision Support System for Greater Chennai Corporation and the river basin areas of Adyar, Cooum, Kosasthalaiyar Rivers and Kovalam” to forecast flooding and help prepare various stakeholders and government agencies involved in risk reduction as well as prepare the community. The entire basins of Kovalam, Adyar, Cooum and Kosasthalaiyar will be studied

for their hydrology along with street flooding patterns in urban local bodies such as GCC, Tambaram, Pallavaram, Sembakkam, Pammal, Anakaputtur, Poonamallee, Avadi, Ambattur, Thiruvallur and Thirverkadu Municipalities.

Real-time Telemetry / GPRS network of stations such as Automatic Weather / Automatic Rain Gauge stations, Online lake inflow and outflow meters, River flow level meters will be installed in the entire basin areas of Cooum (489.32 Sq.km), Adyar (1162.46 Sq.km), Kosasthalaiyar (1949.32 Sq.km) and Kovalam (472.75 Sq.km) etc. The project envisages over 100 Automatic weather station (AWS) / Automatic Rain Gauge (ARG) as per the National Disaster Management guidelines of 1 in every 4.0 sq.km within the Greater Chennai Corporation. The estimated cost for this hardware as well as setting up of Control Rooms will be around Rs.15.00 to 20.00 crores, which is proposed to be funded under World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP). As per the State Disaster Management Perspective Plan, the project will be completed within a period of 30 months.

6.1.1.2 Mapping of Flood Prone River Basins by Unmanned Aerial Vehicle

Tamil Nadu Government in association with Anna University has launched an Unmanned Aerial Vehicle (UAV) for Photogrammetric Mapping of flood affected districts at a cost of Rs. 7.01 crore. UAV will perform efficient surveys for disaster-prone or physically inaccessible areas by providing aerial images and accurate pictures of the water courses in the River Basins. In addition separate studies involving LIDAR systems will generate Digital Evaluation Models of the major rivers of the State Viz., Cauvery, Adyar, Kosasthalaiyar, Cooum and Kovalam. These studies will be carried out by PWD and Greater Chennai Corporation.

The UAV will undertake Aerial Photogrammetric mapping of the river basins in Chennai and adjoining districts along with 0.5km to 1km areas on either side of the main river course and its tributaries and distributaries. River basins in Thiruvallur and GCC include Araniyar, Kosasthalaiyar and its tributaries, and Cooum in Chennai; while in Kancheepuram and GCC the river basins include Adyar, Kovalam in Chennai, Palar and its tributaries in Palar, and Ongur in Varahanadhi.

The study will provide inputs for identifying the location of dams, missing links of canals and ensure possible opportunities for interlinking of watercourses. Using

UAV, the images captured will be pre-processed, stitched and converted into useful maps for the understanding of river basins and watercourses to initiate flood and drought mitigation measures.

6.1.1.3 Storm Surge Model

Chennai has a coastline of 19 KM and it faces lower storm surge heights (around 3m) compares to the southern parts of Tamil Nadu which have faced storm surges exceeding 6m above the current sea level. Storm surges are a major threat to the fishing community damaging their livelihood support.

In order to predict storm surges on real-time basis, the Government of Tamil has proposed to develop Storm Surge and Tsunami Modelling for Tamil Nadu with the help of IIT Madras. The real-time simulation model will identify the areas that are likely to be inundated during the storm surges and provide effective visualization models taking into account IMD forecast so as to strengthen early warning and response systems during the disaster phase and develop mitigation strategies during post-disaster and pre-disaster phases in subsequent years. The storm surge model will also assist in the development of appropriate structures to reduce risks and non-structural measures to avoid the risks, reduce the risks as well as enhance resistance of the community and the state to storm surges.

6.1.1.4 Integrated Coastal Zone Management plan for Tamil Nadu

Integrated Coastal Zone Management (ICZM) is a dynamic, multidisciplinary and iterative process to promote sustainable management of coastal zones. It takes into account the full cycle of information collation, planning, decision making, management and monitoring and evaluation of implementation. ICZM refers to the integration of a wide variety of objectives depending on the stakeholder and also to the integration of the many instruments needed to meet these objectives. The key deliverables for the Government of Tamil Nadu of the project are:

6.1.1.4.1 Land Use Mapping of the Entire Coastal Stretch of Tamil Nadu

The land use features are mapped from the merged product of CARTOSAT - I and RESOURCESAT (IRS P6 LISS IV) data duly supported by ground truth and Cadastral maps (at 1: 5,000 scale) from Survey and Land Records Department of Government of Tamil Nadu. The land use classification followed the Coastal

Land Use classification scheme developed by Space Application Center (SAC), Ahmedabad and Ministry of Environment, Government of India.

6.1.1.4.2 Coastal Vulnerability Mapping

The combination of the wave and storm surge often inundate the coastal zone, especially when the coastal area is low lying. The conditions worsen under tsunami conditions. Wave and hydrodynamic modelling were carried out to arrive at highest water level which may be expected at the various locations along the coastline of Tamil Nadu. The MIKE 21 SW model has been used for wave transformations studies under the fair weather as well as cyclonic conditions. The 30 to 40 years of data will be used to identify 'flood level' and that was superimposed on the digital elevation data of the coast to find out the degree of inundation/ flooding under such adverse condition. Based on these flood levels coastal vulnerability maps are prepared.

6.1.1.5 Tamil Nadu System for Multi-Hazard Potential Impact Assessment and Emergency Response Tracking (TN -SMART)

The Government of Tamil Nadu will put in place a System for Multi-Hazard Potential Impact Assessment and Emergency Response Tracking (SMART). TN SMART is being developed in collaboration with the Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES) an Inter-Governmental Organization registered with the United Nations based in Bangkok. This system will be integrated with the other systems being developed with the help of GIS technology. TN-SMART will offer following services to strengthen risk governance.

- A dynamic risk assessment system to assess the potential impacts of the weather forecast issued by India Meteorology Department.
- An ensemble forecasting platform comprising of forecast products from various global and regional center for reference purposes.
- A robust verification mechanism (metaanalysis) platform to critically evaluate the performance of all the forecast products and forecast based impact scenarios, a "real-time system of evaluating the predictions with reference to the actual situations".

TN-SMART initiative is in line with World Meteorological Organization's Global

Framework for Climate Services, i.e. development and application of climate services to assist decision-making for addressing climate-related risks.

Risk assessment and impact assessment components are driven by the forecast and site-specific thresholds derived from the historical records of extreme events and hazards. The tool would capture the risk and the corresponding potential impact. NDEM (National Database for Emergency Management) developed by the National Remote Sensing Center (NRSC) which has inbuilt national level GIS datasets will be integrated with State Data Base for Emergency Management (SDEM) & TN-SMART. TN-SMART will assist in forecast and analysis, risk mapping and assessment, also act as a data management system for managing and processing weather, disaster risks and emergency response resources data for use during the different phases of disasters.

6.1.1.6 GIS Cell

Geographical Information System (GIS) technology is extensively used for generation of pre-monsoon preparedness maps for mitigation and management of floods during northeast monsoon. The maps showing waterbodies, vulnerable locations, evacuation & relief shelters, evacuation area, NDRF Team & boat locations had been created and published in GCC's Disaster Management Plan.

In addition to the monsoon preparedness maps, the real time inundation maps were created during northeast monsoon in coordination with GCC Control Room which is also available as archives in the web applications.

At present, the GIS Cell of Greater Chennai Corporation has developed an exclusive GIS web portal and mobile application for visualizing the pre-monsoon preparedness related data in addition to maps created for preparing GCC's Disaster Management Plan. The mobile application has the facility to collect the data from the field and the same can be visualised in the map view of web application for better management for officials of GCC. The collected data is being used for data analytic and decision making aspects to aid in solving the disaster related challenges of Chennai city in a smarter way.

The web and mobile application user credentials have been provided to the respective officers of GCC.

6.1.1.7 Data Analytics for Risk Assessment

Big Data Analytics can play a significant role in strengthening management during different phases of the disaster. Data analytics enables real-time data analysis not only to map the most disaster affected areas, but also to uncover hidden patterns, unknown correlations and other vital information to make decisions and issue alerts before disaster onset and thereby help in effective preparedness, risk communication, response, relief & build back better strategies. The descriptive, predictive and prescriptive analytics will be used in multiple ways to handle disaster management more effectively.

6.1.1.8 Leveraging Technology to Enhance the Efficiency of Disaster Risk Management Efforts

Technology will be leveraged as a key to planning sustainable and disaster resilient infrastructure and systems. Satellite based/aerial photogrammetry based GIS system and computer simulation for vulnerability mapping will be the basis for strengthening disaster preparedness and response. State Disaster Response Network, a State wide electronic inventory of specialist and essential resources for disaster response will be established by the Government of Tamil Nadu to strengthen the efforts during preparedness and response.

6.2 Risk Communication

Communicating risks to the community plays a very critical role in minimising the risk of loss of lives and moveable properties. Dissemination of information in time is a major challenge requiring investments in state of the art technologies. Government of Tamil Nadu being committed to minimize loss of lives and damages to public and private properties will strengthen risk communication by embracing new technologies besides strengthening existing technologies as noted below. Greater Chennai Corporation will also advance risk communication.

Currently, a Flood Control Room (District Emergency Operations Centre or DEOC) is setup at Greater Chennai Corporation which is coordinating with the State Emergency Operations Centre (SEOC). New tools for risk assessment will be utilized for generating vital information during pre-disaster and during disaster phases to effectively communicate the risks to community as early as possible. The SEOC and DEOC are equipped with multi communication facilities like VHF,

mobile telephony etc. The Government of Tamil Nadu has provided support to GCC to ensure that operations will be disaster proof by adding wireless communication sets, internet telephony, Ham radios, satellite radio etc., so that communication is uninterrupted even during power outages. In addition, a dedicated Public Relation Officer/Assistant Public Relation Officer will be posted in the Control Room for media management. The Officer will collect data and details of relief operations from the field for press release as detailed earlier.

6.2.1 Early Warning System

Tamil Nadu has made tremendous progress during post Tsunami period in terms of getting real time information on weather events and seismic activities. The State has a well-equipped SEOC that gets information on significant events from various agencies and presently disseminates information through multiple channels to the DEOs which in turn inform to various line departments and first responders and the communities. However limitation of the present system of information is that while gathering of critical information at State level and its dissemination to the districts is very fast, the dissemination from district level to the community in remote location gets delayed due to absence of an integrated information dissemination system. Therefore a State of the Art End-to-End Early Warning System is being implemented in Tamil Nadu.

In addition, the National Centre for Coastal Research and the Government of Tamil Nadu has signed an MoU for the operationalization of the Coastal Flood Warning System for Chennai (CFLOWS-Chennai), which has been developed for Chennai. The Chennai Flood Warning System, a project initiated by the office of the Principal Scientific Advisor (PSA) was developed as a multi-institutional project involving IIT-Bombay, IIT-Madras, IRS-Anna University, and the Ministry of Earth Sciences institutes IMD, National Centre for Medium Range Weather Forecasting (NCMRWF) and Indian National Centre for Ocean Information Services (INCOIS). It is a WebGIS based decision support system developed for the Greater Chennai Corporation (GCC) area and is a first of its kind in the country for urban flood mitigation operations. All the thematic datasets such as administrative boundaries, flood locations, boat locations, relief shelters, evacuation areas, water bodies, etc. were provided by GCC and were invaluable in developing the decision support system. CFLOWS-Chennai is an excellent example of utilization of science and technology for disaster mitigation operations.

The integrated system involves coupling models of regional weather forecast, hydrological/catchment, hydraulic regime of rivers, urban drainage/overland flow, tide and storm surge. The developed expert flood forecasting system has six major components, which are connected to each other and all the connections are automated through real-time forecast, monitoring and data sharing. The components are: A) Regional Weather Forecasting and Modelling B) Tide and Storm-Surge Modelling C) Monitoring of flows using sensors D) Upstream Hydrologic Modelling E) Flood Modelling F) Integration, Data Bank Generation and Forecasting of Flood Inundation with Visualization.

6.2.2 Satellite Telephony

Satellite connections do not depend on land-based telephone wires or cellular towers and are capable of providing a full range of communications services, including voice, video and broadband data. Even when disasters strike, these networks can be used to provide seismic and flood sensing data to government agencies, to enable early warning of an impending situation and broadcast disaster-warning alerts and facilitate general communication and information flow between government agencies, relief organizations and the public. Satellite telephony in Greater Chennai Corporation is active.

6.2.3 Internet Telephony

Internet telephony allows voice calls and other services like fax, SMS and other voice messaging applications to be transmitted using the internet as a connection medium. The Government of Tamil Nadu has a state-wide area cable network offering internet facilities. Internet telephony connectivity will be established to ensure that during disasters communication is disseminated without interruption.

7.0 INVESTING IN DISASTER RISK REDUCTION FOR RESILIENCE

“Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the economic, social, health and cultural resilience of persons, communities, countries and their assets, as well as the environment. These can be drivers of innovation, growth and job creation. Such measures are cost-effective and instrumental to save lives, prevent and reduce losses and ensure effective recovery and rehabilitation”

- Sendai Framework for Disaster Risk Reduction 2015-2030

Investing in disaster risk reduction for resilience is the third priority area of the Sendai Framework. The Government of Tamil Nadu will create a Disaster Mitigation Fund for undertaking disaster risk prevention and reduction through structural and non-structural measures to enhance the economic, social, health and cultural resilience/resistance of persons, communities and the state’s assets, as well as the environment. The Government of Tamil Nadu will further encourage the involvement of the community, civil societies and the private sector to partner with the government in its efforts to transform vulnerable areas to resilient areas. The government will also promote-

- Tools for incorporating disaster risk considerations in cost-benefit analysis, budgetary tools and information systems.
- Sector based guidelines for the implementation of disaster risk management policies for public investment.
- Guidelines for the evaluation of investment projects, including tools and requirements for disaster risk management and climate change adaptation analysis in addition to Environmental Impact Analysis and compliance to regulatory requirements in fragile ecosystems and other general regulations.
- Tools for analyzing natural hazards in public investment projects.
- Developing and enforcing risk analysis criteria in private and public investment system regulations.
- Compendium of best practices

Greater Chennai Corporation is allocating necessary resources, including finance and logistics for the development and the implementation of disaster risk reduction strategies policies, plans and regulations in all relevant sectors with the active participation of the community and collaboration with different stakeholders. GCC has made investments in integrated storm water drain networks, recharge wells, and in our waterbodies, among others. The details are explained in Chapter 9.

7.1 Involvement of Private Sector

The private sector will be brought together on a common platform to strengthen disaster resilient investments, particularly through: structural, non-structural and functional disaster risk prevention and reduction measures in vulnerable areas and in critical facilities and building better from the start to withstand hazards through proper design and construction, including the use of the principles of design innovation and the standardization of Building Codes and materials; retrofitting and rebuilding; and taking into account economic, social, structural, technological and environmental impact assessments. Greater Chennai Corporation has been working with the private sector to restore waterbodies. GCC has signed MoUs with various NGOs and the private sector.

7.2 Non-Structural Measures

As part of the non-structural measures the Government of Tamil Nadu will promote the mainstreaming of disaster risk assessments into land use policy development and implementation, including urban planning, land degradation assessments and housing for the poor and the use of guidelines taking into account anticipated demographic and environmental changes. The Government of Tamil Nadu will also encourage the adoption of National Building Codes and Standards, rehabilitation and reconstruction practices.

7.3 Social Inclusion

Government of Tamil Nadu is known for welfare policies and is a pioneer in protecting and promoting the interests of the vulnerable sections be it women, weaker sections, children or differently abled. The design and implementation of inclusive policies and social safety-net mechanisms will be further strengthened, including community involvement, integration of livelihood enhancement programmes, access to basic health care services, including maternal, newborn and child health, sexual and reproductive health, food security and nutrition, housing and education

and find durable solutions in the post-disaster phase to empower and assist people (currently) disproportionately affected by disasters to be resistant to risks. Greater Chennai Corporation will continue its efforts to ensure the welfare of the vulnerable sections of our society.

7.4 Mainstreaming Disaster Risk Concerns

Mainstreaming disaster risk reduction into development plans strengthens risk reduction strategies by ensuring that new projects will incorporate measures to reduce existing risks and will ensure that new risks do not arise due to implementation of the new projects.

- On-going schemes and projects of the Ministries and Departments of Government of India and Government of Tamil Nadu as well as of all Government agencies and Institutions, including Public Sector Undertakings, will be mandated to mainstream disaster risks into the schemes and projects for ensuring that they address the disaster risk and vulnerabilities of the local areas and enhance the capacity of the community to resist disaster risks.
- At conceptualization or funding stage itself, the developmental schemes will be designed taking into consideration potential hazards associated with it and incorporate measures for mitigation of the same.

Greater Chennai Corporation will partner with relevant stakeholders and work toward mainstreaming disaster risk reduction.

Major areas identified for mainstreaming risk concerns into developmental plans

During the period 2017-2030, the Government of Tamil Nadu will focus on major thrust areas for mainstreaming risk concerns into development plans taking into account risk reduction as an essential investment to promote sustainable and inclusive development.

The major thrust areas identified are as follows.

1. Natural Resources Conservation,
2. Comprehensive River Basin development,
3. Restoration & Sustainable Management of Ecosystems,
4. Social Inclusion.

The convergence and mainstreaming of risk concerns into these major thrust areas will enhance resilience/resistance of the community and the city to different disasters. GCC is already advancing efforts to address the relevant thrust areas. Some of the efforts include desilting of waterbodies, tree planting, rainwater harvesting, artificial recharging of groundwater, and rainwater harvesting audits, among others.

Mainstreaming concerns of disaster into development plans will be undertaken by the District Disaster Management Agency in Chennai and by the Commissioner of Revenue Administration & the State Relief Commissioner at the State level to ensure participation of relevant stakeholders and full engagement of all state institutions. The overall direction of mainstreaming of risk concerns into development will be provided by the Tamil Nadu State Disaster Management Authority.

8.0 STANDARD OPERATING PROCEDURES

The City starts its preparedness in the month of September every year. This includes clearing of water bodies, storm water drains, removal of floating materials, strengthening the bunds, preparing relief centres, common kitchen, stopping road cut works, pruning of trees etc. A detailed discussion on each areas are discussed in the following paras.

8.1 Preparedness of water ways and water bodies

GCC will remove water hyacinth and floating materials from canals maintained by them periodically, using floats on annual maintenance basis well in advance to maintain un hindered water flow and to control the mosquito menace.

Sl.No	Measures before Monsoon	Actions to be taken during rain
1	Chute Pipe Cleaning.	Examine manhole cover to be in good condition.
2	Inlet chamber cleaning of sands / Debris near the chute pipe.	Continuous cleaning of garbage in chute pipe / inlet chamber / vertical gratings.
3	Missing link of storm water drain to be constructed and covered with precast slab.	Ensure the flow of water from road to SWD to monitor periodically by inspection.
4	Ensuring the network connection of SWDs	Pump / Motor can be used to maintain
5	Every year SWD to be cleaned	Block in SWDs to be cleared by motor / sucker lorry if necessary
6	Tools materials like, cow-bar, Manhole lifting hook, rope, FRC door cover slab, kept ready for use.	Keep open the manhole cover of SWDs so as to drain water more with safety precaution sign around the manhole cover.
7	Repair in SWD structure to be attended.	Make temporary kutchra drain to drain out water from higher level to lower level on emergent situation.
8	Street joints of SWD to be ensured.	If needed enlarge the chute pipe.
9	Garbage removal around bins to be done.	Providing Barricade, sign board for diverting traffic in the above places.
10	Manhole cover to be in good condition, damaged one to be replaced.	Flow of water inside the SWD is periodically monitored to ensure that the water is running full capacity inside the SWD.

Sl.No	Measures before Monsoon	Actions to be taken during rain
11	Removal of Debris / silt inside the SWDs.	The SWD at its joining point with canals and rivers is frequently checked for removal of any blocks at the draining point with rivers and canals.
12	Streets where SWD require cleaning	<p>Diesel / Submersible pumps are provided in the needed location to drain out water in SWDs.</p> <p>Road cut may be done in order to drain more water with safely sign boards.</p>

8.2 Water stagnation locations

In city various water stagnation locations were identified in all zone 1 to 15. The list of mild, moderate, heavily inundated area, streets likely to be inundated and the areas where the people are to be evacuated are given in detail in each zone chapters. Strict vigil is maintained in these areas. From those areas stagnated water to be disposed to the particular disposal points like storm water drain and canal. The table shows the preparedness of Water stagnation locations in pre monsoon and during rain.

Sl.No	Measures to be taken before rain
1	RWH structures to be cleaned and refilled.
2	Chute pipe should be cleaned.
3	De-silting of disposal points and Storm water drains/canals.
4	Keep JCB, Bulldozers, cranes, pumps and super sucker Lorries ready.
5	Provide inlet chambers and pipe connections to the existing nearest drain.
6	De-silt storm water drains.
7	Break the top slabs and desilt the SWD where chronic obstruction is noted and cover with precast slab.
8	Missing link of storm water drains to be constructed and covered with precast slabs.
9	Available machineries/pumps to be checked and kept in ready condition. A log book to be maintained by AEE regarding the same.

8.3 Preparedness of Relief Centers

The GCC has identified and notified around 197 relief centers across the city keeping in mind the vulnerability of areas prone for inundation and need for eviction. The community halls, schools and public buildings are identified to act as relief centers. The details of relief centers locations, contact persons are given in there respective zonal chapters.

The relief centers are to be provided with safe drinking water, toilet facilities, lighting arrangements, food packets, bread and Aavin milk for children, senior citizens, differently abled persons are also to be kept in readiness in the relief centers. The action plan for relief centers before and during rain is discussed in the following table.

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> Clean the relief centre 	<ul style="list-style-type: none"> Ensure regular supply of water by CMWSSB
<ul style="list-style-type: none"> Surrounding area should be cleaned 	<ul style="list-style-type: none"> Ensure adequate water available in sump and water tank
<ul style="list-style-type: none"> Necessary arrangement of water facilities by deploying CMWSSB 3000 Ltrs tanks. 	<ul style="list-style-type: none"> Ensure the Toilets are cleaned regularly
<ul style="list-style-type: none"> Clean sump and water tank 	<ul style="list-style-type: none"> Cooking should be done regularly and food supplied
<ul style="list-style-type: none"> Clean Toilets 	<ul style="list-style-type: none"> Ensure the sufficiency of cooking gas.
<ul style="list-style-type: none"> Clean Vessels/Gas Stove 	<ul style="list-style-type: none"> Groceries & vegetables to be purchased.
<ul style="list-style-type: none"> Ensure supply of Cooking gas. 	<ul style="list-style-type: none"> Vehicle arrangements with sufficient labourers for food distribution to all required places.
<ul style="list-style-type: none"> Availability of lights/ fans to be ensured. 	<ul style="list-style-type: none"> Light and fan to be operated
<ul style="list-style-type: none"> Medical facilities 	<ul style="list-style-type: none"> Spraying of disinfectant.
<ul style="list-style-type: none"> Cooking staff should be arranged 	<ul style="list-style-type: none"> Supplying food to affected people.
<ul style="list-style-type: none"> List of provision materials/ vegetables to be purchased during rain to be kept ready. 	<ul style="list-style-type: none"> Receive VVIP's / VIP's / NGO's at relief centre and explain to them.
<ul style="list-style-type: none"> Identification of place for storage of provision materials/ vegetables 	
<ul style="list-style-type: none"> Keep ready Vehicle arrangements with sufficient labourers for food Distribution to all required places. 	

<ul style="list-style-type: none"> Light, Fan Switches to be tested 	<ul style="list-style-type: none"> Be polite towards the people.
<ul style="list-style-type: none"> Generator to be provided. 	<ul style="list-style-type: none"> Garbage removal must be continuous.
<ul style="list-style-type: none"> Assessing the requirements of food / Bread / Milk 	<ul style="list-style-type: none"> Station ambulances where ever possible.
<ul style="list-style-type: none"> Instruction should be given to all staff at the relief centre to ensure the quantity and quality of food etc. 	<ul style="list-style-type: none"> Distribute relief material in a systematic manner
<ul style="list-style-type: none"> Ensure temporary electric arrangements to be kept always ready to operate during power failure. 	<ul style="list-style-type: none"> Ensure police bond bust
<ul style="list-style-type: none"> Ensure good sanitation in and around the relief centre by fogging, cleaning etc. 	
<ul style="list-style-type: none"> Inform police and Fire and Health, Metro water about the location of relief centre. 	<ul style="list-style-type: none"> Keep record of food distribution and relief material distribution.
<ul style="list-style-type: none"> Deploy Police 	

8.4 Common kitchen

The Corporation maintains 3 dedicated common kitchen centers with a capacity to cook 5000 food packets per hour, at Chintadripet, Basin Bridge, and Gopalapuram.

All these common kitchens were stacked with required quantities of rations / provisions and cooking materials well before on set of monsoon. The vehicles will be kept ready in all these kitchens to transport the food to the affected areas and relief centers.

In each common kitchen one Sanitary Inspector will be posted round the clock to monitor food preparation & food hygiene. Temporary food centres will also be set up in private marriage halls depending on the gravity of situation. Assistant Revenue Officers are put in charge to prepare the required quantity of food for common kitchen/relief centre kitchen.

To supplement above arrangements the food from Amma Unavagam also will be lifted to the affected areas. Aavin will be requested to supply milk to the flood affected children and aged persons. Supply of Bread will be arranged from modern food industries. The supply of drinking water will be arranged from Amma Kudineer and by CMWSSB.

8.5 Subways

There are 22 subways in Chennai city of which GCC maintains 16 subways (Sl.No. 1 to 16) and 6 subways (Sl.No. 17 to 22) are maintained by Highways

department. The details of locations of subways are given in the respective zonal chapters. The 16 subways maintained by GCC are running for surplus for the passenger in different location and the subways in Chennai are given below.

1. Ganesapuram subway, at Dr.Ambedkar College Road to the East of Vyasarpadi Jeeva Railway Station.
2. Reserve Bank Subway at RajajiSalai Near Reserve Bank of India.
3. Stanley Nagar Subway 1 along Cochrane Basin Bridge Road South of Stanley Nagar near Post Office.
4. Stanley Nagar Subway 2 along Cochrane Basin Bridge Road South of Stanley Nagar near Post Office.
5. Perambur Subway at Perambur High Road to the West of Perambur Railway Station.
6. Gengu- Reddy Road Subway at Egmore near Nehru Park.
7. In Redhills Road at Villivakkam LC-2.
8. Nungambakkam Subway near Nungambakkam Rly. Station.
9. Harrington Road Subway near Pachaiyappa's College.
10. Dheeran Sivalingam Subway connecting Doraisamy road and BrindavanRaod.
11. Madley Subway connecting Madley road and EaswaranKoil Street on Southern Side of Mambalam Railway Station.
12. Thyagi Aranganathan Subway connecting Kannammappet and Reddikuppam Road.
13. Saidapet Bazaar Road Subway.
14. C.P. Pavalavannan Bridge in Jones Road.
15. In Monegar Choultry Road near stanley hospital.
16. Pedestrian cum two wheeler subway at Rangarajapuram level crossing.
17. St. Thomas Mount Subway.
18. Thillai Ganga Nagar Subway.
19. Palavanthangal Subway.
20. Jain College, Meenambakam Subway.
21. Viyasarpadi Subway.
22. Kathivakkam High Road Div- 2 Subway.

These subways are equipped with pump sets to bail out water from the

subways. Depending upon the necessity, pump sets from Agriculture Engineering Department, Fire Service Department and Private Sources will be deployed. The preparedness of subways before monsoon and steps to be taken during the monsoon are described in the following tables.

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> • Clearance of garbage and sand in the subway and surrounding areas 	<ul style="list-style-type: none"> • The Diesel engines/electric pumps to be kept at an elevated level/platform.
<ul style="list-style-type: none"> • Remove rank vegetation. 	<ul style="list-style-type: none"> • Ensure that all regular and stand by pumps are kept in working condition
<ul style="list-style-type: none"> • Cleaning of chute pipes/inlet chambers in the subway. 	<ul style="list-style-type: none"> • Keep sufficient stock of diesel, petrol, oil, grease.
	<ul style="list-style-type: none"> • Keep GENSET in ready condition.
Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> • De-silting collector well. 	<ul style="list-style-type: none"> • Ensure Starting handle availability.
	<ul style="list-style-type: none"> • Check condition of foot valve /suction valve.
<ul style="list-style-type: none"> • Disposal channel to be de-silted and free flow in its route to be ensured 	<ul style="list-style-type: none"> • Check the metallic rope in pump.
	<ul style="list-style-type: none"> • Carryout trial run of pumps.
<ul style="list-style-type: none"> • Service lanes in subway to be cleaned. 	<ul style="list-style-type: none"> • Mark danger water levels in red paint on both sides of subway above which the subway should be closed for traffic.

Preparedness of Manpower in the Subway

Action to be taken during rain	
<ul style="list-style-type: none"> • Operate the pumps as and when required. 	<ul style="list-style-type: none"> • Ensure stock of POL.
<ul style="list-style-type: none"> • Closely watch the inlet /chute pipe. 	<ul style="list-style-type: none"> • Continuously operate the pumps.
<ul style="list-style-type: none"> • Remove choking if any found. 	<ul style="list-style-type: none"> • Check the water disposal at the outlet.
<ul style="list-style-type: none"> • Check the hose pipe and ensure that it is intact. 	<ul style="list-style-type: none"> • Ensure the movement of traffic in the subway.
<ul style="list-style-type: none"> • Ensure the traffic movement without hindrance. 	<ul style="list-style-type: none"> • Caution the two wheelers riding in subway.
<ul style="list-style-type: none"> • Monitor the water level and to inform the higher level officer and submit a report every two hours. 	<ul style="list-style-type: none"> • Do not to allow senior/ disabled people to cross the subway.

- | | |
|--|---|
| <ul style="list-style-type: none"> Photograph the subway to ascertain its status and to ensure traffic movement and share through WhatsApp. | <ul style="list-style-type: none"> Close the subway if water in the subway is above the danger mark normally more than 3 feet at the lowest level. |
|--|---|

Action if Subway is flooded to the brim

- Operate reserve pumps and submersible pumps to control water level in the subway.
- Put heavy duty pumps to suck out water.
- Have two (or) three disposal points.
- Keep sufficient lorries, JCBs, dozers and men for removal of silt, garbage and floating materials etc., in the subway once rain stops.

Action if Subway is flooded to the brim

- Keep sufficient lorries, JCBs, dozers and men for removal of silt, garbage and floating materials etc., in the subway once rain stops.
- Supervisory Officer to monitor the water level and to inform the status to the higher official.
- Keep de-silting the outlet points in case of block.

8.6 Tree fall

The Preparedness of tree falls includes pruning of trees, anticipation of the uprooting of trees during cyclone etc. Vehicle mounted saws and power saws are kept ready in all zones 1 to 15 to cut and remove the fallen trees on the roads and the following measures to be taken before rain and during rain.

- i. Keep sufficient labourers to attend tree falls in wards.
- ii. Sensitize the conservancy labourers to report the tree fallen in streets to Assistant Engineer.
- iii. Keep private contractors with tree cutting tools and vehicles for removal of dead trees and slanting trees if regular staff is not available.

Preparedness of Tree Fall in City.

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> Inspect BRR and other roads to assess the stability of trees and low branches 	<ul style="list-style-type: none"> Keep in close contact with Control Room, traffic, law & order, fire dept. and TANGEDCO to know about the tree falls.
<ul style="list-style-type: none"> Form teams with Park overseers, vehicles, labours & equipments & deploy them 	<ul style="list-style-type: none"> Immediately reach the spot with vehicles.
<ul style="list-style-type: none"> Keep the following equipment with specific area jurisdiction <ol style="list-style-type: none"> Manual Saw. Power Saw. Vehicle Mounted Saw. JCB, Open lorry, Crane etc., Sufficient stock of POL, Finalise Private contractor. Ropes - sufficient length Temporary Barricades Temporary lighting arrangements. 	<ul style="list-style-type: none"> Electric lines to be switched off
<ul style="list-style-type: none"> Conduct trail run of manual and Power operated saws 	<ul style="list-style-type: none"> Make use of conservancy, road and malaria labourer to cut the branches
<ul style="list-style-type: none"> Attend complaints for removal of trees and branches. 	<ul style="list-style-type: none"> Deploy JCB, Crane, Bobcat and Open Lorry to remove the branches and trunks
<ul style="list-style-type: none"> Trees at low level touching overhead TANGEDCO line to be reported 	<ul style="list-style-type: none"> First priority is to restore traffic movements
	<ul style="list-style-type: none"> Deploy Private Contractors where ever required to clear fallen trees
	<ul style="list-style-type: none"> Providing suitable barricades to protect the unstable trees
	<ul style="list-style-type: none"> Report the road blocks and tree removal to the Head Office with WhatsApp Photos stage wise

8.7 Transport equipment /Lorries

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> Inspect lorry stations and keeping it ready for operation. 	<ul style="list-style-type: none"> Ensure 100% march out for conservancy
<ul style="list-style-type: none"> Instruction to be given to the time keeper and other field staff to maintain reserve of diesel, oil and spare materials related to repair works and maintain 24 x 7 operation. 	<ul style="list-style-type: none"> Tree cutting and debri clearance
<ul style="list-style-type: none"> Have contact details and address of Lorry driver and Mechanic. 	<ul style="list-style-type: none"> Clear garbage without accumulation.
<ul style="list-style-type: none"> Engage private contractor if needed. 	<ul style="list-style-type: none"> Deploy JCB / Lorries & Bobcat wherever necessary.
<ul style="list-style-type: none"> Necessary purchase of important items like tyres, spare parts etc to be done in advance. 	<ul style="list-style-type: none"> Ensure continuous fuel supply
<ul style="list-style-type: none"> Lorries / JCBs / Bobcats to be kept in good condition 	<ul style="list-style-type: none"> Send water tanker lorry to suck out water stagnation.
<ul style="list-style-type: none"> Instruction to be given to Lorry station A.E to monitor the vehicle condition and to inform the higher official to plan for shifting the Vehicles from Low Lying Area to high land. 	<ul style="list-style-type: none"> Procure POL to supply to Health dept vehicle and for fogging Machine.
<ul style="list-style-type: none"> Planning of lighting arrangements and mobilisation of DG Set 	<ul style="list-style-type: none"> Keep drivers at Night time also.
<ul style="list-style-type: none"> Keep reserve drivers. 	<ul style="list-style-type: none"> Engage contractors to attend repair works immediately.
<ul style="list-style-type: none"> Planning of lighting arrangements and mobilisation of GENSET 	<ul style="list-style-type: none"> Engage private contractors if necessary.
<ul style="list-style-type: none"> Sufficient mechanic / helpers for vehicle repair and maintenance. 	<ul style="list-style-type: none"> Drivers allocation plan to be prepared and informed proactively to drive the vehicles
<ul style="list-style-type: none"> Inspect lorry stations and keeping it ready for operation. 	<ul style="list-style-type: none"> High capacity HP pumps to be kept at ready state
	<ul style="list-style-type: none"> Contact RTO in case of more lorry required.

8.8 Preparedness of Streets

8.8.1 Preparedness of Streets do not require evacuation

During every monsoon GCC will identify vulnerable spots in all zones and action will be initiated to dispose the rain water through storm water drain into river, canal etc. The precautionary measures to be taken are as follows.

- i. Stock sand bags in Ward offices and in important streets.
- ii. Keep ready pumps with required capacity to pump out water entering in to houses.
- iii. Instruct public to clean the RWH structures in the private premises and GCC to clear RWH structures within their jurisdiction.
- iv. Advising house owners to increase the height of low lying area within their compound to match with road level and their basement.
- v. Identify dilapidated buildings and alert people who are living there.
- vi. Identification of place for dumping Debris.
- vii. Engaging the Private Contractor with necessary machineries to remove debris in case of building collapse.
- viii. Mobile Super Sucker & Pumps to pump out water.
- ix. Identify the location and route through which water can be pumped out.

8.8.2 Preparedness of Streets require evacuation

During heavy flood occurred in the year 2015, people evacuated from various locations were accommodated in relief centres/public buildings provided with basic amenities in all the zones. The following section gives the detailed action plan for evacuation in different circumstances

a) Streets where Rivers/ Lakes/ over flow and need evacuation:

- i. Monitor river levels and releases from upstream
- ii. Arrange mobile public address system for announcement of evacuation, inform media and through other possible sources.
- iii. Making necessary transport arrangements to evacuate.
- iv. Stock sand bags along the canal, lake and river bunds.
- v. Mobilize mobile lighting system.

- vi. Heavy (giant) pumps to be kept ready.
- vii. Identify Relief Centres for street wise evacuation.
- viii. Keep the relief centres ready with water supply, toilets, sanitation, medicines, food & lighting facilities.
- ix. Make arrangements for cooking food.
- x. Supply from Ammaunavagam
- xi. Assess numbers to be evacuated at R.C.
- xii. Ambulance, boats with life jacket medical team, Police escort, NDRF to be kept ready.
- xiii. Sufficient staff and labourers to be trained and posted.
- xiv. JCB /Cranes /Bulldozers and other machineries to be procured and kept ready.

b) Air Lifting Operations:

- Deployment plan for airlifting in the whole area
- Food supplies through Air craft
- Necessary fuel to be kept at RC
- Gas operated emergency lights to be rented / procured.
- Necessary financial arrangements to be made to meet out unforeseen expenditure.
- Prior information to nearest UPHC / private hospitals to handle casualties during rain .
- Burial grounds to be equipped with fuel and labourer arrangements and approaches. Gas burners / Gen sets to be kept ready.
- Divers and swimmers team to be made available.
- Sufficient rain coats to be made available.
- Special team of conservancy to clean the floating garbage / debris / etc round the clock.
- Fire service to be alerted.

c) Inundated Streets

- i. Chute pipes / water table to be de-clogged regularly & water to be kept flowing.
- ii. De-silting the disposal point periodically.

- iii. Use brush to clear water
- iv. Ensuring the sufficient number of super sucker/sewer lorries and pumps are mobilized and deployed to drain water.

d) Streets where water entering houses

- i. Power should be disconnected.
- ii. Piped water to be stopped
- iii. Mobile water supply to be arranged
- iv. Prior announcement to be made to safeguard household materials and to move upstairs.
- v. Manpower for relief material distribution.
- vi. Alerting people in dilapidated buildings
- vii. Deployment of Fire service, SDRF and NDRF to evacuate people through boats regularly. Arrange food to those who are stranded upstairs.
- viii. Garbage cleaning to be done
- ix. Cleaning of sumps with Bleaching powder and filling fresh water before starting same.
- x. Applying of lime and bleaching powder
- xi. Snake catchers to be put into job.
- xii. Silt, debris/rubbish etc., removal in the streets.

e) Streets where Rivers/ Lakes/ over flow and Need evacuation

- i. Use sand bags to prevent overflow.
- ii. Issue warning to evacuate low lying areas as soon as you anticipate overflows.
- iii. Deployment of rescue teams to help the public evacuate.
- iv. JCB/ bulldozers/ cranes/ lorries to be deployed to spot immediately.
- v. Fumigation and application of disinfectants / powders in the affected area.
- vi. Continuous monitoring of materials available.
- vii. Alternate substitute staff / labourers to be kept ready with prior training.
- viii. Medical camps to be available round the clock.
- ix. Deploy boats to evacuate and distribute food and water for people.
- x. Deploy helicopter for air dropping of supplies and evacuation

8.9 Lighting facilities

At the time of disaster most of the operation will be taken place on 24x7 as like war period. Therefore establishing alternate sources of lighting is a prerequisite in all areas. Eighteen mobile high mast lights are deployed in all zones in case of power cut during flood and cyclone, these light shall be used. The following table shows the preparedness of lighting facilities in monsoon period.

Preparedness of Lighting Facilities

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> • Inspection of all street lights. 	<ul style="list-style-type: none"> • Check street lighting at nights and attend in case failure.
<ul style="list-style-type: none"> • Replace the damaged street light poles and report. 	<ul style="list-style-type: none"> • Check lighting in parks and public convenience
<ul style="list-style-type: none"> • Ensure lighting facilities in streets, relief centres, UPHC & officers. 	<ul style="list-style-type: none"> • Ensure the operation of substation in wards.
	<ul style="list-style-type: none"> • Electrician labourers to be kept ready during night times
<ul style="list-style-type: none"> • Details of one of more private contractors for providing temporary power supply and lights to be maintained. 	<ul style="list-style-type: none"> • Night patrolling of street lights.
	<ul style="list-style-type: none"> • Instruction to be given to electrical in-charge for preparing duty arrangement.
	<ul style="list-style-type: none"> • Engaging private contractor for arrangements of DG set .
<ul style="list-style-type: none"> • Keep sufficient labourers to attend complaints regarding lighting. 	<ul style="list-style-type: none"> • Power Supply.
	<ul style="list-style-type: none"> • Run DG set in case of power failure in Relief campus/ UPHC/ govt offices/ schools.
<ul style="list-style-type: none"> • Cables on the streets to be checked 	<ul style="list-style-type: none"> • Keep sufficient bulbs/ tube lights ready.
<ul style="list-style-type: none"> • Rectify low lying TANGEDCO cables. 	<ul style="list-style-type: none"> • Keep stock of emergency lights.
<ul style="list-style-type: none"> • Rectify open broken TANGEDCO pillar boxes. 	<ul style="list-style-type: none"> • Put up emergency lights to rescue operation in high time.
<ul style="list-style-type: none"> • Rectify open broken TANGEDCO pillar boxes. 	<ul style="list-style-type: none"> • Keep ready candles in bulk.
<ul style="list-style-type: none"> • Keep POL in ward / Zonal Offices. 	<ul style="list-style-type: none"> • Plan for utilization of solar panels.
<ul style="list-style-type: none"> • Inspection of all street lights. 	<ul style="list-style-type: none"> • Keep Gen-set in BG's to operate lighting arrangement also.

8.10 National Disaster Response Force/ State Disaster Response Force

The relief teams from National Disaster Relief Force (NDRF) are also pressed into service for urgent relief operations. The services of coast guard are requested in the event of very heavy flooding.

NDRF

The Commandant, 04, Battalion (NDRF), Suraksha Campus, Takkolam, Arakkonam, Vellore District – 631 152 : **Contact. 04177 – 246594/246269**

The State Disaster Response Force (SDRF) has been constituted and stationed at Commando Force Head Quarters, Adyar. The Commissioner, Greater Chennai Corporation will request for the assistant of SDRF/NDRF in case of any disaster.

The NDRF to be stationed in the designated locations & deployed to needy points for commencing evacuation operations. A detailed mentioned about housing of NDRF/SDRF and pre positioning locations are discussed in each zone. The following are the precautionary measures to be taken before rain:

- i. Identified vulnerable places should be informed to NDRF for pre positioning the force. Contact with commandant to deploy in vulnerable areas in case needed.
- ii. Identify station place to accommodate them.
- iii. Procure fuel for them.
- iv. Joint inspection with NDRF / SDRF/ QRT
- v. Accommodate NDRF in chosen place. Deploy them in selected location for evacuation and supply of food to victims.

8.11 Health Department Support

At the time of any disaster preparedness medical facilities is more important to save the people from various infections and diseases. In GCC there are 238 Medical Officers and 1,043 Paramedical Staff working at 152 health centers and a Communicable Diseases Hospital. 3 Medical Teams focused in each zones to give medical care during the flood emergency period round the clock. Whenever flood relief camps are opened, Medical officer, Paramedical Staff and Sanitary Inspector will be posted round the clock to ensure Health, Hygiene and sanitation of the affected population. The following Preparedness are given to control the disease at the time of disaster.

1. Essential medicines have to be stocked in adequate quantity in all the Urban Primary Health Centers and Communicable Disease Hospital. At Present 2 month's stock of disinfectants and medicines are available in each zone. At any moment procurement of necessary requirement of disinfectants and medicines can be purchased from TNMSC within a week's time.
2. All the diarrheal infected patients in the Communicable Diseases Hospital are to be intimated to the respective Zonal Health Officers to take appropriate preventive and control measures immediately in their residential areas.
3. Adequate quantity of bleaching powder, chlorine tablets and phenyl are stocked at Unit Offices and Stores. Adequate resources are available for maintaining hygiene and sanitation in a flood situation in the flood prone areas.
4. Spraying with MLO is being carried out in all the water stagnation places once in a week. The frequency of this should be increased depends on the ground reality. 568 sprayers are engaged for this activity.
5. The potential sources of contamination of water such as sewage overflow is being identified and it will be intimated to the Metro water engineers for appropriate action. Joint inspection with Zonal Health Officers and Metro water officials are being conducted regularly.
6. Both during and after any disaster, outbreak of epidemics is a major fall out. A strong health support system would largely mitigate this situation. Considering the fact, the respective Sanitary Inspectors are to take up the anti mosquito fogging in all the streets and anti larval spraying for storm water drain networks and canals periodically.
7. The concerned sanitary officers and sanitary inspectors will ensure residual chlorine of 0.2 to 0.5 ppm in drinking water supply in co-ordination with CMWSSB staffs. Distribution of bleaching powder to individual houses to clean the overhead tanks and sumps to avoid water contamination.
8. Vector control activities will be carried out by the Entamologist in all the zones.
9. The zonal health officers are to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers are to co-ordinate with conduction of health camps at required habitations.

The following table shows the Preparedness of action taken for disease control in monsoon period.

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> Assess the streets where spraying of disinfectant needed. 	<ul style="list-style-type: none"> Sector ALO work to be done
<ul style="list-style-type: none"> Keep sufficient lime/ bleaching powder in S.I Office. 	<ul style="list-style-type: none"> Fogging to be done
	<ul style="list-style-type: none"> Spray disinfectant in water logged streets.
<ul style="list-style-type: none"> UPHCS to be kept ready 	<ul style="list-style-type: none"> Supervise sector programme.
	<ul style="list-style-type: none"> Chlorine level to be maintained.
	<ul style="list-style-type: none"> Fogging operation to be intensified.
<ul style="list-style-type: none"> Sector ALO work to be strangled. 	<ul style="list-style-type: none"> Analysing the trend of diseases in UPHCS – op
	<ul style="list-style-type: none"> Administer DT Vaccination to employees.
<ul style="list-style-type: none"> Intensify fogging activities. 	<ul style="list-style-type: none"> Give bleaching powder to each family.
	<ul style="list-style-type: none"> Spray disinfectant to all streets.
<ul style="list-style-type: none"> Clean SWD blocks 	<ul style="list-style-type: none"> Check chlorine level in all water lorries.
	<ul style="list-style-type: none"> Put up medical camps in relief centre, low laying areas, disease prone areas.
<ul style="list-style-type: none"> Procure drugs for UPHC 	<ul style="list-style-type: none"> Mobilize doctors to the needed location with vehicles.
	<ul style="list-style-type: none"> Arrange food for the medical team,
<ul style="list-style-type: none"> Distribute Mask hand cloves / boot to labours. 	<ul style="list-style-type: none"> Keep the BGs in open and ensure labourers availability there.
	<ul style="list-style-type: none"> Give masks, hand cloves, boots to sanitation employees.

The Health Department in GCC will be geared up with the following activities.

- i. Intensify Activities for control against Dengue and Other Communicable Diseases
- ii. Source Reduction activities to be intensified mainly in Hospitals, Schools, Colleges, Railway Yards, Vacant plots, New Construction sites, domestic sources, etc.
- iii. IEC Activities to be carried out by audio and video measures at all Hot spot areas, Hospitals, Schools, Colleges, Government institutions, Slums and places where people gather.
- iv. Distribution of Nilavembu Kudineer to the General Public.
- v. Protective gears like Gloves, Mask, Shoes, Over Coat to be provided for workers who are involved in anti – mosquito activities.
- vi. Health application to be developed for fever notification, patient details for follow activities and treatment, control centre.

8.12 Veterinary Support

The GCC conducts Mass Veterinary Camps in collaboration with Tamil Nadu University for Veterinary and Animal Sciences 30 Camps (two per Zone) will be conducted. The following activities are undergone for veterinary support.

- i. Treatment of Large Animals and Small Animals
- ii. Anti-rabies Vaccination and Deworming
- iii. Distribution of Nutritional supplements for pet animals
- iv. Distribution of Nutritional supplements for large animals
- v. Distribution of free mineral mixture/ salt licks
- vi. Distribution of green fodder
- vii. Distribution of Paddy Straw at subsidized rate of Rs. 2/Kg @ Perambur and Pudupet Cattle depots

The GCC will form Animal Rescue Teams, one for each zone to support the animals at the time of disaster. The composition of rescue teams are as follows.

1. One Veterinarian
2. Two Animal Attendants

These rescue teams with the help of Dog Catching Vehicles and Cattle Catching Vehicles will conduct animals health camps. The dead animals found on roads, streets, water bodies will be disposed by carcass and buried at Kodungaiyur

and Perungudi dumping yards following sanitary measures.

The GCC have arranged the Emergency Animal Rescue stations for the purpose of treatment. Table shows the details of Cattle and horse Rescue Stations.

Rescue Station for Cattle & Horses (Domestic Animals)

Sl. no	Hospital Name	Place	Contact No.
1.	Greater Chennai Corporation 'G' Cattle Depot	Perambur	9445197444
2.	Greater Chennai Corporation 'D' Cattle Depot	Pudupet	9445026046
3.	Government Veterinary Hospital	Saidapet	04424352478
4.	Government Veterinary Hospital	Tondiarpet	04424892536
5.	TANUVAS Veterinary Hospital	Vepey	04425304000
6.	Blue Cross Animal Rescue Centre	Velachery	04422300666

Rescue Station for Dogs, Cats & Birds (Pet Animals)

Sl. no	Hospital Name	Place	Contact No.
1.	Greater Chennai Corporation Pet Clinic	Thiru .Vi.Ka.Nagar	9445026042
2.	Greater Chennai Corporation Pet Clinic	Nungambakkam	9445194747
3.	Greater Chennai Corporation Pet Clinic	Kannammamet	9445026049
4.	Greater Chennai Corporation Animal Rescue	Centre Lloyds Road	9445194746
5.	Greater Chennai Corporation Animal Rescue	Centre Basin Bridge	9445026047
6.	Government Veterinary Hospital	Saidapet	04424352478
7.	TANUVAS Veterinary Hospital	Vepey	04425304000
8.	TANUVAS Peripheral Veterinary Hospital	Madhavaram	04425551586

8.13 Role of Financial Advisor

Arrangements shall be made to disburse advance amounts to the Zonal Officers, Head of the Departments, Officer in charge of the Relief Centres and other officers for carrying out relief works.

Arrangements shall be made to function the Treasury of Greater Chennai Corporation, including holidays, to disburse advance amounts, to the Zonal Officers, who are involved in the flood relief works.

8.14 Role of Public Relations Officer

On receipt of warning message from the Control Room, all arrangements shall be made to warn the people living in the low-lying areas to move to relief centres in advance.

Arrangements shall be made to communicate the messages of the Commissioner to the public through medias. PRO shall also publish press release about the relief activities that are under taken by GCC to build confidence and subdue panic among the public.

8.15 Ward Committee

The ward committee is formed for each ward by drawing officials from various departments to work in close coordination. The objective of forming such ward committee is to ensure co-ordinated mitigation work in the field without lapse of time.

Defining the role of line departments is very essential and should play a supportive role to ensure smooth functioning of the Entire Disaster Management Operation. The duties and responsibilities of staffs/ officials of ward committee are described as below. Table shows the responsibilities for the various designation in the ward committee. The composition of ward committees with contact details mentioned in detail in the respective zones.

Responsibilities of Officials

Designation	Responsibilities
Assistant Engineer/Junior Engineer, GCC	Removal of water stagnation on roads & subways, desilting SWD and cleaning chute pipes, arranging pumps for dewatering, evacuating people at times of flood and providing them food
Assistant Engineer/Junior Engineer, GCC– Electrical,	Inspecting & replacing the non-burning street lights, alternate arrangement for lighting during power failure
Sanitary Inspector, GCC	Ensuring the proper sanitation for the zone, Anti mosquito fogging on all the streets and anti-larval spraying for storm water drains and canals, spraying disinfectant on streets
Veterinary officer, GCC	Animal health issues and disposal of dead animal carcass
Conservancy Inspector, GCC	Clearing of garbage and spreading the lime powder around the bins debris
Assistant Revenue Officer, GCC	Ensuring the readiness of common kitchen, food materials and drinking water in the relief centres during evacuation at time of flood
Park Overseer, GCC	Removal of fallen trees/branches and pruning of trees.

Assistant Engineer, TANGEDCO	Proper maintenance of the electric cables, ensuring 24x7 power supply, attending to cable faults
Assistant Engineer/Junior Engineer, CMWSSB	Ensuring proper water supply and removing sewer blocks.
BSNL	Assuring uninterrupted communication & attending to faults
Fire Service	Rescuing people from burning and from collapsed buildings
Police	Maintaining law & Order, patrolling the areas for protecting people & property
PWD	Desilting of canals and rivers
TNSCB	Providing the basic amenities to the slum tenements

These ward committees have to look after any kind of emergency or disaster occurrence in the ward. The preparedness of ward committee during the disaster time is show in the table below.

Preparedness for Inter department coordination

Measures before Monsoon	Actions to be taken during rain
<ul style="list-style-type: none"> Conduct co-ordination meeting at Zonal / Regional / Ward level. 	<ul style="list-style-type: none"> Assemble at one point and monitor it.
<ul style="list-style-type: none"> Familiarize with line departments. 	<ul style="list-style-type: none"> Inspect jointly the vulnerable areas.
<ul style="list-style-type: none"> Discuss the issues with line departments 	<ul style="list-style-type: none"> Deploy machineries at required location.
<ul style="list-style-type: none"> Conduct co-ordination meeting with line departments. 	<ul style="list-style-type: none"> Joint inspection
<ul style="list-style-type: none"> Inspect jointly the vulnerable areas 	<ul style="list-style-type: none"> Deploy JCBs. dozers to clear garbage in canals and culverts.
<ul style="list-style-type: none"> Request the service departments to keep the logistics in good condition 	<ul style="list-style-type: none"> Communicate the need to service department
<ul style="list-style-type: none"> Request PWD, Highways department to clean SWDs/ Canals and De-silting it. 	<ul style="list-style-type: none"> Co-ordinate with service dept.

8.16 Other Departments Mitigation Plan

The civic and essential services to the public in Chennai city is being provided by various departments independently. Unless there is effective coordination plan with other departments preparedness, relief and rehabilitation of affected people

will not be done effectively. The Commissioner, GCC will conduct regular meetings with the Head of Departments before monsoon. The role of each department with regards to monsoon preparedness is described in the following table.

S. NO	DEPARTMENT	MITIGATION PLAN
1	Meteorological Department	To issue periodical weather warning before 24 or 48 hours and cyclone alert at the appropriate time. The rainfall details, wind speed and duration will be periodically updated for the city. GCC will also discuss with Meteorological Department well before monsoon to assess the intensity of forthcoming monsoon.
2	Chennai Metropolitan Water Supply and Sewerage Board	To avoid major road cuts during monsoon period and the road cuts done hitherto to be restored well in advance before commencement of monsoon. To replace all the missing sewer manhole covers. To display sign boards incase of unavoidable road cuts are made with a view to prevent pedestrians and vehicles from falling into the sewer and barricade the areas wherever necessary To ensure working conditions of sewerage pumping stations and to keep generator sets in pumping stations. Injection of necessary quantity of chlorine into drinking water supply line. Announcement to the public through Mass Media regarding the need for chlorination in private wells. Erection of water tanks at relief camps and flooded areas where the regular supply is stopped.
3	Director of Information and Public Relation	To disseminate the forecast and publish periodically about mitigative actions under taken by Greater Chennai corporation.
4	Public Works Department	Removal of sand bars at river mouth of Cooum, Adyar and Muttukadu to ensure free flow of flood water into sea from water ways. To procure adequate quantity of sand bags and to be kept ready. Desilting of water bodies, clearing of debris /floating materials/ garbage/ hyacinth maintained by PWD. Clearing of culverts, vents under the bridges. The level and discharge from Chembarambakkam Tank, Puzhal tank, Redhills shall be updated to GCC Control Room. The flow level of rivers and discharge quantity at mouth shall be intimated to Control Room. Perennial issues like debris under MRTS bridge along Central Buckingham Canal, widening mouths of Coovum, Adyar, Kosasthalaiyar and B canal at Muttukadu shall be addressed in advance. One representative shall be nominated to work in the Control Room of GCC during monsoon period for coordination.
5	Highways & Rural Works Department	Blockages below the culverts/ Bridges along the water ways has to be removed. Storm water drain in highways road to be de-silted. Manholes, chute pipes should be checked. Patch works should be attended. Footpaths shall be rectified. Pruning of trees shall be carried out.

S. NO	DEPARTMENT	MITIGATION PLAN
6	Tamil Nadu Electricity Board	To attend the faults, check transformers and pillar boxes to avoid electrocution. To vigil open LT lines in extended areas of GCC. Power supply to be cut off during flooding, if required.
7	Fire Service Department	To keep rescue teams with necessary machineries, tools, equipments, boats etc at designated locations. Readiness to commence evacuation and rescue operations in case of marooning of people.
8	Telephone Services	To ensure disruption of free service of important telephones of Greater Chennai Corporation and other Departments. Immediate temporary installation of connectivity facility may be made on request at certain important places like relief camps etc. The generators within their premises shall be kept in an elevated location to avoid submergence.
9	Chennai Metropolitan Transport Corporation	To keep buses on road in good condition for transportation of essential commodities of food packets to the inundated and marooned areas. If necessary the vehicles may be provided to evacuate the marooned people preferably high chaced vehicles.
10	M.R.T.S. / Railways	To clear the blockade in rivers, canals beneath the tracks to ensure free flow of water.
11	Chennai Metro Rail Limited (CMRL)	Clearing the blockage of earth and concretes at canals, rivers and beneath of track line.
12	Indian Air Force	Indian Air Force shall get prepared with latitudes and longitudes of marooned areas for dropping food packets and air lifting.
13	Director of Medical Services	To keep ready medicines and ambulances at all Government Hospitals. To spare health personnel for mass inoculation, if required by Greater Chennai Corporation.
14	Director of Public Health	To work in close coordination with GCC for preventive measures have to be taken in advance before the outbreak of epidemics.
15	Tamil Nadu Civil Supplies Corporation Limited	To stock required commodities in all PDS shops.
16	Tamil Nadu Agro Industries Corporation	To supply tractor mounted pump sets with complete suction and lengthy delivery hose pipes.
17	Tamil Nadu Housing Board / Tamil Nadu Slum Clearance Board	To look after relieving of stagnant water, desilting of storm water drain within slum tenements area, clearing debris & garbage.

S. NO	DEPARTMENT	MITIGATION PLAN
18	Fisheries Department	To provide boats and catamarans as and when required by Fire Service Department, Police Department etc. To keep ready the contact details of boat operators engaged in rescue operation.
19	General Officer Commanding Head Quarters	To consider the suggestions made.
20	Director of Veterinary Service	To consider the suggestions made.
21	Greater Chennai Police	The communication equipment shall be installed in the Control Room of Ripon Building. To share informations like traffic clogging due to water stagnation, tree fall, status of traffic flow in subways etc.
22	Army Commandant	Will deploy Army personnel and other resources as and when the situation arises at their command.
23	Director of Ex-Servicemen	They will render assistance in the flood affected areas in the rescue operations.
24	Coast Guard	To render assistance in flood affected areas using their resources in the rescue operations.
25	Red Cross Society	For assisting in the flood affected areas with vehicles, men and materials.
26	Blue Cross, NGO, Volunteers	To render assistance with men and materials.
27	Chennai Metropolitan Development Authority	To consider the suggestions made.
28	Collectors of Chennai, Thiruvallur & Kancheepuram	Flood warning message shall be propagated to public if necessary in cooperation with GCC. Distribution of relief materials incase of huts damages, diseased cases etc. To identify and clear the encroachments.

9.0 ENHANCING DISASTER PREPAREDNESS

“Experience indicates that disaster preparedness needs to be strengthened for more effective response and ensure capacities are in place for effective recovery. Disasters have also demonstrated that the recovery, rehabilitation and reconstruction phase, which needs to be prepared ahead of the disaster, is an opportunity to «Build Back Better» through integrating disaster risk reduction measures. Women and persons with disabilities should publicly lead and promote gender-equitable and universally accessible approaches during the response and reconstruction phases”

- Sendai Framework for Disaster Risk Reduction 2015-2030

Enhancing disaster preparedness for effective response and “Build Back Better” in recovery, rehabilitation and reconstruction comprises is the fourth priority area of the Sendai Framework. Resilience of community, resistance to risks and avoidance of risks requires strengthening and enhancement of preparedness to ensure that the response to different disasters is effective through multistakeholder involvement. It also involves mitigation measures following systems approach.

9.1 Data Analytics for Strengthening Preparedness and Response

Big Data Analytics can play a significant role in strengthening management during different phases of the disaster. Data analytics enables real-time data analysis not only to map the most affected disaster areas, but also to uncover hidden patterns, unknown correlations and other vital information to make decisions and issue alerts before disaster onset and thereby help in effective preparedness, risk communication, response and relief & build back better strategies. The descriptive, predictive and prescriptive analytics will be used in multiple ways to handle disaster management more effectively during different phases of disaster.

9.2 Build Back Better for Rehabilitation and Reconstruction

Though all disasters pose multiple challenges, each disaster throws up new challenges and provides insights into the vulnerabilities even in areas that are considered to be safe. Systems approach sees opportunities in these challenges to build resistance of the communities and transform areas resilient to disasters through innovation, redesigning, retrofitting, capacity building and social inclusion. Government of Tamil Nadu has been facing these challenges and each time

responds by adopting build back better philosophy in the rehabilitation and reconstruction projects. Taking into account the vulnerabilities being faced by Tamil Nadu the build back better strategies through systems approach will focus on different vulnerabilities such as urban floods.

9.3 Collaboration with International and Domestic NGOs

Greater Chennai Corporation has established partnerships through MoUs with international NGOs such as the Rockefeller Foundation funded 100 Resilient Cities, C40 and GIZ, the German Development Agency. These organizations have been supporting GCC's efforts to strengthen resilience building efforts across various projects. Most recently, GCC and 100 Resilient Cities launched the Chennai City Resilience Strategy in June 2019 which features over 80 actions and recommendations that address vulnerable communities, disaster preparedness and planned urbanization, among other issues. GCC has also been collaboratively working with Chennai City Connect, a local NGO, on restoration of waterbodies.

9.4 Command and Control Centre

Command Control Centre is an integrated place for analysing, planning and decision making to deliver secure & healthy environment to citizens. Smart governance through Command and Control Centre (CCC) will improve delivery of services to citizens, businesses and will engage citizens in the process of governance through interaction.

CCC aims to provide a comprehensive view of all the smart initiatives undertaken by Authority with the focus to serve as a decision support engine for city administrators in day-to-day operations, and during disaster management situations. Major components part of the Command and Control Centre implementation are as follows.

- Command and Control Centre in Ripon Building
- Smart Data Centre Solution – Hosted on Cloud
- Smart Sensors for rainfall, environment and flood monitoring across Chennai
- Variable Messaging Board
- City Surveillance System & Disaster Management System
- Mobile Command & Control Centre
- Smart Poles with Public Announcement Systems and Emergency Call Box

- ICT based Smart Solid waste/bin management system
- Integration of Smart Parking system
- Laying & Commissioning of Fibre Network for connecting sensors

9.5 Storm Water Drains

In order to prevent flooding in the city, Greater Chennai Corporation maintains the storm water drain network to a total length of 2071 km comprising of 8835 storm water drain structures. Besides, this, the Greater Chennai Corporation also maintains 31 canals for a total length of 49 km, which include Kodungaiyur Canal, Captain Cotton Canal, Padikuppam Canal.

In accordance with the policy of Greater Chennai Corporation to provide infrastructure facilities to the extended areas on par with the core Chennai city, for avoiding water inundation by safe disposal of rainwater, integrating the available tanks and lakes for disposal of the rainwater, rainwater harvesting and recharging of ground water and improvement in overall hygiene for sound health, the Greater Chennai Corporation has prepared a Detailed Project Report for Kosasthalaiyar, Cooum, Adyar and Kovalam Basin for the length of 1069.40 km of Integrated Storm Water Drain network.

In first phase, Construction of Integrated Storm Water drain in Adyar and Cooum basins, have been completed to a length of 406 Km under World Bank fund under Tamil Nadu Sustainable Urban Development Project (TNSUDP). 7 lakhs people living in Ambattur, Valasaravakkam and Alandur areas have been benefitted.

As far as Construction of Integrated Storm Water Drain in Kovalam basin in M1, M2 & M3 components has to be taken up for a length of 360 Km under KfW fund the German Development Bank. Peoples living in Thoraipakkam, Perungudi, Pallikaranai, Palavakkam, Injambakkam, Karapakkam and Madipakkam, Palavakkam, Kottivakkam, Neelangarai, Injambakkam, Sholinganallur, Kanathur and Uthandi are benefitted.

The construction of Integrated Storm water Drain Network in Kosasthalaiyar Basin to a length of 769 km in Greater Chennai Corporation under Asian Development Bank (ADB) have been taken up and work is in progress. Peoples living in Ambattur, Manali, Madhavaram and Thiruvotriyur are benefitted.

Further as per the suggestions made by flood monitoring IAS Officers and as per DPR prepared by the consultant appointed by TNUFSL storm water drain works have been taken up in core Chennai City in 527 locations under CMCDM and Smart City Fund, for prevention of stagnation of rain water.

Further Government of Tamil Nadu has allocated Rs.25 crore under TURIP fund for demolition and reconstruction of the major dilapidated Arch drains of Konnur High Road and Egangipuram canal and for the construction of storm water drain in the surrounding areas to a total length of 4.18 km and all the storm water drain works have been completed after carrying out the resettlement of the 370 slum families encroached over the Arch drain in the TNSCB tenements.

9.6 Rainwater Harvesting

A critical resilience solution, rainwater harvesting is the accumulation and storage of rainwater for reuse on-site, rather than allowing it to run off. Tamil Nadu is a pioneer in implementing the rainwater harvesting programme in the country. The state was one of the first states in India to make installation of rainwater harvesting structures mandatory for both old and new buildings. This success story of Chennai can be replicated throughout the country as the city's residents have ensured that rainwater is stored rather than adding to the storm water drains. Greater Chennai Corporation and Chennai Metropolitan Water Supply and Sewerage Board have taken steps to strengthen rainwater harvesting across the city.

Restoration and Rejuvenation of Mambalam Canal

Restoration and rejuvenation of Mambalam Canal with retaining walls at required places, landscaping on the vacant lands available on both sides of the canal and provision of interventional modular STPs at various vantage points, adopting new initiatives like floating wetlands etc., will benefit the adjoining area, will give an appealing look to Chennai City.

9.7 Maintenance of Waterbodies and Urban Lakes

There are 210 waterbodies in Chennai city.

Waterbodies / Urban lakes are an intrinsic part of the urban ecosystem. They have traditionally served the function of meeting water requirements of the

people for recharging of ground water, preventing water logging and flooding in neighbourhood. For centuries, these waterbodies played a vital role in ensuring water security to Chennai and its surrounding areas. Now, there is an urgent need to review these waterbodies and rejuvenate their ecosystem, thereby ensuring sustainable water security.

Out of the 210 waterbodies, 5 waterbodies were already restored at a cost at Rs.5.95 crore. Villivakkam Tank which is of 25.5 acres is being taken up for eco restoration and rejuvenation at a cost of Rs. 24 crore and the work is in progress. Once, completed this will serve as big water holding tank for Villivakkam and also will house lots of recreational activities apart from relieving water stagnation at Sidco Nagar area. This is taken up with Smart City Fund.

Another of 47 waterbodies has been taken up under CMCDM scheme. Restoration has been completed in 12 ponds, 35 ponds works are in progress. Restoration of 40 waterbodies has been completed under CSR Fund. Restoration of Murugappakulam under in Zone 1 is in progress under Capital Fund. Restoration of Kadapakkam Lake has to be taken up under ADB's GEF Grant. DEA has to accord clearance and to be forwarded to ADB.

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Hon'ble former Chief Minister "Amma" had announced in the floor of assembly "Sustainable Water Security Mission" in the year 2015 for restoration and rejuvenation of waterbodies and temple tanks.

Out of the 210 waterbodies, 5 waterbodies were already restored at a cost of Rs. 5.95 crore. Villivakkam Tank which is of 25.5 acres is being taken up for eco restoration and rejuvenation at a cost of Rs. 16 crore and the work is in progress. Once, completed this will serve as big water holding tank for Villivakkam and also will house lots of recreational activities apart from relieving water stagnation at

Sidco Nagar area. This is taken up with Smart City Fund.

Another 52 waterbodies are taken up at a cost of Rs. 18.20 crore and the works are nearing completion. Two bigger waterbodies are also proposed to be restored at cost of Rs. 25.29 crore.

The DPR has been prepared for restoration of 55 remaining waterbodies at a cost of Rs. 45.66 crore in the Kosasthalaiyar water basin.

Under CSR initiative 38 waterbodies are taken up for restoration and works are in progress. Balance 57 waterbodies are to be taken up for restoration at a tentative cost of Rs. 50.51 crore and the DPR has been submitted by TWIC.

On completion of all these projects additional 1 TMC of water would be stored in these waterbodies and shall recharge the groundwater table and also relieve the water stagnation in neighbourhoods.

9.8 Maintenance of Canals

Greater Chennai Corporation is maintaining 30 canals for a length of 49 kms. 2 Amphibian Vehicle is used to clean the major canals and 3 robotic excavators are used to clean the canals by removing water hyacinth, rank vegetation, floating materials and de silting. All canals are being cleaned twice in a year. The carrying capacity of the canal has been increased thereby storm water flow capacities of canals are enhanced.

9.9 Urban Floods – A Comprehensive Plan for Chennai

A comprehensive plan for Chennai and peri-urban areas to address the recurring water stagnation, vulnerability in these areas is being prepared. The various mitigation measures that will be implemented are detailed below:

9.9.1 Comprehensive Flood Protection to Minimize Risks in Greater Chennai and its Peri-urban Areas

The rapid urbanisation of Greater Chennai and peri-urban areas falling in the neighbouring Districts of Kancheepuram and Thiruvallur has created huge stress on the existing urban infrastructure and also necessitated the creation of infrastructure anew in the pockets of urbanisation. One of the adverse consequences of the rapid urbanisation is the change in land use pattern resulting in a situation where

new colonies have sprung up on a massive scale in the erstwhile farmlands and waterways of the innumerable waterbodies, that dot the landscape of Chennai, Kancheepuram and Thiruvallur Districts. Greater Chennai and its peri-urban areas are spread over an almost flat terrain along the coastal plains, having an average altitude of only 4.00m to 6.00m above Mean Sea Level. The entire surface runoff drains into the Bay of Bengal only through the outlets namely, Ennore creek on the north, Cooum and Adyar river mouths in the centre and Kovalam creek in the south. The drainage network behind the above outlets formed with natural flood bowls like Ennore backwaters, Pallikaranai marshland and Muttukadu backwaters spread over tidal flats and vast areas of floodplains along the natural rivers, are no longer able to render their functions due to the changes in the land use induced by rapid urbanisation and industrial needs resulting in inundation in the upstream areas. The discharging capacities of the abovedischarging outlets are also under severe stress due to shrinking of the width of the creeks/river mouths and inlets that pass through the marshlands, as a consequence of multiple factors that include

1. Encroachments,
2. Siltation,
3. Change in land use pattern,
4. Existence of naturally formed ecologically sensitive shoals within the creek,
5. Sedimentation due to littoral movements,
6. Accumulation of garbage along the waterways and
7. Increased tide level during extreme weather condition.

The new land use pattern has not only thrown up several challenges for the urban planners but also threw new challenges for disaster management. These new challenges get pronounced during the monsoonal periods since several buildings have been established in the many of the waterbodies, waterways, floodplains and farmlands. Coupled with the rapid urbanisation, the emergence of industrial establishments in the flood bowls and floodplains resulted in disruption of the erstwhile drainage system in the watersheds of the four major rivers traversing the three districts of Chennai, Kancheepuram and Thiruvallur. The disruption of the drainage system has compounded the fragility of the ecosystems such as creeks and marshlands impacting the flood mitigating service rendered by these

ecosystems. The mitigation measures proposed to avert flooding problems in the newly developed areas include

1. Delineation of the flood-prone areas in the fringes of flood bowl and in the flood plains and evolving suitable method for draining the run-off from these areas by constructing flood walls on the boundary of flood bowl /rivers and collection wells for storm water with suitable pumping mechanism to drain the water into the river system.
2. Forming link canals and diversion canals for discharging surplus of tanks into the river system wherever feasible.
3. Where roads have been formed in the erstwhile waterways, cut and cover conduit system will be adopted to ensure proper drainage.
4. Installing decentralized incinerators to dispose the generated garbage effectively instead of the routine practice of dumping those (landfills) in the waterbodies.

The Greater Chennai city and its urban neighbourhoods are spread over the river basins of Kosasthalaiyar, Cooum, Adyar and Kovalam which are connected through the Buckingham Canal formed parallel to the coast in the tidal flats. This system also functions as a unique system for draining surface run off from the isolated water sheds sandwiched in the above 4 basins through the river mouths viz., Ennore creek, Cooum river mouth, Adyar river mouth and Kovalam creek. All these systems will be treated holistically to mitigate the risks for which detailed estimates are being prepared and taken up in a phased manner. The financial requirement is expected to be about Rs.2800 crores.

9.9.2 Integrated Cooum River Eco-Restoration Plan

The Eco-restoration activities (60 subprojects) for a 27.33 km stretch of the river between Paruthipattu and the river mouth are under progress. The stretch of Cooum River in the urban and peri-urban areas of Chennai is being rehabilitated and restored by implementing Cooum River Eco-Restoration Project in which the following works are under progress through the line departments namely PWD, GCC, CMA, DRD, CMWSSB and TNSCB under the coordination of CRRT:-

5. Desilting, demarcation and fixing boundary stones and bio-metric survey and improvements to the river like forming inner canal, providing rip rap cover

for the inner canal with Geo textile fabric base, providing coconut blanket on the river banks to prevent erosion.

6. Solid waste removal, fencing, boom deployment for collecting and removing floating and suspended debris, developing parks, cycle tracks and walkways
7. Solid waste removal, fencing and developing parks
8. Laying interceptors, installing modular sewage treatment plants and UGSS
9. Resettlement and Rehabilitation Plan
10. Mangrove development, flora plantation, community education programmes and monitoring of project implementation.

By implementing the above scheme flood risk mitigation, environmental enhancement and ground water potential improvement are assured. The restoration works were started in 2016 and the Government has accorded Administrative Sanction of Rs 604.77 crores for the short-term phase of the project.

9.9.3 Adyar Basin

9.9.3.1 Ecological Restoration of Adyar Creek and Estuary – 358 acres (Phase I & Phase II)

The Government of Tamil Nadu conceived an ambitious and pioneering project in wetland conservation for the restoration of 358 acres of Adyar creek and estuary. Phase I included restoration activities such as removal of solid waste, increase in tidal interaction and planting of native species of plants which were undertaken in 58 acres of Adyar creek. This area is called Adyar Eco Park. After the completion of restoration activities, this wetland has undergone a remarkable transformation with a sizeable increase in faunal diversity and tidal interaction. The Eco Park today functions as a Centre for Environmental Education and Research Activities. To impart knowledge on the environment to the community, particularly for school children, regular environmental education programmes are being conducted in Adyar Eco Park. The restoration of the Phase II Adyar Creek and Estuary (300 acres) was initiated in 2014. To enhance the tidal interaction and to increase the water spread in the degraded creek debris and sludge were removed along with the removal of exotic and invasive species like *Prosopis juliflora*, followed by bund stabilization. About 35,000 mangroves and 50,000 terrestrial saplings have been

planted. All the project activities have now been completed in total and regular maintenance work is being carried out.

9.9.3.2 Phase III Adyar River Restoration from Origin to Mouth

The Adyar River has been under heavy anthropogenic disturbance for a very long duration and is highly degraded. The Eco-restoration plan for the entire 42 km stretch of the river from Adhanur lake to the River mouth has been prepared and the major components proposed are sewage management, solid waste management, river channel improvement, rehabilitation and resettlement, biodiversity management and riverfront development. The Government has accorded Administrative Sanction of Rs 555.46 crores in July 2017 for the short-term phase of the project.

9.9.3.3 Interlinking of Adyar River and Palar Basin

2015 December floods revealed that the stretch of Adyar River within Chennai urban limits is incapable of discharging the flood of magnitude exceeding 10-year return period. In order to, minimize the risk due to the floods of higher return period, it is being examined the possibility of diverting the flood waters from the upper reaches of the Adyar River through a flood carrier canal with regulatory arrangements from the surplus channels of Sriperumbudur tank to Palar river by connecting the surplus courses of Pillaipakkam tank and Thenari tank (Neenjalnadavu) for which investigations are in progress.

9.9.3.4 Restoration / Formation of the Disrupted Links for the Connection of Minor Irrigation Tanks

The watershed of Pallikaranai marsh land situated in South Chennai Metropolitan limits is having a drainage area of about 225 sq. km. in which 60 and more no. of medium and minor irrigation tanks are situated. Due to the changes in land use pattern for residential and industrial needs, the channels draining the surplus water of these tanks got disrupted. Hence, in order to convey the surplus water of the tanks safely into Pallikaranai marsh land a proposal for restoration / formation of the disrupted surplus channels with open channels, or closed conduits under the roads or combination of both depending upon the present land use is under consideration at a cost of about Rs.1000 crores. In order to avoid inundation in the low lying areas of Tambaram, Mudichur, Perukalathur areas in Adyar Basin, construction of storm water drain for 4400 meters at an estimated cost of Rs.14.5

crores is in progress under CRIDP 2016 – 2017 scheme through Highways and Minor Ports department. Similarly, in other urban areas in Adyar & Kovalam Basin adjoining Chennai, a proposal for forming storm water drains in areas under the jurisdiction of Highways, Rural Development, Municipal Administration and Town Panchayats is contemplated by the respective departments at an estimated cost of Rs.230 crores. The Greater Chennai Corporation will develop integrated storm water drains in the extended areas.

9.9.3.5 Integrated River Restoration for Buckingham Canal, Kovalam & Ennore

To ensure that the river restoration is holistic and comprehensive three separate studies have been commenced for the preparation of DPR for plugging of outfalls, interception and diversion of sewerage, solid waste management and R&R in the major drains draining into the Adyar River and Buckingham Canal. The Ennore and Kovalam Creeks are highly sensitive ecosystems which play a very important part in the ecological, hydrological and social security of the local inhabitants. Due to the burgeoning population in the Chennai Metropolitan Area, the Ennore and Kovalam Creeks are highly degraded by the disposal of wastewater from surrounding ULBs and industries. In this connection, Detailed Project Report (DPR) for Restoration of Ennore Creek and Kovalam Creek has also been initiated.

9.9.3.6 Master Plan for Waterways and Waterbodies in Chennai Metropolitan Area

The Government of Tamil Nadu has announced in the Assembly its plan to restore 42 waterbodies in CMA. Out of 42 waterbodies planned to be restored, CRRT has already completed the preparation of restoration plans for four lakes, namely Chetpet Lake, KilkatallaiEri, ZaminPallavaramPeriyaEri and Pallikaranai NarayanapuramEri. Therefore, the remaining 38 waterbodies are being identified for restoration. To this end, an inventory of tanks and lakes lying within the boundary of Greater Chennai Corporation and those lying outside the boundary of GCC, but within CMA was taken up. This survey identified 200 waterbodies within this area. For the 38 identified lakes, detailed conceptual plans have been prepared. For the remaining waterbodies, baseline data has been collected and detailed conceptual plans will be developed soon and the projects executed in the years to come.

9.9.4 Flood Mitigation measures in Urban areas of Kancheepuram and Thiruvallur Districts

Flood mitigation interventions in both districts will reduce the flood risk in Chennai.

The coastal district of Kancheepuram lies on the western and southern side of Chennai city which spreads over the river basins of Cooum, Adyar, Kovalam, Palar and Ongur. It's entire surface run of drains through rivers namely Cooum, Adyar, Kovalam creek, Ongur and Palar with its tributaries like Vegavathi, Cheyyar, Killiyar, Neenjal Maduvu and isolated independent water sheds of Pallikaranai and Perumbakkam Maduvu draining into sea through Buckingham canal. The rivers in Kancheepuram District are seasonal having floods during the period of heavy rainfall in Northeast Monsoon since the areas close to the coast in the river basins of Kancheepuram like Pallikaranai, Perumbakkam, Tambaram and the urban areas adjoining the rivers are highly prone to inundation during floods due to flat terrain with very low elevations.

The coastal district of Thiruvallur District lies on the western and northern parts of Chennai city which is spread over the river basins of Cooum, Adyar, Araniyar and Kosathalaiyar with its tributaries namely Nandhiyar, Nagariyar and isolated independent water sheds like OtteriNalla, Captain Cotton canal, Kodungaiyur, Redhills etc. draining into Kosathalaiyar through Buckingham canal. The rivers in Thiruvallur District are seasonal having floods during the period of heavy rainfall in Northeast Monsoon since the areas close to the coast in the above isolated water sheds like Manali, Madhavaram, Kolathur, Korattur, Ambattur, Redhills adjoining north Chennai and the urban areas adjoining the rivers are highly prone to inundation during floods due to flat terrain with very low elevations. In order to reduce the flood risk the following intervention in Kosasthalaiyar basin is being implemented and contemplated, among other interventions.

Poondi reservoir, Redhills and Cholavaram tank in Kosasthalaiyar basin are being rehabilitated for an estimated cost of Rs. 10.46 crores under Dam Rehabilitation Improvement Project with World Bank assistance which will also minimise flood risk in North Chennai besides formulating emergency action plan for their flood regulation. It is proposed to desilt to a depth of 1.5 meters in about 50% of the water spread area of the three water model which will minimise flooding problems in the peri-urban areas of North Chennai and also improve the Chennai

water supply position during the drought periods. It is also proposed to form sub-surface storage structures in the peri-urban areas of Chennai in Kancheepuram, Thiruvallur and other Districts to reduce flooding problems and also to improve the Ground Water potential by desilting 34 nos. of tanks deeply below the sill level of their sluices for an amount of Rs.20.51 crore.

9.10 Prioritizing Afforestation

The Vardah Cyclonic Storm which made landfall on 12.12.2016 with a wind speed of 120-130kmph, created a sea of devastation. 17,157 trees were uprooted on the roads and 1,478 trees were uprooted in 304 parks. Greater Chennai Corporation has taken sincere efforts to improve the green cover in Chennai City.

GCC had appointed a technical consultant M/s Care Earth Trust Private Ltd., to prepare a plantation strategy. The main scope of this work was to identify the methodology and evolve strategies to increase the green cover in Chennai City and also to identify species which can survive in the local environmental conditions (Native Trees). As part of this strategy, 23000 tree saplings were planted in Chennai City during the financial year 2018-19 at an estimated cost of Rs. 5.29 Crore.

While restoring the tree cover, priority is accorded to the native species that are known to withstand high gusting winds, along with species that have been indigenized several centuries back. Exotic species that are easily uprooted during high winds will be avoided. Further during the current financial year 2019-20 it is proposed to plant 50,000 tree saplings Chennai City

9.11 Fire Accidents

Chennai is at a very high risk category for fire accidents. The analysis was borne out of assessing the population density, residential built-up area and Industrial areas in these districts. In order to enhance the preparedness of the Fire & Rescue Services Department, the Government of Tamil Nadu has been strengthening the department by procuring modern equipment which can play a significant role in dousing the fires quickly. The Fire Services Training Institute will also be strengthened in the years to come to build the capacity of personnel of the department, as well as act as a nodal agency for building the capacity of First Responders in collaboration with Red Cross and other NGOs.

9.12 Bioshields

Natural disasters like cyclone, tsunami cannot be prevented, but its adverse impacts can be mitigated to a great extent by raising bioshields along the Coast. Bioshields are barriers raised perpendicular to the direction of the wind that is capable of protecting the coastal environment by absorbing the energy from wind, tide and wave action. The coastal sand dunes formed by the action of coastal wind have been stabilized by raising shelter belts. These natural barriers act against coastal disasters and thus protect lives and properties within the coastal zone. It was observed that the intensity of Tsunami was snapped up by a belt of green vegetation and some locations in the path of the 2004 “Indian Ocean Tsunami” escaped almost without damages.

Taking into account the potential of bio-shields in mitigating the risks of nature’s fury, the Government of Tamil Nadu will adopt an integrated approach in restoration and conservation of coastal ecosystems, to promote sustained livelihood and effective coastal protection. Coastal bio-shields besides offering long-lasting solutions are also cost effective. Ennore Creek and Adyar Estuary serve as bioshields.

Furthermore, rapid population increase and urbanization have resulted in increased levels of pollution in cities, towns and the surrounding sub-urban areas. Tree plantations are being raised in the urban and surrounding areas under Chennai’s Plantation Strategy with the objectives of controlling the adverse effects of air, water and noise pollution and improving the aesthetic appearance of these areas and create more lung spaces.

9.13 Climate Change Adaptation Programme

Global warming and consequent climatic change will have deleterious impacts on a host of sectors and climate change induced disasters will be a major challenge for mankind in the years to come. The vulnerability is expected to be very substantial in coastal ecosystems and coastal communities requiring multi-sectoral interventions and multi stakeholder involvement. The Tamil Nadu State Action Plan on Climate Change (TNSAPCC) has identified inter alia, the following seven major vulnerable sectors,

- Agriculture
- Water Resources

- Coastal Ecosystems
- Forest Ecosystems & Biodiversity
- Habitat – Human as well as Animal
- Health
- Public infrastructure

Greater Chennai Corporation is already restoring waterbodies to adapt to the impacts of climate change. In the coming years, climate change adaptation will be one of the major focus areas.

9.14 Green Climate Fund (GCF)

The Green Climate Fund (GCF) was adopted as a financial mechanism of the UN Framework Convention on Climate Change (UNFCCC) to assist developing countries in adaptation and mitigation practices to counter adverse effects of climate change. The Department of Environment, the nodal agency for implementing the TNSAPCC in Tamil Nadu, will coordinate efforts with the concerned line Departments in consultation with the National Bank for Agriculture and Rural Development (NABARD) to submit proposals under GCF. GCC is considering the submission of a project for GCF funding.

9.15 Protection and Restoration of Ecosystems

Ecosystems besides providing essential service of maintaining bio-geo-chemical cycles are also extremely important due to the services rendered by them in flood, drought and other disaster mitigation. All the diverse ecosystems are vital for sustainable development. The Government of Tamil Nadu will endeavour to restore the different ecosystems that have been damaged and restore their vibrancy.

9.16 Conservation of Coastal and Marine Ecosystems

The marine and coastal ecosystems of Chennai are of utmost importance for the overall wellbeing of the region including supporting activities such as fishing, shrimp farming, salt pans, shipping and tourism. The most important ecosystems are the mangroves, estuaries, wetlands, marshes, etc. Despite their immense significance, these ecosystems are being rapidly degraded as a result

of high population growth, unsustainable development, over-exploitation of natural resources, loss of habitat, loss of biodiversity, pollution and climate change. Therefore, there is an urgent need to conserve, protect and restore coastal and marine ecosystems, to secure back the multiple ecosystem services rendered by them. The Government of Tamil Nadu proposes to continue schemes for protection and conservation of important wetlands like Pallikaranai in 2017-18 and the coming years.

9.16.1 Eco-Restoration of Interface Ecosystems

The interface ecosystems are very heterogeneous and include macrotidal estuaries, marsh lands, mangrove dominated wet lands, creeks, beach sands etc. These ecosystems play a vital role ecologically through the multiple services rendered by them. They also help in flood mitigation and water absorption to recharge the aquifer. The State Government is committed to protecting the estuaries, wetlands, creeks & marshlands.

Pallikaranai Marsh Land a unique freshwater swamp located within the Chennai Metropolitan area situated in parts of Perungudi, Pallikaranai and Thoraipakkam villages of Kancheepuram districts will be reclaimed & restored. An area of 690.65 ha is under the control of Tamil Nadu Forest Department and a comprehensive scheme will be implemented over for a period of five years from 2017-18 with an outlay of about Rs.250 crores, for taking up various restoration activities like habitat improvement, protection, research, monitoring, publicity and awareness. Conservation Authority Pallikaranai Marshland has been constituted to monitor all the activities.

The Government will also launch special programmes for restoration and protection of Ennore Creek.

9.17 Integrated Development of Vulnerable Areas

Disasters can wipe out years of development within minutes or even seconds as is the case during tsunami and earthquakes, within hours / days as in the case of cyclonic storms and over a prolonged period as in the case of as in the case of a creeping disaster like drought. The risks get accentuated in view of the extreme weather events, unplanned urban development, indiscriminate over exploitation of various ecosystems. Therefore, the integrated development of vulnerable areas will be achieved through special mitigation measures, mainstreaming disaster risk concerns into the sectoral schemes and convergence of different structural & non-structural schemes.

APPENDIX - I**Contacts****Control Rooms**

Sl.No.	Office	Contact No.
1	Chief Secretary Control Room	25671388/25670372
2	Secretariat EPABX	25665566
3	Revenue Department	25671821
4	State Relief Commissioner	28593990/28593988/1070(Toll free)
5	Director General of Police	28447777
6	Commissioner of Police Control Room	23452359 - 362
7	Home Guards	9443312255/25385740(R)/28441617(O)
8	Collectorate, Chennai	1077(Toll Free)/25268320,21,22
9	Public Works Department	28410402 – 10/Ext. 194
10	Highways Department	28544370
11	Fire & Rescue Services Department	28294132,30,35,65
12	IMD, Chennai	28271951/28230091/28230092/28230094
13	Indian Coast Guard	25395016/23460404
14	Fisheries	24341757
15	Greater Chennai Corporation Satellite Phone	8991119501
16	Commissionerate of Revenue Administration and Disaster Management Department Satellite Phone	81742, 81743

State Emergency Operation Center in CRA office

Toll Free	1070
Land Line	044 - 28414513 044 - 28593990
Fax	28410577 28414512
E-mail	tnstateeoc@gmail.com

NAME/DESIGNATION	OFFICE PHONE NO.
Hon'ble Mayor	044-25384436 044-25384438 044-25381328 044-25619300
Deputy Mayor Office	044-25382979 044-25619210

NAME/DESIGNATION	MOBILE NO.	OFFICE PHONE NO.
COMMISSIONER	9445419966	044-25381330 044-25619200
Joint / Deputy Commissioner (Works)	9445190998	044-25369444 044-25619306
Joint / Deputy Commissioner (Health)	9445190996	044-25619336 044-25386386
Joint / Deputy Commissioner (Education)	9445190997	044-25383693 044-25619205
Deputy Commissioner (R&F)i/c.	9445190995	044-25384231 044-25619351
Assistant Commissioner(GA&P)	9445190300	044-25619231
Principal Chief Engineer	9445190500	044-25383692 044-25619350
Chief Engineer(Buildings)	9445190200	044-25383781 044-25619260

NAME/DESIGNATION	MOBILE NO.	OFFICE PHONE NO.
Chief Engineer (Mechanical)	9445190736	044-25303316 044-25303317
Superintending Engineer (Roads, Bridges,works)	9445190735	044-25619281
Superintending Engineer(Buildings)	9445190738	044-25303910
Superintending Engineer(Spl.Project)	9445190733	044-25619302
Superintending Engineer(PH,SWM& Mechanical)	9445190731	044-25619362
Superintending Engineer(SWD)	9445190732	044-25619318
Superintending Engineer(Co-ordination,Planning, Training, QC, Park&Playfields)	9445190016	044-25619283 044-25619397
Superintending Engineer(Electrical)	9445190739	04425303369 044-25619371
Accountant Officer (H.O.)	9445026005	044-2533801
Revenue Officer	9445190742	044-25383614 044-25619370
City Health Officer(i/c)	9445190744	044-25619337 044-25619330
Vetnairy Medical Officer	9445190746	044-25303657
City Medical Officer	9445190857	044-25619338
Addl.City Medical Officer	9445190858	044-25619653
Addl.City Medical Officer (G)	9445194936	044-25619652
Education Officer	9445190747	044-25619462 044-25384232

Office Regional Deputy Commissioner (North)

NAME/DESIGNATION	CONTACT NUMBERS
RDC (North)	9445025800, 044-25200025
Deputy Collector (Administration)	9445477657, 044-25201076
Deputy Collector(Revenue)	9445467336, 044-25201076
Addl. GCC. Health Officer	9445026001
Head Accountant Officer	9445026063
Superintending Engineer	9445467372

Regional Deputy Commissioner Office (Central)

NAME/DESIGNATION	MOBILE NO.
RDC (Central)	9445190150 9445190698 044-26640224
Deputy Collector(Administration)	9445477660
Deputy Collector (Revenue)	9443019915
Addl. GCC. Health Officer	9445026002
Head Accountant Officer	9445026037
Superintending Engineer	9445190734

Regional Deputy Commissioner Office (South)

NAME/DESIGNATION	MOBILE NO.
RDC (South)	9445190100 9445190830 044-24425981 044-24425982
Deputy Collector (Administration)	9445191439 044-24425982
Deputy Collector(Revenue)	9445477653
Addl. GCC. Health Officer	9445026003
Head Accountant Officer	9445026036
Superintending Engineer	9445190737

Emergency Contact Numbers

Institution	Contact Number
Police	100
Traffic Police	103
Ambulance	108
Fire Control	101
Ambulance of Fire Services Dept.,	102
Child Line	1098
Women Help Line	1091

Institution	Contact Number
Lions Blood Bank	28415959
Apollo Ambulance	1066
St. Johns Ambulance Association	28194630
Trauma Care Consortium	28150700
Government General Hospital	25305000
Government Kilpauk Hospital	28364951
Govt. Kasturba Hospital for Women	28545449
Institute of Child Health & Hospital	28191135
Government Royapettah Hospital	28483051
Government Stanley Hospital	25281347
Child Trust Hospital	42001800
Voluntary Health Service	22541972
Red cross	044-28554548
Blue cross	044-22354959 / 22300666 / 22300655

Contact details of the Officials at the Zonal level

Zone	Zone Office	Zonal officers	Executive Engineers	Assistant Health officers	Assistant Revenue Officers
Zone 1	04425993494, 9445190201	9445190001	9445190021, 9445194727	9445190061	9445190081, 9445467332
Zone 2	04425941079, 9445190202	9445190002	9445190022,	9445190062	9445190082
Zone 3	04425530427, 9445190203	9445190003	9445190023	9445190063	9445190083
Zone 4	04425951083, 9445190204	9445190004	9445190024, 9445190940	9445190064	9445190084, 9790797999

Zone	Zone Office	Zonal officers	Executive Engineers	Assistant Health officers	Assistant Revenue Officers
Zone 5	04425206655, 9445190205	9445190005	9445190025, 9445190461	9445190065	9445190085, 9445071039
Zone 6	04426741802, 9445190206	9445190006	9445190026, 9445190038	9445190066	9445190086,
Zone 7	04426253331, 9445190207	9445190007	9445190027, 9445194759	9445190067	9445190087, 9444576365
Zone 8	04426412646, 9445190208	9445190008	9445190028, 9445190727	9445190068	9445190088,
Zone 9	04428170738, 9445190209	9445190009	9445190029, 9445190864	9445190069	9445190709
Zone 10	04424838968 , 9445190210	9445190010	9445190030, 9445191466	9445190070	9445190090, 9841534974
Zone 11	04424867725, 9445190211	9445190011	9445190031, 9445190853	9445190071	9445190091
Zone 12	04422342355, 9445190212	9445190012	9445190032, 9445190037	9445190072	9445190092
Zone 13	04424425961, 9445190213	9445190013	9445190033, 9445026077	9445190073	9445190093
Zone 14	04422420600, 9445190214	9445190014	9445190034, 9445026083	9445190074	9445190094
Zone 15	04424500923, 9445190215	9445190015	9445190035,	9445190075	9445190095

Other Contact Numbers

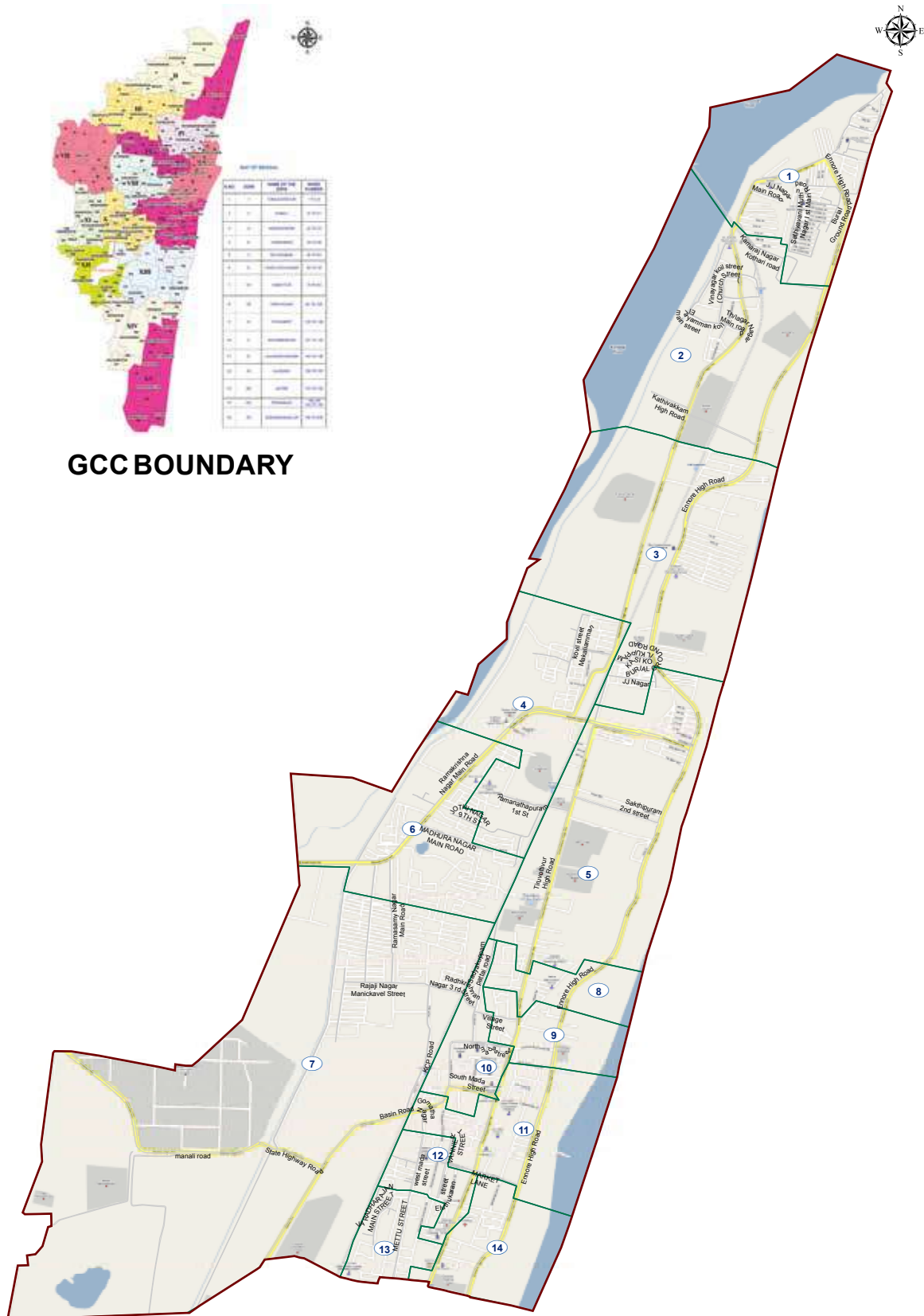
Institution	Contact Number
Highways Directorate	044 - 22351066
TANGEDCO	1912 / 044 - 28514955 Whatsaap - 9445850829
CMWSSB	044 - 45674567
Chennai Metro Rail	044 - 23792000 1860 - 425 - 1515

ZONE - I

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ZONE 1 - WARD BOUNDARY



GCC BOUNDARY

NAME OF THE ZONE	WARD NUMBER
Thiruvottriyur	1 TO 14

Profile

The Thiruvottiyur zone lies in **Latitude 13.15616°**, **Longitude 80.30145°** covering an area of **28.51 Sq.km**.

There are 1514 roads, out of which 1498 roads to a length of 215.64 Km are Interior Roads, 6 Roads to a length of 6.66 Km are Bus Route Roads maintained by GCC and the remaining 10 roads are under the maintenance of Highways department and 2 roads are under NHAI.

The population is about 3.50 lakhs that has Male population of 50.25% and Female population of 49.75 % in this zone. The most densed area in the zone is Thiruchina Kuppam with a population of 33,255 and the least is Kathivakkam with a population of 20,384. The Ward wise population of the zone is given below,

Sl.No.	Ward. No/Name	Total House Holds	Total Population
1	1 Sathyavani muthu nagar	4270	20621
2	2 Kathivakkam	4555	20384
3	3 Annai Sivagami nagar	7306	25178
4	4 Ernavoor	5795	21171
5	5 Wimco nagar	6665	24226
6	6 Sathyamoorthy nagar	7684	27937
7	7 Ramasamy nagar	6780	25948
8	8 Periyar nagar	6010	22103
9	9 Thiruvottiyur Kuppam	5749	21894
10	10 Maatu mandai	6527	26585
11	11 Kaladipet North	6523	26482
12	12 Kaladipet South	6538	26334
13	13 Sathma nagar	6819	27555
14	14 Thiruchina Kuppam	6197	33255
	Total	87418	349673

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

SI. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	1 to 14	
2	Zonal officer	1 to14	9445190001

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation, jurisdiction with contact details are given below.

SI. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-1 & U-2	9445190021
2	Executive Engineer-2	U-2 A & U-3	94451 94727
3	Assistant Executive Engineer	U-1 (1 to 4)	9445190101
4	Assistant Executive Engineer	U-2 (5 to 9)	9445190102
5	Assistant Executive Engineer	U-3 (10 to 14)	9445190103
6	Additional Divisional Engineer, Electrical	1 to 14	9445190044
7	Assistant Executive Engineer, Mechanical	1 to 14	9445190493

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward. No.	Office Mobile Number
1.	Assistant Executive Engineer (SWM)	1 to 14	9445467361
2.	Conservany supervisor	1 to 4	9445191401
3.	Conservany supervisor	5 to 9	9445191402
4.	Conservany supervisor	10 to 14	9445191403

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl.No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone I	9445190061
2	Veterinary Surgeon	Zone I	9445194748
3	Senior Entomologist	Zone I	9445025806
4	Sanitary Officer	1 to 4	9445025801
5	Sanitary Officer	5 to 9	9940244179
6	Sanitary Officer	10 to 14	9445190681
7	Zonal Medical Officer	Zone 1	9445190711
8	Medical Officer	2/ Kathivakkam UPHC	9884883403
9	District Health Officer	3/Ernavoor UPHC	9445617148
10	Medical Officer	4/Kuppam UPHC	8939792080
11	Medical Officer	11/Thiruvottiyur UCHC	9444818168
12	Medical Officer	11/ Thiruvottiyur UPHC	9790962345
13	Medical Officer	12/Sathangadu UPHC	7639584240
14	Medical Officer	14/Thnagal UPHC	8056484942

S.No	Ward No.	Name & Location of Hospital	Name of Medical Officer	Contact Number
1	2	Kattivakkam UPHC	DR.R.M.Geetha	9884883403
2	3	Ernavoor UPHC	Dr.Naveenkumar (DHO)	9445617148
3	4	Kuppam UPHC	Dr.R.M.Subhashini	8939792080
4	11	Thiruvottiyur UPHC	Dr.T.Andal	9790962345
5	11	Thiruvottiyur UCHC	Dr.J.Princy	9444818168
6	12	Sathangadu UPHC	Dr.Vijiyalakshmi	7639584240
7	14	Thangal UPHC	Dr.GM.Renumanusiya	8056484942

Parks

There are 7 Parks available in Thiruvottiyur zone . These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445071070	Telescopic tree cruner-3, Chain saw tree cutting machine-3	Ward (1 to 14)

1	1	Thazhankuppam Slum Board Quarters, K.H road, Ennore
2	2	Ulaganathan park,Nehru Nagar Park Street, Ennore
3	3	Tsunami Quarters Park-2, AIR Nagar, Ennore
4	3	Tsunami Quarters Park-4, AIR Nagar, Ennore
5	3	TNSCB Land Park 1
6	3	TNSCB Land Park 2
7	3	TNSCB Land Park 3
8	3	TNSCB Land Park 5
9	3	TNSCB Land Park 6
10	3	TNSCB Land Park 7
11	3	TNSCB Land Park 8
12	3	TNSCB Land Park 9
13	3	TNSCB Land Park 10
14	3	TNSCB Land Park 12
15	3	TNSCB Land Park 13
16	3	TNSCB Land Park 14
17	3	TNSCB Land Park 15
18	3	TNSCB Land Park 16

19	5	Hansa Garden Park / Ajax TVT
20	5	Sakthipuram Park, Srirangam new town, Ernavoor, Chennai-57
21	5	M/s.MRF Limited Ennore Express Road, Thiruvottiyur
22	5	Wimco Co -Operative Housing Society, Sakthipuram 2nd Street
23	7	Glass Factory road Near Balakrishna Nagar, Thiruvottiyur
24	7	Hansa Gems Park
25	7	Ashok Avenue Park
26	7	Sathangadu Land
27	7	Balakrishna nagar park land
28	11	Shanmuganar Park, Thiruvottiyur high road, Chennai-19
29	11	Slum Tenement park, OSR Land Ellaiamman koil street, Thiruvot-tiyur
30	11	State Bank colony children's park land
31	14	Thiruchinakuppam TNSCB OSR land

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are six pumping stations available in Thiruvottiyur Zone with average capacity of 1.4 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	South Mada street	1.80	20 HP-1, 15 HP -1
2	Kilijoshiyam nagar	2.00	60 HP-1
3	K.R.Ramasamy nagar	0.80	10 HP-1
4	Periyamettupalayam	0.80	7.5 HP-1
5	Sadayankuppam	0.80	10 HP-1
6	West mada street	2.40	30 HP-1
	Total	8.6	7

Tamil Nadu Slum Clearance Board tenements

There are 4 TNSCB tenements in Thalankuppam, Tsunami quarters & Village street with a population of 28319. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers are as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are as given below,

S.No.	Ward No.	Tenement location	No. of tenement	Population
1	1	Thalankuppam	468	2110
2	3	Tsunami quarters	5440	22400
3	9	Village street	336	1546
4	11	Ellaiamman koil street	480	2400
5	14	Thiruchinakuppam	492	2263
		Total	7216	30719

Contact details

Department	Designation	Area	Contact No.
Conservancy/ GCC	Conservancy Supervisor	Thalankuppam	9445191401
Conservancy/ GCC	Conservancy Supervisor	Tsunami quarters	9445191401
Conservancy/ GCC	Conservancy Supervisor	Village street	9445191402
Conservancy/ GCC	Conservancy Supervisor	Ellaiamman koil street	9445191403
Conservancy/ GCC	Conservancy Supervisor	Thiruchinakuppam	9445191403
Water Sup- ply & Sewage / CMWSSB	Area Engineer	Thalankuppam, Tsunami Quarters, Village street	8144930001
TNSCB	Executive Engineer	Thalankuppam, Tsunami Quarters, Village street	9445074846

Water Bodies and Waterways

There is only one Canal passing in this zone **(1) Buckingham canal**, Maintained by PWD which touches the zone from Manali Basin Road and travels about 10.75 Km and joins sea at Nettukuppam.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 18.25 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Wards Covered	Name of the Canal	From	To	Length of Canal (Km)
1	1 to 7	Buckingham canal	Manali Basin Road	Nettukuppam	10.75

Other water bodies

Sl. No	Ward No	Name of other water bodies	Length / Area
1	7	Sathankadu Eri	3,12,000 m ²
2	10	Vadivudaiyamman Koil tank	7,631 m ²
3	11	Perumal koil tank	6,250 m ²
4	1	ThamaraiKulam pond	42,103 m ²
5	6	Jothi Nagar Pond near Vivekananda School	5950 m ²

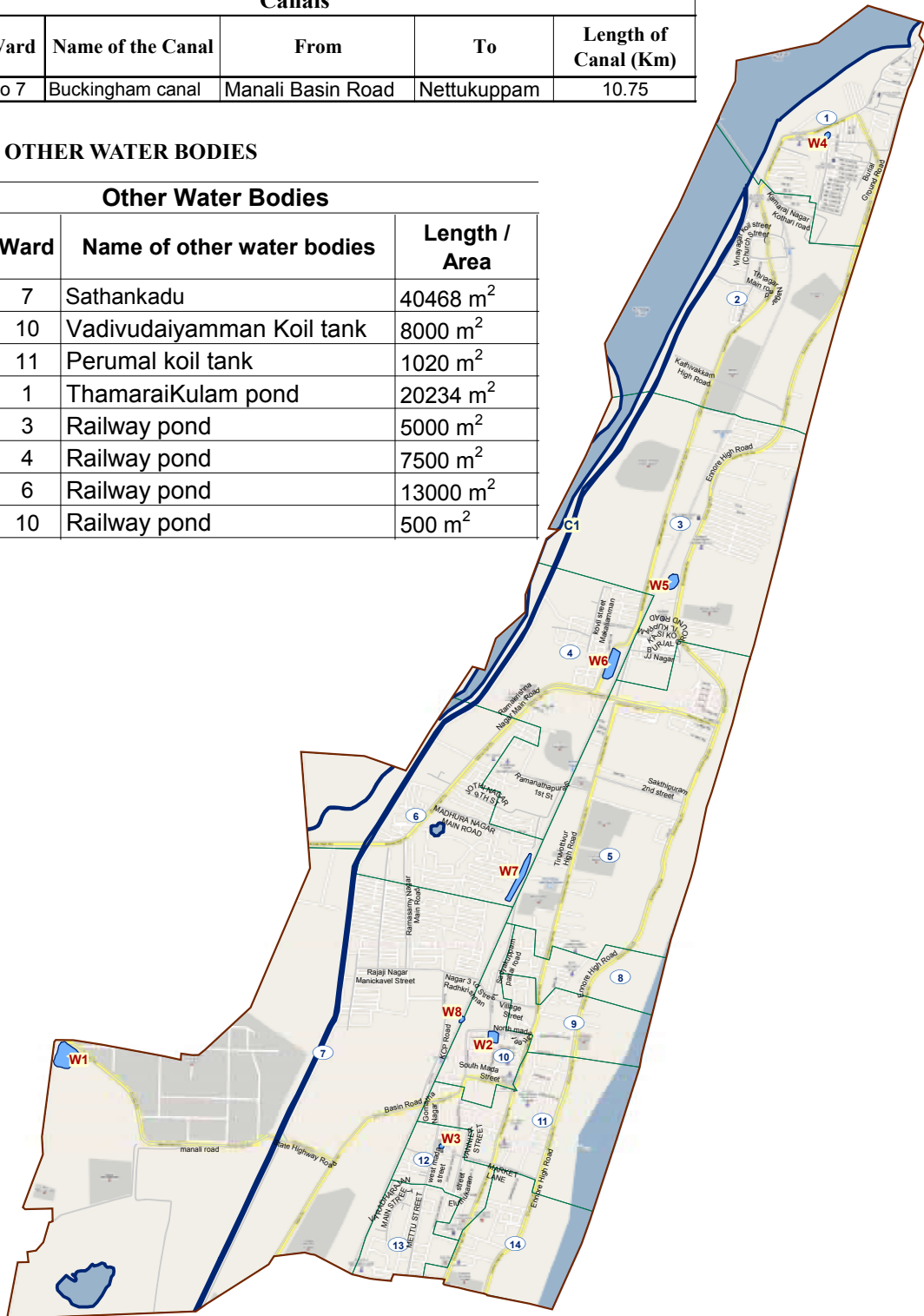
ZONE 1 - WATER BODIES

————— CANAL

Canals					
ID. No.	Ward	Name of the Canal	From	To	Length of Canal (Km)
C1	1 to 7	Buckingham canal	Manali Basin Road	Nettukuppam	10.75

■ OTHER WATER BODIES

Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Length / Area
W1	7	Sathankadu	40468 m ²
W2	10	Vadivudaiyamman Koil tank	8000 m ²
W3	11	Perumal koil tank	1020 m ²
W4	1	ThamaraiKulam pond	20234 m ²
W5	3	Railway pond	5000 m ²
W6	4	Railway pond	7500 m ²
W7	6	Railway pond	13000 m ²
W8	10	Railway pond	500 m ²



Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone. However there are Katcha drain and in few places SWD are available. Construction of SWD in this area is covered under Kosasasthalaiyar Basin for which fund tie up is under study from JICA.

59 storm water drains to a length of 20.19 Km were constructed to ease the flow of rain water in Thiruvottiyur zone. The details of SWD are given below.

SI. No.	Ward	Total No. of SWDs	Length of SWDs in 'm'
1	1	3	1255
2	2	1	2000
3	4	16	3390
4	5	1	700
5	6	13	5975
6	7	16	3173
7	9	3	992
8	10	2	840
9	11	3	985
10	14	2	880
Total		60	20190

SI. No.	Ward	Total No. of SWDs	Length of SWDs in 'm'
1	1	61	10869
2	2	102	10705
3	4	80	11135
4	6	97	16007
5	7	27	5339
6	9	1	600
7	12	1	90
Total		369	54745

Water stagnated streets in the previous monsoon - heavy rain fall



Rajaji Nagar

During the last monsoon, 23 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to



Nandhi Odai

heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

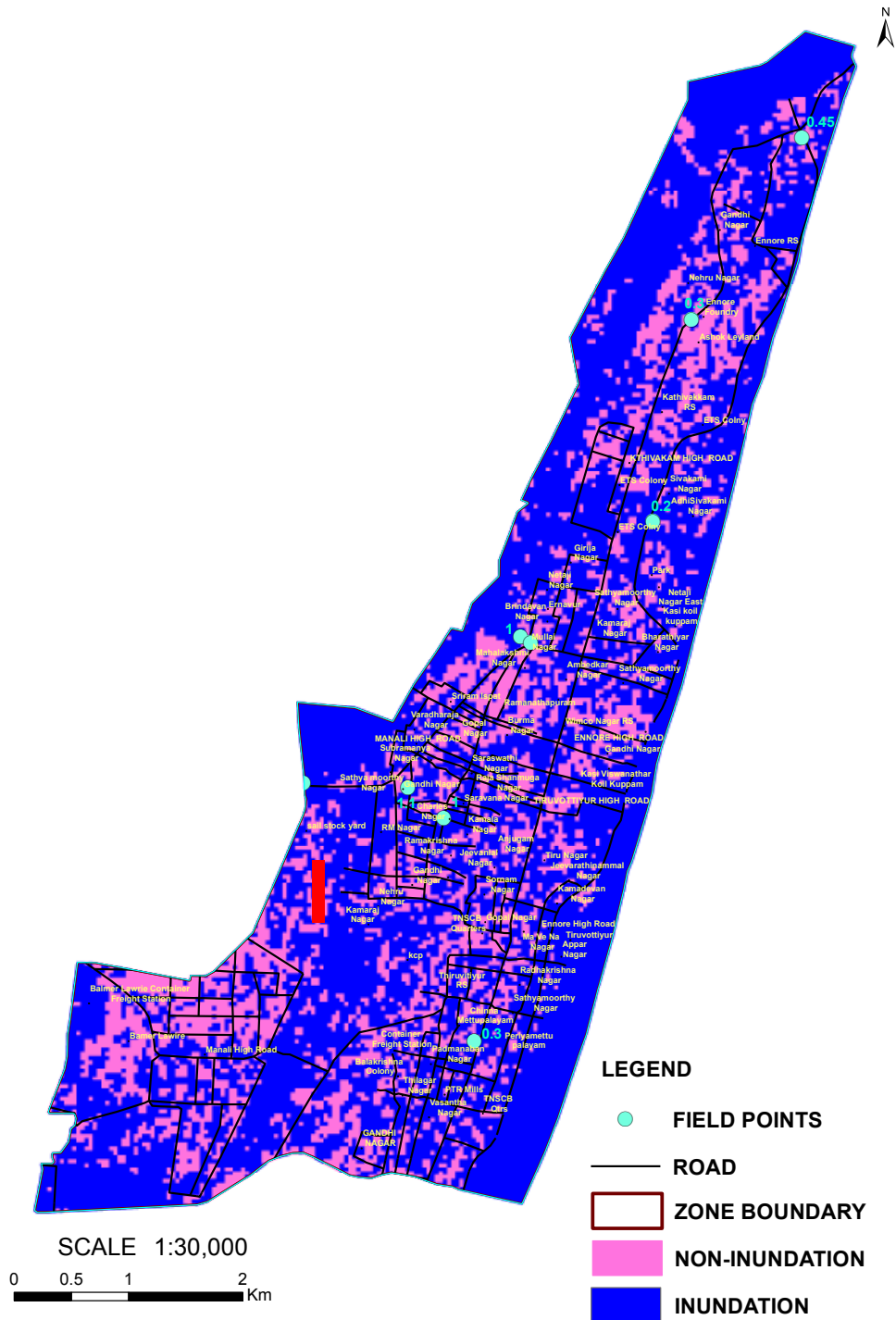
The identified water stagnations and the actions taken to dispose the rain water in each location are as below,

S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	1	SVM Nagar	5 H.P Diesel	SVM Nagar 17th street	Ulaganathapuram drain
2	1	Ulaganadhapuram	6.5 H.P Diesel	Ulaganathapuram 8 th street	K.H road drain
3	1	Thazhankuppam	6.5 H.P Diesel	K.H road	K.H road drain
4	2	K.H . Road (Shopping Complex)	6.5 H.P Diesel	K.H road	K.H road drain
5	2	K.H . Road Bus stand	5 H.P Petrol	K.H road	K.H road drain
6	2	Railway station Road	5 H.P Petrol	Railway.Stn. Road	Valluvar nagar drain
7	3	Annai sivagami nagar	6.5 H.P Diesel	J.J Nagar	To sea
8	4	Manali Express Road	5 H.P	Manali Express Road	'B' canal
9	5	T.H Road	6.5 H.P Diesel	Wimco nagar	MRF Drain
10	6	Kalainar Nagar	5 H.P Diesel	Kalaignar nagar 12 th street	Kalaignar 9th street
11	6	Manali Road	-	-	Drain by gravity

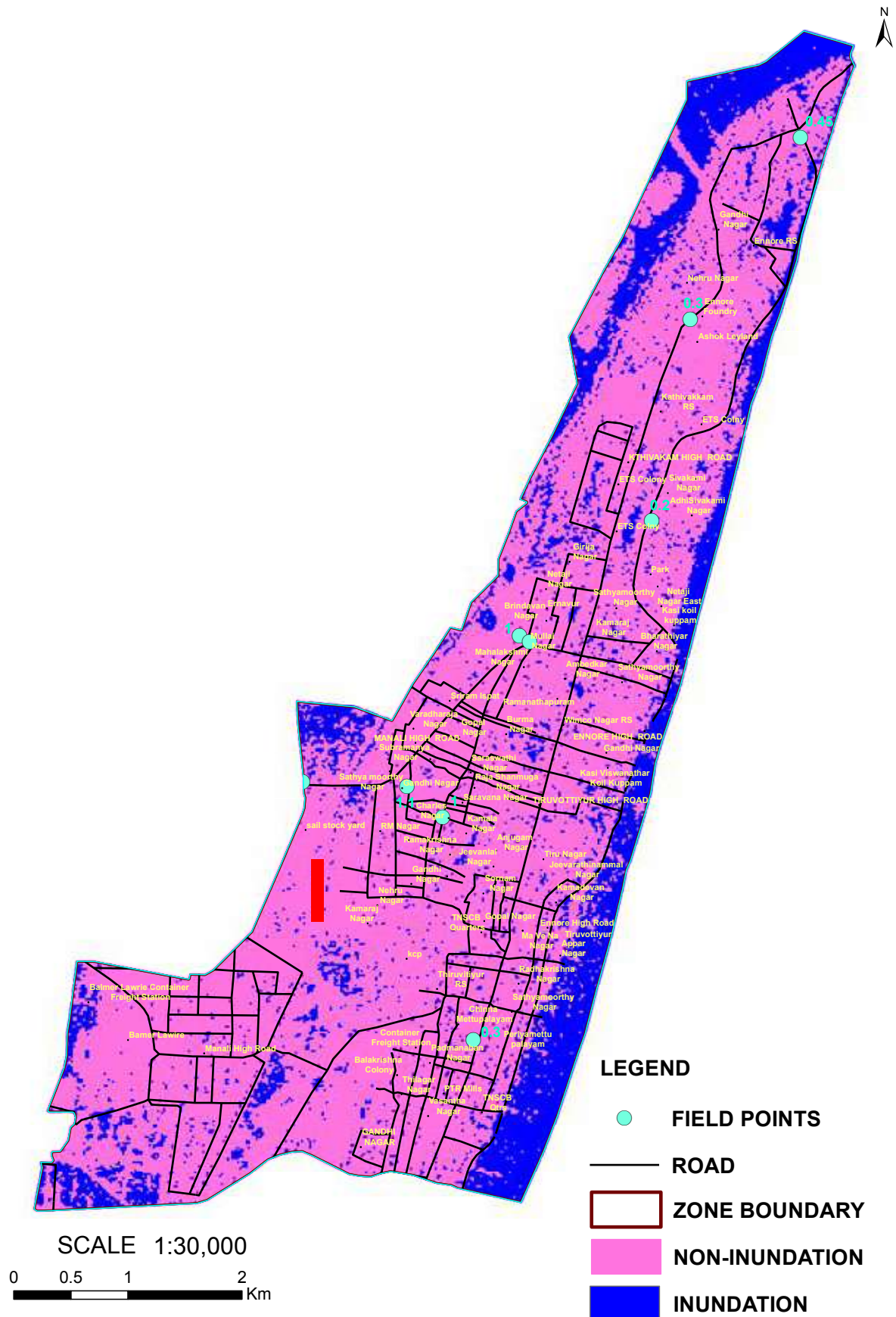
S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
12	6	Kalaignar Street	5H.P and 25H.p	Kalaignar nagar 9th street	Kalaignar Main road
13	7	Kargil Nagar	35 H.P Diesel	B canal Ser-vice road	'B' canal
14	7	Vetri Vinayagar Nagar	35 H.P	Anna nagar 1 st street	Rajiv Gandhi nagar main road drain
15	7	Anna Nagar	6.5 H.P Diesel	Anna nagar 1st street	Rajiv Gandhi nagar main road drain
16	7	Rajaji Nagar	6.5 H.P Diesel	Sasthri street	'B' canal
17	7	Radhakrishna Nagar	6.5 H.P Diesel	Radakrishnan nagar 4th street	Kargil nagar drain
18	9	Thiruvottiyur kup-pam	-	-	Drain by gravity
19	10	Nandhi odai Kup-pam	6.5 H.P Diesel	Railway track	Railway track
20	12	B.K.N Colony (police quarters)	5.0 H.P Petrol	Police quarters	1st street drain
21	12	Thilagar Nagar	5.0 H.P Petrol	Railway track	Main road
22	14	T.H Road	-	-	Drain by gravity
23	14	N.T.O Kuppam	-	-	Drain by gravity

Anna University has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

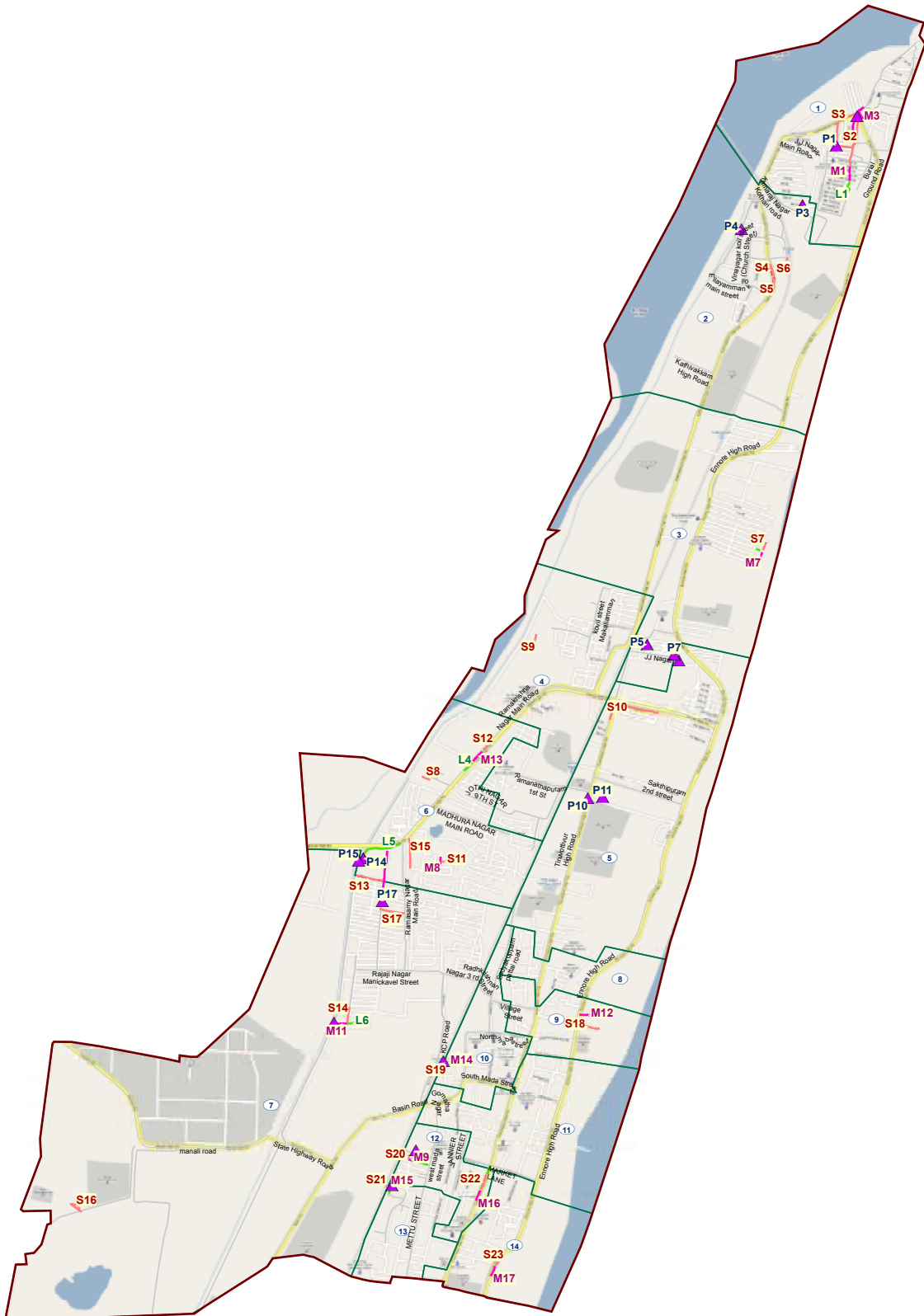
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE 1 ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



- Streets where water stagnated in the previous monsoon - Heavy
- Streets where water stagnated in the previous monsoon - Light
- Streets where water stagnated in the previous monsoon - Moderate
- Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - mild rain

S. No.	Ward	Name of the Street
1	1	SVM Nagar
2	2	K.H . Road (Shopping Complex)
3	3	Annai sivagami nagar
4	4	Mettu 4th cross street
5	6	Manali Express Road
6	7	Kargil Nagar
7	7	Vetri Vinayagar Nagar
8	7	Rajaji Nagar
9	10	Nandhi odai Kuppam
10	12	B.K.N Colony (police quarters)
11	12	Thilagar Nagar
12	14	T.H Road

Water stagnated streets in the previous monsoon - moderate rain

S.No.	ward	Name of the Street
1	1	SVM Nagar
2	1	Ulaganadhapuram
3	1	Thazhankuppam
4	2	K.H . Road (Shopping Complex)
5	2	K.H . Road Bus stand
6	3	Annai sivagami nagar
7	6	Kalainar Nagar
8	6	Manali Road
9	7	Kargil Nagar
10	7	Vetri Vinayagar Nagar
11	9	Thiruvottiyur kuppam
12	10	Nandhi odai Kuppam
13	12	B.K.N Colony (police quarters)
14	12	Thilagar Nagar
15	14	T.H Road

Stagnation of water in streets due to sewer blocks

Sl. No.	ward /Name	Name of the Streets	No. of manholes
1	13	Gandhi nagar	4
2	12	police quarters	1
		Total	5

Relief Centres

There are 12 relief centres to a total capacity of 2880 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
1	1	300	Govt. Higher Sec. School, Kathivakkam	Thalankuppam, Nettukuppam	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025802
								Evacuation & Relief Materials	Assistant Engineer	9445190301
								Food & Drinking water	Assistant Revenue Officer	9445190081
2	2	200	CMS, Nehru nagar, Ennore	Sweepers colony, Valluvar nagar, south lock road	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025802
								Evacuation & Relief Materials	Assistant Engineer	9445190302
								Food & Drinking water	Assistant Revenue Officer	9445190081
3	3	200	CPS, AS Nagar	Annai Sivagami nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025802
								Evacuation & Relief Materials	Assistant Engineer	9445190303
								Food & Drinking water	Assistant Revenue Officer	9445190081
4	4	300	CPS Mahaliaman koil school st, Ernavoor	A.D Colony	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025805
								Evacuation & Relief Materials	Assistant Engineer	9445190304
								Food & Drinking water	Assistant Revenue Officer	9445190081

SI. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
5	5	200	Jayagopal Garodiya Govt. Hr. Sec. School, T.H.Road.	Palagai thotti kuppam	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025805
								Evacuation & Relief Materials	Assistant Engineer	9445190305
								Food & Drinking water	Assistant Revenue Officer	9445190081
6	6	600	Ready Made School, Raja Shan-mugam Nagar.	Raja shan-mugam nagar.	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025806
								Evacuation & Relief Materials	Assistant Engineer	9445190306
								Food & Drinking water	Assistant Revenue Officer	9445190081
7	7	300	Kalaimagal School, Saravana Nagar.	Saravana Nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025807
								Evacuation & Relief Materials	Assistant Engineer	9445190307
								Food & Drinking water	Assistant Revenue Officer	7904146342
8	8	100	Mahaveer jain School, T.H.Road.	Rettai malai srinivasan nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025809
								Evacuation & Relief Materials	Assistant Engineer	9445190308
								Food & Drinking water	Assistant Revenue Officer	7904146342

Sl. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
9	9	200	Gowri Ashramam, T.H Road	Kargil Nagar & Rajaji Nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025809
								Evacuation & Relief Materials	Assistant Engineer	9445190309
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342
10	10	150	Poonthottam School, T.H Road	Nandhi odai & Sadayan kuppam vattai	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025810
								Evacuation & Relief Materials	Assistant Engineer	9445190310
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342
11	11	150	CMS School, Market Lane.	Srinivasapuram, B.K.N Colony	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9499934325
								Evacuation & Relief Materials	Assistant Engineer	9445190311
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342
12	12	180	St.Pauls school, Sathankad High Road	Gandhi Nagar 1-5 street	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025812
								Evacuation & Relief Materials	Assistant Engineer	9445190312
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342

ZONE 1 EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

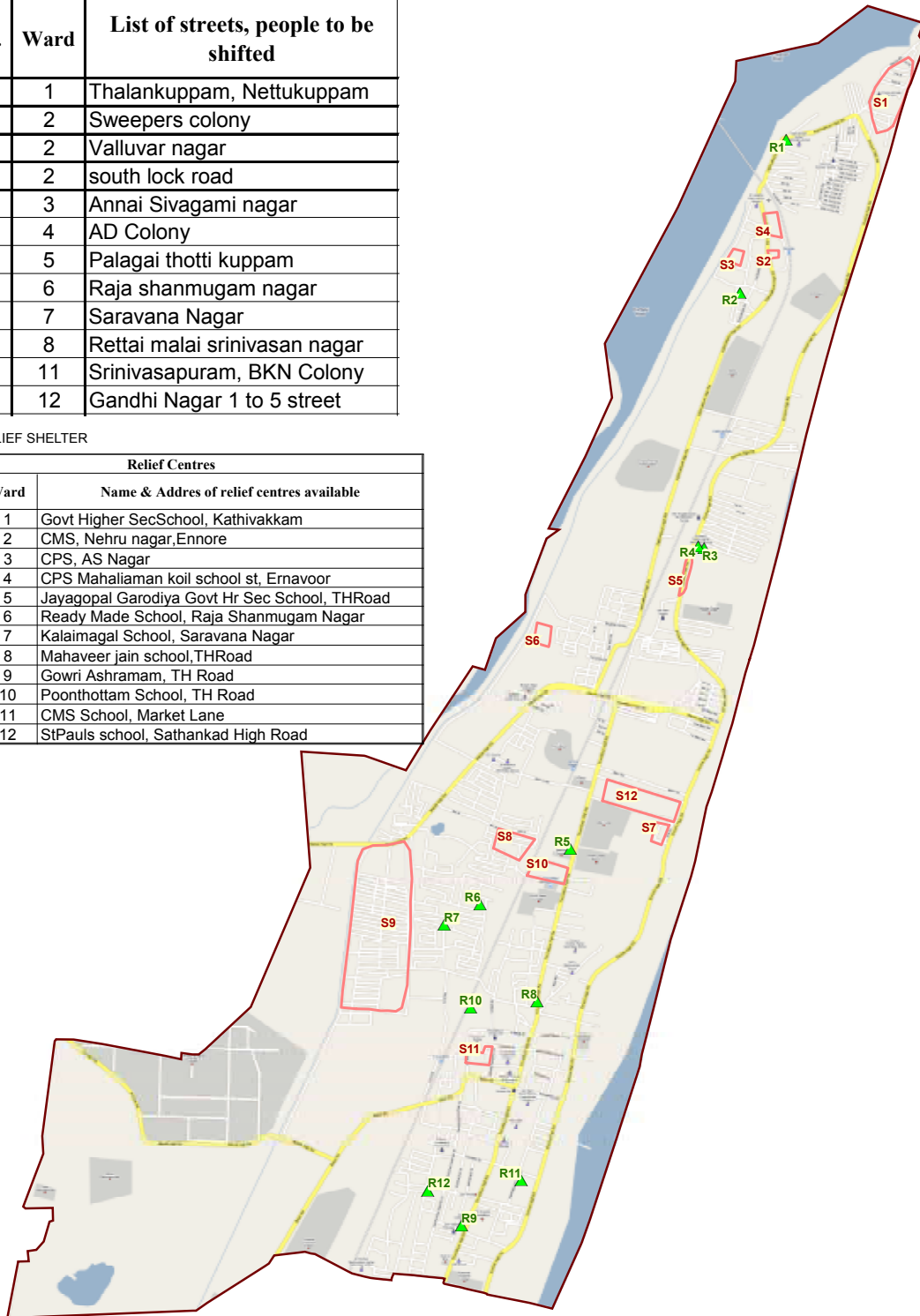
Street/Areas - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	1	Thalankuppam, Nettukuppam
S2	2	Sweepers colony
S3	2	Valluvar nagar
S4	2	south lock road
S5	3	Annai Sivagami nagar
S6	4	AD Colony
S7	5	Palagai thotti kuppam
S8	6	Raja shanmugam nagar
S9	7	Saravana Nagar
S10	8	Rettai malai srinivasan nagar
S11	11	Srinivasapuram, BKN Colony
S12	12	Gandhi Nagar 1 to 5 street

▲ RELIEF SHELTER

Relief Centres

ID. No.	Ward	Name & Address of relief centres available
R1	1	Govt Higher SecSchool, Kathivakkam
R2	2	CMS, Nehru nagar, Ennore
R3	3	CPS, AS Nagar
R4	4	CPS Mahaliaman koil school st, Ernavoor
R5	5	Jayagopal Garodiya Govt Hr Sec School, THRoad
R6	6	Ready Made School, Raja Shanmugam Nagar
R7	7	Kalaimagal School, Saravana Nagar
R8	8	Mahaveer jain school, THRoad
R9	9	Gowri Ashramam, TH Road
R10	10	Poonthottam School, TH Road
R11	11	CMS School, Market Lane
R12	12	StPauls school, Sathankad High Road



Subways

There is one subway at Manickkam Nagar in Thiruvottiyur zone for a Length of 60 m. The electrical pumps (5HP-2 & 1HPJet Motor-1) and diesel pumps (6.5HP -1) installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Ward/ Name	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 5, Manickkam Nagar subway	60.00	Railway pond	Electrical Pumps: 5HP-2nos, 1HP Jet motor -1 Diesel Pump:6.5HP-1



Manickkam Nagar Subway

Tree fall

During the last monsoon, in Thiruvottiyur zone totally 12 tree/branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	1	JJ nagar
2	2	Ellaiyamman koil street
3	3	Annai sivagami Nagar
4	4	Kathivakkam High Road, Shanmugapuram
5	5	Manickam Nagar, T.H Road
6	8	Otravadai Street
7	10	South Mada Street, Poonthottom street ground
8	12	Vasantham Nagar
9	12	Balakrishna naidu colony

Streets - water entered houses - do not require evacuation

During the last monsoon, 8 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 8 locations were inundated for more than a day by which the normal day to day activity of 4164 people were stand stilled. Flood water from these areas was cleared by using 4 pumps range of 6.5 H.P capacity. The identified vulnerable spots is as below,



KALAIANGAR NAGAR

SI.No.	Ward/Name	Name of the area/ streets
1	4 Ernavoor	VP Nagar
2	6 Sathyamoorthy nagar	Sathyamoorthy nagar, Kalaingar nagar
3	7 Ramasamy nagar	Annamalai nagar, MGR nagar, Rajiv Gandhi nagar
4	12 Kaladipet South 13 Sathma nagar	Gandhi nagar, Srinivasapuram

Streets that require evacuation

During the heavy flood occurred last year 2015, in Thiruvottiyur zone 6500 people were evacuated from A.D Colony, Palagai thotti kuppam, Sathyamoorthy nagar and Kargil Nagar and they were accomodated in nearby schools and Ashramams. They were



Vetri vinayagar nagar

provided with basic amenities like accomodation, food and relief materials for more than 25 days. The details and location of relief centers are given below.

Sl. No	Ward No. / Name	Streets	No. of persons	Years	Relief centre
1	4 Ernavoor	A.D Colony	300	2015	Mahaliyman koil school st
2	5 Wimco nagar	Palagai thotti kup-pam	200	2015	Road side temporary centre
3	6 Sathyamoorthy nagar	Sathyamoorthy nagar, TKP nagar	1000	2015	Chennai Middle School, Sathyamoorthy nagar
4	7 Ramasamy nagar	Kargil Nagar, Rajaji nagar, Vetri vinayagar nagar, Radakrishnan nagar	5000	2015	Gowri Ashramam
		Total	6500		

Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There are 20 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	1 to 4	Assistant Engineer	9445190901
2	5 to 8	Junior Engineer	9445190902
3	9 to 14	Junior Engineer	9445190903
4	1 to 14	Additional Divisional Engineer (Zone)	9445190041
5	1 to 14	Divisional Engineer (HQ)	9445190753

National Disaster Response Force (NDRF)

In Thiruvottiyur zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	7	Zonal Office 1 – Kargil Nagar

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



KARGIL NAGAR

Rescue Boats

Rescue operations during flood require the services of boats in the form of catamaran /rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

SI.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & Number
1	2	2no. of boats at Kattu kuppam	Valluvar nagar railway bridge	AE -9445190302
2	4	2 nos. of boats at AD colony to evacuate people using Boats during flood of 2015.	Vp nagar	AE -9445190304
3	5	1no. of boats at Palagai thotti kuppam	Palagai thotti kuppam	AE -9445190305
4	6	2 nos. of boats at Sathyamoorthy nagar	Sathyamoorthy nagar	AE -9445190306
5	7	4 nos. of boats at Kargil nagar	Kargil nagar	AE -9445190307

ZONE 1 EVACUATION AREA NDRF TEAM & BOATLOCATOINS



EVACUATION AREA

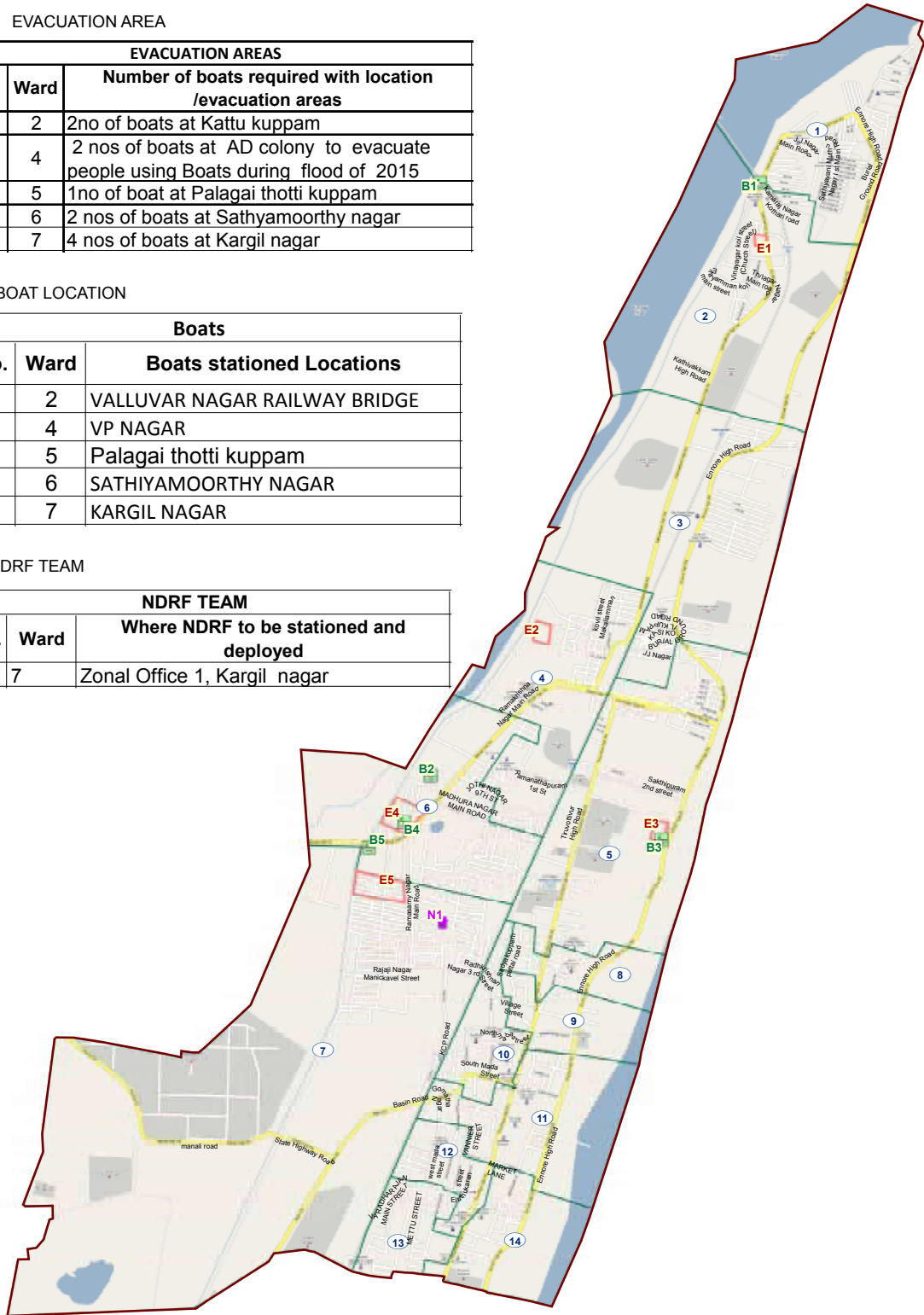
EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	2	2no of boats at Kattu kuppam
E2	4	2 nos of boats at AD colony to evacuate people using Boats during flood of 2015
E3	5	1no of boat at Palagai thotti kuppam
E4	6	2 nos of boats at Sathyamoorthy nagar
E5	7	4 nos of boats at Kargil nagar

/KB/ BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	2	VALLUVAR NAGAR RAILWAY BRIDGE
B2	4	VP NAGAR
B3	5	Palagai thotti kuppam
B4	6	SATHIYAMOORTHY NAGAR
B5	7	KARGIL NAGAR

↑ NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	7	Zonal Office 1, Kargil nagar



Transport Equipment/Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 3 debris lorries, 2 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available are given below

No. of lorries and type kept in readiness
Debris lorries - 4
Skid steer loaders (Bobcat) - 2
(Front end loader) JCB - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445467353	1	2	4-HMV	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

Nil

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee –1

Ward councillor –

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190301
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9499937310
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190501
GCC - Revenue	Tax Collector	9840940159
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	9789453632
TANGEDCO	Junior Engineer	9445850903
BSNL	Assistant Engineer	9444157070
Fire service	Inspector	9445086024
Police station	Inspector-M5	9840363650
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 2**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190302
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9750782636
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190502
GCC - Revenue	Tax Collector	9840940159
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930002
TANGEDCO	Junior Engineer	9445850903
BSNL	Assistant Engineer	9445122121
Fire service	Inspector	6381128937
Police station	Inspector-M5	9498100239
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee –3**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190303
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9884546562
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190503
GCC - Revenue	Tax Collector	9080057663
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930003
TANGEDCO	Junior Engineer	9445850897
BSNL	Assistant Engineer	9445122121
Fire service	Inspector	6381128937
Police station	Inspector-M5	9840363650
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 4**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190304
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9499934319
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190504
GCC - Revenue	Tax Collector	9080057663
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930004
TANGEDCO	Junior Engineer	9445830908
BSNL	Assistant Engineer	9444997555
Fire service	Inspector	6381128937
Police station	Inspector-M5	9840363650
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 5**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190305
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9786560398
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190505
GCC - Revenue	Tax Collector	9840002754
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930005
TANGEDCO	Junior Engineer	9445850898
BSNL	Assistant Engineer	9445122121
Fire service	Inspector	6381128937
Police station	Inspector-H8	8778362421
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 6**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190306
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9499934322
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190506
GCC - Revenue	Tax Collector	9840002754
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930006
TANGEDCO	Junior Engineer	9445850908
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-M8	9498100242
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 7**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190307
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9499934320
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190507
GCC - Revenue	Tax Collector	8190847006
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930006
TANGEDCO	Junior Engineer	9445850908
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-M8	9498100242
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 8**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190308
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9445025809
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190508
GCC - Revenue	Tax Collector	8190847006
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930008
TANGEDCO	Junior Engineer	9445850897
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 9**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190309
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9499934323
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190509
GCC - Revenue	Tax Collector	9444631939
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930009
TANGEDCO	Junior Engineer	9445850897
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	9442984812

Ward committee – 10**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190310
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9499934324
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190510
GCC - Revenue	Tax Collector	9444631939
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930010
TANGEDCO	Junior Engineer	9445850897
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9442984812

Ward committee – 11**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190311
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9499934325
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190511
GCC - Revenue	Tax Collector	7397349909
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930010
TANGEDCO	Junior Engineer	9445850897
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9442984812

Ward committee – 12**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190312
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025812
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190512
GCC - Revenue	Tax Collector	7397349909
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930012
TANGEDCO	Junior Engineer	9445850901
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	8939705180

Ward committee – 13**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190313
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025813
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190513
GCC - Revenue	Tax Collector	8056219912
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930013
TANGEDCO	Junior Engineer	9445850901
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9894489977
Highways	Divisional Engineer	8939705180

Ward committee – 14**Ward councillor –**

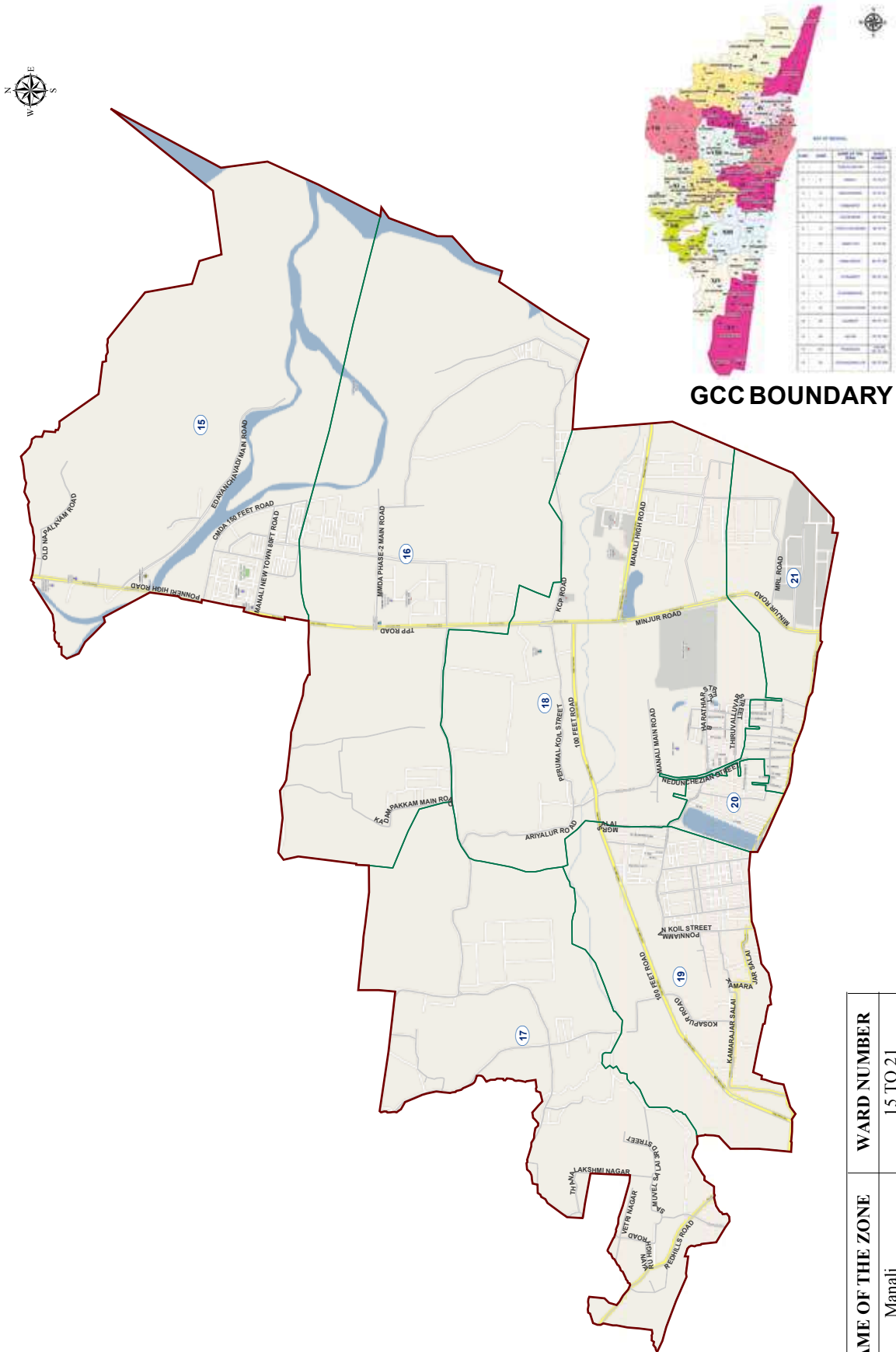
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190314
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025814
GCC - Veterinary	Veterinary Assistant Surgeon	9445026041
GCC - Solid waste management	Conservancy Inspector	9445190514
GCC - Revenue	Tax Collector	8056219912
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	8838713263
CMWSSB	Assistant Engineer	8144930014
TANGEDCO	Junior Engineer	9445850902
BSNL	Assistant Engineer	9445010530
Fire service	Inspector	6381128937
Police station	Inspector-H8	9498104149
PWD	Assistant Engineer	9094059249
TNSCB	Assistant Engineer	9487077379
Highways	Divisional Engineer	8939705180

ZONE - II

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ZONE II - WARD BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Manali	15 TO 21

Profile

The Manali zone lies in Latitude 13.166779°, Longitude 80.258308° and covering to an area of **42.33 Sq.km.**

There are 1045 roads, out of which 1038 roads to a length of 174.60 Km are Interior Roads, 7 Roads to a length of 7.45 Km are Bus Route Roads which are maintained by GCC and the remaining 6 roads are under the maintenance of Highways department and 3 roads are under TNRDC

The population is about 1.32 lakhs that has Male population of 52.23% and Female population of 47.77 % in this zone, the most densed area in the zone is MMDA Mathur with a population of 39878 and the least in Vadaperumbakkam with a population of 7550. The Ward wise population of the zone is given below,

SI.No.	Ward. No/Name	Total House Holds	Total Population
1	15 Edayanchavadi	1076	29835
2	16 Andarkuppam	2278	19300
3	17 Vadaperumbakkam	1800	7550
4	18 Manali	2655	13054
5	19 MMDA Mathur	7791	39878
6	20 Manali	1964	11718
7	21 Manali	1597	10533
TOTAL		19161	131868

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by one Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	15 to 21	
2.	Zonal Officer	15 to 21	9445190002

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-4 & U-5	9445190022
2	Assistant Executive Engineer	U-4 (15,16,17)	9445190104
3	Assistant Executive Engineer	U-5 (18,19,20,21)	9445190105
4	Additional Divisional Engineer	15-21	9445190051
5	Assistant Executive Engineer Mechanical	15 - 21	9445190481

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	Unit-4	9445191404
2.	Conservany supervisor	Unit-5	9445191405

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone II	9445190062
2	Veterinary Surgeon	Zone II	9445194745
3	Junior Entomologist	Zone II	9840857792
4	Sanitary Officer	Unit-4	9445190682
5	Sanitary Officer	Unit-5	9445190682

Parks

There are 18 Parks available in Edayanchavadi, Andarkuppam, Vadaperumbakkam, Manali & MMDA Mathur. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194752 Park Overseer	7 Chain Saw 2 Tree Pruner 3 Hack Saw	Manali

S.No	Ward	Name Of Park	Location of the Park
1	15	CPS-10	Manali New Town, Block No.26 (Edayanchavadi)
2	15	CPS-9	Manali New Town, Block No.29
3	15	CPS-7	Manali New Town, Block No.63 (Edayanchavadi)
4	15	CPS-8	Manali New Town, Block No.65 (Edayanchavadi)
5	15	CPS-6	Manali new Town 54th Block 44th Street park
6	16	CPS-2	Manali new Town Block 100 &101Street Park
7	16	CPS-3	Manali New Town, Block No.90 (Sadayankuppam)
8	16	CPS-1	Manali New Town, Block No.134&135(Sadayankuppam)
9	16	CPS-4	Manali New Town, Block No.52 (Sadayankuppam)
10	16	CPS-5	Manali New Town, Block No.78 Sadayankuppam)
11	16	TNHB Phase II Park	Manali New Town sadayankuppam phase II Park
12	17	Tirupathi Devasthanam Park	Tirupathi Devasthanam Nagar Park
13	17	Vadaperumpakkam Park	Gnayar High Road, (Near Division 17 Office)
14	18	Vimalapuram park	Vimalapuram II street park
15	18	CPCL Part	CPCL IV street park-Part-1
16	18	Andarkuppam Park	Andarkuppam Redhills High Road(Andarkuppam park)
17	18	CPCL Park	Neduchezyan Street(CPCL park)
18	18	CPCL Layout Park	CPCL Layout Park
19	19	MMDA 34th street Park	MMDA 34th street Park
20	19	Mathur MMDA 2nd Main Road Park	Mathur MMDA 2nd Main Road Park
21	19	Lake view apartment park	Lake view apartment park
22	20	Lake view park	Lake view park
23	21	Jalakandamariamman koil Park	Jalakandamariamman koil Park

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are three pumping stations available in Manali Zone with average capacity of 1.5MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps – condition
1	Sewage Pumping Station, Manali New Town	1.3 MLD	20HP sub - 1 15HP sub – 2 15Hp sub (spare) - 1
2	Mathur, MMDA Sewage Pumping Station	1.6 MLD	50HP Centrifugal pumpset - 1 20HP Centrifugal pumpset – 2 10HP Centrifugal pumpset - 1
3	Mathur, MMDA Sewage Pumping Station	1.6 MLD	20HPSubmersible pumpset-1
Total		4.5 MLD	

Tamil Nadu Slum Clearance Board tenements

There is no TNSCB tenements in Manali Zone.

Water Bodies and Waterways

There are 2 rivers passing in this zone **(1) Kosasthalaiyar River** which originates from Old napalayam travels about 7.00 Km and disposes via Sadayankuppam B' canal **(2) Puzhal Surplus Water Way** which originates from Sumangali nagar travels about 6.00 Km and disposes via Chittar Sadayankuppam B' canal.

Rivers

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Kosathalaiyar River	15,16	Old napalayam	Sadayankuppam B' canal	7.00
2	Puzhal Surplus Water Way	16,17 , 18	Sumangali nagar	Sadayankuppam B' canal	6.00
Total					13.00

There are 11 Canals passing in this zone **(1) Thulasi nagar canal** maintained by GCC which originates from Thulasi nagar travels about 2.2 Km in the zone and disposes via Chittar connection old Nappalayam to Edayanchavadi **(2) Old Nappalayam canal**

maintained by GCC which touches the zone at Vellivoyalchavadi travels about 2.7 Km in the zone and disposes through Kosasthalaiyar river **(3) CMDA canal** maintained by GCC which touches the zone at Vichur travels about 1.2 Km in the zone and disposes through the Kosasthalaiyar river **(4) Periya Eachankuzhi canal** maintained by GCC which touches the zone at Kulakkarai travels about 1.6 Km in the zone and disposes through Kosasthalaiyar river **(5) Ambedkar canal** maintained by GCC which touches the zone at Vembuli amman kulam travels about 1.10 Km in the zone and disposes through Puzhal Surplus water **(6) Kosapur canal** maintained by GCC which touches the zone at Vilankadupakkam travels about 1.0 Km in the zone and disposes through Puzhal Surplus water and **(7) CPCL canal** maintained by GCC which touches the zone at CPCL layout connecting Chinnamathur travels about 0.75 Km in the zone and disposes through Puzhal Surplus water. **(8) Canal from police quarters to 100 feet road** maintained by GCC maintained by GCC which originates from Police quarters travels about 1.8 Km in the zone and disposes via 100 feet road **(9) Canal from tpp salai (cpcl company) to 100 feet road junction** maintained by GCC which originates from tpp salai (cpcl company) travels about 2.0 Km in the zone and disposes via 100 feet road **(10) Canal from police quarters to tpp salai** maintained by GCC which originates from Police quarters travels about 0.55 Km in the zone and disposes via tpp salai **(11) police quarters canal** maintained by GCC which originates from Police quarters travels about 0.15 Km in the zone and disposes via police station.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by GCC in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 52.431 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Thulsi nagar canal and Chittar (connection old Nappalayam to Edayanchavadi)	15	Thulasi Nagar	Chittar	2.2
2	Old Nappalayam canal	15	Vellivoyalchavadi	Kosasthalaiyar River	2.7
3	CMDA Canal (along 80 feet road)	15	Vichur	Kosasthalaiyar River	1.2

4	Ambedkar Canal	17	Vembuli Amman Kulam	Puzhal Surplus Water	1.1
5	Kosapur Canal	17	Vilankadupakkam	Puzhal Surplus Water	1
6	CPCL canal (CPCL Layout connecting Chinnamathur road to 100' road)	18	Chinnathoppe	Puzhal Surplus Water	0.75
7	Canal from police quarters to 100 feet road	18	Police quarters	100 feet road	1.80
8	Canal from tpp salai (cpcl company) to 100 feet road junction	18	tpp salai (cpcl company)	100 feet road	2.00
9	Canal from police quarters to tpp salai	20	Police quarters	tpp salai	0.55
10	police quarters canal	21	Police quarters	police station	0.15
Total					15.05

Other water bodies

(a) Ponds

SI No	Ward No	Name of other water bodies	Length / Area
1	15	Edayanchavadi Pond	1200 m ²
2	16	Elanthanoor - Pond	1320 m ²
3	16	Andar kuppam burial ground - Pond	600 m ²
4	16	Andar kuppam - Pond	720 m ²
5	16	Kulakarai - Pond	1710 m ²
6	16	Kanniamman pettai, Kanniamman Koil st - Pond	1800 m ²
7	16	Kamarajapuram - Pond	750 m ²
8	16	Burma Nagar Pond	300 m ²
9	17	Vinayagapuram Burial Ground - Pond	3082 m ²
10	17	Vadaperumbakkam Samuvel nagar Burial Ground - Pond	2381 m ²

11	17	Kathakuzhi Burial Ground - Pond	5683 m ²
12	17	Kosapur Sree Vempuliamman koil kulam - Pond	6381 m ²
13	17	Kosapur Sree Chelliamman koil kulam - Pond	4382 m ²
14	17	Theeyambakkam - Pond	1632 m ²
15	17	Theeyambakkam Gandhinagar - Pond	4834 m ²
16	17	Chinna thoppu - Pond	4632 m ²
17	17	Chettimedu (Gnayiru Road) Near Sakthiamman koil - Pond	1362 m ²
18	17	Vadaperumabakkam – Pond	2482 m ²
19	18	Harikrishnapuram - Pond	1950 m ²
20	19	Kulakarai - Pond	2760 m ²
21	19	Teachers Colony - Pond	1311 m ²
22	19	Omakulam - Pond	6025 m ²
23	19	Masillamani Nagar - Pond	3595 m ²
24	19	Ellatharasi Street , Manjambakkam	2689.05 m ²
25	19	Pillayara Koil Street, Manjambakkam	1263.6 m ²
26	19	Manjambakkam- Pond	9800 m ²
27	20	Chockammalkulam - Pond	6881 m ²
28	21	Vaniyankulam Pond (Under Court Case)	1440 m ²
29	21	Jalakandamaraimman Koil Street - Pond	2300 m ²

(b) Lakes

SI No	Ward No	Name of other water bodies	Length / Area
1	16	Sadayankuppam - Lake	PWD
2	16	Kadapakkam - Lake	PWD
3	20	Manali Lake	TANUVAS

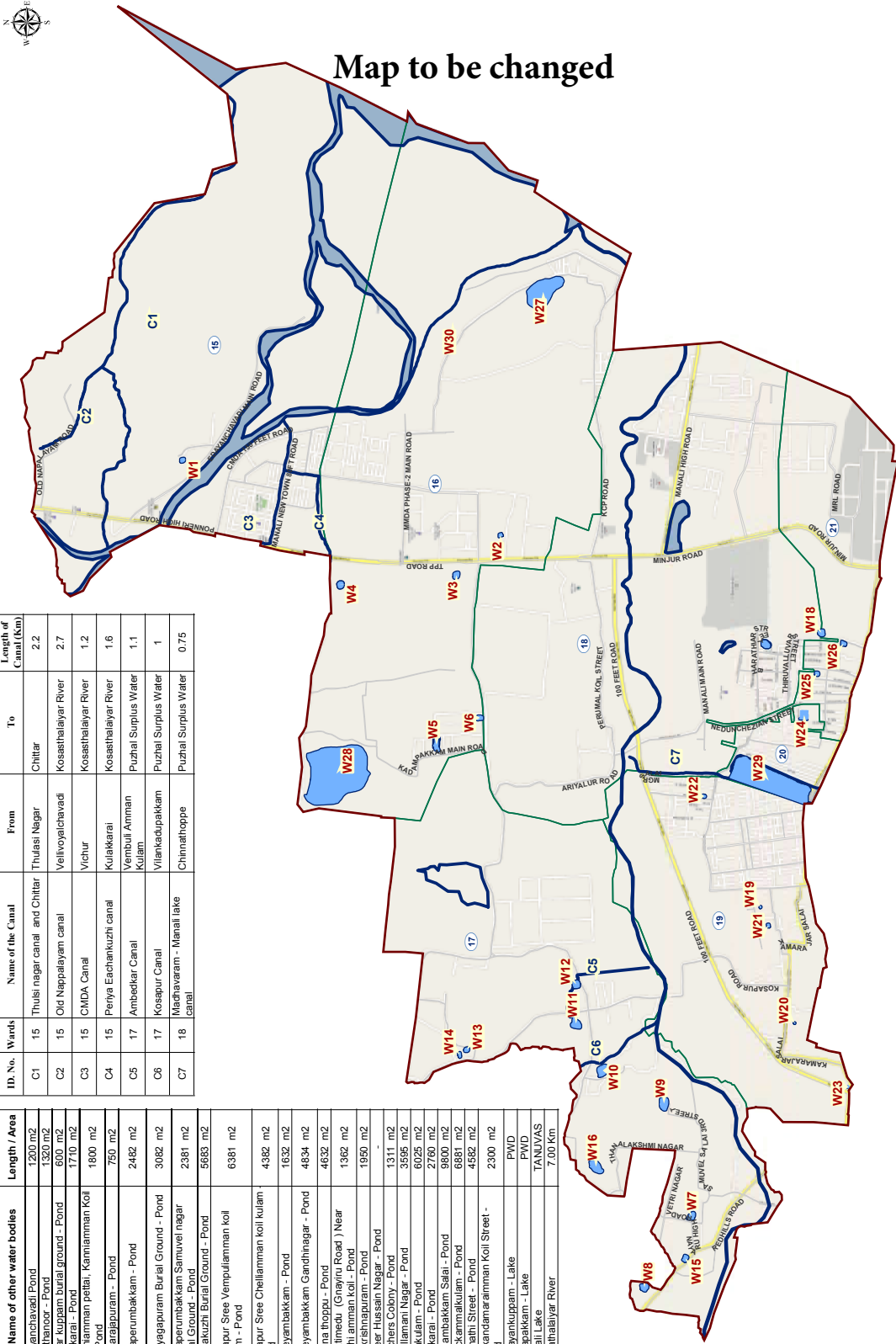
ZONE II - WATER BODIES

OTHER WATER BODIES

ID. No.	Ward	Name of other water bodies	Length / Area
W1	15	Edavanchavadi Pond	1200 m2
W2	16	Elanthanoor - Pond	1300 m2
W3	16	Anjar kuppam burial ground - Pond	600 m2
W4	16	Kulakarai - Pond	1710 m2
W5	16	Kanniamman pettai, Kanniamman Koll - Pond	1800 m2
W6	16	Kanarajapuram - Pond	750 m2
W7	17	Vadaperumbakkam - Pond	2482 m2
W8	17	Vinayagapuram Burial Ground - Pond	3082 m2
W9	17	Vadaperumbakkam Samuvel nagar Burial Ground - Pond	2381 m2
W10	17	Kathakuzhi Burial Ground - Pond	5653 m2
W11	17	Kosapur Stee Cheilamman koll kulam - Pond	6381 m2
W12	17	Kosapur Stee Cheilamman koll kulam - Pond	4382 m2
W13	17	Theeyambakkam - Pond	1632 m2
W14	17	Theeyambakkam Gandhinagar - Pond	4834 m2
W15	17	Chinna thoppur - Pond	4632 m2
W16	17	Chettimedu (Gnayiru Road) Near Sakthi amman koll - Pond	1362 m2
W17	18	Farkishapuram - Pond	1950 m2
W18	18	Zameer Hussain Nagar - Pond	
W19	19	Teachers Colony - Pond	1311 m2
W20	19	Masilanani Nagar - Pond	3895 m2
W21	19	Onakulam - Pond	6025 m2
W22	19	Kulakarai - Pond	2760 m2
W23	19	Manjambakkam Salai - Pond	9800 m2
W24	20	Chockammakulam - Pond	6881 m2
W25	21	Sannathi Street - Pond	4582 m2
W26	21	Jalekandam airman Koll Street - Pond	2300 m2
W27	16	Sadayankuppam - Lake	PWD
W28	16	Kadappaikam - Lake	PWD
W29	20	Manali Lake	TANUVAS
W30	16	Kosathalayar River	7.00 Km

CANAL

ID. No.	Wards	Name of the Canal	From	To	Length of Canal (Km)
C1	15	Thulasi nagar canal and Chittar	Thudasi Nagar	Chittar	2.2
C2	15	Old Nappalayam canal	Vellivoylachavadi	Kosathalayar River	2.7
C3	15	CMDA Canal	Vichur	Kosathalayar River	1.2
C4	15	Periya Echchakuzhi canal	Kulakarai	Kosathalayar River	1.6
C5	17	Vembul Amman Kullam Canal	Vembul Amman Kullam	Puzhal Surplus Water	1.1
C6	17	Kosapur Canal	Vilankadupakkam	Puzhal Surplus Water	1
C7	18	Machavaram - Manali lake Canal	Chinnathoppe	Puzhal Surplus Water	0.75



Map to be changed

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone. However there are Katcha drain and in few places SWD are available. Construction of SWD in this area is covered under Kosasasthalaiyar Basin for which fund tie up is under study from JICA.

176 storm water drains to a length of 52.12 Km were constructed to ease the flow of rain water in Manali zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in 'Km'
1	15	12	2.175
2	16	6	4.87
3	17	2	2.90
4	18	95	11.76
5	19	21	12.50
6	20	50	8.52
7	21	36	8.185
	Total	222	50.91

Water stagnated streets in the previous monsoon - heavy rain fall

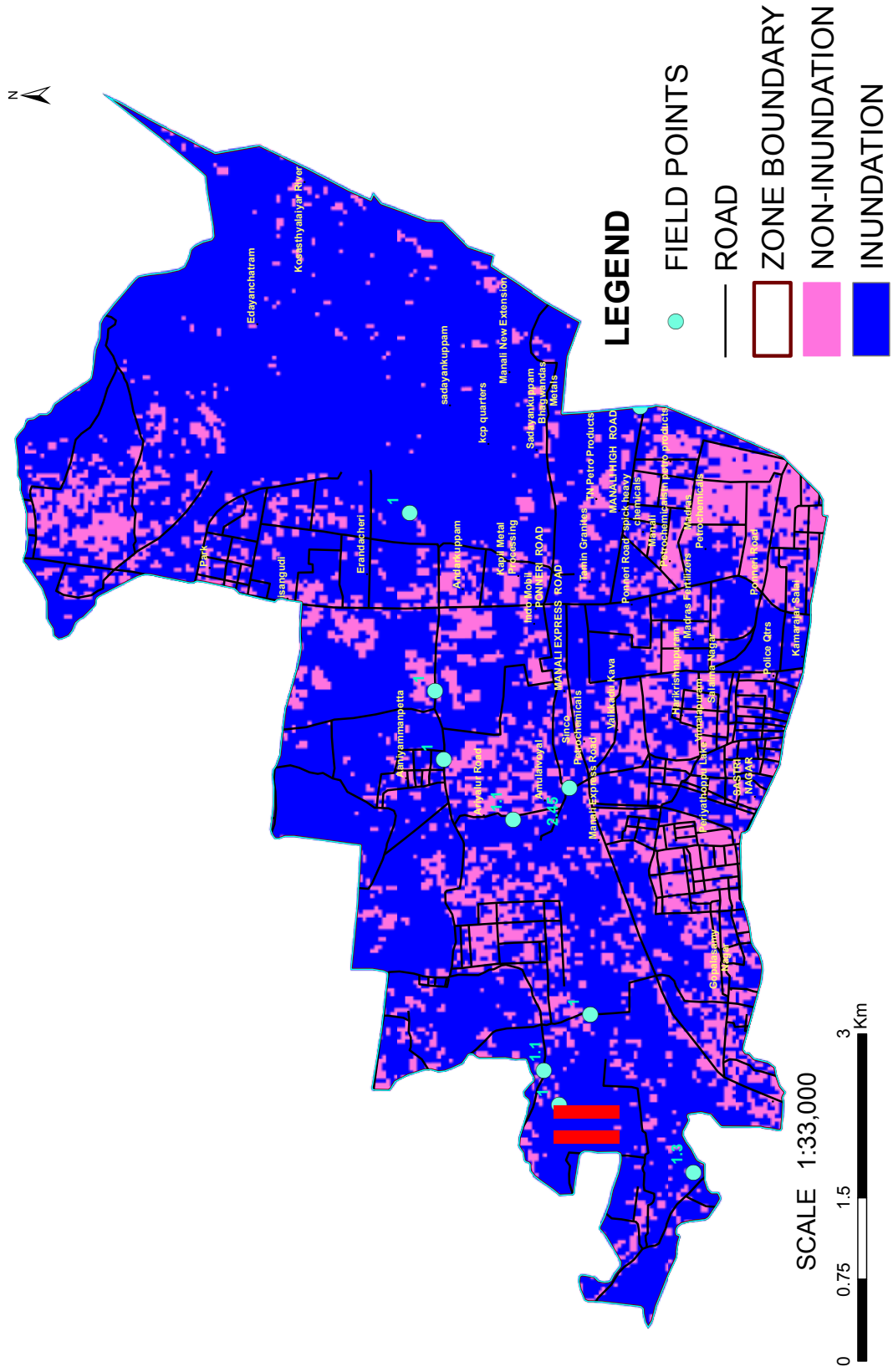
During the last monsoon, 4 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone. The identified vulnerable spots and the actions taken to dispose the rain water in each location are as below,

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	15	Manali New Town 29, 28, 30 and 31 st Street	5 HP	At the Street Corner	Near by SWD
2	15	Manali New Town Block No : 73	5 HP	At the Street Corner	Near by SWD

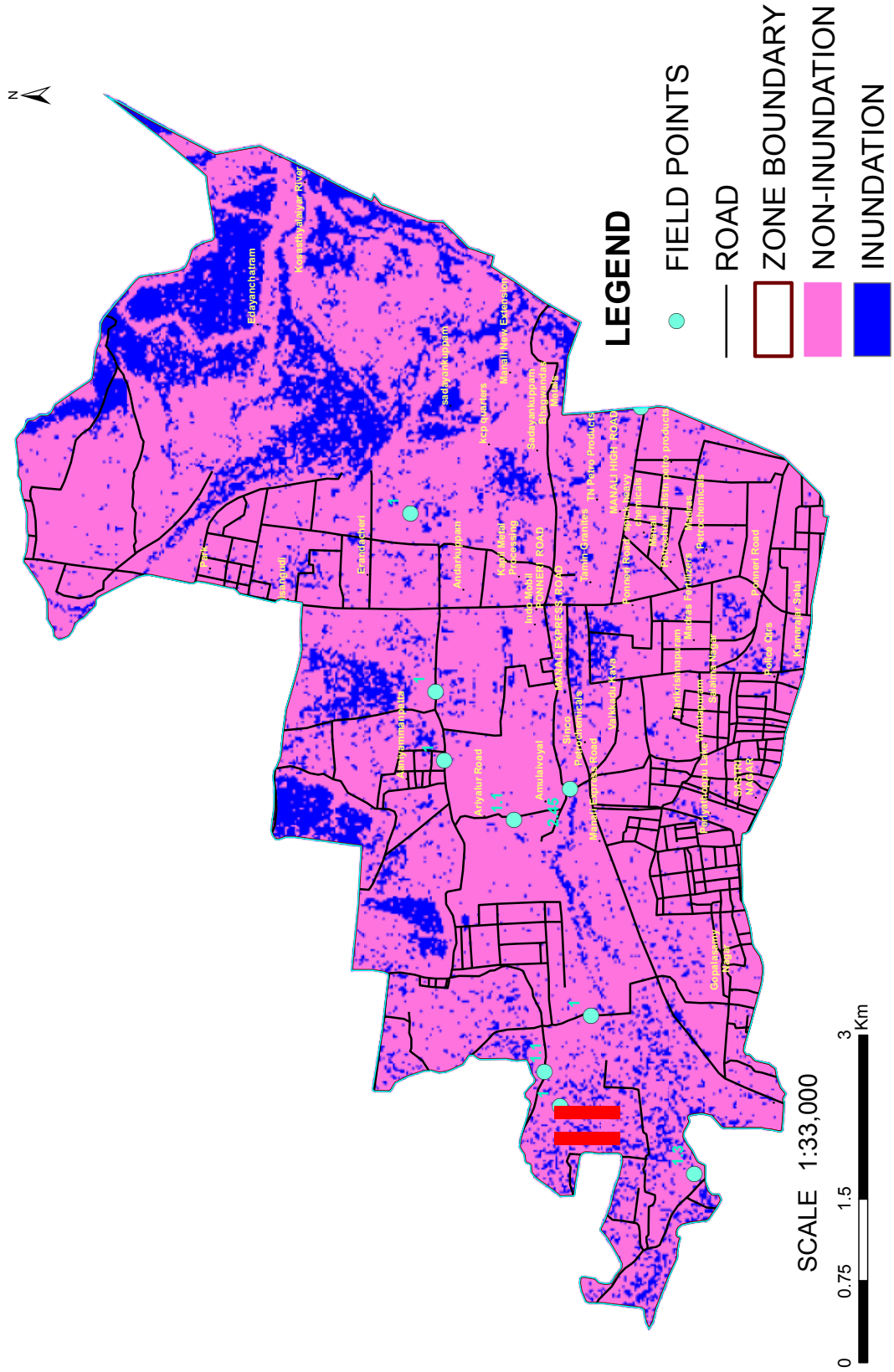
S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
3	15	Manali New Town 80 Feet Road Milk Booth	7.5 HP	At the Street Corner	Near by SWD
4	15	Lakshmi Nagar	7.5 HP	At the Street Corner	Near by SWD
5	16	Sadayankuppam , Irular Colony and Burma Nagar	7.5 HP	At the Street Corner	Near by Canal
6	16	Kanniammanpet , Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar	12 HP	At the Street Corner	Near by SWD
7	17	Vadaperumbakkam, Chettimedu	5 HP	At the Street Corner	Near by SWD
8	17	Kosappur	5 HP	Kosappur	Near by SWD
9	18	Labbaimedu Shake, ansari Street, Puzhal Union Road	5 HP	At the street corner.	nearby Storm Water Drain
10	18	Salaima Nagar	5 HP	At the street corner.	nearby Storm Water Drain
11	18	Harikrishnapuram	5 HP	At the Street Corner	Near by SWD
12	19	Balasubramanian Nagar	7.5 HP	At the Street Corner	Near by Canal
13	19	MMDA 46th Street	5 HP	At the street corner.	nearby Storm Water Drain
14	19	Apollo Armstrong Nagar	6 HP	At the street corner.	nearby Storm Water Drain
15	20	Otraivada Street	5 HP	At the Street Corner	Near by Canal
16	20	New MGR Street	6 HP	At the Street Corner	Near by Canal
17	21	Poongavanam Street and Jalakanda mari amman koil Street	7 HP	At the Street Corner	Near by Canal

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

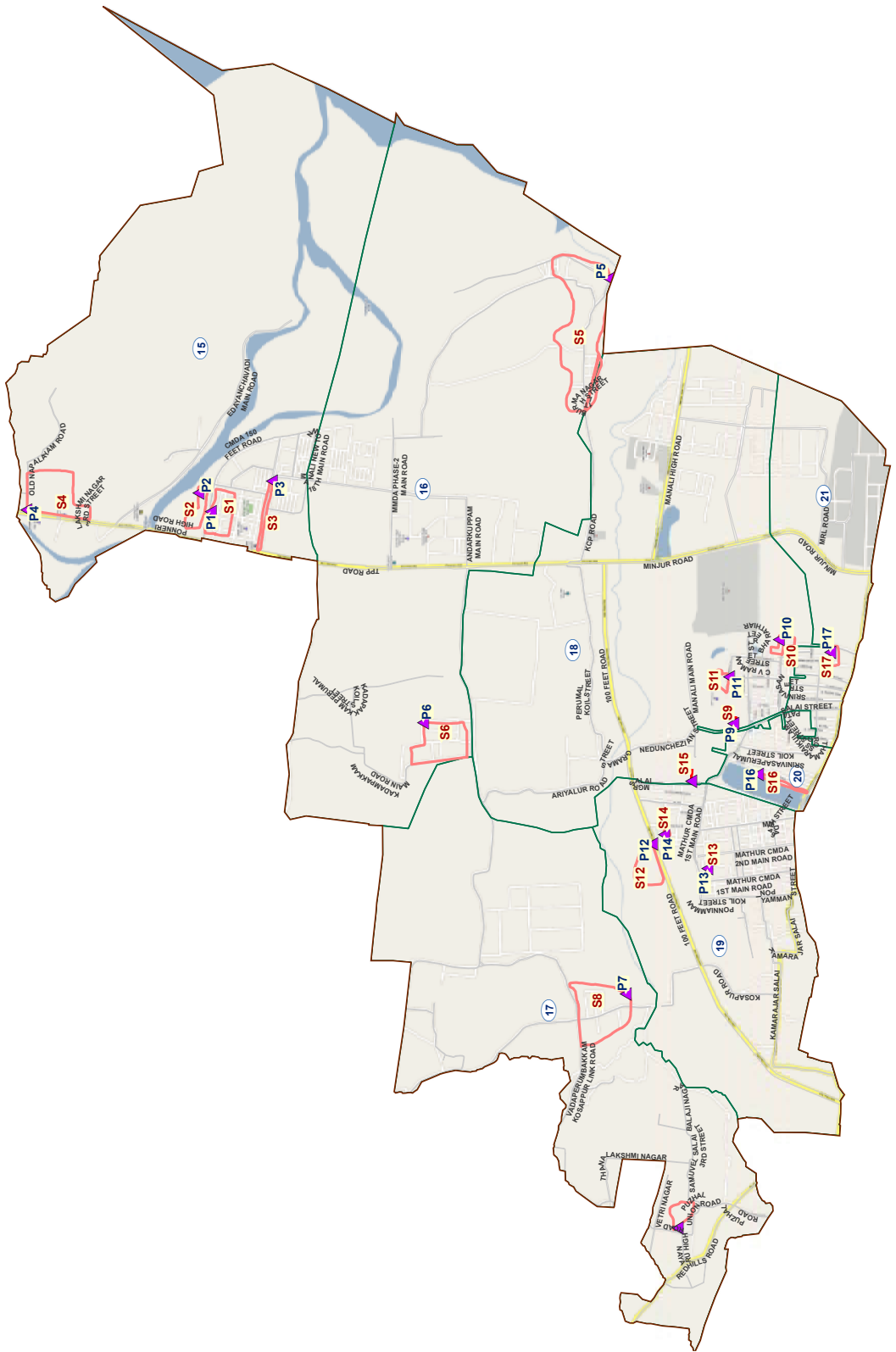
**INUNDATION EXTENT ON 3RD DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE**



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE II ROADS/STREET PRONE TO INUNDATION & LOCATION OF PUMP



▲ Location of Diesel Pump Location

□ Streets where water stagnated in the previous monsoon

Water stagnated streets in the previous monsoon - Mild Rainfall – Nil**Water stagnated streets in the previous monsoon - Moderate Rainfall**

S.No.	Ward	Name of the Street
1	15	Lakshmi Nagar
2	16	Irular Colony
3	17	Puzhal Union Road
4	18	Salaima Nagar
5	19	Apollo Armstrong Nagar
6	20	New MGR Street
7	21	Poongavanam Street and Jalakanda mari amman koil Street

Stagnation of water in streets due to sewer blocks

There are no sewer block in Manali

Relief Centres

There are 12 relief centres to a total capacity of 3040 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

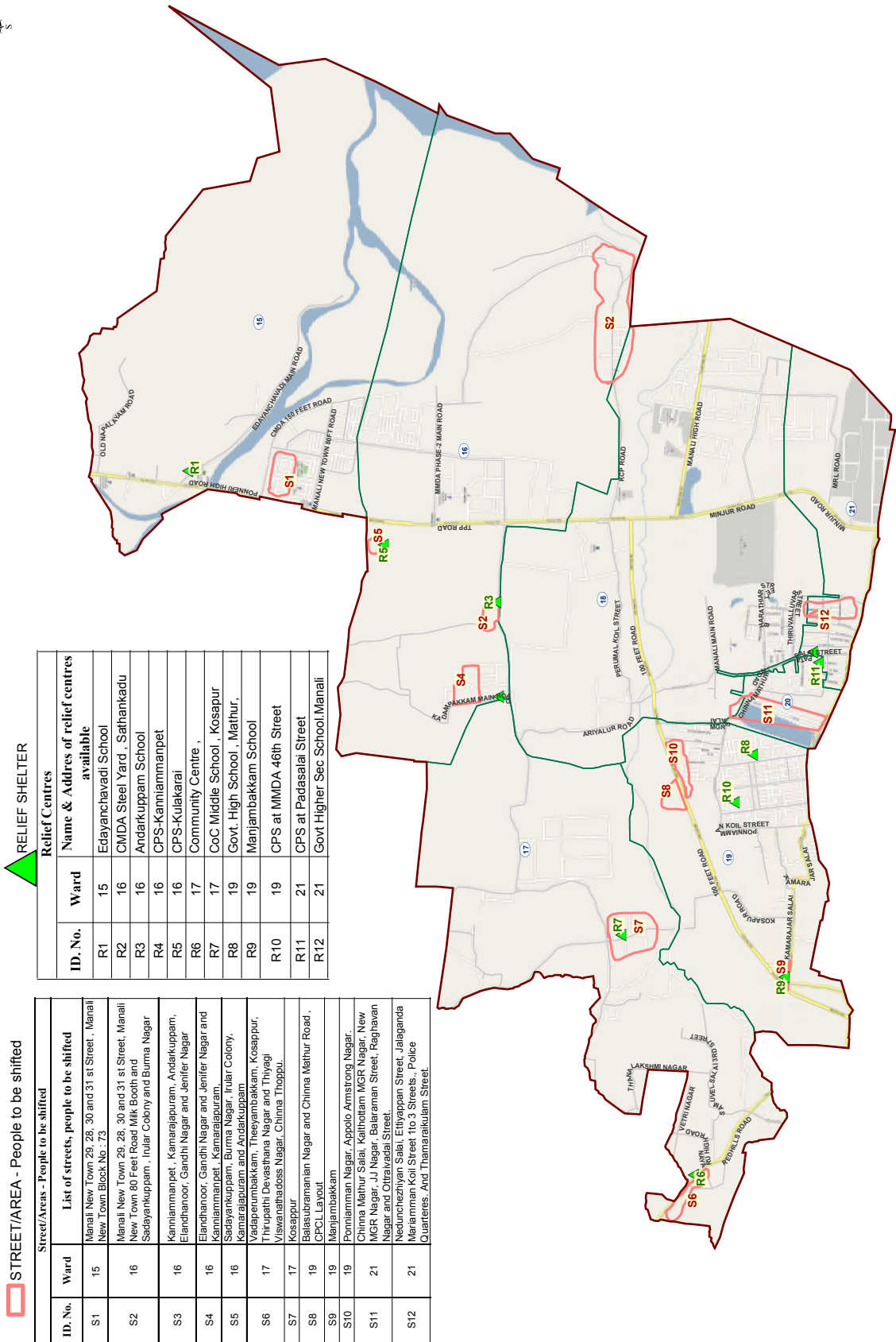
Sl. No.	Dn. No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
1	15	230	Edayanchavadi School	Manali New Town 29, 28, 30 and 31 st Street , Manali New Town Block No : 73	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Junior Engineer	9445190315
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
2	16	500	CMDA Steel Yard , Sathankadu	Manali New Town 29, 28, 30 and 31 st Street, Manali New Town 80 Feet Road Milk Booth and Sadayankuppam , Irular Colony and Burma Nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Assistant Engineer	9445190316
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104

Sl. No.	Dn. No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
3	16	300	Andarkuppam School	Kanniammanpet, Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Assistant Engineer	9445190316
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
4	16	150	CPS-Kanniammanpet	Elandhanoor, Gandhi Nagar and Jenifer Nagar and Kanniammanpet , Kamarajapuram,	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Assistant Engineer	9445190316
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
5	16	350	CPS-Kulakarai	Sadayankuppam, Burma Nagar, Irular Colony, Kulakkarai, Kamarajapuram and Andarkuppam	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Assistant Engineer	9445190316
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
6	17	100	Community Centre, Vadaperumbakkam	Vadaperumbakkam, Theeyambakkam, Kosappur, Thirupathi Devasthanam Nagar and Thiyagi Viswanathadoss Nagar, Chinna Thoppu.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Assistant Engineer	9445190317
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104

Sl. No.	Dn. No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
7	17	340	CoC Middle School, Kosapur	Kosappur	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Assistant Engineer	9445190317
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
8	19	200	Govt. High School , Mathur,	Balasubramanian Nagar and Chinna Mathur Road , CPCL Layout	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818
								Evacuation	Assistant Engineer	9445190319
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
9	19	120	Manjambakkam School	Manjambakkam	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818
								Evacuation	Assistant Engineer	9445190319
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105

Sl. No.	Dn. No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
10	19	100	CPS at MMDA 46th Street	Ponnamman Nagar, Appolo Armstrong Nagar.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818
								Evacuation	Assistant Engineer	9445190319
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
11	21	200	CPS at Padasalai Street	Chinna Mathur Salai, Kalthottam MGR Nagar, New MGR Nagar, JJ Nagar, Balaraman Street, Raghavan Nagar and Ottraivadai Street.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818
								Evacuation	Assistant Engineer	9445190321
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
12	21	450	Govt Higher Sec School.Manali	Nedunchezhiyan Salai, Ettiyappan Street, Jalaganda Mariamman Koil Street 1to 3 Streets., Police Quarteres. And Thamaraiikulam Street.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025820
								Evacuation	Assistant Engineer	9445190321
								Food	Assistant Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105

ZONE II EVACUATION & RELIEF SHELTERS



RELIEF SHELTER

Relief Centres	
ID. No.	Name & Address of relief centres available
R1	Ward 15
R2	Edayanchavadi School
R3	CMDA Steel Yard , Sathankadu
R4	Andarkuppam School
R5	CPS-Kanniammanpet
R6	CPS-Kulakarai
R7	Community Centre
R8	CoC Middle School , Kosapur
R9	Govt. High School , Mathur.
R10	Manjambakkam School
R11	CPS at MMDA 46th Street
R12	CPS at Pedasalai Street
R12	Govt Higher Sec School, Manali

STREET/AREA - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	15	Manali New Town 29, 28, 30 and 31 st Street , Manali New Town Block No. 173
S2	16	Manali New Town 29, 28, 30 and 31 st Street, Manali New Town 80 Feet Road Milk Booth and Sadayarkuppam , Inlur Colony and Burma Nagar
S3	16	Kanniamanpet , Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar and Kanniamanpet, Kamarajapuram.
S4	16	Elandhanoor, Gandhi Nagar and Jenifer Nagar and Kanniamanpet, Kamarajapuram.
S5	16	Sadayarkuppam, Burma Nagar, Inlur Colony, Kamarajapuram and Andarkuppam
S6	17	Vadaperambakkam, Theyyambakkam, Kosappur, Thirupathi Devasthanam Nagar and Thiyyagi Viswanathadesa Nagar, Chinna Thibpu.
S7	17	Kosappur
S8	19	Baiaubramanian Nagar and Chinna Mathur Road , CPCL Layout
S9	19	Manjambakkam
S10	19	Ponnamman Nagar, Appolo Armstrong Nagar.
S11	21	Chinna Mathur Salai, Kalihottam MGR Nagar, New MGR Nagar, JJ Nagar, Balaraman Street, Raghavan Nagar and Otrivadaal Street.
S12	21	Nedunchezhyan Salai, Ettivappan Street, Jalaganda Maniamman Koil Street 1to 3 Streets, Police Quarters, And Thamarakulam Street.

Subway

There is no subway as of now available in this zone.

Tree fall

During the last monsoon, in Manali zone totally 6 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	20	Kamaraj Salai
2	19	MMDA 3 rd Main Road
3	17	Ariyalur Road

Streets - where water entered houses - do not require evacuation

During the last monsoon, 8 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 8 locations were inundated for more than a day by which the normal day to day activity of 3500 people were stand stilled. Flood water from these areas was cleared by using 15 pumps ranging from 5 HP to 7.5 HP capacity. The identified vulnerable spots is as below,

SI.No.	Ward/Name	Name of the area/ streets
1	15 Edayanchavadi	Lakshmi Nagar
2	17 Vadaperumbakkam	Puzhal Union Road
3	18 Manali	Salaima Nagar
4	18 Manali	CPCL Layout
5	19 MMDA Mathur	Apollo Arm strong Nagar
6	20 Manali	New MGR Street
7	20 Manali	Balaraman Street
8	21 Manali	Poongavanam Street and Jalakanda mari amman koil Street

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Manali zone there were 1565 people were evacuated from Edayanchavadi Andarkuppam and they were accommodated in CMDA Steel Yard, Sathankadu, Manali and MMDA Mathur are accommodated in CPS at Padasalai Street and Govt. High School , Mathur. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations of relief centers are given below.

Sl. No.	ward /Name	Streets	No. of persons	Year	Relief centre
1	15 Edayanchavadi	Manali New Town 29, 28, 30 and 31 st Street	42	2015	CMDA Steel Yard , Sathankadu
2	15 Edayanchavadi	Manali New Town Block No : 73	63	2015	Edayanchavadi School
3	15 Edayanchavadi	Manali New Town 80 Feet Road Milk Booth	120	2015	CMDA Steel Yard , Sathankadu
4	16 Andarkuppam	Sadayankuppam , Irular Colony and Burma Nagar	101	2015	CMDA Steel Yard , Sathankadu
5	16 Andarkuppam	Kanniammanpet , Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar	86	2015	CPS- Kanniammanpet, Andarkuppam School
6	17 Vadaperumbakkam	Vadaperumbakkam, Chettimedu, Kosappur	136	2015	Community Centre, Vadaperumbakkam and CoC Middle School , Kosapur
7	18 Manali	Kalaigner Nagar	122	2015	CPS at Padasalai Street
8	18 Manali	Harikrishnapuram	356	2015	CPS at Padasalai Street and Govt Higher Sec School. Manali
9	18 Manali	Salaima Nagar	321	2015	CPS at Padasalai Street
10	19 MMDA Mathur	Balasubramanian Nagar	123	2015	Govt. High School , Mathur,
11	19 MMDA Mathur	Ponnamman Nagar, Chinna Samy Nagar	53	2015	CPS at MMDA 59th Street
12	20 Manali	Govt. High school at Padasalai street	42	2015	Govt. High School , Mathur
		Total	1565		

Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There are 1 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	15 to 17	Assistant Engineer	9445190907
2	18,20,21	Assistant Engineer	9445190905
3	19	Assistant Engineer	9445190906
4	15 to 21	Additional divisional Engineer (Zone)	9445190042
5	15 to 21	Divisional Engineer (HQ)	9445190752

National Disaster Response Force (NDRF)

In Manali zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	15	Manali New Town 80ft Road, Aavin Booth
2	16	Near Unit Office , Andarkuppam
3	17	Near Division Office , Vadaperumbakkam
4	18	Near Division Office , Nedunchezhiyan Street
5	19	Near Division Office, MMDA 2nd Cross Street
6	20	New MGR Nagar Ist street
7	21	Near Unit Office , CPS Padasalai Street

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below

Sl.No.	Ward	Number of boats required with location / evacuation areas	Boats stationed Locations	Contact person & Number AE
1	15	Manali New Town 80 Ft Road , 4 Nos.	Manali New Town near Milk booth	9445190315
2	16	Andarkuppam , Sadayankuppam, Burma Nagar, 4 Nos.	Opposite to CMDA Steel yard	9445190316
3	17	Near Division Office, 2 Nos.	Division Office Vadaperumbakkam	9445190317
4	18	Division Office, Nedunchezhiyan Street, 1 No.	Division Office , Nedunchezhiyan Street	9445190318
5	19	Balasubramaniam Nagar , 1 No.	Chinna mathur Road	9445190319
6	20	1 No. New MGR Nagar Ist street	Division - 20 Office , New MGR Nagar Ist street	9445190320

Transport Equipment & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 2 open lorries and 2 Bob cat are stationed for performing the job. The details of the Lorries available in the zone are given below

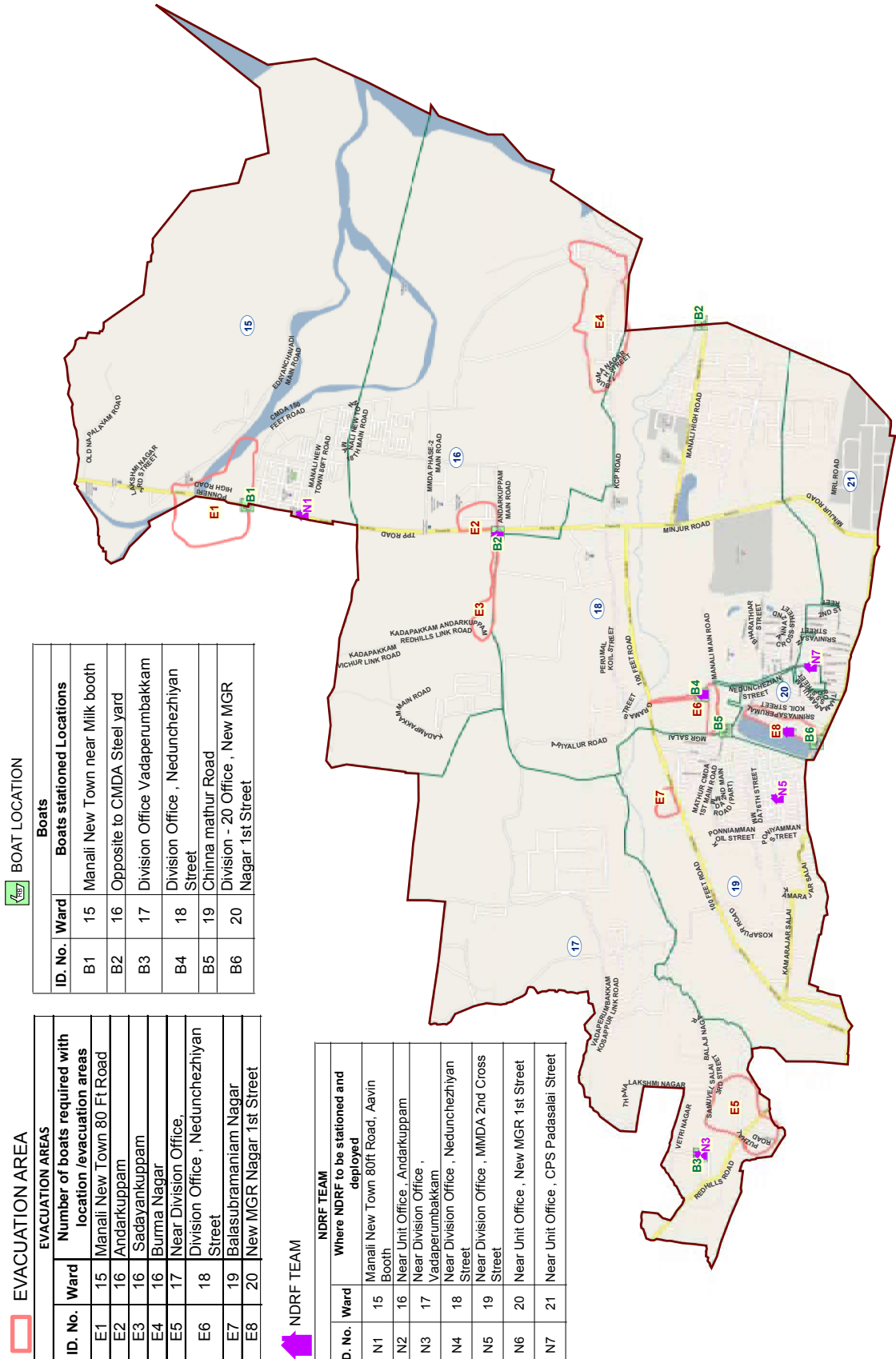
No. of lorries and type kept in readiness
Debris lorry - 2
Skid steer loaders (Bob cat) - 2

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190403	-	2	10-LMV	-

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1	18 Manali	Ekambaram Street 3rd , 4 th , 6 th , 7 th , 8 th Lane and Kalaigner Nagar 2 nd , 9 th Street
2	19 MMDA Mathur	MMDA 18,22,25,30,31,33,34,39,41,42,49,61,65,66,70,71,73,74 ,90,93,110 & 114Street 1st Cross Street
3	20 Manali	Srinivasa perumal koil 5th , 6 th and 8 th cross lane
4	20 Manali	S.P Koil melandai 2nd lane
5	20 Manali	S.P koil kelandai 2 & 3rd lane
6	20 Manali	Lalbaghadhur Shastri 2 nd , 3 rd and 4th cross lane
7	20 Manali	Balaraman 4th lane
8	20 Manali	Srinivasaperumal koil 7th lane
9	20 Manali	Balaraman 5th lane
10	20 Manali	Kamaraj salai cross lane Lane
11	20 Manali	Thamaraikulam 2nd Street 1st
12	21 Manali	Poongavanam Cross Lane
13	21 Manali	Thir.Vi.Ka. Street 1 st , 2 nd , 3 rd , 4 th and 6 th Lane
14	21 Manali	Thir.Vi.Ka. Street to Jalagandamariamman Koil Street Link

ZONE II EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

EVACUATION AREAS	
ID. No.	Ward
E1	15
E2	15
E3	16
E4	16
E5	17
E6	18
E7	19
E8	20

Boats	
ID. No.	Ward
B1	15
B2	16
B3	17
B4	18
B5	19
B6	20

NDRF TEAM

NDRF TEAM	
ID. No.	Ward
N1	15
N2	16
N3	17
N4	18
N5	19
N6	20
N7	21

BOAT LOCATION

Boats	
ID. No.	Ward
B1	15
B2	16
B3	17
B4	18
B5	19
B6	20

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee –15

Ward councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190315
GCC - Electrical	Assistant Engineer	9445190907
GCC- Health	Sanitary Inspector	9445025817
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190515
GCC - Revenue	Tax Collector	9176017058
Revenue	Revenue Inspector	9962131483 9445284639
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	9092668318
TANGEDCO	Junior Engineer	9445850906
BSNL	Assistant Engineer	9445011428
Fire service	Inspector	044-25224266
Police station	Inspector	9498100211
PWD	Assistant Engineer	9486693837
TNSCB	Assistant Engineer	8056464868
Highways	Divisional Engineer	9841702398 9940012048

Ward committee – 16**Ward councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190316
GCC - Electrical	Assistant Engineer	9445190907
GCC- Health	Sanitary Inspector	9445025817
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190516
GCC - Revenue	Tax Collector	9176017058
Revenue	Revenue Inspector	9884667114
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930016
TANGEDCO	Junior Engineer	9445850907
BSNL	Assistant Engineer	9445011428
Fire service	Inspector	044-25224266
Police station	Inspector	044-25931299 / 9498100241
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9841702398 9940012048

Ward committee – 17**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190317
GCC - Electrical	Assistant Engineer	9445190907
GCC- Health	Sanitary Inspector	9445025817
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190517
GCC - Revenue	Tax Collector	9176017058
Revenue	Revenue Inspector	9884667114
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930017
TANGEDCO	Assistant Engineer	9445850875
BSNL	Assistant Engineer	9445693926
Fire service	Inspector	044-25224266
Police station	Inspector	9498100241,9498100240 044-25555085
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9841702398 9940012048

Ward committee – 18**Ward councillor –**

Name of the department		Designation
GCC - Engineering	Assistant Engineer	9445190318
GCC - Electrical	Assistant Engineer	9445190905
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190518
GCC - Revenue	Tax Collector	8015785460
Revenue	Revenue Inspector	7010022739
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930018
TANGEDCO	Junior Engineer	9445850905
BSNL	Assistant Engineer	9445122121
Fire service	Inspector	9445086020
Police station	Inspector	9444174153
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9840547160

Ward committee –19**Ward councillor –**

Name of the department		Designation
GCC - Engineering	Assistant Engineer	9445190319
GCC - Electrical	Assistant Engineer	9445190906
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190515
GCC - Revenue	Tax Collector	9840655487
Revenue	Revenue Inspector	7010022739
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930019
TANGEDCO	Junior Engineer	9445850877
BSNL	Assistant Engineer	9445011428
Fire service	Inspector	9445086020
Police station	Inspector	9498143642
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9840547160

Ward committee – 20**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190320
GCC - Electrical	Assistant Engineer	9445190905
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190520
GCC - Revenue	Tax Collector	8015785460
Revenue	Revenue Inspector	7010022121
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930019
TANGEDCO	Junior Engineer	9445850905
BSNL	Assistant Engineer	9445122121
Fire service	Inspector	9445086020
Police station	Inspector	9498143642
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9840547160

Ward committee – 21**Ward councillor -**

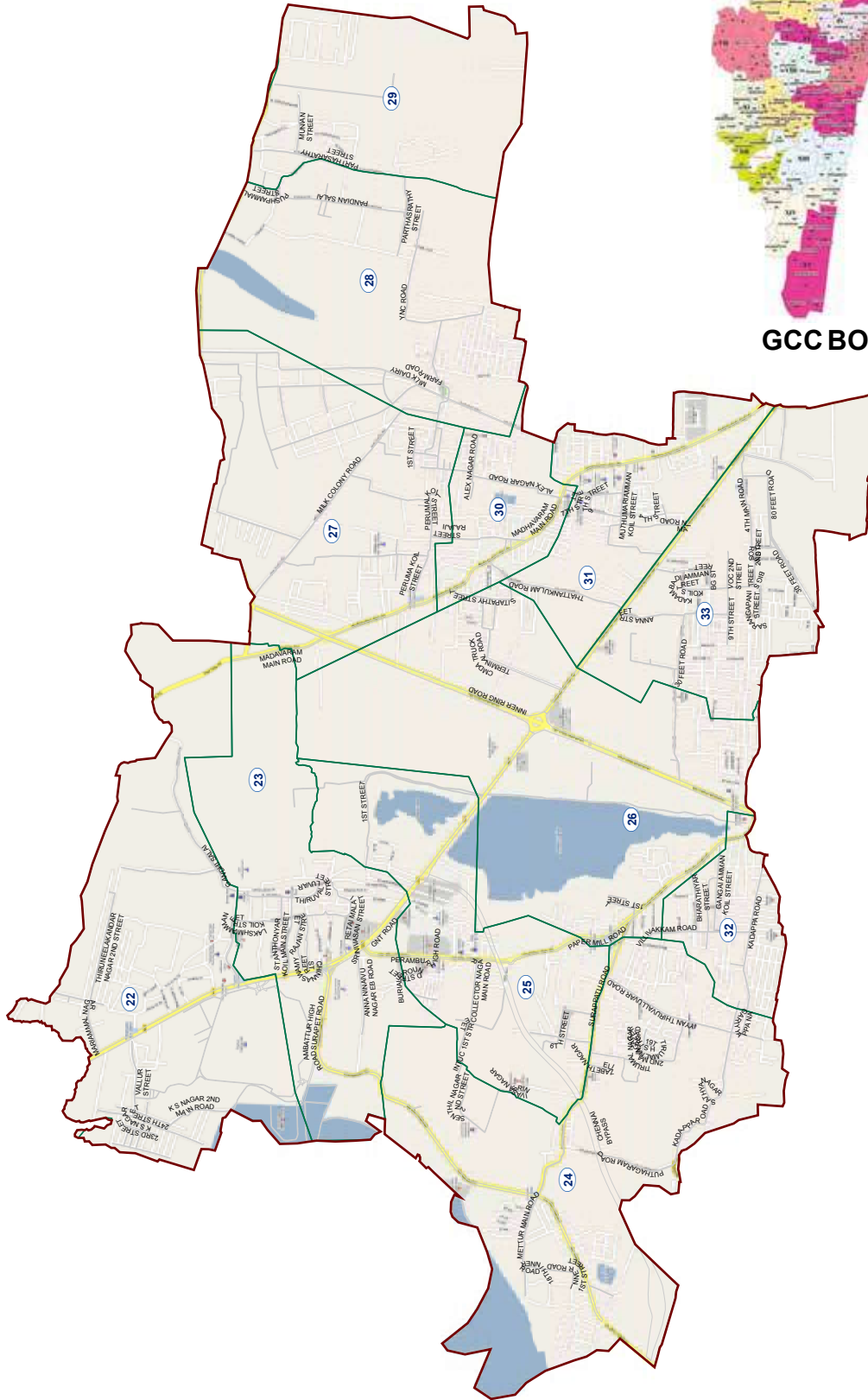
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190321
GCC - Electrical	Assistant Engineer	9445190905
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190521
GCC - Revenue	Tax Collector	8015785460
Revenue	Revenue Inspector	7010022739
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930019
TANGEDCO	Junior Engineer	9445850905
BSNL	Assistant Engineer	9445122121
Fire service	Inspector	044-25941147
Police station	Inspector	9498143642
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9840547160

ZONE - III

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ZONE III - WARD BOUNDARY



GCC BOUNDARY

NAME OF THE ZONE	WARD NUMBER
Madhavaram	22 TO 33

Profile

The Madhavaram zone lies in **Latitude 13.147819°**, **Longitude 80.230986°** covering an area of **40.55 Sq.km**.

There are 2737 roads, out of which 2727 roads to a length of 438.22 Km are Interior Roads, 5 Roads to a length of 6.36 Km are Bus Route Roads which are maintained by GCC and the remaining 3 roads are under the maintenance of Highways department and 2 roads are under NHAI.

The population is about 1.96 lakhs that has Male population of about 50.99 % and Female population of about 49.01 %. The most dense area in the zone is Ponniaman Medu with a population of 22,439 and the least in Udayar thottam with a population of 12,280. The Ward wise population of the zone is given below.

Sl.No.	Ward No./Name	Total House Holds	Total Population
1	22 Kavangarai	6272	25980
2	23 Puzhal	3248	15360
3	24 Soorapet	13055	49676
4	25 Kathirvedu	4028	16676
5	26 Thanikachalam Nagar	7239	21816
6	27 Alex Nagar	4682	15672
7	28 Arul nagar	5812	13780
8	29 Chinnasekkadu	3068	14400
9	30 Madhavaram	4650	12792
10	31 Udayar Thottam	4545	12280
11	32 Lakshmipuram	5150	16656
12	33 Ponniamman Medu	7512	27648
TOTAL		69261	242736

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by one Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	22 to 33	9445190003

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-6, 8	8056072794
1	Executive Engineer-2	U-7	9445190023
2	Assistant Executive Engineer	U-6 (22,23,24,25)	9445190106
3	Assistant Executive Engineer	U-7 (26,27,28,29)	9445190107
4	Assistant Executive Engineer	U-8 (30,31,32,33)	9445190108

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage. maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	22, 23, 24, 25	9445191406
2.	Conservany supervisor	26, 27, 28, 29	9445191407
3.	Conservany supervisor	30, 31, 32,33	9445191408

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone III	9445190061
2	Veterinary Surgeon	Zone III	9445026042
3	Senior Entomologist	Zone III	9445025818
4	Assistant Health Officer	Zone III	9445190063
5	Sanitary Officer	22,23,24,25	9445190683
6	Sanitary Officer	26,27,28,29	9445025832
7	Sanitary Officer	30, 31, 32, 33	9445025830

Parks

There are 33 Parks available in Madhavaram. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone are given below.

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445071064	Telescopic tree Pruner-3, Chain saw tree cutting machine-3	Ward (22 to 33)

S.No	Ward	Name Of Ward	Location of the Park
1	22	Puzhal	Gurusanthi Nagar
2	22	Puzhal	Macro Marvel 1st Cross Street
3	22	Puzhal	Macro Marvel 2nd Cross Street
4	22	Puzhal	Macro Marvel Phase III
5	23	Puzhal	Gangadharan Street
6	23	Puzhal	Ambattur Red Hills Road
7	23	Puzhal	Thiruvalluvar Street
8	24	Soorapettu	DG Nagar
9	24	Surapet	Lakshmiammann Nagar
10	25	Surapet	Padmavathi Nagar
11	25	Surapet	Birla Avenue
12	25	Kathirvedu	Padmavathy Nagar
13	25	Kathirvedu	Srinivasan Nagar
14	25	Kathirvedu	Collector Nagar
15	26	Lakshmpuram	Secretariate colony
16	26	Lakshmpuram	Burial Ground Road (Canal Side Park)
17	28	Madhavaram	Padmagiri Nagar
18	28	Periyasekkadu	Krishna Nagar Park & Play Ground
19	30	Madhavaram	Sivasakthi Nagar
20	30	Madhavaram	Ring Road Housing Sector
21	30	Madhavaram	V.R.D. Nagar Park
22	30	Madhavaram	RC Flats Arul Nagar
23	30	Madhavaram	VS Mani Nagar, Phase II
24	30	Madhavaram	VS Mani Nagar, Phase III
25	30	Madhavaram	VS Mani Nagar, 80 feet Road, 4th Main Rd
26	31	Madhavaram	RC Flats
27	31	Madhavaram	K.K.R. Nagar 1st Main Road
28	31	Madhavaram	K.K.R Garden 2nd Main Road
29	32	Lakshmpuram	Teachers Colony 4th Cross St
30	32	Lakshmpuram	Teachers colony 6th Main Road
31	33	Lakshmpuram	VGP Nagar Main Road
32	33	Lakshmpuram	Selvam Nagar Extension
33	33	Lakshmpuram	Thanickachalam Nagar B Blk 6th M R
34	33	Madhavaram	Thanigachalam Nagar Tryangular Park

Sewage Pumping Stations

There is no pumping station available in this Zone..

Tamil Nadu Slum Clearance Board tenements

There is no TNSCB tenements available in this Zone..

Water Bodies and Waterways

There are 3 Canals Passing in this zone (1) **Surpat canal** maintained by PWD which originates from Madhanakuppam main road travels about 4 Km in the zone and disposes via Retteri lake, (2) **Retteri surplus canal** maintained by PWD which touches the zone at Retteri bund north to Kosastalayar Basin travels about 4.5 Km in the zone and (3) **Thanikasalam Canal** maintained by PWD which touches the zone at Retteri south runs about 3.5 Km in the zone and disposes through and drain into Kodungaiyur canal.

Greater Chennai Corporation is doing a massive work to de-silting works in all the canals, storm water drain periodically as a precautionary measure in order to face the upcoming monsoon. Storm Water Drains were constructed by GCC for a distance of 13.93 km to ease the flow of rain water. Most of the Locations were flooded during the North-East Monsoon 2015 due to heavy rain, low lying areas (Divisions 26 24 33), overflow of Retteri (Dn.26, 33) and Korattur Lake (Dn.24, 25, 32) surplus water in the canals and insufficient capacity of water bodies.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Surapet Canal	24	Madhanakuppam main road	Retteri lake	4
2	Retteri PWD Canal	25, 23	Retteri Bund North	Kosastalayar Basin	4.5
3	Thanikachalam nagar canal	26-33	Retteri South	Kodungaiyur canal	3.5

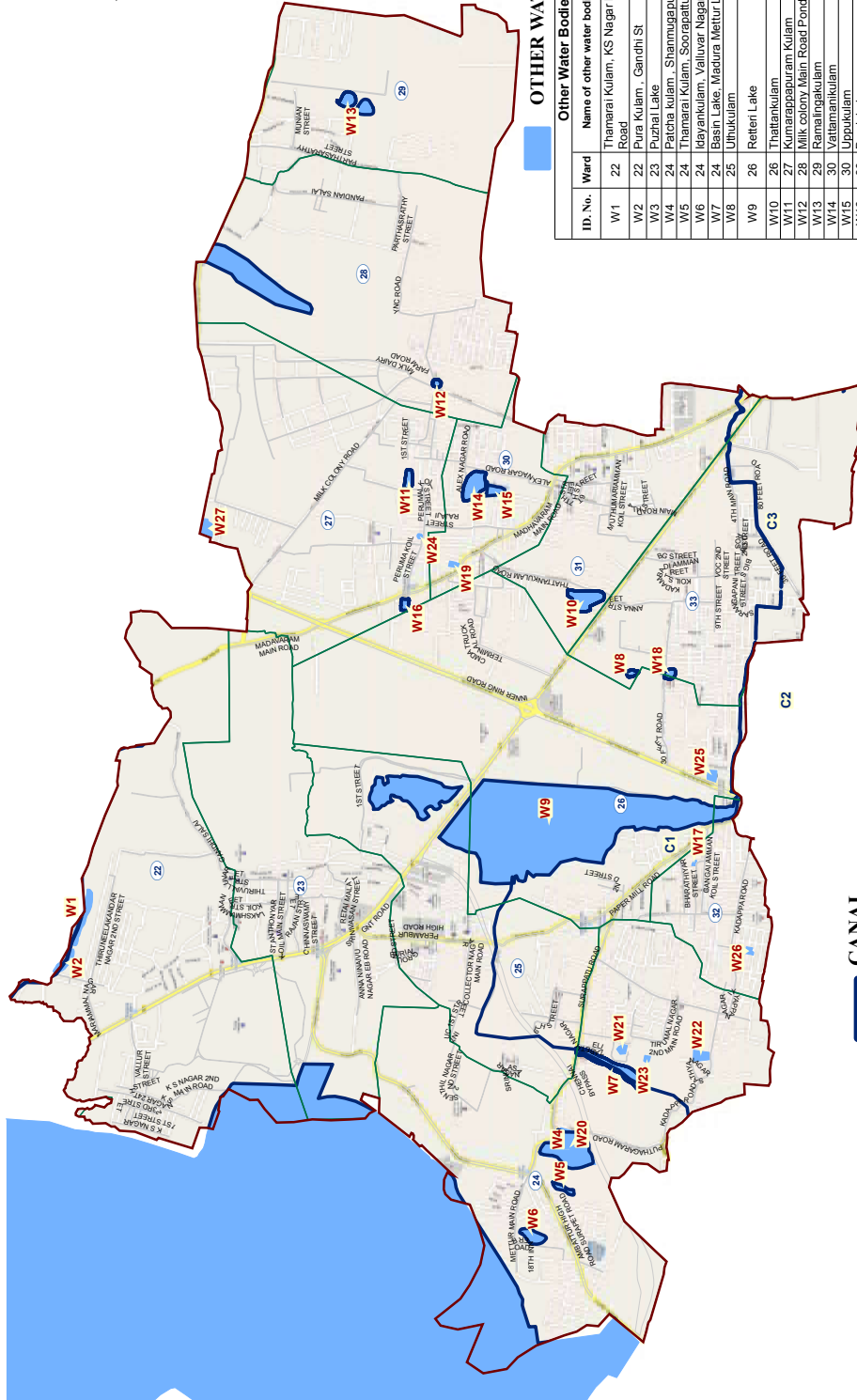
Other water bodies

Sl. No	Dn. No	Name of the Pond/Lake/Tank	Approximate area of the Pond
1	22	Thamarai kulam	12075/1.20
2	22	Pura kulam	7800/0.78
3	24	Thamarai kulam	11526/1.15
4	24	Basin lake	34931/1.15
5	24	Idhayam kulam	5293/0.52
6	24	Chavadi kulam	1411/0.14
7	24	Pacha kulam	7762/0.77
8	24	Molla kulam	940/0.09
9	24	Chella kulam	2038/0.2
10	24	Thangal lake	19171/1.91
11	25	Uttukkulam	5175/0.52
12	25	Thangal lake	569.40
13	26	Omakulam	14349/1.43
14	26	Thattankulam Road (North)	4174/0.43
15	26	Thattankulam Road (South)	2744/0.27
16	26	Charangabani Kulam	1725/0.17
17	26	Thattankulam road and GNT Road Terapanth nagar kulam	1162/0.12
18	26	Swamy Nagar kulam (Nalla thanni Kulam)	6312/0.63
19	27	Perumal Koil Street Kulam (Opp to Perumal koil)	2980/0.29
20	27	Kumarappuram Kulam	4116/0.41
21	27	Ramachanra Nagar Kulam	7214/0.72

22	27	Assisi Nagar Kulam	4234/0.42
23	28	Milk Colony Main Gate Kulam	2862/0.28
24	28	Padavattamman Koil Street Kulam	1999/0.19
25	29	Ramalingaswamy kulam	1019/0.1
26	30	Athi Kulam	13173/1.32
27	30	Vattamani Kulam	11526/1.15
28	30	Panda Kulam	6199/0.62
29	30	Ring Road sector kulam	650/0.065
30	30	Pillayar Koil Kulam	5018/0.5
31	30	Uppu Kulam	1921/0.19
32	31	Jangiri shop kulam	4039/0.4
33	32	Swamiyar Nagar Kulam	1203/0.12
34	32	Teachers Colony kulam	2299/0.23
35	33	Kullappam kulam	5862/0.59
36	33	GNT Road Kulam	998/0.099
37	33	St. Anne's College Kulam	6356/0.64
38	27	Eswaran koil street kulam	1788/0.18
39	27	Perumal Koil Street Manjambakkam main road	2627/0.26
40	27	North Telephone colony kulam	2422/0.24
41	30	Bharathiyar street Kulam	1805.75/0.18
42	31	Moolakadai Kulam	24694.70/2.46

ZONE III - WATER BODIES

map to be changed



OTHER WATER BODIES

ID. No.	Ward	Name of other water bodies	Name of other water bodies	Area of other water bodies
W1	22	Thamarai Kulam, KS Nagar Main Road	Thamarai Kulam, KS Nagar Main Road	12464 m ²
W2	22	Pura Kulam	Pura Kulam	8080 m ²
W3	23	Purba Lake	Purba Lake	(4500 acres)
W4	24	Partha Kulam	Shammugapuram	2400 m ²
W5	24	Thamarai Kulam, Soorapattu Main	Soorapattu Main	35 Grounds
W6	24	Idayankulam, Velluvai Nagar	Velluvai Nagar	240 m ²
W7	24	Basin Lake, Madura Mettur Link	Basin Lake, Madura Mettur Link	30 Grounds
W8	25	Unthukulam	Unthukulam	150 Acres
W9	26	Retteri Lake	Retteri Lake	(700 acres)
W10	26	Thattankulam	Thattankulam	632302 m ²
W11	27	Kummapuram Kulam	Kummapuram Kulam	150 acres
W12	28	Milk colony Main Road Pond	Milk colony Main Road Pond	4150 m ²
W13	29	Rama Inpakulam	Rama Inpakulam	540 m ²
W14	30	Vattamanikulam	Vattamanikulam	294 acres
W15	30	Upukulam	Upukulam	0.50 acre
W16	30	Paadukulam	Paadukulam	1.58 acre
W17	32	Kumarai SI (Gamiyar Kulam)	Kumarai SI (Gamiyar Kulam)	0.10 acre
W18	33	Kullappankulam	Kullappankulam	1.49 acre
W19	30	Athikulam	Athikulam	0.5 acre
W20	24	Thangal lake, Puthagaram	Thangal lake, Puthagaram	48570 m ²
W21	24	Chelakulam, Thirumal Nagar	Chelakulam, Thirumal Nagar	16185 m ²
W22	24	Savad Kulam, Kadappa Road	Savad Kulam, Kadappa Road	11815 m ²
W23	24	Mulakulam, Kamarajar Nagar	Mulakulam, Kamarajar Nagar	12850 m ²
W24	27	Perumal Koli Street Kulam	Perumal Koli Street Kulam	3800 m ²
W25	26	Samy Nagar Kulam	Samy Nagar Kulam	1800 m ²
W26	32	Teachers Colony Kulam, 4th Main Road	Teachers Colony Kulam, 4th Main Road	7700 m ²
W27	27	/Assisi Nagar Kulam	/Assisi Nagar Kulam	4160 m ²

CANAL

Canals					
ID. No.	Wards	Name of the Canal	From	To	Length of Canal (km)
C1	24	Surapet Canal	Madhanakuppam main road	Retteri lake	4km
C2	32	Retteri Canal	Retteri south, Lakshmpuram	Kodungaiyur canal	4.5km
C3	32 to 35	Thanikachalam Nagar Canal	Retteri south	Kodungaiyur canal	3.5km

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone. However there are Katcha drain and in few places SWD are available. Construction of SWD in this area is covered under Kosasasthalaiyar Basin for which fund tie up is under study from JICA.

42 storm water drains to a length of 13.933 Km were constructed to ease the flow of rain water in Madhavaram zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in Km
1	22	15	4.776
2	24	2	1.22
3	25	7	2.064
4	26	2	5.40
5	29	1	4.20
6	31	4	4.80
7	33	10	2.731
8	30 & 31	1	2.800
TOTAL		42	13.933

Water stagnated streets in the previous monsoon - heavy rain fall

During the last monsoon, 103 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location are as below,

Water stagnated streets in the previous monsoon - heavy rain fall

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	22	Thirumalai Nagar	5HP	Thirumalai Nagar	Nearby SWD
2	22	Kanchi Arul Nagar	5HP	Kanchi Arul Nagar	Nearby SWD
3	22	Thamizhan Nagar	3HP	Thamizhan Nagar	Nearby SWD
4	22	Thiruneelakandar Nagar	5HP	Thiruneelakandar Nagar	Nearby SWD
5	22	Valluvar Street	3HP	Valluvar Street	Nearby SWD
6	22	Macro Marval Streets	5HP	Macro Marval Streets	Nearby SWD
7	22	Vegitarian Village	5HP	Vegitarian Village	Nearby SWD
8	22	Sakthivel Nagar	10HP	Sakthivel Nagar	Nearby SWD
9	22	Madha Nagar	5HP	Madha Nagar	Nearby SWD
10	22	Devi Nagar	50 HP – 1, JCB - 1	Devi Nagar	Nearby SWD
11	23	EMS Street	5 HP – 1,	EMS Street	Nearby SWD
12	23	Mettu Street	10 HP – 1	Mettu Street	Nearby SWD
13	23	Thiru Veedhi Amman St	10 HP – 1	Thiru Veedhi Amman St	Nearby SWD
14	23	Lakshmi amman Koil St	10 HP – 1	Lakshmi amman Koil St	Nearby SWD
15	23	Othavadai St	JCB – 1	Othavadai St	Nearby SWD
16	23	Thiruppur Kumaran St	20 HP – 2	Thiruppur Kumaran St	Nearby SWD
17	23	Thiruvalluvar St	50 HP – 2	Thiruvalluvar St	Nearby SWD
18	23	Anthoniari Koil St Area	5 HP – 1	Anthoniari Koil St Area	Nearby SWD
19	23	Anna Ninaivu Nagar	JCB – 1	Anna Ninaivu Nagar	Nearby SWD
20	23	Stefen Thirumaran St	10 HP – 1	Stefen Thirumaran St	Nearby SWD

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
21	23	Thalamuthu Natarajan St	5HP	Thalamuthu Natarajan St	Nearby SWD
22	24	Iyyan Thiruvalluvar Salai	Temperory Trenches using JCB	Iyyan Thiruvalluvar Salai	Nearby SWD
23	24	Santhosh Nagar	5HP	Santhosh Nagar	Nearby SWD
24	24	Velmurugan Nagar	2HP Electric Motor	Velmurugan Nagar	Nearby SWD
25	24	Madhavan Nagar	7.5HP also using JCB	Madhavan Nagar	Nearby SWD
26	24	Sarathy Nagar	7.5HP also using JCB	Sarathy Nagar	Nearby SWD
27	24	Venkata Sai Nagar	7.5HP also using JCB	Venkata Sai Nagar	Nearby SWD
28	24	Vijayalakshmi Nagar	5 HP Motor	Vijayalakshmi Nagar	Nearby SWD
29	24	Elizabeth nagar	10 HP Motor	Elizabeth nagar	Nearby SWD
30	24	Thirumal Nagar	5 HP Motor	Thirumal Nagar	Nearby SWD
31	24	Purushothaman Nagar	5 HP Motor , JCB	Purushothaman Nagar	Nearby SWD
32	24	JP Nagar	5 HP Motor	JP Nagar	Nearby SWD
33	24	Sivaprakasam Nagar (South)	5 HP Motor	Sivaprakasam Nagar (South)	Nearby SWD
34	24	Grace Nagar	10 HP Motor JCB	Grace Nagar	Nearby SWD
35	24	Ambattur Redhills Road – Jn. Of Soorapet	10 HP Motor JCB	Ambattur Redhills Road – Jn. Of Soorapet	Nearby SWD
36	24	Sri Lakshmi amman Nagar	5 HP Motor	Sri Lakshmi amman Nagar	Nearby SWD
37	25	Collector Nagar	5 HP Motor JCB	Collector Nagar	Nearby SWD
38	25	Srinivasa Nagar	7.5 HP Motor and JCB	Srinivasa Nagar	Nearby SWD
39	25	Padmavathy Nagar	7.5 HP Motor and JCB	Padmavathy Nagar	Nearby SWD
40	25	Veeraragavalu Nagar, Lakshmi Nagar	7.5 HP Motor and JCB	Veeraragavalu Nagar, Lakshmi Nagar	Nearby SWD
41	25	Balaji Nagar, Murthy Nagar	10HP	Balaji Nagar, Murthy Nagar	Nearby SWD
42	25	INTUC Nagar	10HP	INTUC Nagar	Nearby SWD

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
43	25	KVR Nagar	10HP	KVR Nagar	Nearby SWD
44	25	David Jayavelu Nagar	10HP	David Jayavelu Nagar	Nearby SWD
45	25	Thiruvalluvar Street	10HP	Thiruvalluvar Street	Nearby SWD
46	25	Aringnar Anna Nagar, Ragavendra Nagar	10HP , JCB-1 used	Aringnar Anna Nagar, Ragavendra Nagar	Nearby SWD
47	25	MGR Nagar, Lingam Street	5HP	MGR Nagar, Lingam Street	Nearby SWD
48	26	Parimalam Nagar	10HP	Parimalam Nagar	Nearby SWD
49	26	Anna Street, Kalpalayam	10HP , JCB-1 used	Anna Street, Kalpalayam	Nearby SWD
50	26	Devi Nagar	5HP	Devi Nagar	Nearby SWD
51	26	Ganapathy Siva Nagar	5HP	Ganapathy Siva Nagar	Nearby SWD
52	26	Dilly Avenue	2HP Electric Motor	Dilly Avenue	Nearby SWD
53	26	Thirumalai Nagar Extn.	7.5HP also using JCB	Thirumalai Nagar Extn.	Nearby SWD
54	26	CMDA Truck Terminal	7.5HP also using JCB	CMDA Truck Terminal	Nearby SWD
55	26	Lotus Colony	7.5HP also using JCB	Lotus Colony	Nearby SWD
56	26	Seethapathy Street	5 HP Motor	Seethapathy Street	Nearby SWD
57	26	Samy Nagar	10 HP Motor	Samy Nagar	Nearby SWD
58	27	Krishna Nagar Extn.	5 HP Motor	Krishna Nagar Extn.	Nearby SWD
59	27	Edaima Nagar Area	5 HP Motor , JCB	Edaima Nagar Area	Nearby SWD
60	27	Mandaveli 5th Street	5 HP Motor	Mandaveli 5th Street	Nearby SWD
61	27	Perumal Koil 6th Street	10HP Motor-2	Perumal Koil 6th Street	Nearby SWD
62	27	South Telephone Cly Mn Rd	10HP Motor-2	South Telephone Cly Mn Rd	Nearby SWD
63	27	North Telephone Cly 1st St	5HP	North Telephone Cly 1st St	Nearby SWD
64	27	Ganesh Nagar & Extn.	10HP	Ganesh Nagar & Extn.	Nearby SWD

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
65	27	Ramana Avenue	5HP	Ramana Avenue	Nearby SWD
66	27	SSV Koil Street	50 HP – 1, JCB - 1	SSV Koil Street	Nearby SWD
67	27	Roja Nagar	5 HP – 1,	Roja Nagar	Nearby SWD
68	28	Mookambigai Street	10 HP – 1	Mookambigai Street	Nearby SWD
69	28	Kumaran Street Extn.	10 HP – 1	Kumaran Street Extn.	Nearby SWD
70	28	Raja Nagar	5 HP – 1	Raja Nagar	Nearby SWD
71	29	Velu Street	20 HP – 2	Velu Street	Nearby SWD
72	29	Perumal Koil Street Extn.	50 HP – 2	Perumal Koil Street Extn.	Nearby SWD
73	29	Lakshmi Nagar	5 HP – 1	Lakshmi Nagar	Nearby SWD
74	29	Apparaj Streets	5 HP	Apparaj Streets	Nearby SWD
75	29	Devarajan Street	5 HP	Devarajan Street	Nearby SWD
76	30	VS Mani Nagar	5 HP	VS Mani Nagar	Nearby SWD
77	30	Ringroad Housing Sector	5 HP	Ringroad Housing Sector	Nearby SWD
78	30	Pukraj Nagar	5 HP	Pukraj Nagar	Nearby SWD
79	31	Ambedkar Nagar	5 HP	Ambedkar Nagar	Nearby SWD
80	31	Udayar Thottam	10 HP	Udayar Thottam	Nearby SWD
81	31	Thiruvalluvar Street, Pandian Street	5 HP	Thiruvalluvar Street, Pandian Street	Nearby SWD
82	31	Kannabiran Street	50 HP – 1, JCB - 1	Kannabiran Street	Nearby SWD
83	31	Barma Colony	5 HP -1	Barma Colony	Nearby SWD
84	31	Thiru Vi Ka Street Area	10 HP -1	Thiru Vi Ka Street Area	Nearby SWD
85	31	Kannapuram	10 HP -1	Kannapuram	Nearby SWD
86	32	sarathi nagar 1 to 4 street, sarathi nagar extension,	5 HP – 1	sarathi nagar 1 to 4 street, sarathi nagar extension,	Nearby SWD

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
87	32	nandha nagar, venkateshwara nagar, arul nagar, ganapathy nagar, shankar nagar	JCB – 1	nandha nagar, venkateshwara nagar, arul nagar, ganapathy nagar, shankar nagar	Nearby SWD
88	32	bharathiyar street extension, bharathi nagar,	20 HP – 2	bharathiyar street extension, bharathi nagar,	Nearby SWD
89	32	kalai magal nagar 1 to 4 street,	50 HP – 2	kalai magal nagar 1 to 4 street,	Nearby SWD
90	32	moogambigai nagar, adilakshmi nagar	5 HP – 1	moogambigai nagar, adilakshmi nagar	Nearby SWD
91	32	teachers colony 4th , 5th, 6th main road	5 HP	teachers colony 4th , 5th, 6th main road	Nearby SWD
92	33	annapoorna nagar, balakrishna nagar, sri vishnu nagar, ganapathy nagar,	200HP and 100HP , JCB-1 used	annapoorna nagar, balakrishna nagar, sri vishnu nagar, ganapathy nagar,	Nearby SWD
93	33	mohan nagar, chellaia nagar, munusamy nagar, gandhi nagar	60HP-3 , JCB-1 used	mohan nagar, chellaia nagar, munusamy nagar, gandhi nagar	Nearby SWD
94	33	karpagam nagar, v.p.c nagar, srinivasa nagar	60HP-2 and 10HP-1	karpagam nagar, v.p.c nagar, srinivasa nagar	Nearby SWD
95	33	prakash nagar 1-12 street, vidya nagar	10HP-1 , JCB-1 used	prakash nagar 1-12 street, vidya nagar	Nearby SWD
96	33	anna street, vgp nagar main road, indra nagar	20HP-1 and 10HP Motor-1 JCB-1 used	anna street, vgp nagar main road, indra nagar	Nearby SWD
97	33	nethaji street, swamy ramalinga colony	60HP-3 , JCB-1 used	nethaji street, swamy ramalinga colony	Nearby SWD
98	33	sriraman salai north	60HP-2 and 10HP-1	sriraman salai north	Nearby SWD

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
99	33	thanigachalam nagar a,b & c block	10HP-1 , JCB-1 used	thanigachalam nagar a,b & c block	Nearby SWD
100	33	selvam nagar,	20HP-1 and 10HP Motor-1 JCB-1 used	selvam nagar,	Nearby SWD
101	33	vedhachalam street	10HP-1 , JCB-1 used	vedhachalam street	Nearby SWD
102	33	vasudeva thottam	10HP-1 , JCB-1 used	vasudeva thottam	Nearby SWD
103	33	annaisathya nagar,periyar nagar	10HP-1 , JCB-1 used	annaisathya nagar,periyar nagar	Nearby SWD

WATER STAGNATED LOCATION PHOTOS

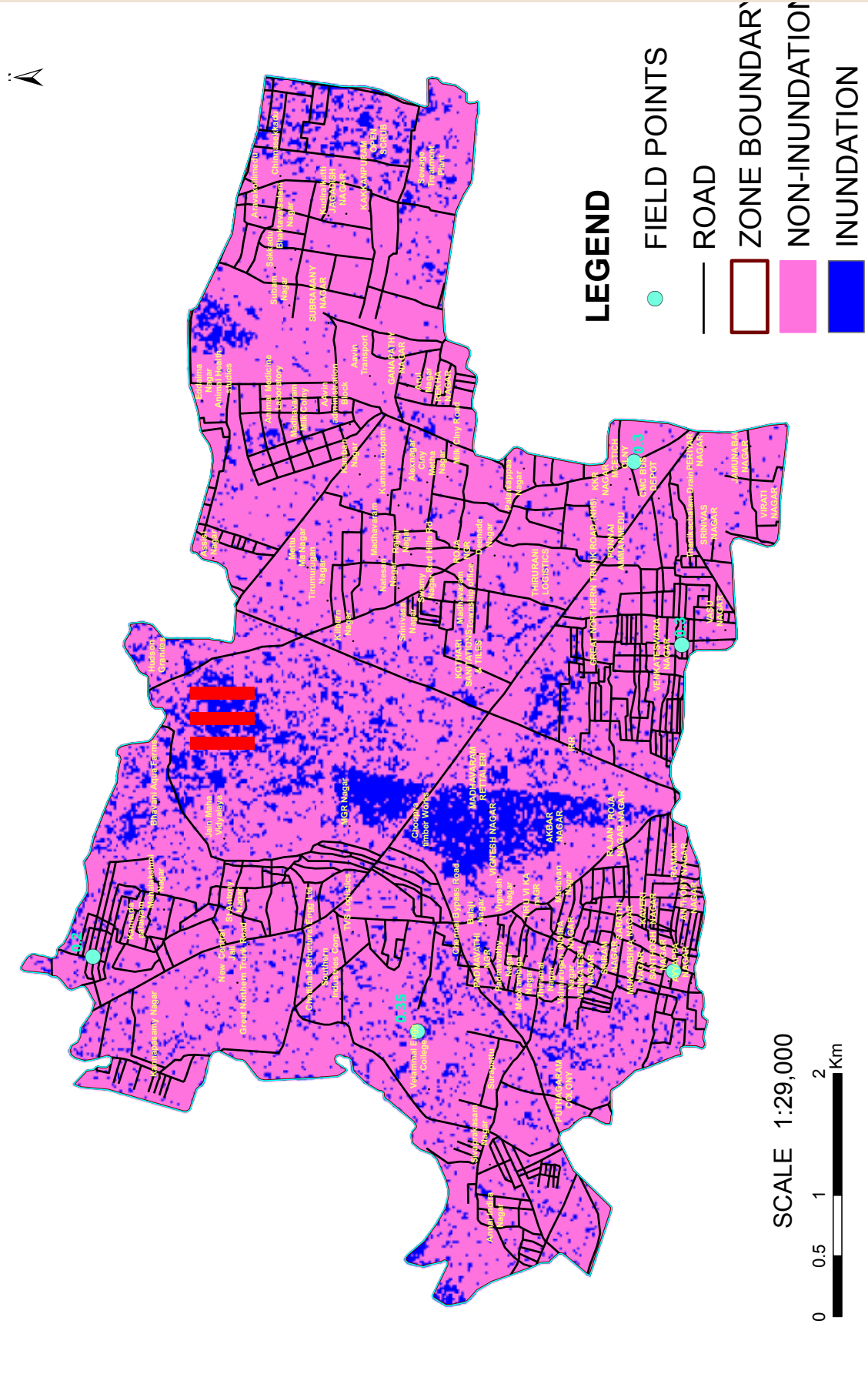
SSV Koil Street, Ward-27, Zone -3



anna street, vgp nagar main road,indra nagar ward – 33,zone 3*Aringnar Anna Nagar, Ragavendra Nagar*

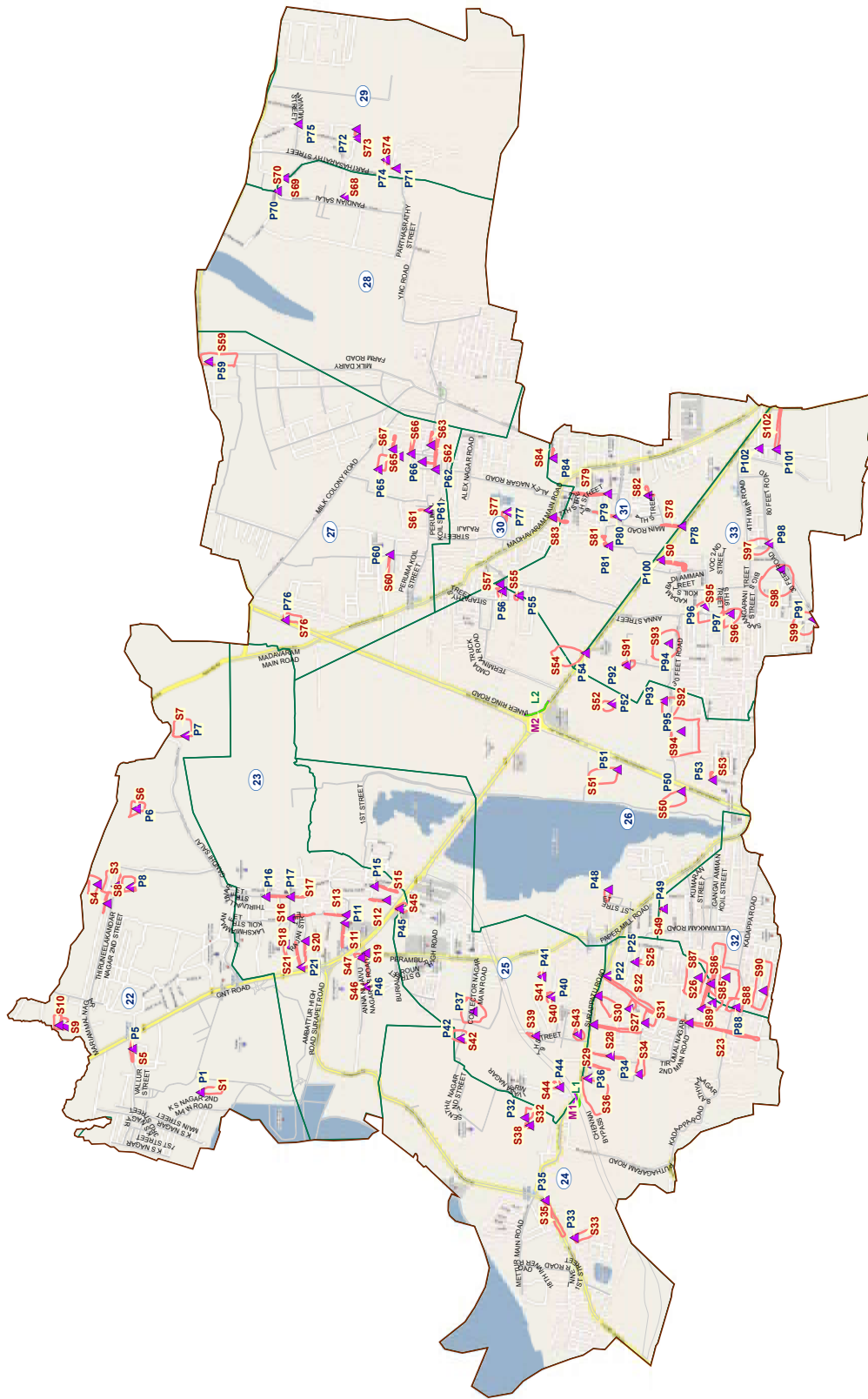
Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE III

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



- Streets where water stagnated in the previous monsoon - Heavy
- Streets where water stagnated in the previous monsoon - Moderate
- Streets where water stagnated in the previous monsoon - Light
- ▲ Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - mild rain

S.No	Ward	Name of the Street
1	24	Surapet Main Road near under bridge
2	25	Ring Road near Reliance Shop

Water stagnated streets in the previous monsoon - Moderate rain

S.No	Ward	Name of the Street
1	24	Surapet Main Road near under bridge
2	25	Ring Road near Reliance Shop

Stagnation of water in streets due to sewer blocks

Sewage over flow at Thirumalai Nagar Extn. Thirumalai Nagar, Sastri Nagar, Devaki Nagar, Vajravel Nagar areas due to non availability of pumping station and sewage pipe line leakages In Division 26.

Relief Centres

There are 5 relief centres to a total capacity of 695 is readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres is given below.

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	22	150	Gandhi Main Road Middle School	Gandhi Main Road	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94450 25822
								Evacuation & Relief Materials	Assistant Engineer	94451 90322
								Food & Drinking water	Assistant Revenue Officer	94451 90083

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
2	22	120	Kannappasamy Nagar 6th St Middle School	Kannappasamy Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94450 25802
								Evacuation & Relief Materials	Assistant Engineer	94451 90322
								Food & Drinking water	Assistant Revenue Officer	94451 90083
3	27	175	Madhavaram Milk colony Middle School	Madhavaram Milk colony	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94450 25827
								Evacuation & Relief Materials	Assistant Engineer	94451 90327
								Food & Drinking water	Assistant Revenue Officer	94451 90083

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
4	25	100	Sembiam Road Middle School	Kathirvedu	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94450 25825
								Evacuation & Relief Materials	Assistant Engineer	94451 90325
								Food & Drinking water	Assistant Revenue Officer	94451 90083
5	30	150	Rajaji Street Middle School	Madhavaram	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94450 25830
								Evacuation & Relief Materials	Assistant Engineer	94451 90330
								Food & Drinking water	Assistant Revenue Officer	94451 90083

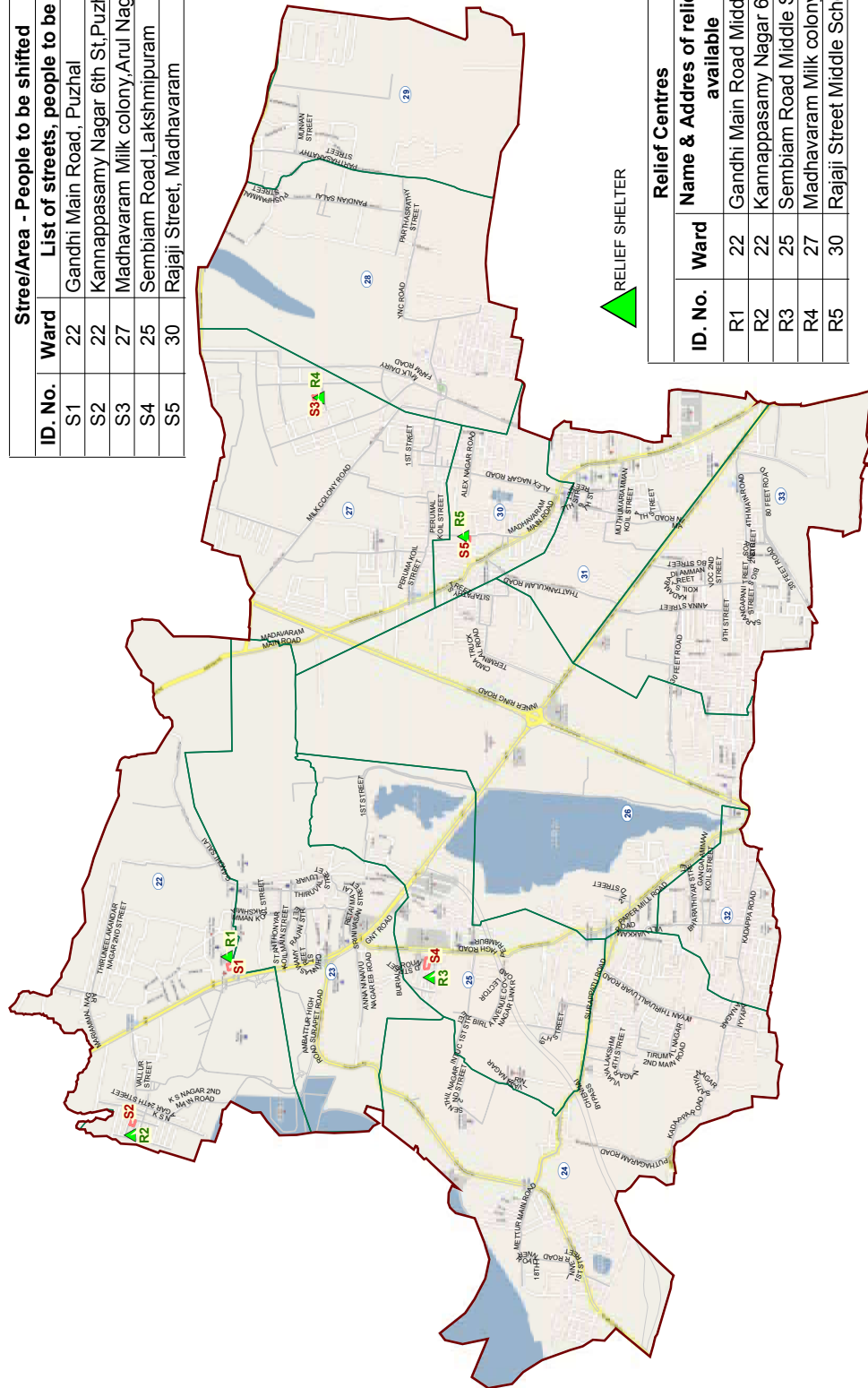
ZONE III EVACUATION & RELIEF SHELTERS

2

STREET/AREA - People to be shifted

Street/Area - People to be shifted	
ID. No.	Ward
S1	22
S2	22
S3	27
S4	25
S5	30

List of streets, people to be shifted	
ID. No.	Ward
S1	22
S2	22
S3	27
S4	25
S5	30



Relief Centres	
ID. No.	Ward
R1	22
R2	22
R3	25
R4	27
R5	30

Name & Address of relief centres available	
ID. No.	Ward
R1	22
R2	22
R3	25
R4	27
R5	30

Subways

There is no subway available as of now in this zone.

Tree fall

During the last monsoon, in Madhavaram zone totally 25 tree/branches were fallen and cleared. The major tree fall in this zone were noticed in the following locations in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward	Name of the Streets
1.	28	Milk Colony
2	28	Moolachatram
3	27	Assisi Nagar

Streets - where water entered houses - do not require evacuation

During the last monsoon, 80 inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 80 locations were inundated for more than a day by which the normal day to day activity of 6900 people were standstilled. Flood water from these areas was cleared by using 80 pumps ranging from 3.5 HP to 10 HP capacity. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl.No.	Ward	Name of the area/ streets
1	22	Thirumalai Nagar
2	22	Sakthivel Nagar (Partly)
3	22	Thamizhan Nagar
4	22	Kanchi Arul Nagar
5	22	Mahalakshmi Nagar
6	23	Mettu Street
7	23	Thalamuthu Natarajan St
8	23	Anthoniari Koil St Area
9	23	Thiruppur Kumaran St
10	24	Iyyan Thiruvalluvar Salai
11	24	Santhosh Nagar
12	24	Velmurugan Nagar

13	24	Madhavan Nagar
14	24	Sarathy Nagar
15	24	Venkata Sai Nagar
16	24	Vijayalakshmi Nagar
17	24	Elizabeth nagar
18	24	Thirumal Nagar
19	24	Purushothaman Nagar
20	24	Grace Nagar
21	25	David Jayavelu Nagar
22	25	Thiruvalluvar Street
23	25	Aringnar Anna Nagar
24	25	Veeraragavalu Nagar
25	25	Lingam Street
26	26	Ganesh Nagar
27	26	Anna Street, Kalpalayam
28	26	Secretariat Colony
29	26	Seethapathy Street
30	26	Samy Nagar
31	26	Thattankulam Road
32	27	Krishna Nagar Extn.
33	27	Edaima Nagar Area
34	27	Mandaveli 5th Street
35	27	Perumal Koil 6th Street
36	27	South Telephone Cly Mn Rd
37	27	North Telephone Cly 1st St
38	27	Ganesh Nagar & Extn.
39	27	Ramana Avenue
40	27	SSV Koil Street
41	27	Roja Street
42	28	Mookambigai Street
43	29	Velu Street
44	29	Apparaj Streets
45	30	Pukraj Nagar (Partly)
46	30	VS Mani Nagar

47	31	Ambedkar Nagar
48	31	Udayar Thottam
49	31	Thiruvalluvar Street, Pandian Street
50	32	sarathi nagar 1 to 4 street,
51	32	sarathi nagar extension,
52	32	nandha nagar,
53	32	venkateshwara nagar,
54	32	arul nagar,
55	32	ganapathy nagar,
56	32	shankar nagar
57	32	bharathiyar street extension
58	32	bharathi nagar,
59	32	kalai magal nagar 1 to 4 street,
60	32	moogambigai nagar,
61	32	adilakshmi nagar
62	32	teachers colony 4th , 5th, 6th main road
63	33	annapoorna nagar,
64	33	balakrishna nagar,
65	33	sri vishnu nagar,
66	33	ganapathy nagar,
67	33	mohan nagar,
68	33	chellaia nagar,
69	33	munusamy nagar,
70	33	gandhi nagar
71	33	karpagam nagar,
72	33	v.p.c nagar,
73	33	srinivasa nagar
74	33	prakash nagar 1-12 street,
75	33	vidya nagar
76	33	anna street,
77	33	vgp nagar main road,
78	33	indra nagar
79	33	vedhachalam street
80	33	vasudeva thottam

Streets that require evacuation

During the heavy flood in 2015, in Madhavaram zone there were 350 people were evacuated from Thirumalai nagar and Aringnar Anna Nagar and they were accomodated in K.S Nagar COC School and Community hall. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and location of relief centers are given below.

Sl. No.	Ward /Name	Streets	No. of persons	Year	Relief centre
1	22 Kavangarai	Thirumalai nagar	250	2015	K.S Nagar COC School
2	25 Surapet	Aringnar Anna Nagar	100	2015	Community hall
		Total	350		

STREET WATER ENTER HOUSE

Secretariat Colony, ward 26, zone-3



Pukraj Nagar (Partly), ward -30, zone 3



STREET THAT REQUIRE EVACUATION WITH RELIEF CENTER





Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There is 1 battery powered light available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/ staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	22 to 25	Assistant Engineer	9445190910
2	26, 27, 30, 31	Assistant Engineer	9445190909
3	28, 29, 32, 33	Assistant Engineer	9445477696
4	22 to 33	Additional divisional Engineer (Zone)	9445190043
4	22 to 33	Divisional Engineer (HQ)	9445190752

National Disaster Response Force (NDRF)

In Madhavaram zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain are given below

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	22	Chennai Middle School, Gandhi Main Street, Puzhal.
2	23	Poppili Raja School, Puzhal.
3	24	Chennai Primary School, Surapet
4	25	Chennai High School, Kathirvedu
5	26	Private school nearby Wesley School, Sastri Nagar Near Ring Road
6	30	Chennai Primary School, Rajaji Street.
7	32	Chennai Middle School Lakshmipuram

NDRF

The Commandant
 04, Battalion(NDRF)
 Suraksha Campus
 Takkolam, Arakkonam
 Vellore District – 631 152
 Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of catamaram/rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations and the precautionary measures which needs to be taken before and during the rain are given below.

SI.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & AE Number
1	22	Macro Marval	Division 24 Division Office	9445190322
2	22	Vegetarian Village		9445190322
3	24	Iyyan Thiruvalluvar Salai		9445190324
4	25	Arignar Anna Nagar,		9445190325
5	25	Rajiv Gandhi Nagar		9445190325
6	26	Ganapathy Siva Nagar & Devi Nagar	Division 26	9445190326
7	33	Annapoorna nagar	Omakulam Madu	9445190333

Transport Equipment/Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 4 open lorries, 1 JCB, 3 BOB CAT, 1 water tanker lorry are stationed for performing the job. The details of the lorries availability and the precautionary measures which needs to be taken before rain are given below

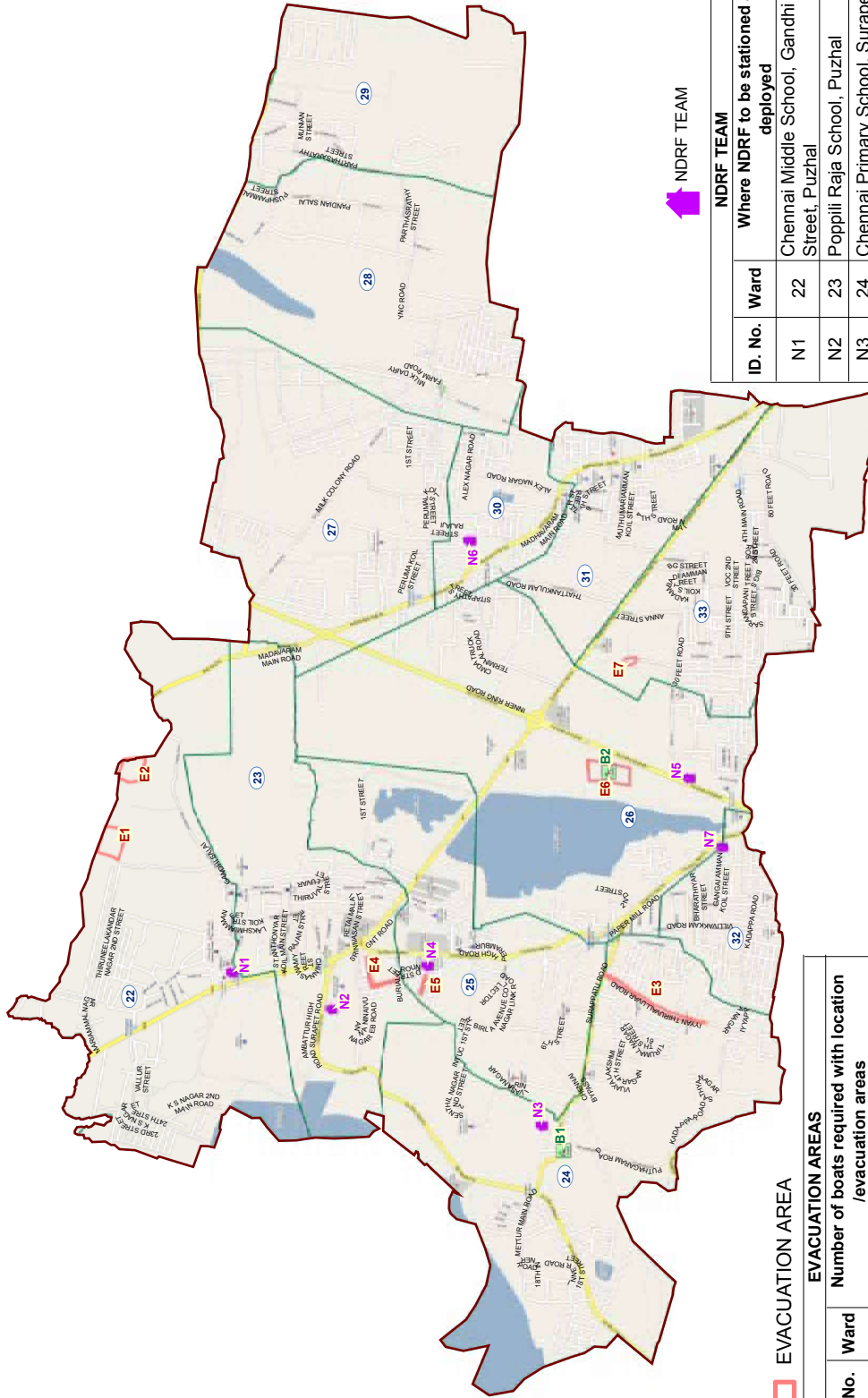
No. of lorries and type kept in readiness
Open lorry - 4
Skid steer loaders (Bob cat) - 3
(Front end loader) JCB - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190323	1	3	4	1

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1.	22, Kavangarai	V.O.C 1 st Cross Street
2	22 Kavangarai	V.O.C 2 st Cross Street
3	22 Kavangarai	Sivaraj Main Cross St.
4	23 Puzhal	Punitha Anthonyar 1 st Cross 3 rd Branch Street
5	23 Puzhal	Punitha Anthonyar 3 st Cross 3 rd Branch Street
6	23 Puzhal	Punitha Anthonyar 3 rd Lane
7	23 Puzhal	Punitha Anthonyar 2 nd Main Street.
8	23 Puzhal	St. Anthonyar Main 2 nd Street
9	23 Puzhal	Lakshmiamma Koil Main 3 rd Cross Street
10	23 Puzhal	Lakshmiamma Koil Main 2 nd Cross Street
11	23 Puzhal	Sri Balaji Nagar 4 th Street

ZONE III
EVACUATION AREA, NDRF & BOAT LOCATIONS



NDRF TEAM		Where NDRF to be stationed and deployed
ID. No.	Ward	
N1	22	Chennai Middle School, Gandhi Main Street, Puzhal
N2	23	Poppili Raja School, Puzhal
N3	24	Chennai Primary School, Surapet
N4	25	Chennai High School, Kathirvedu
N5	26	Private school nearby Wesley School, Sastri Nagar Near Ring Road
N6	30	Chennai Primary School, Rajaji Street
N7	32	Chennai Middle School Lakshmpuram

BOAT LOCATION		Boats stationed Locations
ID. No.	Ward	
B1	22, 24, 25	Division 24, Division Office
B2	26, 33	Division 26, Omakulam Madu

EVACUATION AREA		Number of boats required with location /evacuation areas
ID. No.	Ward	
E1	22	Macro Marval
E2	22	Vegetarian Village
E3	24	Iyyan Thimuvalluvar Salai
E4	25	Arignar Anna Nagar
E5	25	Rajiv Gandhi Nagar
E6	26	Ganapathy Siva Nagar and Devi Nagar
E7	33	Annapoorna nagar

Sl.No	ward /Name	Street Names
12	27 Alex Nagar	Perumal Koil Thottam 2nd Cr 2nd and 3rd crossStreet
13	27 Alex Nagar	Edaima Nagar 3rd Cross St.
14	27 Alex Nagar	Edaima Nagar 5th Cross St.
15	27 Alex Nagar	Edaima Nagar 6th Cross St.
16	27 Alex Nagar	Edaima Nagar 7th Cross St.
17	27 Alex Nagar	Edaima Nagar 8th Cross St.
18	27 Alex Nagar	Edaima Nagar 10th Cross St.
19	27 Alex Nagar	Edaima Nagar 12th Cross St.
20	27 Alex Nagar	Edaima Nagar 13th Cross St.
21	27 Alex Nagar	Edaima Nagar 14th Cross St.
22	30 Madhavaram	Bharathiar 1st cross st
23	30 Madhavaram	Bharathiar 5th cross st
24	31 Udayar Thottam	Kannapuram 1st street
25	33 Ponnamman Medu	Bajanai koil 1st st
26	33 Ponnamman Medu	Periya salai 1st cr st

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee –22 - Kavankarai**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190322
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025822
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190522
GCC - Revenue	Tax Collector	9840721756
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930122
	Assistant Exe. Engineer	8144930206
	Executive .Engineer	8144930903
	Sup.Engineer	8144931000
TANGEDCO	Junior Engineer	044-25376218, 044-25370796
	Assistant Engineer Grand Line	9445850362
	Assistant Engineer Puzhal	9445850363
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721, 9445086166
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 23 - Puzhal**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190323
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025823
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445191406
GCC - Revenue	Tax Collector	9043625295
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930123
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9710610897,9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 24 - Surapet**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190324
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025824
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190524
GCC - Revenue	Tax Collector	9941089540
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930124
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329,9003195108
NHAI	Assistant Engineer	9884449183
TNEB	Assistant Engineer	9445850363

Ward committee – 25 - Kathirvedu**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190325
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025825
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190525
GCC - Revenue	Tax Collector	9941865252
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930125
	Assistant Engineer	8939870025
	Assistant Ex.Engineer	8144930206
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
	Assistant Engineer	9445850363
	Assistant Engineer	9445850864
	Water Resource dept	8072425970
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 26 - Thanigachalam Nagar**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190326
GCC - Electrical	Assistant Engineer	944590909
GCC- Health	Sanitary Inspector	9445025826
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190526
GCC - Revenue	Tax Collector	9940070125, 9043247697
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930026
	Assistant Engineer (Water)	8144930566
	Assistant Engineer (Sewer)	8144930596
	Office	044-25530100
TANGEDCO	Junior Engineer	044-25376218 044-25370796
	DE	9445850871
	ADE	9445850872
	Madhavaram M1(Thattankulam)	9445850873
	Madhavaram M1 (Ponnammanmedu) Assistant Engineer	9445850874 9445850875 9445850864 9445850862
BSNL	Assistant Engineer	044-25584040,044-26720100
Fire service	Inspector (Madhavaram)	044-25530721
	Inspector (Redhills)	044-26418468
Police station	Inspector Madhavaram	044-26590989 984028587 044-23452783
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 27 - Madhavaram**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190327
GCC - Electrical	Assistant Engineer	944590909
GCC- Health	Sanitary Inspector	9445025827
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190527
GCC - Revenue	Tax Collector	9840313176
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930027
	Assistant Exe. Engineer	8144930206
	Executive .Engineer	8144930903
	AE Water tank	8144930028
TANGEDCO	Junior Engineer	044-25376218 044-25370796
	Assistant Engineer	9445978505
	ADE	9445850872
	Executive .Engineer	9445850871
	Sup.Engineer	9445850909
BSNL	Assistant Engineer	044-25584040/26720100
Fire service	Inspector	044-25530721
Police station	Inspector	9445462717
	M1 Station	9176640551
PWD	Assistant Engineer	9710610897,9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 28 - Madhavaram**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190328
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025828
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190528
GCC - Revenue	Tax Collector	9940066283
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930028
	Assistant Exe.Engineer	8144930206
	Executive .Engineer	8144930903
	Sup.Engineer	8144931000
TANGEDCO	Assistant Engineer	9445850905
	Assistant Exe.Engineer	9445850904
	Executive .Engineer	9445850889
BSNL	Assistant Engineer	044-25584040/26720100
Fire service	Inspector	044-25941147
	SO	9445086020
Police station	Inspector	9445462717
	Sub.Inspector	9498142127
PWD	Assistant Engineer	9710610897, 445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 29 - Chinnasekkadu**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190329
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025828
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190529
GCC - Revenue	Tax Collector	9940066283
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930028
	Assistant Exe. Engineer	8144930206
	Executive .Engineer	8144930903
TANGEDCO	Assistant Engineer	9445850905
	Assistant Exe. Engineer	9445850904
	Executive .Engineer	9445850889
BSNL	Assistant Engineer	9445122121
	Office	044-25584040 044-26720100 044.25941000
	JTO	9445367008
	Executive .Engineer	9444400405
Fire service	Inspector	044-25530721
	Office	044-25941147
	Station Officer	9445086020
Police station	Inspector	8754434515
	Office	044-25940866
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805 9003109329 9003195108
	Asst. Engineer	9442984812
	ADE	9444254404
NHAI	Assistant Engineer	9884449183

Ward committee – 30 - Madhavaram**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190330
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025827
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190530
GCC - Revenue	Tax Collector	9840313176
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930130
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044-25584040/ 26720100
Fire service	Inspector	044-25530721
Police station	Inspector	9840285870
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 31 - Madhavaram**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190331
GCC - Electrical	Assistant Engineer	9445190909
GCC- Health	Sanitary Inspector	9445025831
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190531
GCC - Revenue	Tax Collector	9176139292
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930031
	Executive Engineer	8144930903
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044-25584040 044-26720100
	Assistant Engineer	9445019950
		044-25550055
Fire service	Inspector	044-25550055
Police station	Inspector	9840285870
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

Ward committee – 32 - Lakshmipuram
Ward councilor –

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190328
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025830
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190532
GCC - Revenue	Tax Collector	9968475722
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930032
	Executive .Engineer	8144930903
TANGEDCO	Junior Engineer	9445850864, 9445978506
BSNL	Assistant Engineer	044-25584040 044-26720100
	Assistant Engineer	9445009977
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183
TNEB	Assistant Engineer (Lakshmipuram)	9445850864
	Assistant Engineer (Rettari)	9445978506
	ADE	9445850872
	Executive .Engineer	9445850871

Ward committee – 33 - Ponniammanmedu**Ward councillor –**

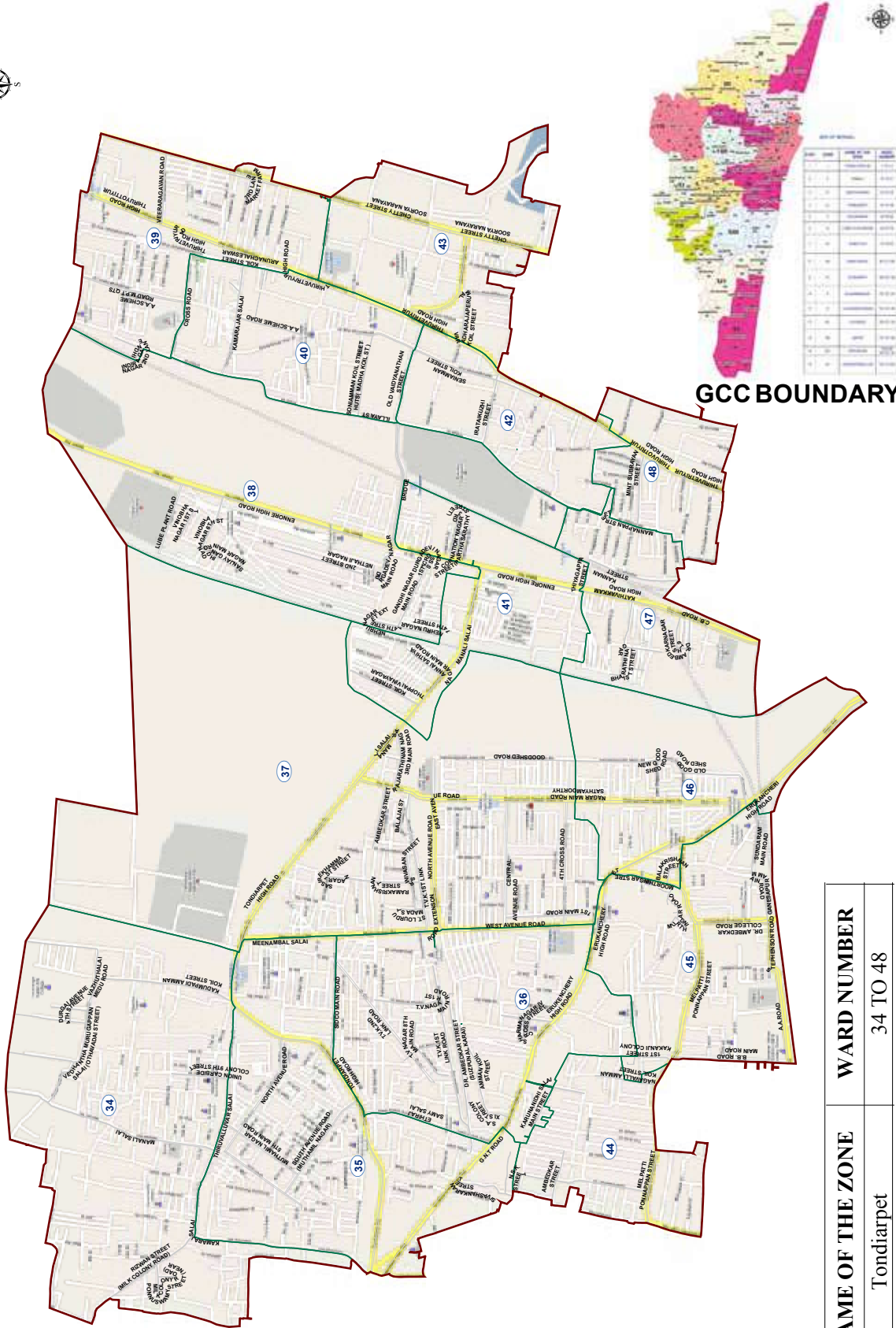
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190333
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025830
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190533
GCC - Revenue	Tax Collector	9962094419
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930133
TANGEDCO	Junior Engineer	9445850864, 9445978506
BSNL	Assistant Engineer	044-25584040/26720100
Fire service	Inspector	044-25530721
Police station	Inspector	044-25531010, 9840777660
PWD	Assistant Engineer	9710610897, 9445195918 9791309005
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	9442527805, 9003109329, 9003195108
NHAI	Assistant Engineer	9884449183

ZONE - IV

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ZONE IV- WARD BOUNDARY



NAME OF THE ZONE	Tondiarpet
WARD NUMBER	34 TO 48

Profile

Tondairpet zone lies in **Latitude 13.1192°**, **Longitude 80.2854°** and extends to an area of **23.83 Sq.km**.

In this zone there are 2902 roads, out of which 2851 roads to a length of 394 Km are Interior Roads, 47 Roads to a length of 36.99 Km are Bus Route Roads which are maintained by GCC and the remaining 3 roads are under the maintenance of Highways department and 1 road is under TNRDC.

The population is about 6.47 lakhs having Male population of 50.09 % and Female population of 49.91 % in this zone. The most dense area in the zone is Kodungaiyur with a population of 63,480 and the least is Tondiarpet with a population of 35,278. The Ward wise population is given below,

Sl. No.	Ward / Name	Total House Holds	Total Population
1	34 Jambuli Village	12431	49723
2	35 Kodungaiyur	18,565	82,000
3	36 Erukenchery	18726	74905
4	37 Kodungaiyur	19357	77,427
5	38 Tondiarpet	15982	63929
6	39 Cherian Nagar	17185	68470
7	40 VOC Nagar, Ammani Ammal Thottam	10112	40446
8	41 Kumarasamy Nagar South	10028	40111
9	42 Tondiarpet	8820	35278
10	43 Kasimedu	12759	51034
11	44 Perambur Market	14846	59385
12	45 Ganesapuram	15683	62730
13	46 Vyasarpadi	9705	38819
14	47 Korukkupet	19964	79855
15	48 Parthasarathy Nagar	10952	43807
	Total	215115	867919

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	34 to 48	
2.	DRO / Zonal Officer	34 to 48	9445190004

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U – 9 & 11, Div – 34 to 37 & 44 to 46	94451 90940
2	Executive Engineer-2	U-09,10 & 11, Dn-38-43,47 & 48	9445190024
3	Assistant Executive Engineer	U-09	9445190109
4	Assistant Executive Engineer	U-10	9445190110
5	Assistant Executive Engineer	U-11	9445190111
6	Additional Divisional Engineer, Electrical	34 to 48	9445190044
7	Assistant Executive Engineer, Mechanical	34 to 48	9445190480

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Assistant Executive Engineer	34 to 48	9445467310
2.	Conservancy supervisor	Unit-09	94451 91409
3.	Conservancy supervisor	Unit-10	94451 91410
4.	Conservancy supervisor	Unit-11	94451 91411

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone 04	9445190064
2	Veterinary Surgeon	Zone 04	9445194749
3	Junior Entomologist	Zone 04	9445036569
4	Sanitary Officer	Unit-09	9445025837
5	Sanitary Officer	Unit-10	9445025842
6	Sanitary Officer	Unit-11	9445025837

Parks

There are 45 Parks available in Tondiarpet zone. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. .	Team member contact	Equipment available	Area of operation
1	Park Overseer 9445071070	Saws-9 nos	Tondiarpet (Ward 34 to 48)

S.No	Ward	Name Of Ward	Location of the Park
1	34	Jambuli Village	Binny Nagar Main Road Park Venkateshwara Colony V Street Park Union Carbide Colony 14th Street Park Kavari Nagar Park
2	35	Kodungaiyur	Krishnan Street (R C APPT) Park, Muthamizh Nagar 9th Street Park,
3	36	Erukenchery	Bharathi Nagar V Street Park, Vasugi Nagar Park, M.R.Nagar Park, Sharma Nagar 1st Main Road, Sharma Nagar 3st Main Road, Indra Gandhi Nagar Park E.H Road,
4	37	Kodungaiyur	Lingesan Street Park, Jawahar Street Park, Vivekanada Street Park, Ambedkar Street Park, Sasirekamma Nagar Park, Kannadasan Nagar 7th block park, Srinivasan Street Park, Gandhi Street Park, 13th Cross Street MKB Nagar park, 16th West Cross Street MKB Nagar, 4th Cross Street MKB Nagar,
5	38	Tondiarpet	Pattel Nagar Park, Elaya Street (Prince) Park, Nehru Park,
6	40	VOC Nagar, Ammani Ammal Thottam	Thanthai Periyar Park, Cross Road (Brindavan) Park, Elaya Street (Emmar) Park, Thiruvalluvar Nagar Park,
7	41	Kumarasamy Nagar South	MGR Nagar Park
8	42	Tondiarpet	Jeeva Park, Thiyagaraya park, Rettaikuzhi Street
9	43	Kasimedu	C D Hospital Park & Opp Main Building park, Kasimedu Burial Ground, S.N.Chetty Street Park,
10	44	Perambur Market	Sathiyavani Muthu Park
11	45	Ganesapuram	Kasturibai Gandhi Nagar, Desikananda Park, Vysar Nagar V Street Park, Sanjai Nagar Park,
12	46	Vyasarpadi	Sathyamurthy Nagar Park
13	47	KORUKKUPET	1.BHARATHI NAGAR TNSCB
14	48	Old washermenpet	Telugu Street Park

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 33 pumping stations available in Tondiarpet Zone with average capacity of 9.30MLD for each pumping station. These sewage pumping stations are

maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps-condition
1	Tondiarpet F New PS(Relay)	45	270HP- 3
2	Tondiarpet A PS	12	70 Hp - 3
3	Tondiarpet D PS	3	40 HP CF - 1 ,20 HP CF 1 ,20 HP SUB 1
4	Tondiarpet E PS	3.8	40 HP 2
5	Kannadasa Nagar PS	14	50HP SUB 2
6	Muthamizh Nagar PS	2.8	40HP SUB 1 And 30HP SUB 1
7	C B Road Ps	7	60 HP 1 ,20HP Sub 1
8	Erukkencherry PS	100	215 HP SUB 1 ,150 HP 3 and 1
9	R K Nagar rth PS	10	50 HP SUB 2 ,75 HP 2
10	MKB Nagarps	20	60 HP SUB 2 ,20 HPSUB 1
11	Damodara Nagar PS	3	20 HP SUB 1 ,7 HP SUB 1
12	Poongavanam Nagar PS	2.5	30 HP SUB 2
13	Thendral Nagar PS	2.6	20 HP SUB 3
14	D B K PS	3	20 HP SUB 1 , 10 HP SUB 1 ,32.5 HP SUB 1
15	R R Nagar PS	1.2	15 HP SUB 2
16	K M Nagar PS	1.2	15 HP SUB 2
17	Ranganatha Puram PS	1	7 HP SUB 1 , 4.6 HP SUB 1
18	Singara Vel Nagar PS	1	10 HP SUB 2
19	Vinayagapuram PS	0.3	2 HP SUB 1 , 4.6 HP SUB 1
20	T V Nagar PS	5	50 HP SUB 2
21	N Nagar PS	2.5	30 HP SUB 2
22	Kadumbadi Amman PS	15	60 HP SUB 2 And 50 HP SUB 1
23	Kamaraj Salai Ps	5	12 HP SUB 2 And 20 HP SUB 1
24	KB4 PS	2.8	20 HP SUB 3
25	Tondiarpet F Old PS	4	7 HP SUB 2, 10 HP SUB 1 ,30 HP SUB 1
26	Kasimedu Ps	10	60 HP SUB 2
27	Senniamman Koil Ps	1.5	5HP CF 1,12.5 HP CF 1 ,10 HP SUB 1
28	Verra Kutty PS	1.5	4.6 HP SUB 1 And 1 t
29	Vyasarpadi Ps	7.5	50 HP SUB 2 And 30 HP SUB 1
30	Vyasarpad Lake Area Ps	7.5	50 HP SUB 1 And 30 HP SUB 1
31	Melpattadai PS	7.5	75 HP SUB 2 And 73 HP CF 1
32	Bharathi Nagar PS	1	10 HP SUB 2
33	RANGANATHAPURAM P.S	1	10 HP SUB 2
34	C.B.ROAD P.S	1	10 HP SUB 2

Tamil Nadu Slum Clearance Board tenements

There are 19 TNSCB tenements in Tondiarpet zone with a population of 39098. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward	Tenement location	No. of tenement	Population
1	47	Bharathy Nagar-11Block	432	2300
2	47	Ranganathapuram-18 Block	480	2400
3	46	SM Nagar-Samanthipoo Colony	1326	6630
4	37	Parthasarathy Nagar-4 Blocks	128	640
5	37	SM Nagar	1020	5100
6	37	MGR Nagar	180	900
7	37	Udayasuriyan Nagar	684	3420
8	38	Navalar Nagar	480	2400
9	39	Poodithangammal Street-20 Block	672	3360
10	39	Nagooranthottam	872	4360
11	40	VOC Nagar-18 Block	1914	9570
12	43	Power Kuppa m	620	3100
13	40	Tsumani Quarters	964	4820
14	41	Cornation Nagar	240	1200
15	43	Thilagar Nagar	720	3600
16	43	Kasipuram	322	1610
17	40	Thiruvalluvar Quartres	124	620
18	41	MGR Nagar 10 th Block	188	940
19	37	RR Nagar	288	1440
		Total	10063	39098

Contact details

Department	Designation	Area	Contact .
TNSCB	Executive Engineer	Area IV	9445074846
Conservancy/GCC	Conservancy Supervisor	34 TO 38 (Unit 9)	9445191409
Conservancy/GCC	Conservancy Supervisor	39 TO 43 (Unit 10)	9445191410
Conservancy/GCC	Conservancy Supervisor	44 TO 48 (Unit 11)	9445191411
Water Supply & Sewage /CMWSSB	Area Engineer	Area Engineer/04	8144930904

Water Bodies and Waterways

There are 8 Canals passing in this zone **(1) Kodungaiyur canal north** is maintained by GCC which starts from Kattabomman street and travels about 1.15 km in this zone and leaves at Muthamizh nagar **(2) Kodungaiyur canal south** is maintained by GCC travels from Kamaraj salai to Muthamizh nagar to a length of 1.675 km **(3) Kodungaiyur main canal** is maintained by GCC travels from Chinnadimadam to MGR Nagar to a length of 2.595 km, **(4) Link canal** is maintained by GCC that starts in this zone at Rajarathinam Nagar travels till Chandrasekaran Nagar to a length of 0.530 km, **(5) North B'canal** is maintained by PWD travels from Ambedkar street to Parameshwari Nagar to a length of 3.9 km, **(6) Captain cotton canal** is maintained by GCC starts from EH road travels upto Chandrasekaran Nagar to a length of 3.05 km, **(7) Vyasarpadi canal** is maintained by GCC starts from Ambedkar college travels upto EH Road bridge length of 1.350 km, **(8) Jawahar canal** is maintained by GCC starts from Rajangam street to EH Road length of 0.75 km.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 105.5 km to ease the flow of rain water. The details of various water bodies in this zone is listed below

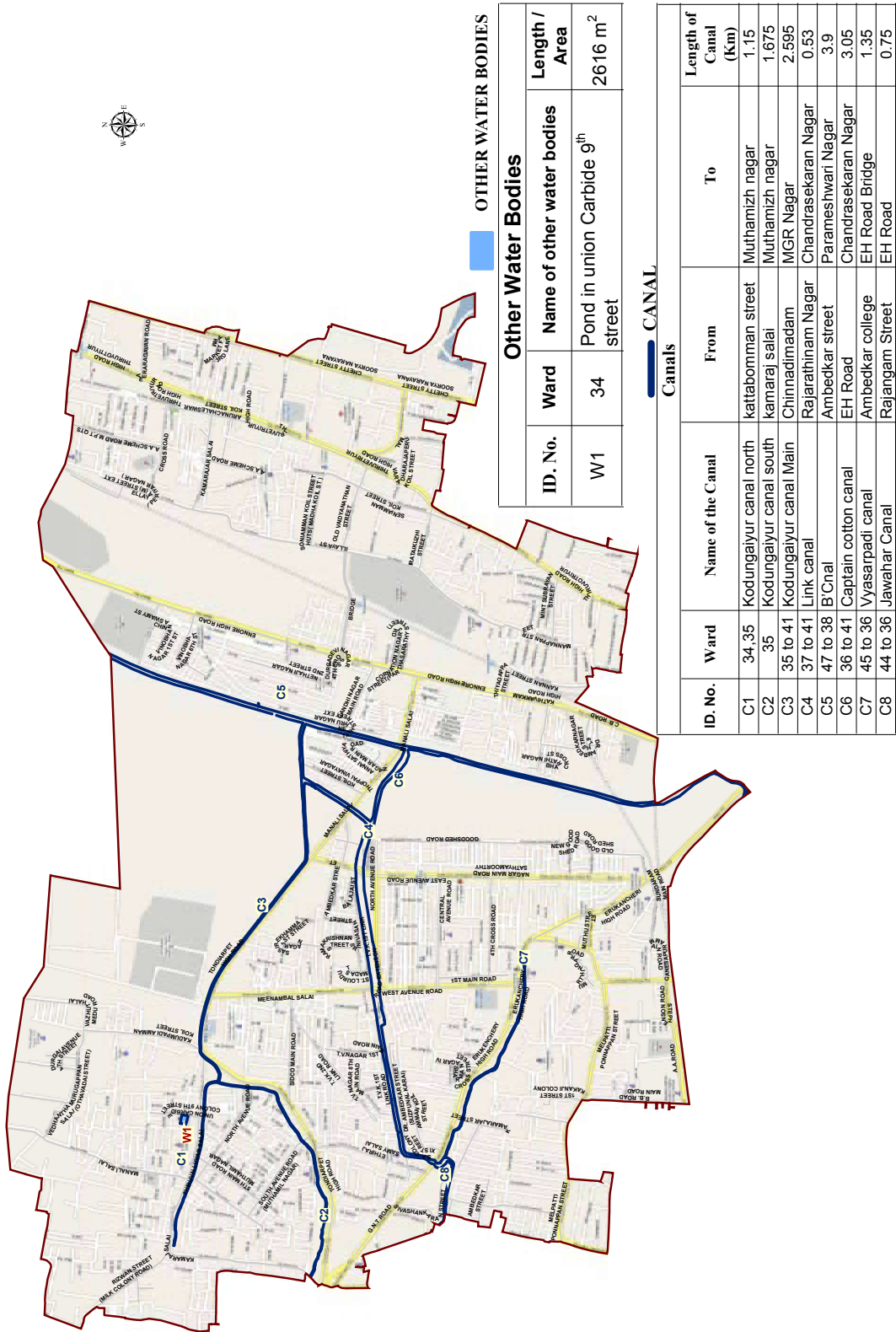
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Kodungaiyur canal north	34,35	kattabomman street	Muthamizh nagar	1.150
2	Kodungaiyur canal south	35	kamaraj salai	Muthamizh nagar	1.675
3	Kodungaiyur Main canal	35 to 41	Chinnadimadam	MGR Nagar	2.595
4	Link canal	37 to 41	Rajarathinam Nagar	Chandrasekaran Nagar	0.530
5	North B'Canal	47 to 38	Ambedkar street	Parameshwari Nagar	3.90
6	Captain cotton canal	36 to 41	EH Road	Chandrasekaran Nagar	3.050
7	Vyasarpadi canal	45 to 36	Ambedkar college	EH Road Bridge	1.350
8	Jawahar Canal	44 to 36	Rajangam Street	EH Road	0.75

Other water bodies

SI No	Ward No	Name of other water bodies	Length / Area
1	34	Pond in union Carbide 9 th street	2616 m ²

ZONE IV - WATER BODIES



Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

366 storm water drains to a length of 105.55 Km were constructed to ease the flow of rain water in Tondiarpet zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length in SWDs in'km'
1	34	42	11.88
2	35	30	10.15
3	36	38	10.39
4	37	44	17.99
5	38	36	10.47
6	39	18	5.85
7	40	18	8.45
8	41	12	3.05
9	42	12	3.91
10	43	9	3.51
11	44	33	8.07
12	45	33	7.45
13	46	30	7.56
14	47	15	4.30
15	48	22	4.16
Total		392	117.16

Water stagnated Streets in the previous monsoon - Heavy rain

During the last monsoon, 26 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

Water stagnated streets in the previous monsoon - heavy rain

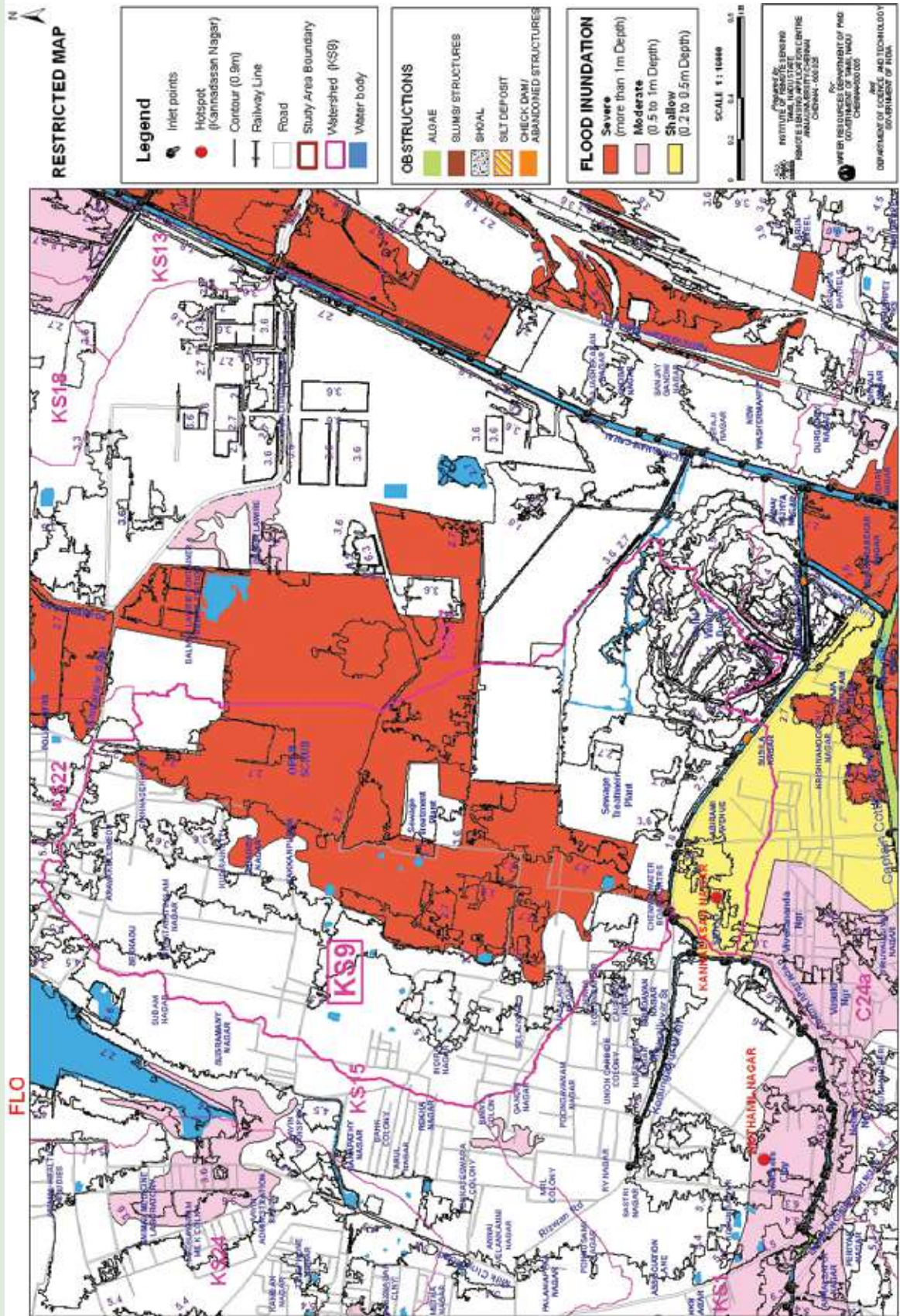
S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	34	Durgai Avenue	5HP -2 10HP -1	Vedhandhamurugappan St Jn of Durgai Avenue 1 st Main Road	KDG Canal
2	34	Ponnuswamy Nagar			
3	34	Govindaswamy Nagar			
4	35	Muthamil Nagar 7 th Block	5 HP, 10 HP and 15 HP	Muthamil Nagar 7 th Block	Rain Water discharged to Storm Water Drain
5	35	Muthamil Nagar 8 th Block		Muthamil Nagar 8 th Block	
6	36	TVK 1 st Link Road	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
7	36	Dr. Radhakrishnan Street	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
8	36	Ambedkar Street	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
9	36	Sharma nagar 3 rd Main Road	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
10	36	Indra Nagar 2 nd Cross Street	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
11	36	19 th West Cross Street, MKB Nagar	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
12	36	Thiruvalluvar Nagar 8 th Main Road	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
13	37	MKB Nagar 16 th to 19 th Central and East	5 HP, 10 HP and 15 HP	MKB Nagar 16 th to 19 th Central and East	Rain Water discharged to Storm Water Drain
14	37	RR Nagar 3 rd & 4 th Main Road		RR Nagar 3 rd & 4 th Main Road	
15	37	RR Nagar 5 th , 6 th and 2 nd Main Road		RR Nagar 5 th , 6 th and 2 nd Main Road	
16	37	RR Nagar 2 nd , 3 rd , 5 th & 6 th Cross Road		RR Nagar 2 nd , 3 rd , 5 th & 6 th Cross Road	
17	37	KKD Nagar		KKD Nagar	
18	37	Santhiya Nagar		Santhiya Nagar	
19	37	Subramani Street		Subramani Street	
20	37	Lord Madha Street		Lord Madha Street	
21	37	Srinivasan Street		Srinivasan Street	
22	38	Patel Nagar 3 rd Street		10HP-1, 5HP-1	
23	38	Ilaya Street, Kamaraj Street in Div - 40	25HP – 2 Nos Electrical Motor	AE Koil Street Pump Room	SWD at QQ Scheme Roads
24	40	Thiruvalluvar Quarters	10HP-3, 7HP – 1, 2HP- 1, Super Sucker	Thiruvalluvar Quarters back side Entrance	Ellaya Street
25	40	VOC Nagar		28th Link Street	Ellaya Street
26	40	Chelliamman kovil Street		TP Scheme Road	Ellaya Street

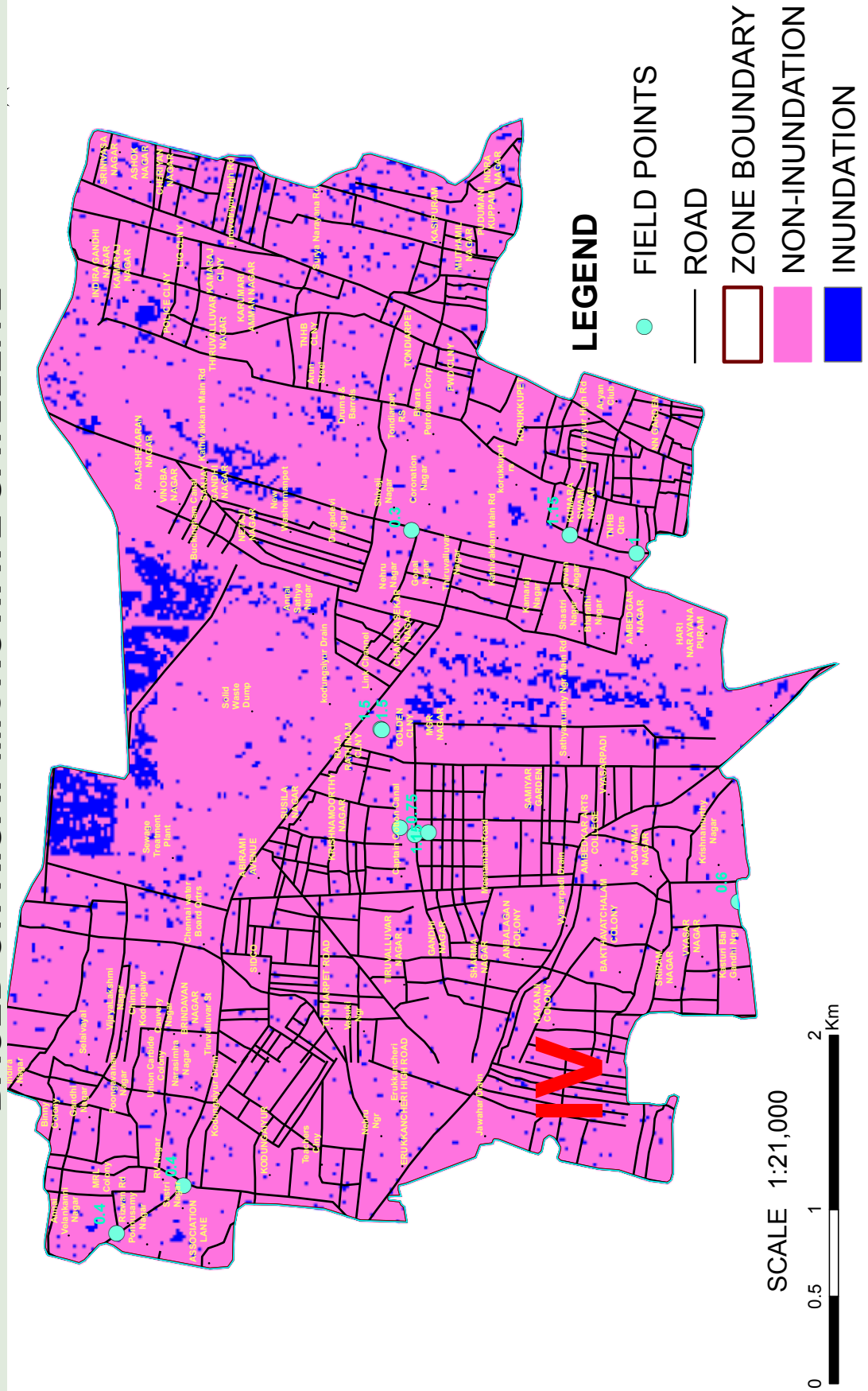
S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
27	41	MGR Nagar Canal Road	25 HP - 2	Canal Road	B - Canal
28	42	VeeraKutty Street	5HP-2	TH Road	TH Road SWD
29	42	Rettaikuzhi Street	5HP-1	Police Station	TH Road SWD
30	43	New Amaranjipuram	5HP-1	SN Chetty Street Jn	SN Chetty Street SWD
31	46	SM Nagar 24 th Block	4HP-1 Nos,2HP-1	Jn of SM Nagar Main Road	Vyasarjadi Canal
32	47	KH Road	10HP-1,5HP-1, 3HP-1	Sigirinthapalayam 4 th St	Kamarajar 10 th ,12 th Street upto B Canal

Anna University has mapped the areas inundated in this zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

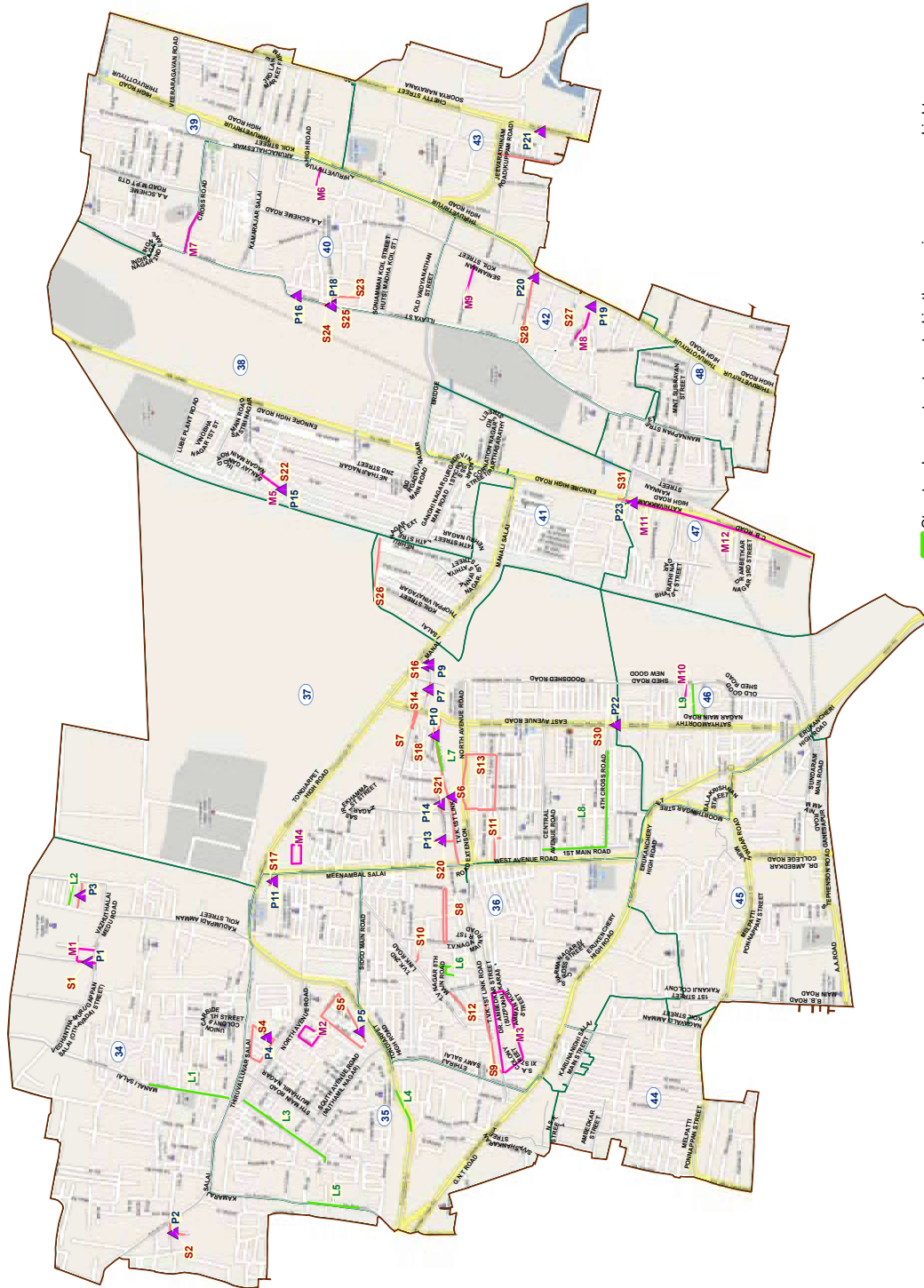
FLOOD INUNDATION MAP FOR KANNADASANNAGAR IN 2005



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE IV ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon - Light
Location of Diesel Pump Location

Streets where water stagnated in the previous monsoon - Heavy
Streets where water stagnated in the previous monsoon - Moderate

Water stagnated streets in the previous monsoon - Mild rain fall

S.No.	Ward	Name of the Street
1	34	Manali Salai
2	34	Annai Therasa Street
3	35	West Avenue Road
4	35	TH Road
5	35	Kamaraj Road
6	36	Thiruvalluvar Nagar
7	37	TVK Link Road
8	37	MKB 3 rd , 4 th , 5 th , and 7 th Cross Street
9	46	Mosque Street
10	46	Venkateswara Perumal Koil Street
11	46	Moorthingar arikarai street (Raveeswarar Koil)

Water stagnated streets in the previous monsoon- Moderate rain fall

S.No.	Ward	Name of the Street
1	34	Durgai Avenue
2	35	Muthamil Nagar 6 th Blocks
3	36	Suzhpunal karai
4	37	Abirami Avenue
5	38	Patel Nagar 3 rd Street
6	39	AE Koil Street
7	40	VOC Nagar
8	42	VeeraKutty Street
9	42	T.H.ROAD
10	46	SM Nagar 24 th Block
11	47	KH Road
12	47	CB Road

Stagnation of water in streets due to sewer blocks

Sl..	ward	Streets	No. of manholes
1	34	Harbour Colony	2
2	35	Muthamizh Nagar	3
3	35	Ganthi Nagar	3
4	36	Suphpunalkarai	5
5	36	Poombuhar Nagar	8
6	36	Ashok Leyland Quarters	2
7	36	Puthu nagar	7
8	36	sharma nagar	3
9	36	Erukanchery nagar	2
10	37	R.R.Nagar	5
11	37	Annai Sathya nagar	6
12	37	Krishnamurthy Nagar	3
13	37	Damother Nagar	4
14	37	MGR Nagar	6
15	37	Debar Nagar	2
16	37	JJR Nagar	1
17	37	Samiyar Thottam	4
18	37	Golden Complex	3
19	38	Nethaji Nagar	6
20	38	Nehru Nagar	9
21	38	Navalar Nagar	9
22	38	Ilaya Street	11
23	40	VOC Nagar	10
24	41	Aziz Nagar	3
25	41	Kumaran Nagar	4
26	41	Coronation Nagar	5
27	41	Gopal Reddy Nagar	6
28	41	Muneeswaran Nagar I & II Street	2
29	41	MGR Nagar	4
30	41	Ezhil Nagar	3
31	41	JJ Nagar H,I,J,K Nagar	4
32	41	Karumaianman Nagar	6
33	41	Kannaki Nagar	4
34	41	Annai Sathya nagar	3

35	41	Rikshaw Colony	1
36	43	YMCA Kuppam	2
37	45	Vinayakapuram Main Road	4
38	45	Kakkanji colony	3
39	45	Anna Nagar	3
40	45	Kamaraj Nagar	5
41	45	Ganeshapuram	2
42	45	vyasar nagar main road	3
43	45	Balakrishnan Street	5
44	45	Sundaram 6th Street	4
45	46	Kennedy Nagar	3
46	46	Samanthipoo colony	2
47	46	Mallipoo Colony	1
48	46	Nehru Nagar	1
49	46	C Kalyanapuram	2
50	46	Palla Street	2
51	47	Meenambal Nagar	6
52	47	Ambedkar Nagar	4
53	47	Jeeva Nagar	3
54	47	Ananda Mathaji Nagar	2
55	47	Sikkinder Palayam	3
56	47	Bharathi Nagar	4

Relief Centres

There are 18 relief centres to a total capacity of 14,960 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
1	38	100	Murugan Koil Kalyanamandapam Nethaji Nagar 2 nd Street ,Tondiarpet, Chennai – 600 021.	Nethaji Nagar A Street, Nethaji Nagar 1 st Street Nethaji Nagar 2 nd Street	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190338
								Food& drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue	9445071068, 9790797999
2	46	200	Andal Kalyanamandapam, Erukancherry High Road, Chennai	Aerikarai	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								Food&Drinking water	Assistant Revenue Officer	9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445071068, 9790797999
3	47	250	Nadar Uravin Murai Kalyanamandapam, No.4/46, Bharathi Nagar 2 nd Street, Korrukupet, Chennai – 600 021.	Bharathi Nagar Housing Board Tenemantst	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190347
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
4	48	150	Corporation Community Center, Parthasarathy Nagar, Chennai – 600 021	Nil	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190348
								Food & Drinkingwater	Assistant Revenue Officer	9445190084, 9444170907 & 9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907 & 9445071068, 9790797999

Sl. No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
5	35	450	Chennai Middle School, Tondiarpet High Road	Solaiappan Koil Street	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190335
								Food & Drinking water	Assistant Revenue Officer	9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445071068, 9790797999
6	36	200	Chennai High School, No.105, Kamaraj High Road, Kodungaiyur, Chennai – 600 118	Muthamizh Nagar Canal Side	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190336
								Food & Drinking	Assistant Revenue Officer	9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445071068, 9790797999
7	36	550	Chennai High School, Sharma Nagar	Suzhpunal Karai, Indra Gandhi Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190336
								Food & Drinking water	Assistant Revenue Officer	9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445071068, 9790797999
8	38	1600	CHSS, Patel Nagar 4 th Street	Patel Nagar, Vibobha Nagar, Tamizhar , Annai Sandhiya Nagar, Nedunchezhan Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190338
								Food&Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
9	39		Chennai High School, MPT Colony, AA Scheme Road.	VOC Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190339
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907

Sl. No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
10	39		Chennai High School, AA Scheme Road.	VOC Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190339
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
11	40	250	Chennai High School, Kamaraj Salai, Govt Press Colony.	VOC Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190340
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907

ZONE IV EVACUATION & RELIEF SHELTERS

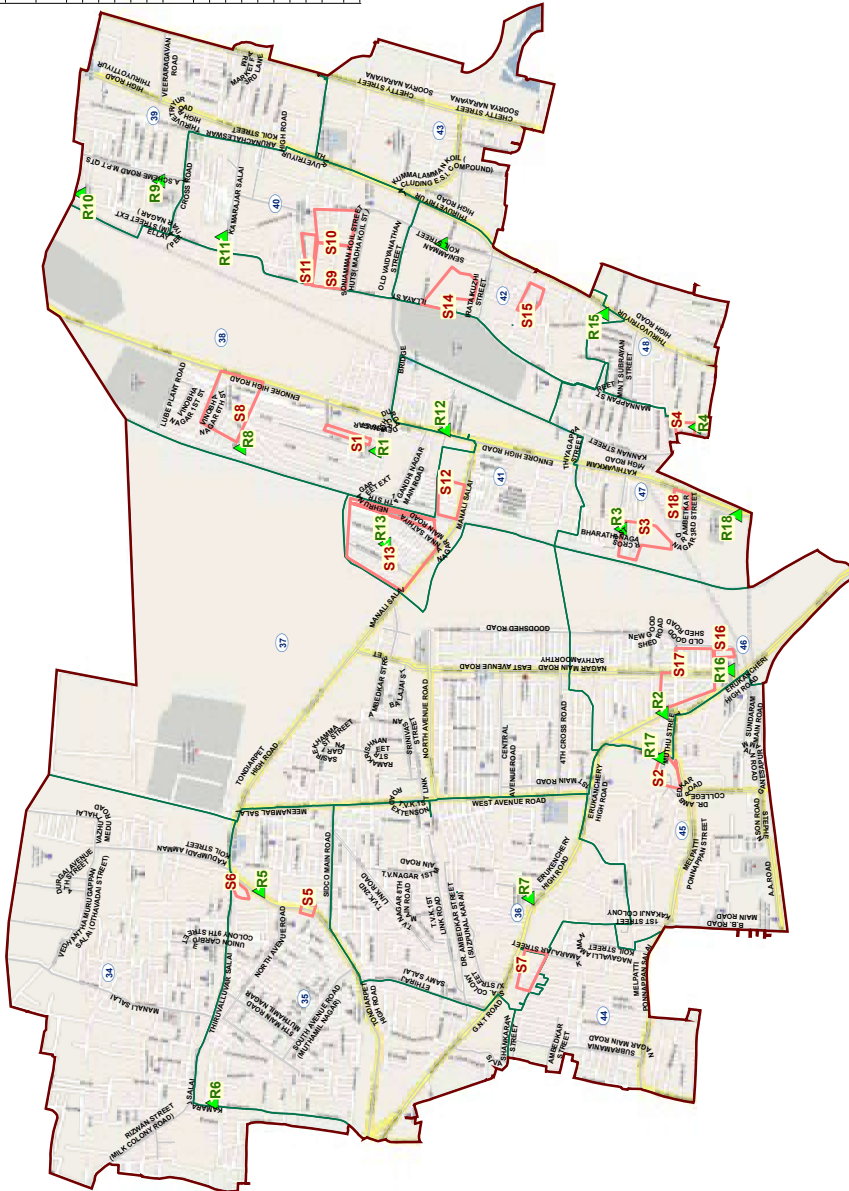


 STREET/AREA - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	38	Nethaji Nagar A Street, Nethaji Nagar 1st Street, Nethaji Nagar 2nd Street
S2	46	Aerikarai
S3	47	Bharathi Nagar, Housing Board Tenements
S4	48	Parthasarathy Nagar
S5	35	Solaiappan Koil Street
S6	36	Muthamban Nagar Canal Side
S7	36	Suzhunnai Karai, Indra Gandhi Nagar
S8	38	Patel Nagar, Vibobha Nagar, Tamizhar, Amal Sandhya Nagar, Nedunchezhan Nagar
S9	39	VOC Nagar
S10	39	VOC Nagar
S11	40	VOC Nagar
S12	41	Nethaji Nagar, Kamnagi Nagar, Kanuniarimman Nagar
S13	41	MGR Nagar, Amal Sathya Nagar
S14	42	Kalissam Street slum Board
S15	42	Nethu Nagar, Veerakutty Street
S16	46	C Kalayanapuram, C Kalayanapuram 600 039
S17	46	A Kalayanapuram, B Kalayanapuram, C Kalayanapuram
S18	47	Ambedkar Street, Rajiv Gandhi Nagar

▲ RELIEF SHELTER

ID. No.	Ward	Name & Address of relief centres available
R5	35	Chennai Middle School, Tondiarpet High Road
R6	36	Chennai High School, No105, Kamaraj High Road
R7	36	Chennai High School, Sharma Nagar
R1	38	Mulugan Koil Kalayanamandapam, Nethaji Nagar 2nd St
R8	38	CHSS, Patel Nagar 4th Street
R9	39	Chennai High School, IPT Colony, AA Scheme Road
R10	39	Chennai High School, AA Scheme Road
R11	40	Chennai High School, kamaraj Salai, Govt Press Colony
R12	41	Chennai Primary School, No103, Coronation Nagar
R13	41	Chennai Middle School, MGR Nagar 3rd Street
R14	42	Chennai Primary School, Seniamman Koil Street
R15	42	Corporation High School, Secondary School, No 540, Th Road
R2	46	Arabi Kalayanamandapam, Erokkancherry High Road
R16	46	CHSS, C Kalayanapuram
R17	46	Chennai Middle School, Moorthingar St, Vyasarpadi
R3	47	Nadar Uravin Murali Kalayanamandapam, Bharathi Nagar 2nd Street
R18	47	Hannarayapuram CHS
R4	48	Corporation Community Center, Bharathiar Street, Nethaji Nagar



Sl. No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
12	41	2850	Chennai Primary School, No.103, Cornation Nagar, Chennai – 600 081.	Nethaji Nagar, Kannagi Nagar, Karumariamman Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190341
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
13	41	4000	Chennai Middle School, MGR Nagar 3 rd Street, Chennai – 600 021.	MGR Nagar, Annai Sathya Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190341
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
14	42	2000	Chennai Primary School, Seniamman Koil Street, Chennai – 600 081.	Kailasam Street slum Board	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190342
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
15	42		Corporation Higher Secondary School No.540, TH Road, Chennai – 600 021.	Nehru Nagar, Veerakutty Street	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190342
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
16	46		Chenani Middle School, Moorthingar Street, Vyasarpadi, Chennai – 600 039	A Kalayanapuram, B Kalayanapuram, C Kalayanapuram Arikarai Gandhipuram	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								Food & Drinking water	Assistant Revenue Officer	9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445071068, 9790797999

Sl. No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
17	46		Chenani Middle School, Moorthingar Street, Vyasarpadi, Chennai – 600 039	A Kalayanapuram, B Kalayanapuram, C Kalayanapuram	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								16	Assistant Revenue Officer	9445071068, 9790797999
								Relief Materials	Assistant Revenue Officer	9445071068, 9790797999

Subways

There are 2 subways at T.H. Road and Vyasarpadi in Tondiarpet zone. The pumps with different capacities are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Ward/Name	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 43, Pedestrian Subway opposite to CDH , T.H Road	22.4	TH road SWD	1-5HP
2	Ward 46, Vyasarpadi Subway (Highways Department)	30.0	The Dewatering Work is carried by HD	8 108HPs



Pedestrian Subway opposite to CDH, T.H Road

Tree fall

During the last monsoon, in Tondairpet zone totally 13 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	34	Union Carbide colony
2	34	School Road
3	34	Narayanasamy garden
4	35	Muthamizh nagar
5	37	Meenambal salai
6	38	Nethaji Nagar
7	40	MPT Colony

S.No	Ward	Name of the Street
8	43	Kummalamman Koil Street
9	43	Othavadai CDH
10	48	Thulasingam salai
11	45	Avvai nagar 1 st Street
12	48	48-ward office
13	48	Parthasarathy street

Streets - water entered houses - do not require evacuation

During the last monsson, 19 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 19 locations were inundated for more than a day by which the normal day to day activity of 16,465 people were standstilled. Flood water from these areas were cleared by using 19 pumps ranging from 5 HP to 15 HP capacity. The identified vulnerable spots is as below,

SI.No.	Ward/Name	Name of the area/ streets
1	43 Jambuli Village	Singarvelan Nagar Palla Paguthi
2	35 Kodungaiyur	Muthamil Nagar 6 th Blocks
3	35 Kodungaiyur	Muthamil Nagar 7 th Blocks
4	35 Kodungaiyur	Muthamil Nagar 8 th Blocks
5	37 Kodungaiyur	MKB Nagar 6 th Main Road
6	37 Kodungaiyur	MKB Nagar 5 th Cross Street

7	37 Kodungaiyur	Central Avenue, North Avenue Road
8	38 Tondiarpet	Patel Nagar 3 rd Street, Nehru Nagar 13 th Street
9	40 VOC Nagar, Ammani Ammal Thottam	VOC Nagar 36 Huts
10	40 VOC Nagar, Ammani Ammal Thottam	Chelliamman kovil Street
11	41 Kumarasamy Nagar South	MGR Nagar Canal Road
12	45 Ganesapuram	Sanjay Nagar
13	46 Vyasarpadi	SM Nagar 24 th Block
14	46 Vyasarpadi	Mosque Street
15	46 Vyasarpadi	Samanthipoo Colnoy
16	46 Vyasarpadi	Mallipoo Colony
17	46 Vyasarpadi	A,B,C Kalyanapuram
18	47 Korukkupet	Meenambal Nagar
18	47 Korukkupet	Ambedkar Street
19	47 Korukkupet	KH Road

Streets that require evacuation

During the heavy flood occurred last year 2015, in Tondiarpet zone 18,045 people were evacuated from Muthamil Nagar, Dr. Radhakrishnan Street etc. and they are accommodated in Schools, Kalyanamandapam. They were provided with basic amenities like accommodation, food and relief materials for 25 days. The details and locations of relief centers are given below.

S.No	ward	Streets	No. of persons	Years	Relief centre
1	34	Durgai Avenue	1000	2015	Chinna Kodungaiyur School
2	35	Muthamil Nagar 7 th Block	3670		Chennai High School, No.105, Kamaraj High Road Kodungaiyur, Chennai – 600 118
3	35	Muthamil Nagar 8 th Block			Chennai Middle School, Tondiarpet, High Road
4	36	TVK 1 st Link Road	200	2015	Chennai Middle School, Periya Kodungaiyur
5	36	Dr. Radhakrishnan Street			Chennai High School, Sharma Nagar
6	36	Ambedkar Street			
7	36	Sharma nagar 3 rd Main Road			
8	36	Indra Nagar 2 nd Cross Street			
9	36	19 th West Cross Street, MKB Nagar			
10	36	Thiruvalluvar Nagar 8 th Main Road			

S.No	ward	Streets	No. of persons	Years	Relief centre
11	37	MKB Nagar 16 th to 19 th Central and East	1500	2015	RR Nagar-CMS MKB Nagar-CMS KKD Nagar-CMS
12	37	RR Nagar 3 rd & 4 th Main Road			
13	37	RR Nagar 5 th , 6 th and 2 nd Main Road			
14	37	RR Nagar 2 nd , 3 rd , 5 th & 6 th Cross Road			
15	37	KKD Nagar			
16	37	Santhiya Nagar			
17	37	Subramani Street			
18	37	Lord Madha Street			
19	37	Srinivasan Street			
20	38	Patel Nagar,	400	2015	CHSS- Patel Nagar 4 th Street, Nadar Kalyanaman-dapam-Nethaji Nagar 5 th St
21	38	Nedunchelian Nagar,	500	2015	
22	38	New Vinobha Nagar,	475	2015	
23	38	Sanjay Gandhi Nagar,	1000	2015	
24	38	Annai Sandhya Nagar,	900	2015	
25	38	Nehru Nagar,	600	2015	
26	38	Nethaji Nagar &	300	2015	
27	38	Tamizhar Nagar	240	2015	
28	40	VOC Nagar	600	2015	
29	40	VOC Nagar 36 huts	5000	2015	Kamaraj Salai CMS, Thriuvalluvar Nagar CPS
30	40	Chelliamman Koil Street		2015	
31	40	AA Scheme Road		2015	
32	40	Thiruvalluvar Nagar		2015	
33	40	Cross Road		2015	

S.No	ward	Streets	No. of persons	Years	Relief centre
34	41	MGR Nagar Canal Road	300	2015	Chennai Primary School, No.103, Cornation Nagar, Chennai – 600 081. & Chennai Middle School, MGR Nagar 3 rd Street, Chennai – 600 021.
35	42	Veerakutty Street	150	2015	Corporation Higher Secondary School No.540, TH Road, Chennai – 600 021.
36	42	Rettaikuzhi Street, Seniamman Koil Street	300	2015	Chennai Primary School, Seniamman Koil Street, Chennai – 600 081.
37	45	Ganesa puram main road	450	2015	CHS-Ganesapuram, Ch-39
38	46	Moorthinagr Street Aerikarai Slum (HOUSING BOARD HAS BEEN BUILD AND HAND OVER TO RESPECTIVE PEOPLE)	150	2015	Chennai Middle School, Moorthingar Street & Andal Kalyanamandapam, Erukkancherry High Road, Chennai
39	47	Ambedkar Nagar	250	2015	Harinarayanapuram –CHS& Nadar Uravin Murai Kalyanamandapam, No.4/46, Bharathi Nagar 2 nd Street, Korrukkupet, Chennai – 600 021.
40	47	Rajiv Gandhi Nagar	60	2015	Harinarayanapuram -CHS



Vinobha Nagar, Dn-38, Zone IV



Nehru Nagar 13th Street, Dn-38, Zone IV

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 4 battery powered lights are available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	34,35,36,37	Assistant Engineer	9445477689
2	38,39,40,43	Assistant Engineer	9445190914
3	41,42,47,48	Assistant Engineer	9445190915
4	34 to 48	Additional Divisional Engineer (Zone)	9445190044
5	34 to 48	Divisional Engineer (HQ)	9445190753

National Disaster Response Force (NDRF)

In Tondiarpet zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	37	SM Nagar Community Hall
2	42	540 TH Road, Corporation Higher Secondary School.
3	39	731 TH Road, Corporation Higher Secondary School.
4	46	Kalyanapuram School

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate

around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & Number
1	34	Durgai Avenue-1	Durgai Avenue-1	9445190334 AE
2	34	Thendral Nagar-1	Thendral Nagar-1	9445190334 AE
3	34	IshwaryaNagar-1	IshwaryaNagar-1	9445190334 AE
4	38	Nehru Nagar 18 th Street - 1	Nehru Nagar 18 th Street - 1	9445190338 AE
5	38	Nehru Nagar 14 th Street - 1	Nehru Nagar 14 th Street - 1	9445190338 AE
6	38	Tamizhar Nagar -1	Tamizhar Nagar -1	9445190338 AE
7	38	Patel Nagar 3 rd Street - 1	Patel Nagar 3 rd Street - 1	9445190338 AE
8	38	New Vinobha Nagar 1 st Street -1	New Vinobha Nagar 1 st Street -1	9445190338 AE
9	38	Sanjay Gandhi Nagar -1	Sanjay Gandhi Nagar -1	9445190338 AE
10	38	Nedunchezhan Nagar - 2	Nedunchezhan Nagar - 2	9445190338 AE
11	41	MGR Nagar - 2	MGR Nagar - 2	9445190341 JE
12	41	Annai Sathya Nagar - 2	Annai Sathya Nagar - 2	9445190341 JE
13	41	Karumariyamman Koil Street - 2	Karumariyamman Koil Street - 2	9445190341 JE
14	41	Ezhil Nagar - 2	Ezhil Nagar - 2	9445190341 JE
15	44	Periyar Nagar-1	Periyar Nagar-1	9445190344 AE
16	46	SM Nagar-1	SM Nagar-1	9445190346 AE
17	46	Nehru Nagar -1	Nehru Nagar -1	9445190346 AE
18	46	Kennady Nagar-1	Kennady Nagar-1	9445190346 AE
19	46	Malligaipoo Colony -1	Malligaipoo Colony -1	9445190346 AE
20	46	Magazinepuram-1	Magazinepuram-1	9445190346 AE
21	46	Mosque Street-1	Mosque Street-1	9445190346 AE
22	47	Bharathi Nagar – Housing Tenemants -1	Bharathi Nagar – Housing Tenemants -1	9445190347 JE
23	47	CB Road -1	CB Road -1	9445190347 JE

Sanjay Gandhi Nagar, Dn-38, Zone IV

ZONE IV EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS

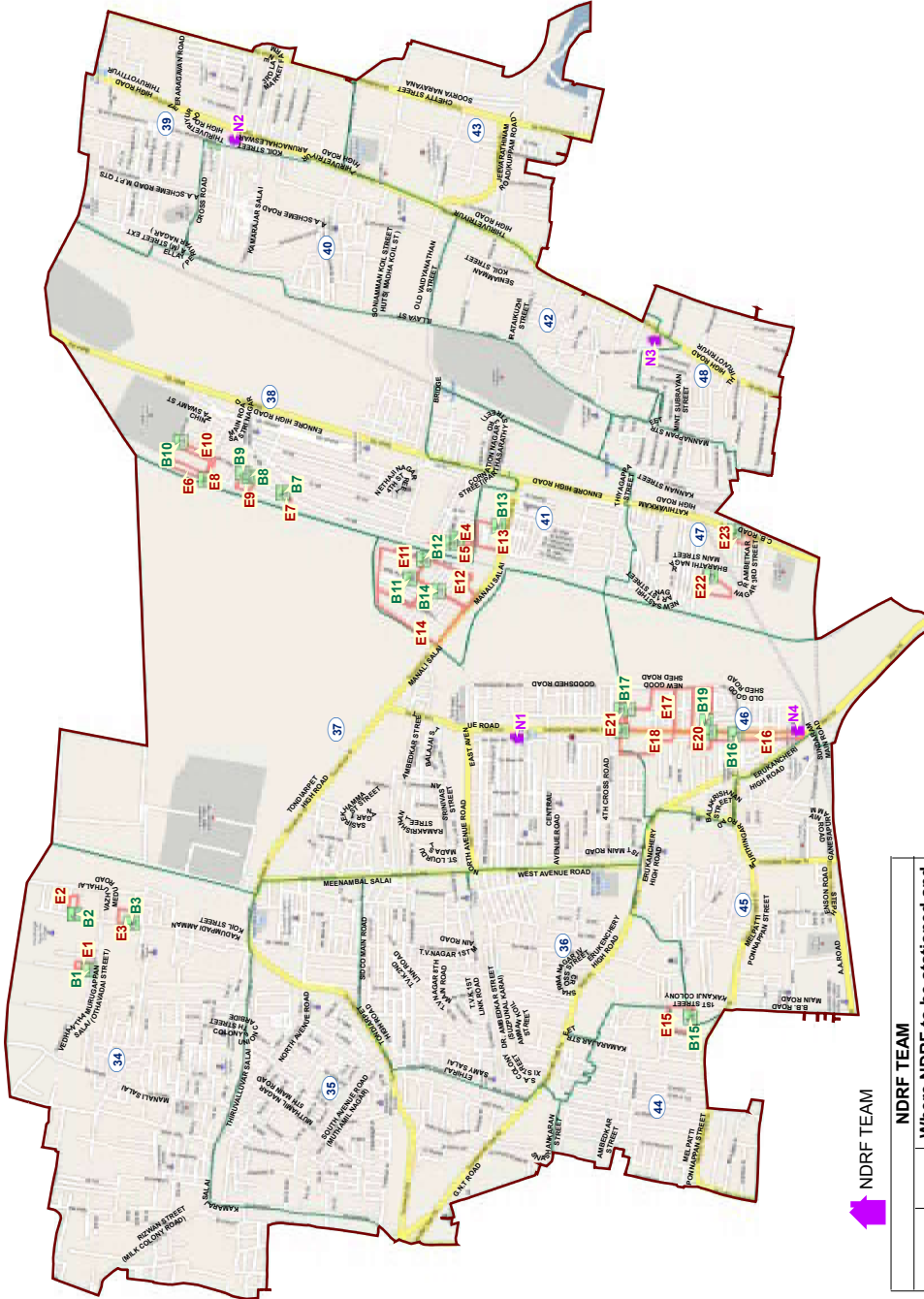


EVACUATION AREA

EVACUATION AREAS	
ID. No.	Ward
E1	34
E2	34
E3	34
E4	38
E5	38
E6	38
E7	38
E8	38
E9	38
E10	38
E11	41
E12	41
E13	41
E14	41
E15	44
E16	46
E17	46
E18	46
E19	46
E20	46
E21	46
E22	47
E23	47

BOAT LOCATION

Boats	
ID. No.	Ward
B1	34
B2	34
B3	34
B4	38
B5	38
B6	38
B7	38
B8	38
B9	38
B10	38
B11	41
B12	41
B13	41
B14	41
B15	44
B16	46
B17	46
B18	46
B19	46
B20	46
B21	46
B22	47
B23	47



↖ NDRF TEAM

NDRF TEAM	
Where NDRF to be stationed and deployed	
ID. No.	Ward
N1	37
N2	39
N3	42
N4	46

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There are 6 debris lorries, 3 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries availability are given below

No. of lorries and type kept in readiness
Debris lorry - 6
Skid steer loaders (Bob cat) - 3
(Front end loader) JCB - 2
Super sucker - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190491	2	8	9	3

Less than 2.5 m Streets/lanes that cant be accessed by Vehicles

Sl..	Ward	Name of the Streets
1.	47	Jeeva Nagar 1 to 7 Streets & 9 to 16 Streets
2	43	Pudumanai Kuppam 2 to 7 Streets
3		SN Chetty 1 to 7 Lanes
3		Kasipuram A Block 1 to 4 Street
4		Singaravelan Nagar 1 to 4 street and Pallam
5		Vinayapuram 4 to 11 streets

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward Committee –304**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190334
GCC- Health	Sanitary Inspector	9445025834
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–Solid Waste Management	Conservancy Inspector	9445190534
GCC - Revenue	Tax Collector	9962078842
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930034
TANGEDCO	Assistant Engineer	9445850872
TANGEDCO	Assistant Engineer	9445850905
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
Highways	Divisional Engineer	8754442222
PWD	WRO EE	9444644038
PWD	AE	9941779671

Ward Committee – 305**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190335
GCC- Health	Sanitary Inspector	9445025835
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190535
GCC - Revenue	Tax Collector	9941007147/9042933601
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930035
TANGEDCO	Assistant Engineer	9445850860
TANGEDCO	Assistant Engineer	9445850861
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 306**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190336
GCC- Health	Sanitary Inspector	9445025842
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–Solid Waste Management	Conservancy Inspector	9445190536
GCC - Revenue	Tax Collector	9962201410
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930036
TANGEDCO	Assistant Engineer	9445850879
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station P-6-36	Inspector	25546241

Ward Committee – 307**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190337
GCC- Health	Sanitary Inspector	9445025835
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190537
GCC - Revenue	Tax Collector	9283290636
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930037
TANGEDCO	Assistant Engineer	9445850880
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station P-5-37	Inspector	26734888

Ward Committee – 308**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190338
GCC- Health	Sanitary Inspector	9445025841
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190538
GCC - Revenue	Tax Collector	9092009120
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930038
TANGEDCO	Assistant Engineer	9445850895
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station H-5-38	Inspector	9498132646/ 25953621/ 23452490

Ward Committee – 309**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190339
GCC- Health	Sanitary Inspector	9445025839
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190541
GCC - Revenue	Tax Collector	9080083366
Revenue	Revenue Inspector	9962228170
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930039
TANGEDCO	Assistant Engineer	9445850891
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 310**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190340
GCC- Health	Sanitary Inspector	9445025843
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190540
GCC - Revenue	Tax Collector	6381506918
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930040
TANGEDCO	Assistant Engineer	9445850887
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 311**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190341
GCC- Health	Sanitary Inspector	9445025846
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190541
GCC - Revenue	Tax Collector	9840487866
Revenue	Revenue Inspector	7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930041
TANGEDCO	Assistant Engineer	9445850879/ 9445850880
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station H-6-41	Inspector	25281493

Ward Committee – 312**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190342
GCC- Health	Sanitary Inspector	9445025848
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–Solid Waste Management	Conservancy Inspector	9445190542
GCC - Revenue	Tax Collector	8838183088
Revenue	Revenue Inspector	9600057284, 7200933789, 9043661635, 9791067535
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930042
TANGEDCO	Assistant Engineer	9445850886
TANGEDCO	Assistant Engineer	9445850892
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9003430542
Highways	Divisional Engineer	8754442222
Police station H-3-42	Inspector	9444033599/ 25281486

Ward Committee – 313**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190343
GCC- Health	Sanitary Inspector	9445025843
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190543
GCC - Revenue	Tax Collector	8778973659
Revenue	Revenue Inspector	9629861842
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930043
TANGEDCO	Assistant Engineer	9445850885
TANGEDCO	Assistant Engineer	9445850891
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station N-2-43	Inspector	23452511
Police station N-4-43	Inspector	9498100234/ 25281488

Ward Committee – 314**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190344
GCC- Health	Sanitary Inspector	9445025834
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190544
GCC - Revenue	Tax Collector	9840838401
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930044
TANGEDCO	Assistant Engineer	9445850859
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee –315**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190345
GCC- Health	Sanitary Inspector	9445025847
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190545
GCC - Revenue	Tax Collector	9884657816
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930045
TANGEDCO	Assistant Engineer	9445850879
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 316**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190346
GCC- Health	Sanitary Inspector	9445025842
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190546
GCC - Revenue	Tax Collector	9283290636
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930046
TANGEDCO	Assistant Engineer	9445850879
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee –317**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190347
GCC- Health	Sanitary Inspector	9445025847
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190547
GCC - Revenue	Tax Collector	9444916269
Revenue	Revenue Inspector	7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930047
TANGEDCO	Assistant Engineer	9445850895
TANGEDCO	Assistant Engineer	9445850882
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station H-4-47	Inspector	9498138276/25281488

Ward Committee – 318**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190348
GCC- Health	Sanitary Inspector	9445025848
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190548
GCC - Revenue	Tax Collector	9444352709
Revenue	Revenue Inspector	9600057284, 7200933789, 9043661635, 9791067535
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930048
TANGEDCO	Assistant Engineer	9445850886
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNSCB	Assistant Engineer	9445074736
TNSCB	Assistant Engineer	9445074731
TNSCB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

ZONE - V

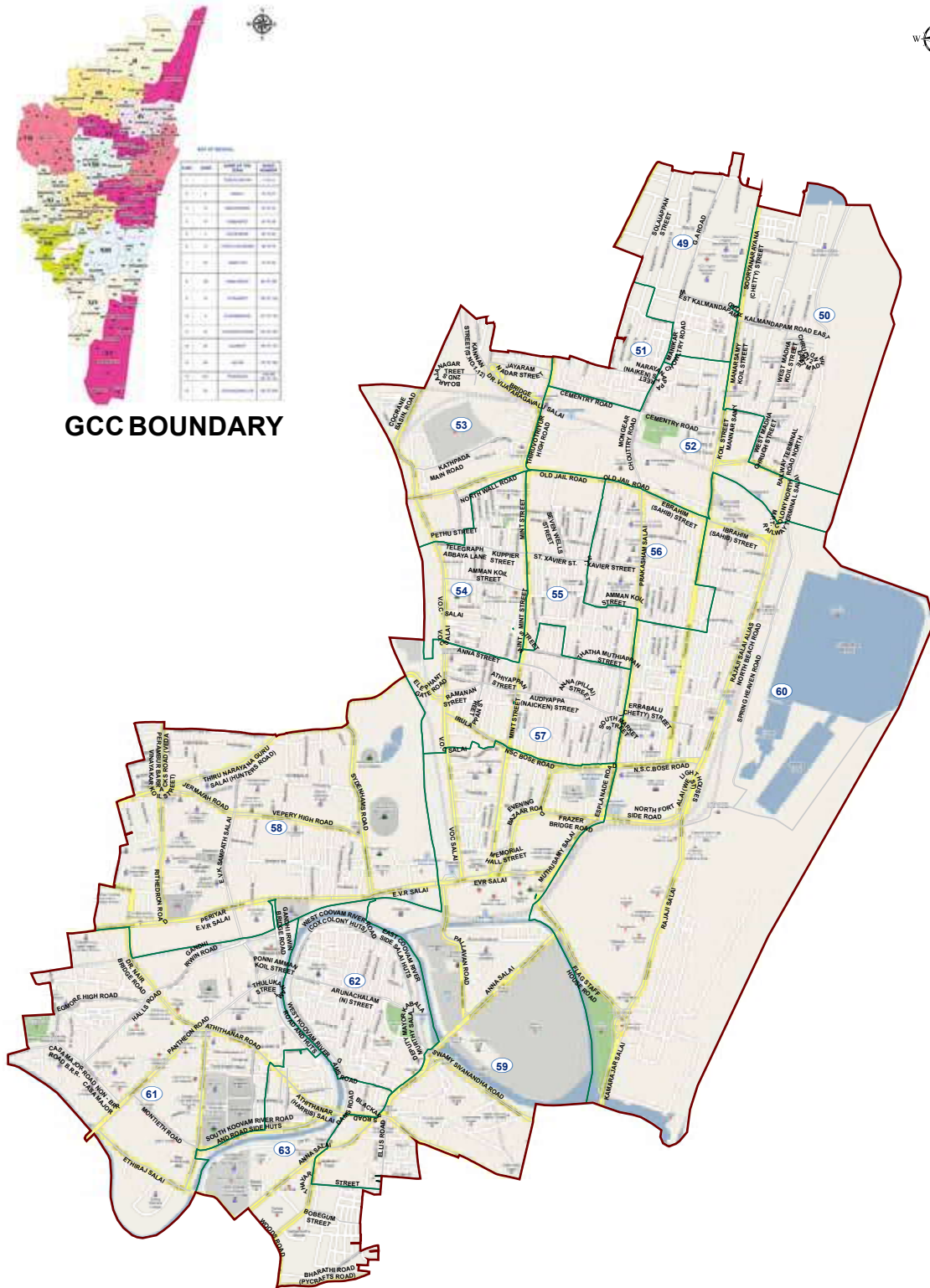
ZONE CONTENTS

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ZONE V - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Royapuram	49 TO 63

Profile

Royapuram zone lies in Latitude 13.10465 °, Longitude 80.27447 ° covering an area of 42.33 Sq.km.

There are 1,427 roads, out of which 1,370 roads to a length of 220.38 km are Interior Roads, 57 Roads to a length of 37.98 Km are Bus Route Roads which are maintained by GCC.

The population is about 6.34 lakhs that has Male population of 50.84% and Female population of 49.16 %. The most crowded area in the zone is Madhuravoil with a population of 47,537 and the least is Porur with a population of 34,595. The Ward wise population of the zone is given below,

Sl.No.	Ward No./Name	Total House Holds	Total Population
1	49 Old Wasermanpet	12863	51454
2	50 Panamarathotti	16280	65120
3	51 Oldwasermanpet	8776	35107
4	52 Meenachi Amman pettai	8590	34362
5	53 Moolakathalam	12863	51454
6	54 Kondithope	14543	58174
7	55 Seve Wells	16016	64067
8	56 Muthiyalpettai	11835	47341
9	57 Sowcarpet	13067	52269
10	58 Periyamedu	12211	48847
11	59 George Town	11285	45142
12	60 Seethakaathi Nagar	11513	46054
13	61 Egmore	11482	45930
14	62 Chinthardipet	11065	44262
15	63 Komaleeswaran pettai	10663	42629
	Total	186375	745502

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	49 to 63	-
2.	Zonal Officer	49 to 63	9445190005

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	49 to 57 & 60	9445190025
2	Executive Engineer-2	58,59,61 to 63	9445190461
3	Assistant Executive Engineer	Unit-12 i/c	9445190112
4	Assistant Executive Engineer	Unit-13	9445190113
5	Assistant Executive Engineer	Unit -14	9445190114
6	Assistant Executive Engineer	SWM / Z - 5	9445036535

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Conservany supervisor	49 to 53	9445191412
2	Conservany supervisor	54 to 57 &60	9445191413
3	Conservany supervisor	58,59 to 62 & 63	9445191414

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	49 to 63	9445190065
2	Veterinary Surgeon	49 to 63	9445026041
3	Senior Entomologist	49 to 63	9444509293
4	Sanitary Officer	49 to 53	9445025850
5	Sanitary Officer	54 to 57 & 60	9445036568
6	Sanitary Officer	58,59 & 61 to 63	9445190685

Parks

There are 26 Parks available in Royapuram zone. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No.	Equipment available(give numbers)	Area of operation
1	9445194728 9445794755 Park Overseer	Motor saw -4 Nos ManuvalSaw-2Nos Bill hook-1Nos	49 to 63

S.No	Ward	Name / Location of the Park
1	49	Sivagami ammal park MC Road Royapuram
2	50	Kamaraj Park, M.S Koil Street Royapuram
3	50	Sundaramoorthy Park, Venkatesan Nagar, Royapuram
4	50	N.R.T Bridge Under Park NRT Road Raoyapuram
5	52	Basement Park MC Road Royapuram
6	52	Anna Park, Cementry Road, Royapuram
7	53	Mint Model City Park, Model City Washermentpet
8	53	Old Andra Bus Stand Park, Basin Bridge
9	54	Sivagnanam Park, Peddu Street
10	56	Terrace Garden Park, Bharathi Arts College
11	58	Jermiah Park, Doveton
12	58	Thirumalai Park, Jermaiah Road
13	58	My Ladies Garden, Near Ripon Building
14	58	Doveton Clock Towers Park, Doveton
15	58	Ragavendra Park, Choolai Post Bus Stand
16	58	Dinathanthi Office Near Park, Dinathanthi office
17	60	Secretariate Park- Old Secretariate
18	60	Sathya Nagar Park, War Memorial
19	61	Gandhi Irwin Park, CMDA Building
20	61	Mayor Sundar rao Park, Rukmani Lakshmi pathy salai, Egmore
21	61	Ethiraj lane Park, Ethiraj college
22	61	L G Road Park (DN-61)
23	63	L G Road Park (DN-63)
24	62	May Day Park

S.No	Ward	Name / Location of the Park
25	63	Raheja Complex Park, Tenampet Congress office
26	63	Adithanar Salai Park, D'

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are nine pumping stations available in Royapuram Zone with average capacity of 270 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Pumping Station Road	30	50 HP-1 100 HP-1
2	East Kalmandapan Road	30	50 HP-1 100 HP-1
3	Ibbrahim Salai	30	50 HP-1 100 HP-1
4	North Wall Road K.H. Road	30	50 HP-1 100 HP-1
5	Malayappan Street	30	50 HP-1 100 HP-1
6	Jatkapuram	30	50 HP-1 100 HP-1
7	Rajamuthiah road (Rippon building annex road)	30	40 HP -1
8	Iyyasamy Street	30	50 HP-1 100 HP-1
9	S.M.Nagar N.S.C.Bose Road	30	50 HP-1 100 HP-1
	Total	270	17

Tamil Nadu Slum Clearance Board tenements

There are 9 TNSCB tenements located in Chetty Thottam, G.M.Pettai & Jeevarathinam Nagar 1-5 Street etc with a population of 11045. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and

address sewage issues inside these tenements. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No./Name	Tenement location	No. of tenement	Population
1	52	Karimadu Kalani	80	1280
2	51	East Cemetery Road	70	1542
3	51	West Cemetery Road	120	1850
4	50	Jeevarathinam Nagar 1-5 Street	150	1258
5	50	Chetty Thottam	150	475
6	50	G.M.Pettai	150	1345
7	56	BRN Garden	85	1065
8	56	Bishop Lane	50	985
9	57	Kalyanapuram	60	1245
		Total	915	11045

Contact details

Department	Designation	Area	Contact No.
Conservancy/ GCC	Conservancy Supervisor	49 to 53 (Royapuram)	9445191412
Conservancy/ GCC	Conservancy Supervisor	54,55,56,57 & 60 Harbour	9445191413
Conservancy/ GCC	Conservancy Supervisor	58,59,61,62& 63 Egmore	9445191414
Water Supply & Sewage / CMWSSB	Assistant Engineer	49 to 63	Area Engineer-5 8144930905 Asst. Engineer-49 to 63 8144930049 to 8144930063
TNSCB	Executive Engineer	49 to 63	9445074776

Water Bodies and Waterways

Buckingham canal is the only canal which touches the zone in Moolakotharam Canal road that travels about 2.75 km and leaves at George town to zone 9.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the Buckingham canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a premonsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 89 km to ease the flow of rain water.

The details of various water bodies in this zone is listed below,

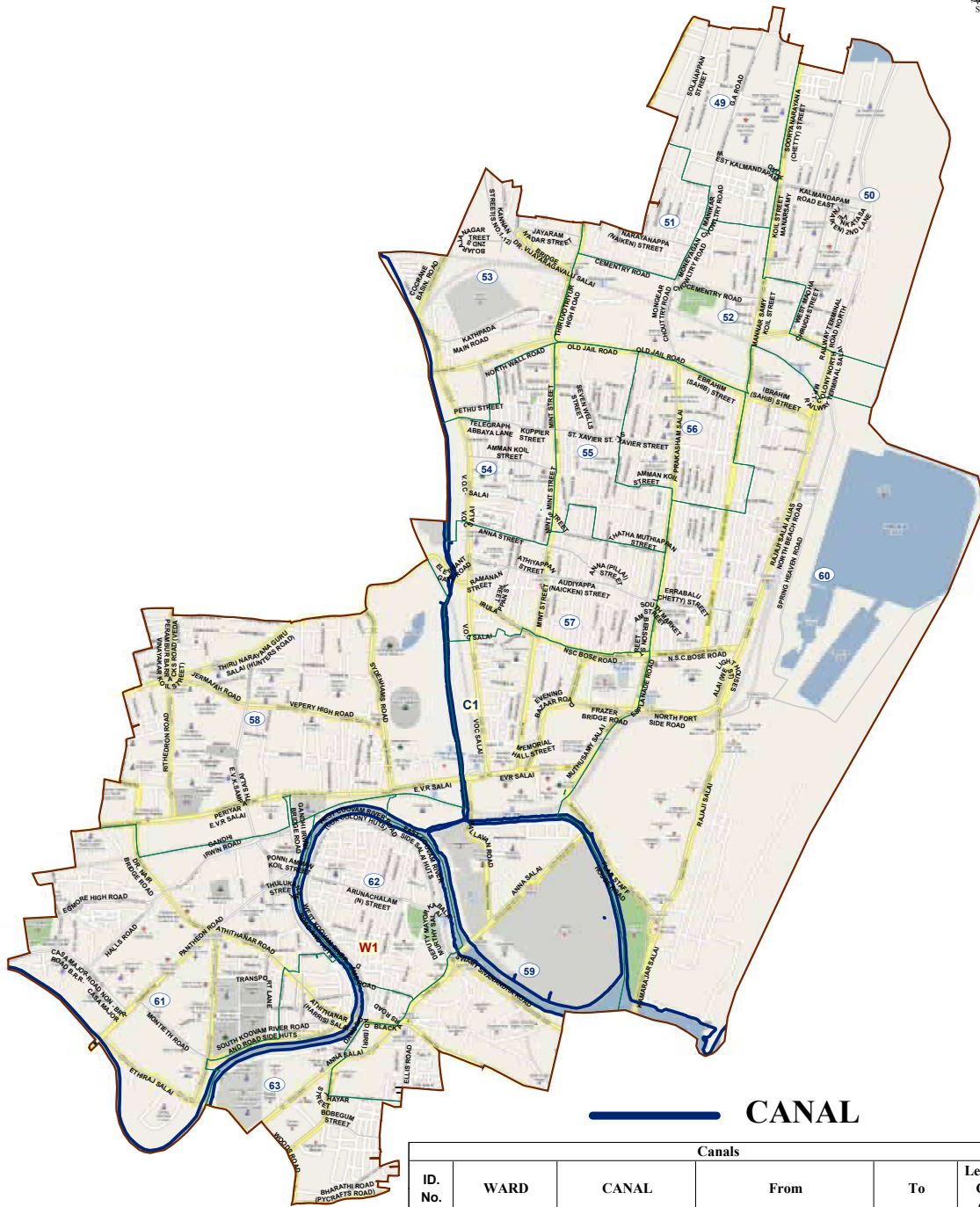
Canals

Sl. No.	Divisions Covered	Name of the Canal	From	To	Length of Canal (Km)
1	53,54,57 & 59	B-Canal	Moolakotharam Canal road	George town	2.75

Other water bodies

SI No	Ward No	Name of other water bodies	Length / Area
1	61,62,63 & 59	Coovum river	4 Km

ZONE V - WATER BODIES



CANAL

Canals					
ID. No.	WARD	CANAL	From	To	Length of Canal (Km)
C1	53, 54, 57 & 59	B-Canal	Moolakothalam Canal road	George town	2.75Km

OTHER WATER BODIES

Other Water Bodies			
ID. No.	WARD	Name of other water bodies	Length
W1	61, 62, 63 & 59	Coovum river	4 Km

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

330 storm water drains to a length of 89.34 km were constructed to ease the flow of rain water in Royapuram zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWD in 'm'
1	49	24	5690
2	50	25	7107
3	51	12	2577
4	52	12	2068
5	53	34	7740
6	54	10	1764
7	55	16	3946
8	56	9	2517
9	57	15	4348
10	58	36	12054
11	59	25	5643
12	60	17	6368
13	61	33	11705
14	62	26	6578
15	63	36	9243
	Total	330	89348

Water stagnated streets in the previous monsoon - heavy rain

During the last monsoon, 13 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

WALLERS ROAD



SINGANNA (C) STREET

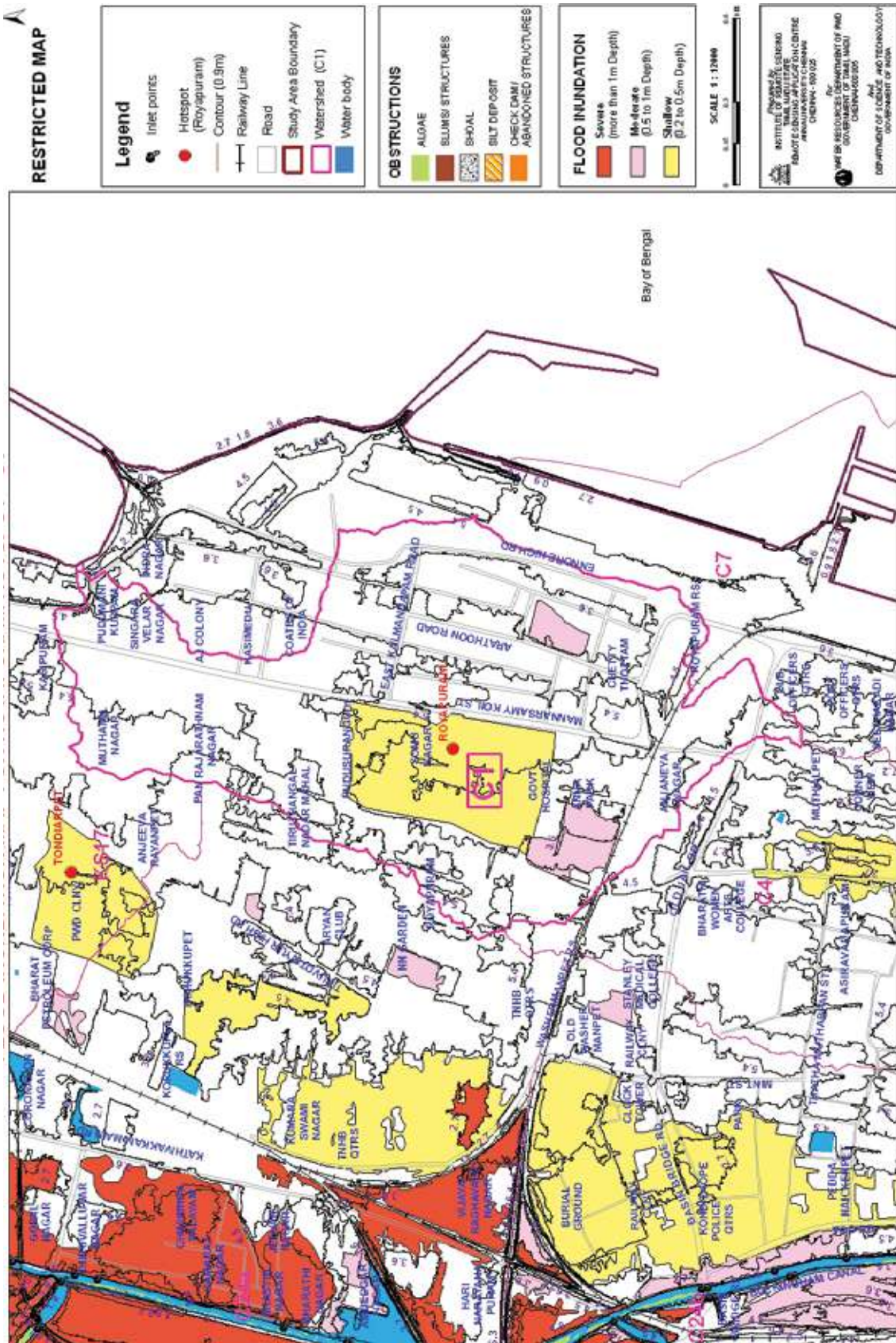


Water stagnated streets in the previous monsoon - heavy rain

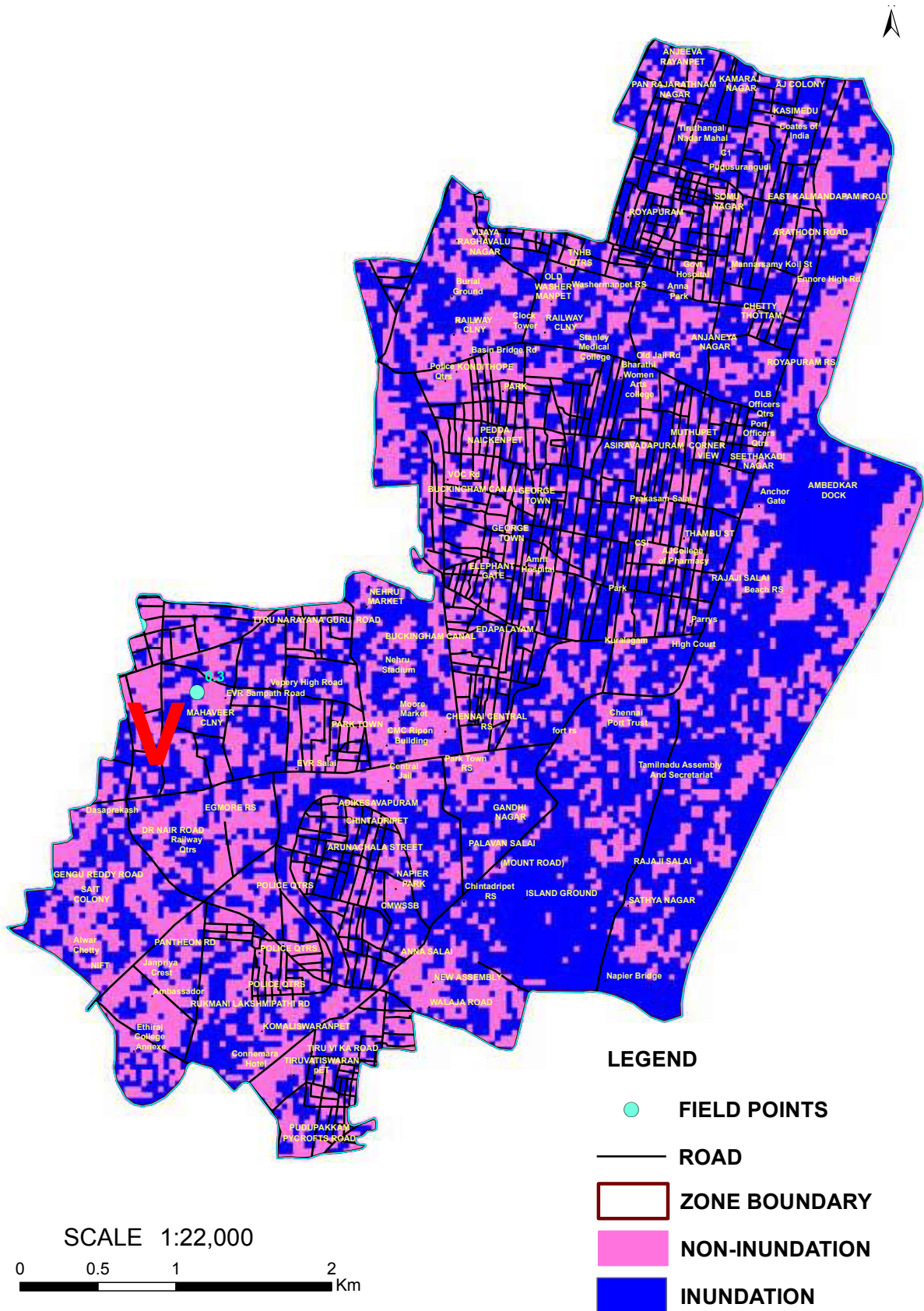
S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	53	Walltax Road	5 HP	(Police Quarters, Kondithoppe)	Pumped out to B Canal
2	53	Vijayaragavalu Roundana,	10 HP	(Zone-5 Office)	Pumped out to B Canal
3	54	Walltax Road	5 HP	Thirupalli Street junction	Pumped out to B Canal
4	54	Walltax Road and	2-HP	Amman Koil Street Junction	Pumped out to B Canal
5	58	EVK Sampath Salai,	5 HP	Vepery Road	B Canal drain pipe provided to connect SWD
6	58	Sydnams Road,	5 HP	Near Taluk office	Coovam River drain pipe provided and connected to SWD for Quick draing
7	59	VOC Salai,	5 HP	Near Railway Office	
8	61	Ghandhi Irwan Bridge Road	5 HP	Opp.to Ramada Hotel	Pumped out to near by SWD
9	61	Egmore High Road,	5 HP	Near Veeraswamy Street	Centre Median opened for draining ,New drain provided
10	62	Singanna Chetty Street,	5 HP	Jn.of East Coovam Road	
11	62	Arunachalam Road,	5 HP	Near Zion Church	Pumped out to near by SWD
12	63	Chella pillayar Koil Street,	5 HP	Jn of Bharathi Salai.	Pumped out to near by SWD
13	63	G.P. Road,	5 HP	Opp.to Sarmany Hotel	Pumped out to near by SWD

Anna University has mapped the areas inundated in this zone during 2005 flood by crowd sourc method, the picture of the same is given below. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

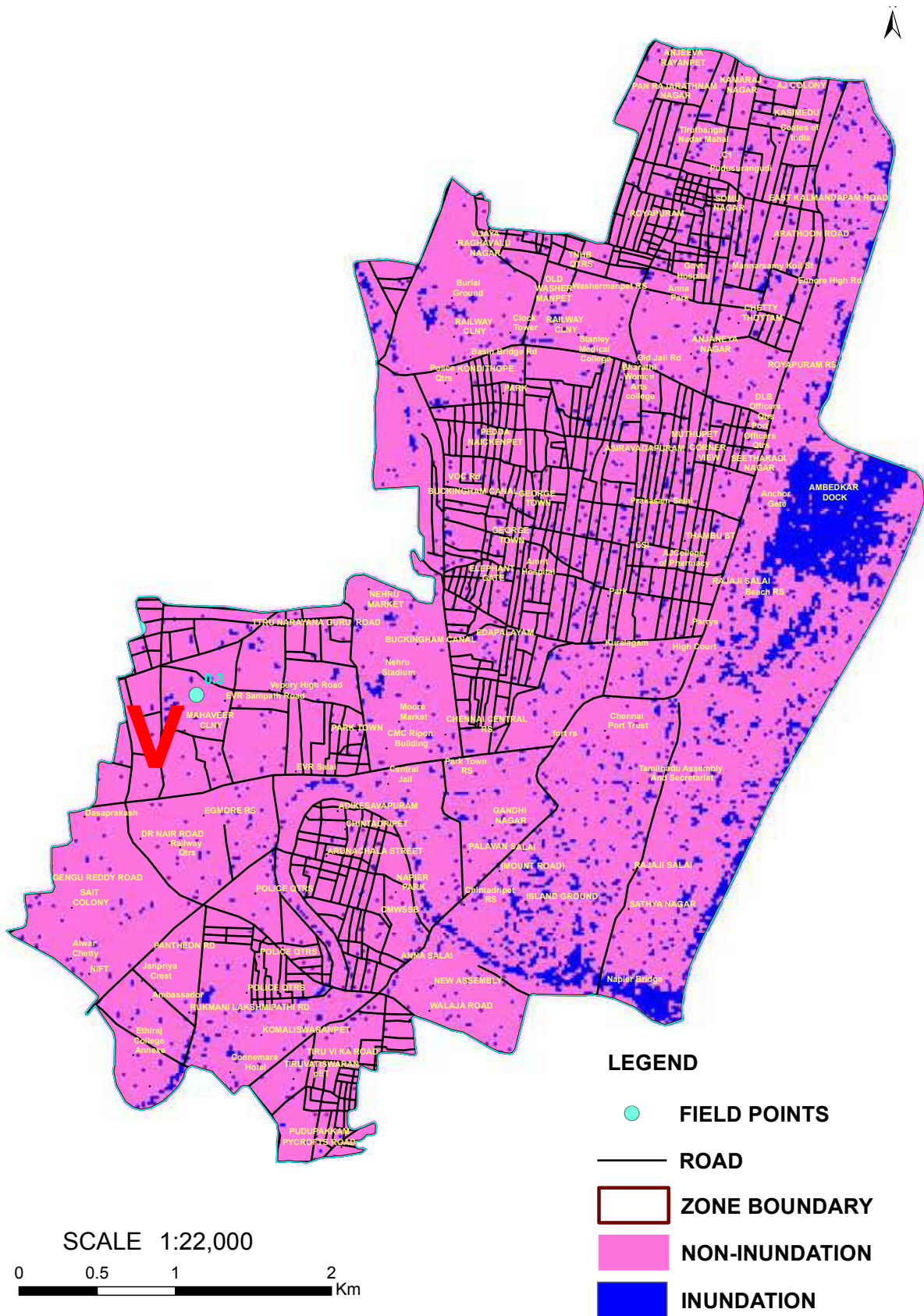
FLOOD INUNDATION MAP FOR ROYAPURAM IN 2005



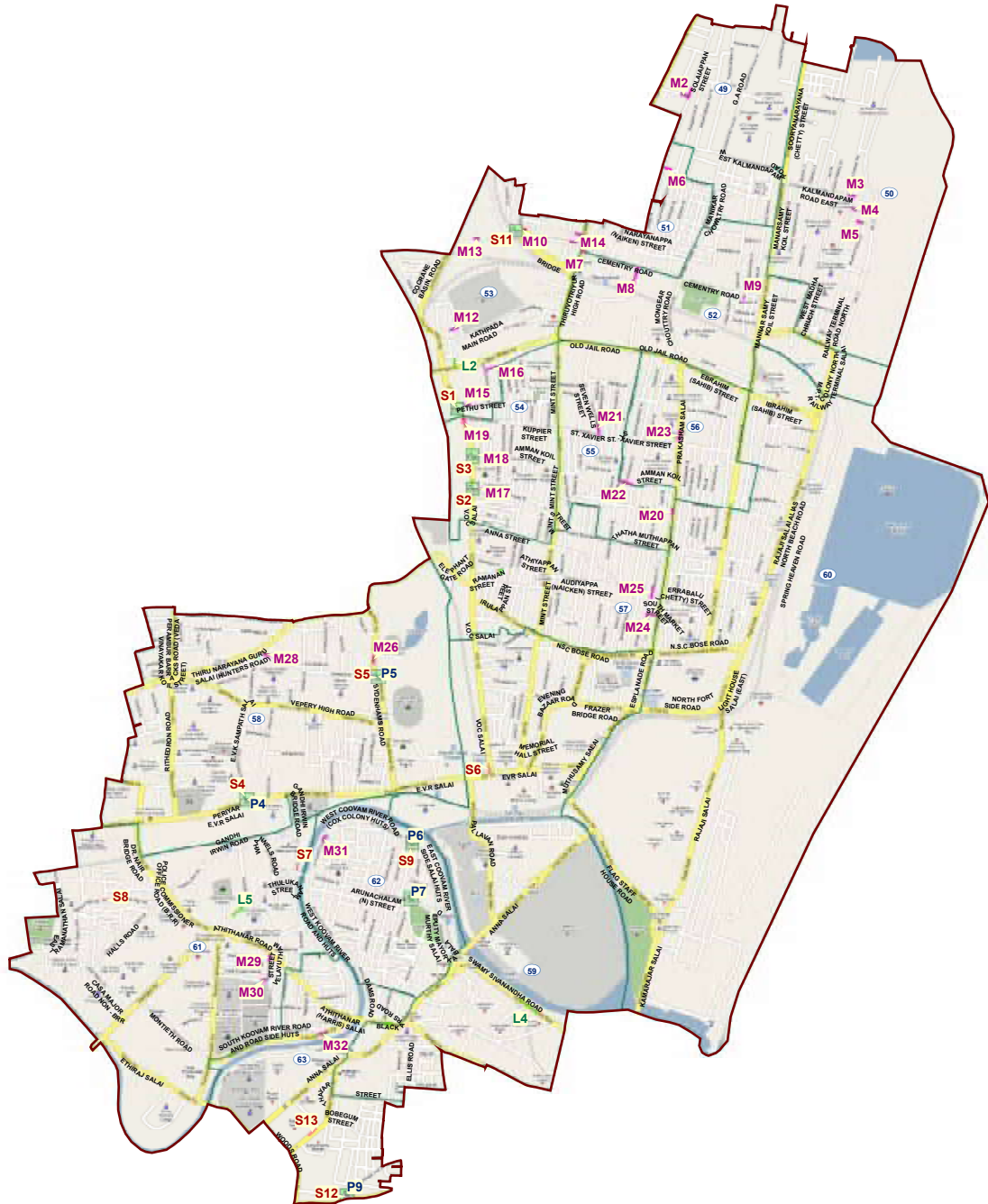
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE V - ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



- Streets where water stagnated in the previous monsoon - Heavy
 - Streets where water stagnated in the previous monsoon - Moderate
- Streets where water stagnated in the previous monsoon - Light
 - ▲ Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - Mild rain

S.No	Ward	Name of the Street
1	53	Parasuraman street
2	53	Chidambaram Nagar
3	57	Ramanan Street
4	59	Sivnantha Salai
5	61	Pantheon Road
6	63	Blakers Road

Water stagnated streets in the previous monsoon - Moderate rain

S.No	Ward	Name of the Street
1	49	Solaiappan Street
2	49	Kothandaraman Street
3	50	G.M.Pettah
4	50	Durai Street
5	50	Venkatasan Street
6	51	Ramanajam Street
7	51	Cemetry Road Jn of T.H. Road
8	52	Modal Lane 1to 5
9	52	Thoppai Street
10	53	Kannan Roundana
11	53	Jayaraman Street
12	53	Stanly Nagar
13	53	Boojaraja Nagar
14	53	Sajjamunusamy Street
15	53	Peddu Street
16	53	North Wall Road
17	54	Thirupalli Street
18	54	Amman Koil Street
19	54	Wall Tax Road
20	55	Prakasam Salai
21	55	Sevenwells Street
22	55	Amman Koil Street
23	56	Prakasam Salai
24	57	Stringer Street

S.No	Ward	Name of the Street
25	57	Devidson Street
26	58	Sydnames Road
27	58	Bakkers Street
28	58	General Collins road
29	61	Velayudam Street
30	61	Driver Street
31	62	West Coovum road
32	63	South Coovum road

Stagnation of water in streets due to sewer blocks

Sl. No.	Ward /Name	Name of the Streets	No. of manholes
1	49	Solaiappan Street	03
		Kothandaraman Street	03
		Old AmaranjiPuram	04
2	50	S.N .Chetty Street	02
		Andiyappan Street	04
		G.M.Pettai	03
		Shiek Masitery Street	04
3	51	Manikandan 6 th Street	03
		Nainiyappan Street	10
4	52	O.S.H.Road	04
		Modal Lane Slum	06
		M.S.Koil Street	02
5	53	Sajja Munusamy Street	02
		Balasubramani Street	01
		Muthiyamasitery Street	02
6	54	Amman Koil Street	02
		Tenapet Ramasamy St	03
7	55	Amman Koil St	3
		Sevenwells St	4
		St.XavierSt	5
		Thiyagaraya Street	2
		MuthuNayakan St	2
		Kumarappa Street	3

Sl. No.	Ward /Name	Name of the Streets	No. of manholes
8	56	Prakasam Salai Poniyamman Koil Street Shanmugarayan Street	01 02 02
9	57	Adiyappanayakan Street Chandrapa St Gentral Muthiya St Manikandan St Devidson St Acharappan St Thathamuthiyapan Annapillai Mint Street	02 03 02 03 03 03 02 03 02 02
10	58	R.T. (m) street Kalathiappa street	5 7
11	59	Thanchai Murugapa Street Mint Street Boomu Street Frazer Bridge Road	3 2 2 3
12	60	Jones St Mookarnala muthu Street Philipes St Moor St Mannady Post office St	2 2 3 2 2 3 1
13	62	Bala Krishna St Palaniandavar Koil st Kalavai Street Singanna St Waller's Street	1 1 1 2 1
14	63	Pantheon Road Egmore High Road	2 2
		Total	154

Relief Centres

There are 11 relief centres to a total capacity of 2250 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

S. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	50	200	Community Hall at Shaik Mastiry Street	Corporation Colony	Yes	Yes	No	Sanitation, Medicine	SI	9445025850
								Evacuation & Relief Materials	AE	9445190350
								Food & Drinking water	ARO	9940140743
2	53	200	Zonal office-5, No:61, Basin Bridge Road, Royapuram	Chidambaram Nagar	Yes	Yes	No	Sanitation, Medicine	SI	9445025853
								Evacuation & Relief Materials	AE	9445190353
								Food & Drinking water	ARO	9940140743
3	58	300	Community Hall Kannapar thidhal Sydenhams Road	Thideer Nagar and Natesan Nagar	Yes	Yes	No	Sanitation, Medicine	SI	9445025858
								Evacuation & Relief Materials	AE	9841952155
								Food & Drinking water	ARO	9445190085
4	59	200	Community Hall, S.M.Nager	Gandhi Nagar	Yes	Yes	No	Sanitation, Medicine	SI	9445025859
								Evacuation & Relief Materials	AE	9445190359
								Food & Drinking water	ARO	9841952155
5	62	200	MRTS Railway Station Chinthardripet	Pallavan Nagar	Yes	Yes	No	Sanitation, Medicine	SI	9445025862
								Evacuation & Relief Materials	AE	9445190362
								Food & Drinking water	ARO	9841952155

S. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
6	61	250	Anthoneyar School Adithanar Salai, Egmore	Transport Lane	Yes	Yes	No	Sanitation, Medicine	SI	9445025861
								Evacuation & Relief Materials	AE	9445190361
								Food & Drinking water	ARO	9841952155
7	61	200	Chennai Middle School, Varatharaja Puram, Egmore	Varathar- ajapuram	Yes	Yes	No	Sanitation, Medicine	SI	9445025861
								Evacuation & Relief Materials	AE	9445190361
								Food & Drinking water	ARO	9841952155
8	62	250	Chennai High School, West Coovum Road, Pudupet	Rex Street, Five huts	Yes	Yes	No	Sanitation, Medicine	SI	9445025862
								Evacuation & Relief Materials	AE	9445190362
								Food & Drinking water	ARO	9841952155
9	62	50	Corporation Gym, Ulagappa Street Chinthad- ripet	West Coovum road	Yes	Yes	No	Sanitation, Medicine	SI	9445025862
								Evacuation & Relief Materials	AE	9445190362
								Food & Drinking water	ARO	9841952155

S. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
10	63	200	Chennai Primary School, Goyathoppu Street, Pudupet.	South Coovum road	Yes	Yes	No	Sanitation, Medicine	SI	9445025863
								Evacuation & Relief Materials	AE	9445190363
								Food & Drinking water	ARO	9841952155
11	63	200	Veerapatheran Street Community Hall, Pudupet.	Boothaperumal koil street	Yes	Yes	No	Sanitation, Medicine	SI	9445025863
								Evacuation & Relief Materials	AE	9445190363
								Food & Drinking water	ARO	9841952155

ZONE V - EVACUATION & RELIEF SHELTER

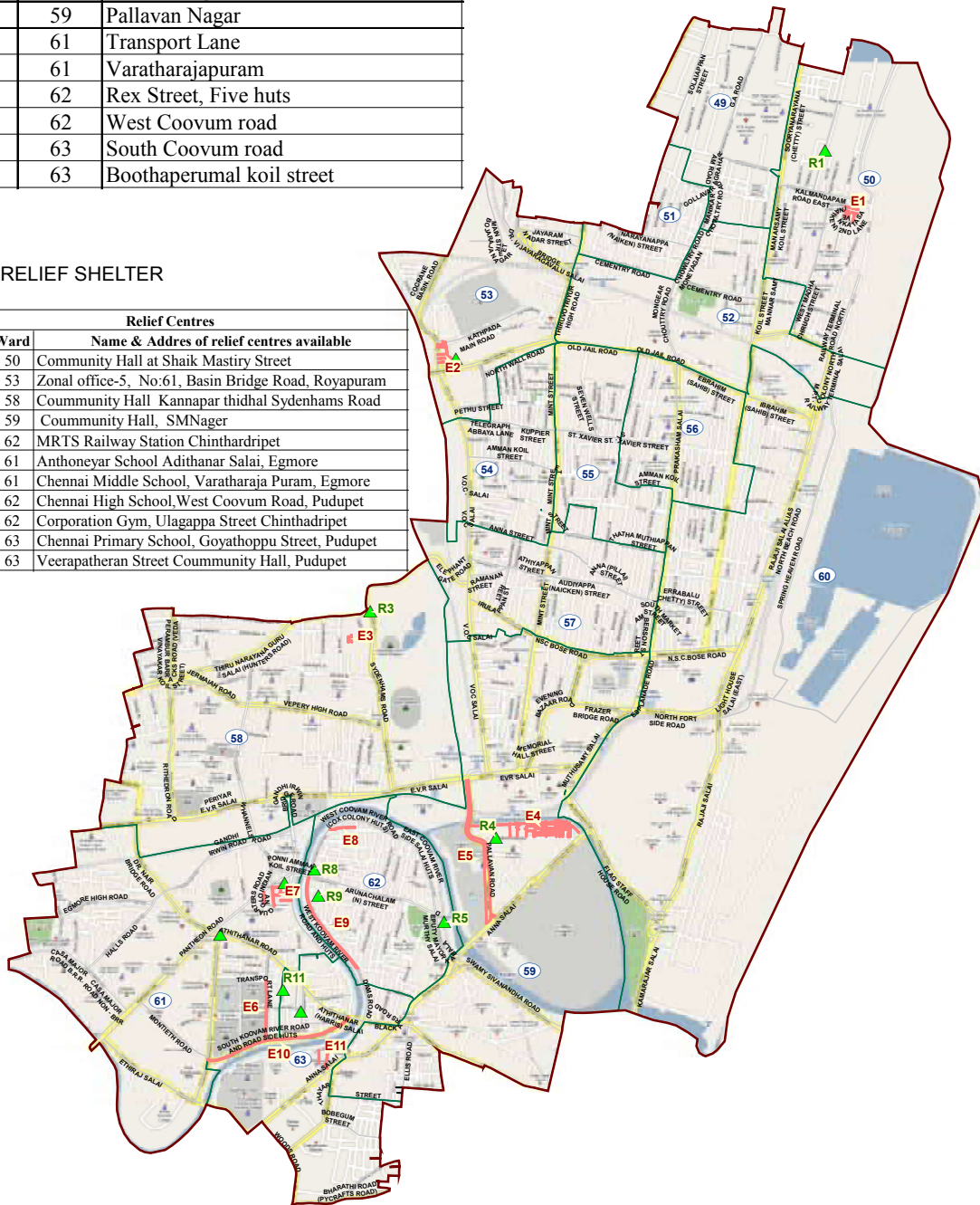


STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
E1	50	Corporation Colony
E2	53	Chidambaram Nagar
E3	58	Thideer Nagar and Natesan Nagar
E4	59	Gandhi Nagar
E5	59	Pallavan Nagar
E6	61	Transport Lane
E7	61	Varatharajapuram
E8	62	Rex Street, Five huts
E9	62	West Coovum road
E10	63	South Coovum road
E11	63	Boothaperumal koil street

▲ RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Address of relief centres available
R1	50	Community Hall at Shaik Mastury Street
R2	53	Zonal office-5, No:61, Basin Bridge Road, Royapuram
R3	58	Community Hall Kannapar thidhal Sydenhams Road
R4	59	Community Hall, SMNager
R5	62	MRTS Railway Station Chinthadripet
R6	61	Anthoneyar School Adithanar Salai, Egmore
R7	61	Chennai Middle School, Varatharaja Puram, Egmore
R8	62	Chennai High School, West Coovum Road, Pudupet
R9	62	Corporation Gym, Ulagappa Street Chinthadripet
R10	63	Chennai Primary School, Goyathoppu Street, Pudupet
R11	63	Veerapatheran Street Community Hall, Pudupet



Subways

There are 6 subways in Royapuram zone for a length of 1382 m. The electrical pumps (5HP-1, 12.5 HP – 2, 15 HP - 1 & 25HP-2) and diesel pumps (5HP -3, 10HP-6, 12.5HP -4 & 7.5HP -2) are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Location	Length of the subway in'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 60 R.B.I. Subway	600	Canal	10-HP-6 25 HP-2 (Ele) 10 HP-3 5 HP-1
2	Ward 61 Gengu Reddy Subway	400	Canal	15 HP-1-(Ele) 12.5-HP-2 (Ele) 5HP-2 5 HP - 1 (Electrical)
3	Ward 52 M.C.Road Subway	382	Canal	12.5 H.P - 4 7.5 H.P - 2
4	Ward 53 C.B.Road Subway	50	Canal	5 HP-1
5	Ward 60 Rajaji Salai Subway near Beach railway station	60	B- Canal	10 HP - 1



R.B.I. Subway



Gengu Reddy SubWay



M.C.Road Subway

Tree fall

During the last monsoon, in Royapuram zone totally 14 tree branches were fallen and cleared. The major tree fall in this zone were noticed in the following locations in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	49	Solaiappan Street Near CWC. New Thandavarayan St., (Near market), M.C.Road (Near Arihant Showroom)
2	51	Cemetery Road (Near Classic Apartment), East Cemetery road (Hosing Board), Selva Vinayaga Street
3	52	B.C.Press Road, Cemetry Road (Near RSRM Hospital)
4	53	Peddu St.,(Near Police Quarters) Basin Bridge Road (Near Mint Bridge)
5	56	Thiruvalluvan Nagar
6	59	E.V.R.Salai (Near MMC Ground), Issac Street (Near Women Police hostel)

Streets - water entered houses - do not require evacuation

During the last monsoon, 6 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 6 locations were inundated for more than a day by which the normal day to day activity of 50 people were standstilled. Flood water from these areas was cleared by using 3 pumps ranging from 5 HP to 20 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	53 Dr.Vijaya Rahavalu Road	Srinivasan Street, Boojaraja Nagar, Kannan Street, Sajja Munusamy Street, Stanley Nagar Canal Street , P.P.Amman Koil Street Slum in Dn-53

Streets that require evacuation

In Royapuram zone, there was no evacuation occurred during the heavy flood last year 2015.

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 7 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	58&61	Assistant Engineer	9445190922
2	59 P,58P,57P &54P	Assistant Engineer	9445190923
3	62,63 & 59 P	Assistant Engineer	9445190924
4	53-P,54-P 57-P 55-P	Assistant Engineer	9445190921
5	49,50,51,53-P	Junior Engineer	9445190919
6	49 to 63	Additional divisional Engineer (Zone)	9445190045
7	49 to 63	Divisional Engineer (HQ)	9445190753

National Disaster Response Force (NDRF)

In Royapuram zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	53	Greater Chennai Middle School Basin Bridge road, Chennai-600 021

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

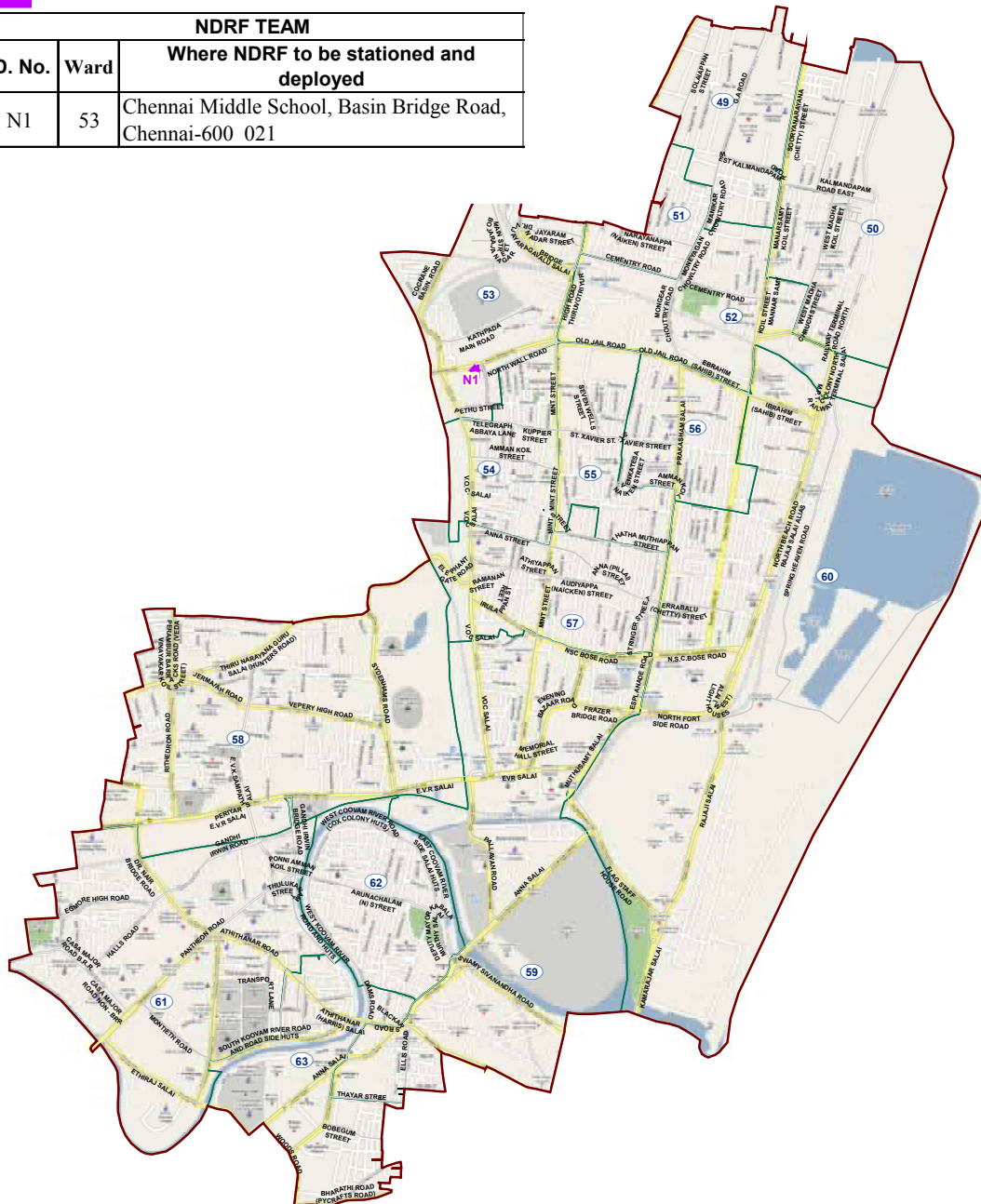
In this Zone there was no such situation of using Rescue boats.

ZONE V - NDRF TEAM



NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	53	Chennai Middle School, Basin Bridge Road, Chennai-600 021



Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 3 debris lorries, 3 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in the zone are given below.

No. of lorries and type kept in readiness
Debris lorry - 8
Skid steer loaders (Bob cat) - 6
(Front end loader) JCB - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445026097	1	4	6 -H MV, 1-LMV	2

Streets/lanes less than 2.5 m that cannot be accessed by Vehicles

Nil

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 49**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190349
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9445025849
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190549
GCC - Revenue	Tax Collector	9940150759
Revenue	Revenue Inspector	8056070278
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930049
TANGEDCO	Junior Engineer	9445850884
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086021
Police station	Inspector	9498128816
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –50**Ward councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190350
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9445025850
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190550
GCC - Revenue	Tax Collector	7358643468
Revenue	Revenue Inspector	9176017058
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930050
TANGEDCO	Junior Engineer	9445850885
BSNL	Assistant Engineer	9445147222
Fire service	Inspector	9445086021
Police station	Inspector	9498128816
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee–51**Ward councillor – -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190351
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9445025851
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190551
GCC - Revenue	Tax Collector	9840357311
Revenue	Revenue Inspector	8056070278
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930051
TANGEDCO	Junior Engineer	9445850886
BSNL	Assistant Engineer	9445147222
Fire service	Inspector	9445086021
Police station	Inspector	9498133119
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –52**Ward councillor – -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190352
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9445025852
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190552
GCC - Revenue	Tax Collector	9444355755
Revenue	Revenue Inspector	9840357311
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930052
TANGEDCO	Junior Engineer	9445850887
BSNL	Assistant Engineer	25255486
Fire service	Inspector	9445086021
Police station	Inspector	9841457087
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –53**Ward councillor – -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190353
GCC - Electrical	Assistant Engineer	9445190921
GCC- Health	Sanitary Inspector	9445025853
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190553
GCC - Revenue	Tax Collector	9840357311
Revenue	Revenue Inspector	733899920
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930053
TANGEDCO	Junior Engineer	9445850888
BSNL	Assistant Engineer	25255486
Fire service	Inspector	9445086021
Police station	Inspector	9498133119
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –54**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190354
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9445025854
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190554
GCC - Revenue	Tax Collector	9884739151
Revenue	Revenue Inspector	7358476381
GCC - Park overseas	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930054
TANGEDCO	Junior Engineer	9445850228
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086006
Police station	Inspector	9444212244, 9444014531,
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee –55**Ward councillor – -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	94454190355
GCC - Electrical	Assistant Engineer	9445190921
GCC- Health	Sanitary Inspector	9445025855
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190555
GCC - Revenue	Tax Collector	9841459744
Revenue	Revenue Inspector	9380320297
GCC - Park overseas	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930055
TANGEDCO	Junior Engineer	25268833, 25271214
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9444612745
Police station	Inspector	9498133576
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee –56**Ward councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190356
GCC - Electrical	Assistant Engineer	9445026119
GCC- Health	Sanitary Inspector	9445025856
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190556
GCC - Revenue	Tax Collector	9150874769
Revenue	Revenue Inspector	7904598538
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930056
TANGEDCO	Junior Engineer	9445850728
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086069
Police station	Inspector	044-2524747, 9498127888
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee –57**Ward councillor – -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190357
GCC - Electrical	Assistant Engineer	9445190921
GCC- Health	Sanitary Inspector	9445025857
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190557
GCC - Revenue	Tax Collector	9445104298, 9791126199
Revenue	Revenue Inspector	9094166850
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930057
TANGEDCO	Junior Engineer	9445850732
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086069
Police station	Inspector	9952052381
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee – 58**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190358
GCC - Electrical	Assistant Engineer	9445190923
GCC- Health	Sanitary Inspector	9445025858
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC-Solidwaste management	Conservancy Inspector	9445190558
GCC - Revenue	Tax Collector	9884310508
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930058
TANGEDCO	Junior Engineer	9445850738, 9445850720
BSNL	Assistant Engineer	044-25611274, 9445018645
Fire service	Inspector	044-26426422, 9445086069
Police station	Inspector	9444167213 9498186839
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee – 59**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190359
GCC - Electrical	Assistant Engineer	9445190923
GCC- Health	Sanitary Inspector	9445025859
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190559
GCC - Revenue	Tax Collector	9840940159, 9884891156
Revenue	Revenue Inspector	9444253196
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930059
TANGEDCO	Junior Engineer	9445850702 9445850705
BSNL	Assistant Engineer	9444976224
Fire service	Inspector	9445086012
Police station	Inspector	9498132957,9789822026, 9498132244
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 60**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190360
GCC - Electrical	Assistant Engineer	9445026119
GCC- Health	Sanitary Inspector	9445025860
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190560
GCC - Revenue	Tax Collector	9382171451,9094664705, 9444442287
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930060
TANGEDCO	Junior Engineer	9445850712,9445850713,
BSNL	Assistant Engineer	9444976224
Fire service	Inspector	9445086012
Police station	Inspector	9498132957,9789822026,
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 61**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190361
GCC - Electrical	Assistant Engineer	9445190924
GCC- Health	Sanitary Inspector	9445025861
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190561
GCC - Revenue	Tax Collector	9444149488, 9003272933
Revenue	Revenue Inspector	9940020737,9094664705
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930061
TANGEDCO	Junior Engineer	9445850716
BSNL	Assistant Engineer	9444976224
Fire service	Inspector	9865177211
Police station	Inspector	9865177211
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 62**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190362
GCC - Electrical	Assistant Engineer	9445190924
GCC- Health	Sanitary Inspector	9445025862
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190562
GCC - Revenue	Tax Collector	9094664705
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930062
TANGEDCO	Junior Engineer	9445850705
BSNL	Assistant Engineer	9444961176
Fire service	Inspector	9865177211
Police station	Inspector	9498133566
PWD	Assistant Engineer	9444612745
TNSCB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 63**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190363
GCC - Electrical	Assistant Engineer	9445190924
GCC- Health	Sanitary Inspector	9445025863
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190563
GCC - Revenue	Tax Collector	9940020737,9094664705
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	9444044174, 9445194728
CMWSSB	Assistant Engineer	8144930063
TANGEDCO	Junior Engineer	9445850706
BSNL	Assistant Engineer	9444961176
Fire service	Inspector	9865177211
Police station	Inspector	9444961176
PWD	Assistant Engineer	9444612745-
TNSCB	Assistant Engineer	9445074772
Highways	Divisional Engineer	948727706

ZONE - VI

ZONE CONTENTS

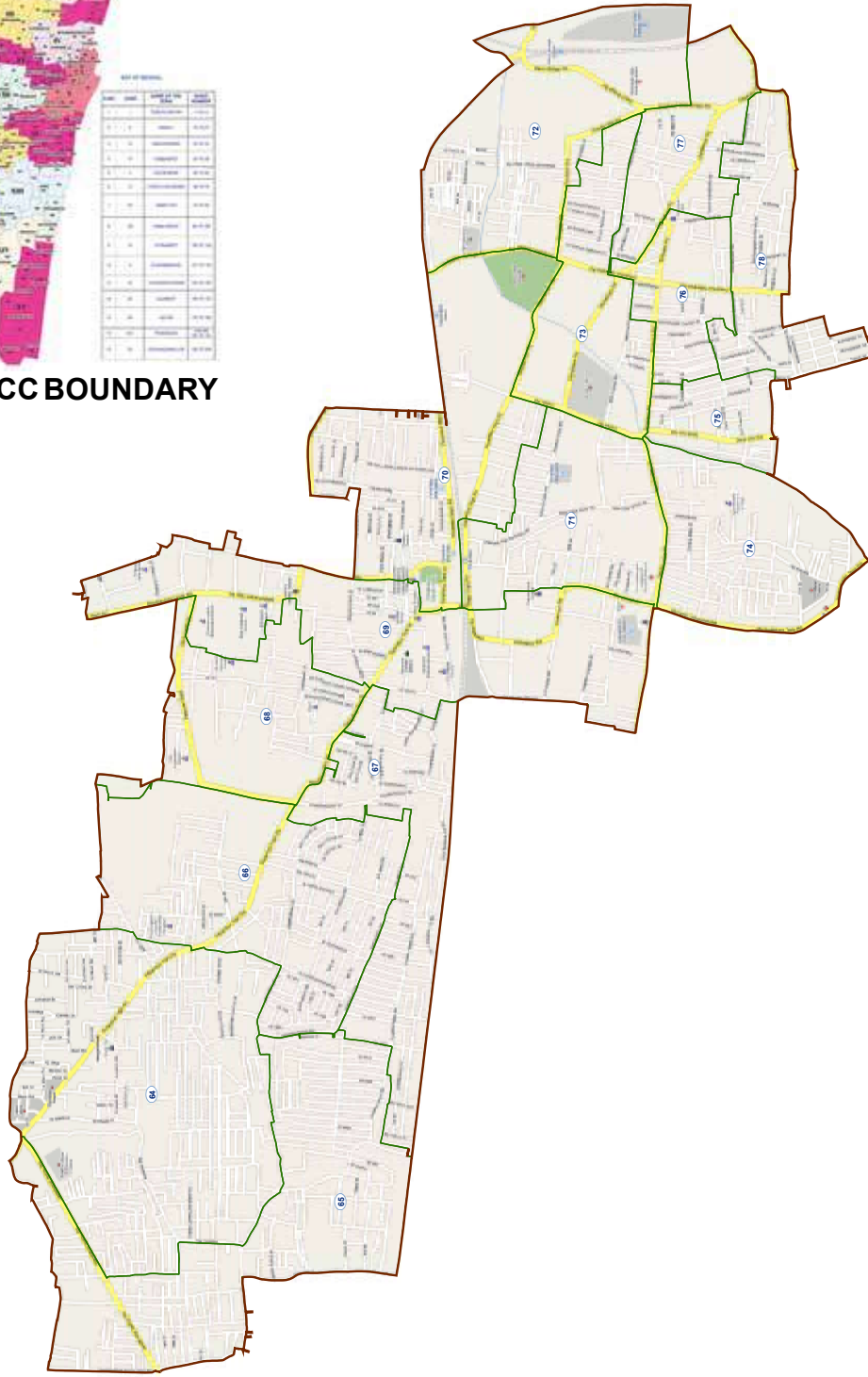
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ZONE VI - WARD BOUNDARY



GCC BOUNDARY

ZO



NAME OF THE ZONE	WARD NUMBER
Thiru-Vi-Ka Nagar	64 TO 78

Profile

The Thiru – Vi – Ka - Nagar zone lies in **Latitude 13.10587°**, **Longitude 80.2396°** and extends to an area of **31.72 Sq.km.**.

The population is about **7.78 Lakhs**. It is divided into 3 administrative units namely unit 15,16 & 17 which includes 15 wards from 64 to 78. In this zone there are 2255 roads, out of which 2200 roads to a length of 380.85 Km are Interior Roads, 55 Roads to a length of 35.47 Km are Bus Route Roads which are maintained by GCC and the balance 1 road are under the maintenance of Highways department.

There are 15 Wards in Thiru – Vi – Ka – Nagar zone having a total population 7.78 lakhs with Male population of about 48.97% and Female population of about 51.03 % In this zone, the most crowded area is 65 with a population of 66314 and the least populated area is 70 with a population of 35,132. The Ward wise population is given below,

Sl.No.	Ward No	Total House Holds	Total Population
1	64	17406	95806
2	65	17398	74440
3	66	14621	45952
4	67	15909	57787
5	68	12234	46642
6	69	14700	48245
7	70	10004	35132
8	71	10037	36961
9	72	10706	51332
10	73	9689	39283
11	74	15105	57841
12	75	7690	51917
13	76	12015	52831
14	77	10860	39840
15	78	16126	43989
	TOTAL	194500	777998

Zone Administration

The Zone is headed by the Zonal Officer who works with close coordination with the Commissioner, Greater Chennai Corporation and other officials. The Zonal Officer is assisted by Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate officers. The responsibilities of each officers are well described in the page number 122 of this booklet. The following are contact details of the officials.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	64 - 78	
2	Zonal Officer	64 - 78	9445190006

Engineering Wing

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer – I	64 to 69	9445190038
2	Executive Engineer – II	70 to 78	9445190026
3	Assistant Executive Engineer	Unit-15	9445190115
4	Assistant Executive Engineer	Unit-16	9445190116
5	Assistant Executive Engineer	Unit-17	9445190117
6	Assistant Executive Engineer - Electrical	64 to 78	9445190046
7	Assistant Executive Engineer - Mechanical	64 to 78	9445190489

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbages, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Assistant Executive Engineer, Solid Waste Management	64 to 78	9962922513
2	Conservancy supervisor	Unit-15	9445191415
3	Conservancy supervisor	Unit-16	9445191415
4	Conservancy supervisor	Unit-17	9445191417

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners. The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers coordinate with them for general maintenance of health in the zone. The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone VI	9445190066
2	Junior Entomologist	Zone VI	9445025876
3	Sanitary Officer	Unit-15	9445025869
4	Sanitary Officer	Unit-16	9445190686
5	Sanitary Officer	Unit-17	9445025874
6	Veterinary Assistant Surgeon	Zone - VI	9445194748
7	Veterinary Assistant Surgeon Slaughter House	Zone - VI	9445026041

Parks

In this zone there are 41 Parks available in various locations such as Perambur, Elephant Gate Road, Jawahar Nagar and Paper Mills Road etc. . These parks serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194752 Park Overseer	Power saw – 9	Thiru – Vi –Ka -Kagar

S. No	Ward	Location of the Park
1	64	Thenpalani Nagar TVK Park, Thenpalani Nagar VOC Park, Poombughar Nagar Park, Poombughar Nagar Park, Anjugam Nagar Park, V.V. Nagar Park
2	65	Mohammed Hussain Colony Park, Rajaji Nagar Rohini Park, RK Syndicate Nagar Park, Mahaveer Nagar Park, Thirumalai Nagar Park, Senthil Nagar 10th street Park, Janakiraman Colony Park, P.U. Shanmugam Park Senthil Nagar Park 13th St. (Thanthai Periyar Park)
3	66	Jawahar 5th Main Road Park, Sakthivel Nagar 2nd Park, Periyar Nagar 21st Street Park, Jawahar Nagar 2nd Circular Road Park
4	67	SRP Koil Street.
5	68	George Colony Park, KKR Avenue Park Pallavaram Salai., Sarjid Hussain Park, Kenndy Square North Street
6	69	Venkateswara Nagar 1st Park, Ragavan Street Park
7	70	Gandhi Park, M.H. Road, Rajiv Gandhi Park, Perambur Murasolimaran Park (North), Vadivelu 2nd street Park, Kannapiran Koil Street Park
8	71	Perambur Murasoli Maran Park (South),
9	73	Quiad-e-Millet Park , Wardiya Park at New Ferrance Road,
10	74	Otteri Tropical Dry Ever Green Forest (Herbal Park),
11	75	Patel Park,
12	76	Cornor Smith Nagar Park, Selvapathy Park, Bakthavatchalam Park, Kalaingar Karunanithi Park
13	77	Amma Park, Elephant Gate Road, New TPF Park

Sewage Pumping Stations

There are Fifteen pumping stations available in Thiru – Vi –Ka - Nagar Zone with average capacity of 11.26MLD for each pumping station. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station is given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	Jayaram Nagar	15.0	1 - 50 HP, 1 - 60 HP, 1 - 70 HP
2	Periyar Nagar Jaganatan Salai	10.0	2 - 60 HP
3	Sivaelango Salai Jawahar Nagar	10.0	2 - 60 HP
4	Dimmasamy Durga Street	5.0	2 - 20 HP, 1 - 40 HP
5	Kennady Square 3rd North Street	12.0	2 - 120 HP, 1 - 60 HP 1 - 30 HP
6	Teeds garden	10.0	2 - 50 HP
7	PH Road	25.0	3 - 40 HP, 4 - 60HP 1 - 120 HP, 1 - 80HP
8	Egankipuram	7.0	1 - 25HP, 1 - 60HP, 1 - 50HP, 1 - 35HP
9	Kannigapuram (Venkatesapuram Main Road)	6.0	2 - 20HP, 1 - 40HP
10	VOC Nagar 3rd Cross Street	0.5	2 - 7.5 HP
11	Nammalwar Pet	12.0	1 - 50 HP, 1 - 70HP, 1 - 90HP
12	SVM nagar	2.0	2 - 10HP
13	Edward Park Street	0.5	1 - 10HP
14	KP Park	4.0	1 - 20HP, 1 - 40HP
15	Perambur Barracks Road	50.0	2 - 670 HP, 2 - 350HP

Tamil Nadu Slum Clearance Board tenements

There are 13 TNSCB tenements in Thiru - Vi - Ka - Nagar zone with a population of 38440. Greater Chennai Corporation will take care of garbage clearance and CMWSSB will take care water supply and sewage issues inside these tenements. The details of tenements and the contact details of the Officials are given below,

Sl.No	Ward	Tenement location	No. of tenement	Population
1	66	Raja Garden	150	320
2	68	Jamaliya Housing Board	180	480
3	69	Govindapuram Slum	448	2200
4	70	Dr.Ambedkar College Road	400	1800
5	72	Vasuki Nagar	110	15000
6	72	SVM Nagar	60	
7	72	VOC Nagar	40	
8	72	Joseph Nagar	70	
9	72	Venkatesapuram	45	
10	73	Periyar Nagar Housing Board	8	1000

SI.No	Ward	Tenement location	No. of tenement	Population
11	74	SVM Nagar	8	7000
12	77	KP Park	1558	7790
13	77	PK Colony	570	2850
	Total		3647	38440

Contact details

Department	Designation	Area	Contact No.
TNSCB	Executive Engineer	Vysarpadi	9445074751
Water Supply & Sewage / CMWSSB	Area Engineer	Area - 6	8144930906

Water Bodies and Waterways

There are 3 Canals and 1 Water channel. The 3 canals are namely Ekangipuram / Railway Canal, Jawahar Canal and Gandhi Canal. All the 3 canals dispose the rain water into Otteri nallah. The Railway canal originates from Villivakkam Railway gate and traverses 1.60 km and reaches Ekangipuram canal. The Ekangipuram Canal originates from Perambur high road (south) and traverses about 1.00 km and reaches Konnur high road Twin Canal. The Twin Canal at Konnur High Road carries the entire rain water and reaches Otteri Nallah near Otteri Bridge. Jawahar Canal originates from Madhavaram High Road and traverses 0.70 km and reaches CC Canal. The Gandhi Canal originates from Demellous road and passes through a length of 0.90 km and reaches GMR confluence point.

Greater Chennai Corporation is doing a massive work to remove hyacinth and also performing desilting works in all the canals, storm water drain, rivers & lakes periodically as a precautionary measure in order to face the upcoming monsoon. Storm Water Drains were constructed by GCC for a distance of 115 km to ease the flow of rain water. Most of the Locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies.

The details of various water bodies in this zone is listed below,

Canals

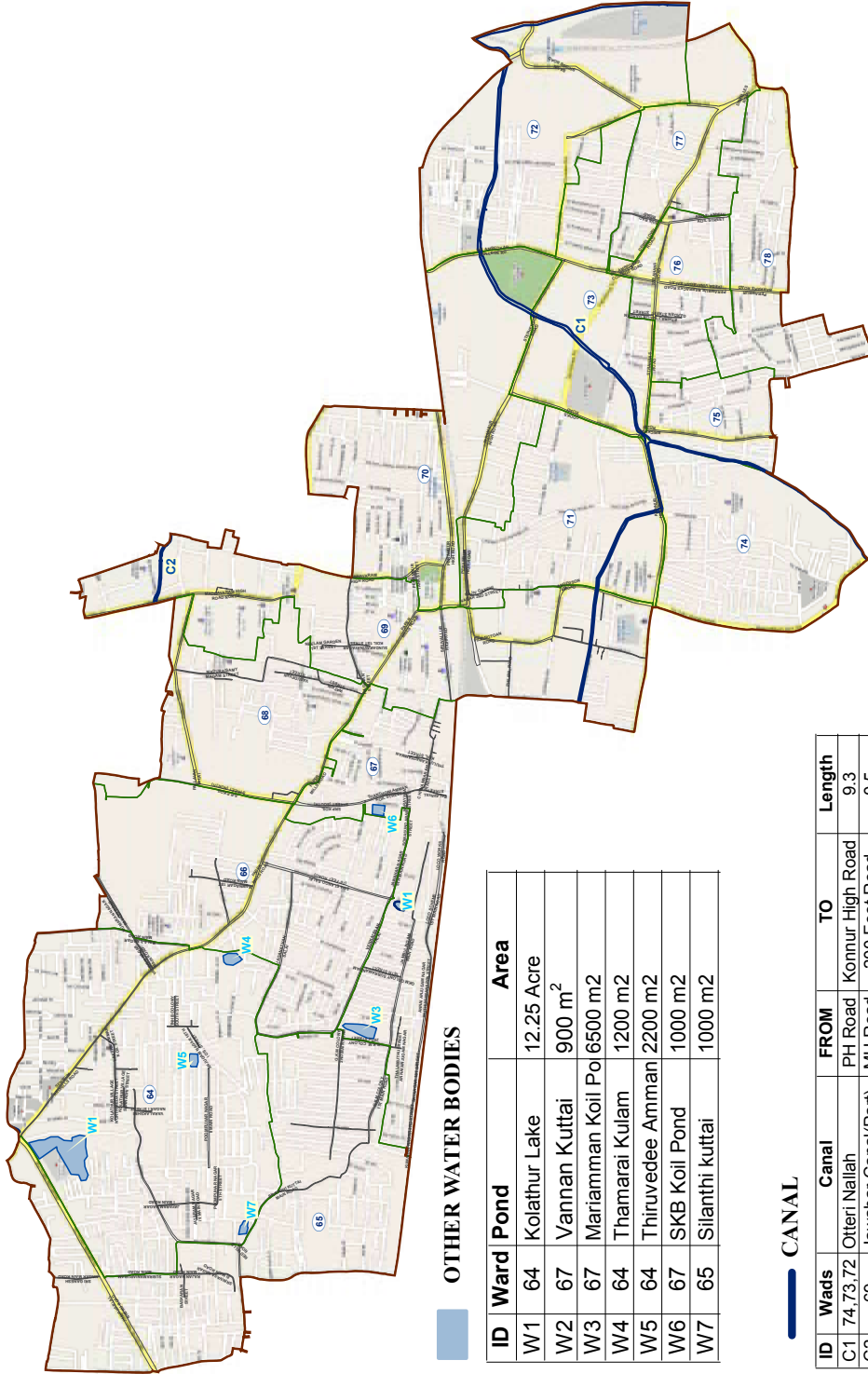
Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Otteri Nallah	70, 72, 73, 74, 75	Medavakkam Tank Road (Kel-lys)	GMR confluence Point	3.35

2	Jawahar Canal(Part)	69	MH Road	200 Feet Road	0.70
3	Railway Canal	69	Villivakkam Railway gate	Anderson Road, Railway Quarters	1.60
4	Ekangipuram Canal	70	Perambur High Road (South)	Konnur High Road Twin Canal	1.00
5	Gandhi Canal	73	Demellows Road	GMR confluence Point	0.90

Other water bodies

S. No.	D.No	Name of Other water bodies	Extent in Sq.m
1	64	Kolathur Lake (PWD)	20000
2	64	Haridoss Pond	8500
3	64	ThiruveethiammanKoil Pond	3000
4	64	North Mada Street, Sanathi Street, (Chandra Kulam) (HR &CE)	1200
5	64	Chandra Kulam	812
6	64	Suriyan Kulam	616
7	65	Kannagi Nagar	2700
8	65	Silanthi Kuttai	1000
9	65	Srinivasan Nagar 3rd Main Road	1200
10	66	K.C.Garden 4th Street	800
11	67	Kanagar Street, Sundara Perumal Koil Lake	5000
12	67	GKM Colony 24th Street, (TNSCB)	10000
13	67	GKM Colony 9th Street, Vannan Kuttai (TNSCB)	1500
14	67	Chakarabani Thoottam Pond	100
15	68	Thillaiinayagam 2nd Street	1500
16	68	Paper Mills Road	1000
17	69	Thikkakulam (Railway Property)	1000
18	69	Sankaramadam Street	1000
19	71	Semathamman Colony	1000
20	76	Kandhaswamy Koil Street (Square Tank)	1276
21	77	Ayyavoo Street (Thattangulam Pond)	608
22	78	Angalamankoil Street (Square Tank)	506

ZONE VI - WATER BODIES



Storm water Drains

This is one of the newly added zones where, infra structure facilities are being provided. Particularly new network SWD's construction is under progress as part of the Integrated Storm Water drain network. The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off the rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

There are 467 storm water drains to a length of 115 Km were constructed to ease the flow of rain water in Thiru – Vi – Ka –Nagar zone. The details of SWD and instructions to be followed before and during rain are given below.

SI. No.	Ward	Total No. of SWDs	Length of SWDs in Km
1	64	114	36.576
2	65	45	9.65
3	66	79	20.71
4	67	30	6.6
5	68	27	10.08
6	69	27	10.63
7	70	27	10.87
8	71	15	3.92
9	72	14	1.85
10	73	16	6.83
11	74	31	6.05
12	75	10	2.78
13	76	17	3.52
14	77	15	3.62
15	78	14	3.38
TOTAL		481	137.06

Water stagnated streets in the previous monsoon - heavy rain

During the last monsson, 15 inundated spots in this zone were identified and actions were taken to bale out the rain water. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

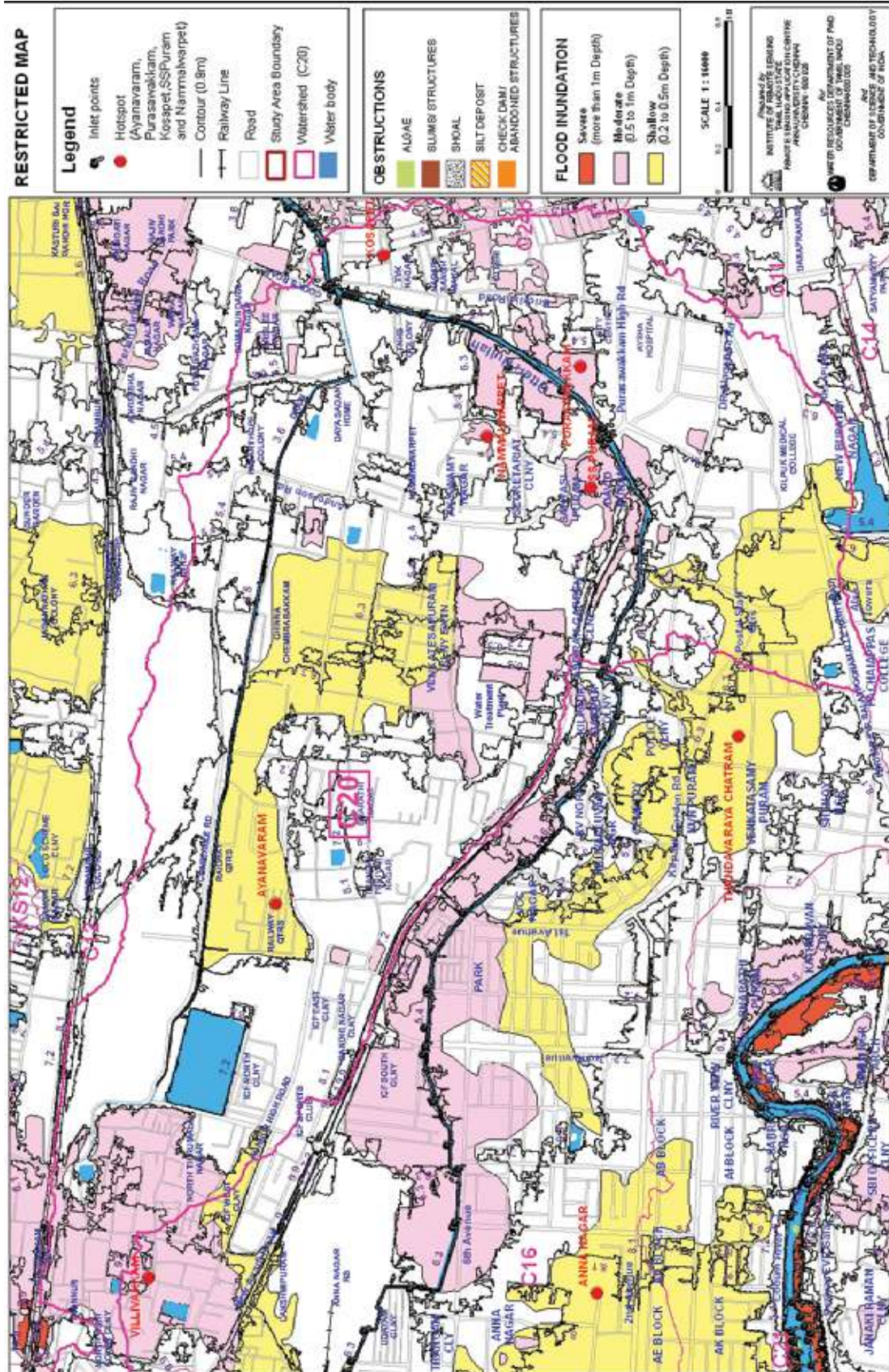
Sl. No.	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	64	Samuthriya Colony, Gandhi Nagar	Pumped out Water With 5HP,7HP	Samuthriya Nagar	Velavan Nagar
2	65	Kambar Nagar, VV Nagar, Selvi Nagar	Pumped out Water With 5HP	Selvi Nagar	SWD
3	66	Papermills Road	Natural Flow	-	-
4	67	GKM Colony, Munusamy Street, Sivagami Street	Pumped out Water With 5HP	Near Storm Water Drain	1.Vannan Kuttai Kulam 2. Foxen Street. 3. Foxen Street
5	68	Papermills Road	Pumped out Water With 5HP	Near S2 Theatre	SWD
6	69	MH Road, Anderson Road	Natural Flow	-	-
7	70	PH Road South Jamaliya	Due to increasing level in otteri nallah natural flow	-	Otteri Nallah
8	71	Chandra Yogi Samathi Street	Pumped out Water With 6HP	Near be Police booth	SWD
9	72	Kannigapuram	Pumped out Water With 2-5HP	Doss Nagar	Railway Canal

Sl. No.	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
10	73	Ammaiyammall Road, New Ferrance Road, Strahans Road	Pumped out Water With 5HP	Jn of Puliyanthope High Road, Jn of Ambedkar College Road, Starhans Road	Otteri Nallah
11	74	Subburayan Street	Pumped out Water With 5HP	Subburayan 5th Street	SWD
12	75	Chellappa Street	Pumped out Water With 5HP	Jn of Strahans Road	Otteri Nallah
13	76	Strahans Road, Barracka Gate Road	Due to increasing level in otteri nallah natural flow	-	-
14	77	Demellows Road, Elephant Gate Bridge Road	Pumped out Water With 5HP	Near HajjCommittiy	MothilalNehru Street
15	78	Angallamman Koil street, Choolai High Road	Pumped out Water With 5HP	Jn of Angallamman Koil Street	SWD

Anna University has mapped the areas inundated in Thiru. Vi. ka. Nagar during 2005 flood by crowd sourc method, the picture of the same is given below.

The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

FLOOD INUNDATION MAP FOR THIRU. VI. KA. NAGAR IN 2005



INUNDATION EXTENT ON 3 DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

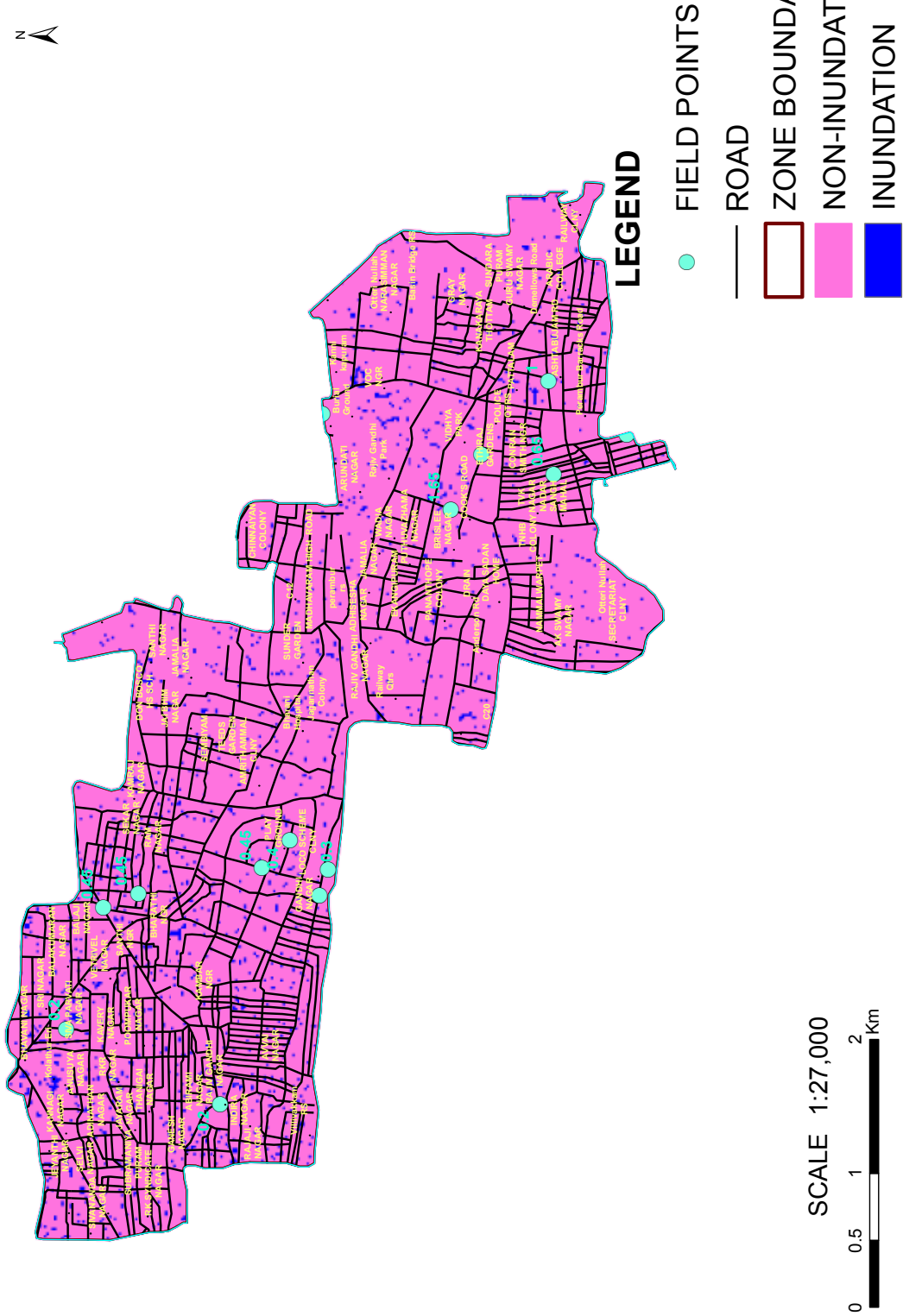


LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

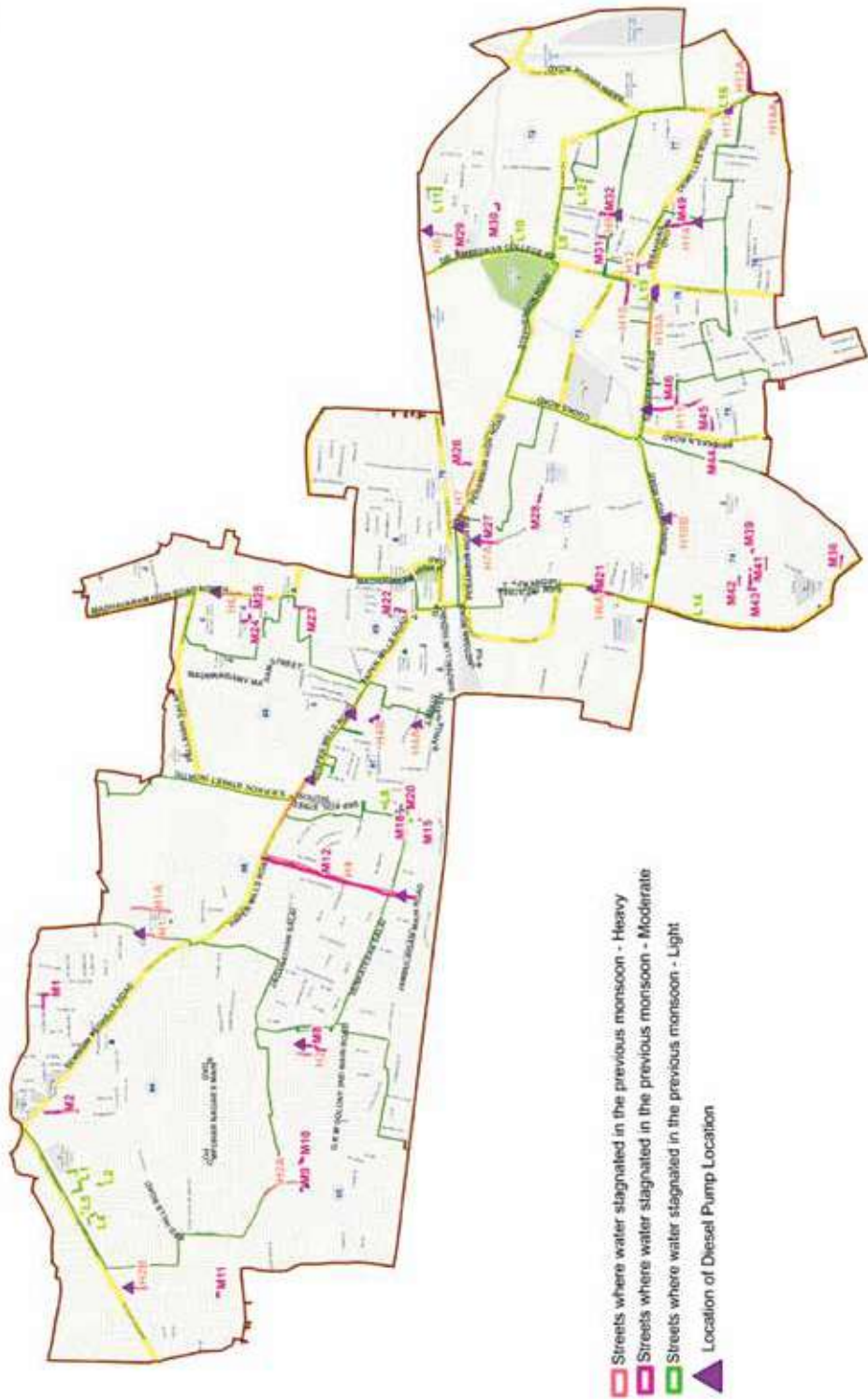


INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE VI

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



Water stagnated streets in the previous monsoon - Mild rain fall

S.No.	ward	Name of the Street
1	64	sivasakthi nagar
2	64	mgr nagar
3	65	Thillai nagar 2nd street
4	65	Thillai nagar 4th street
5	65	Selvi nagar
6	67	Gopal reddy colony
7	68	paper mills road
8	68	pallavan salai
9	72	Decaster Road
10	72	VOC Nagar
11	72	Doss Nagar
12	73	Parthasarathy street
13	73	Natcharyammal street
14	74	Medavakam tank road
15	76	Strahans road
16	77	Demellows road

Water stagnated streets in the previous monsoon - Moderate rain fall

S.No.	Ward	Name of the Street
1	64	Srinagar colony
2	64	School road
3	64	Sivasakthi nagar
4	64	MGR nagar
5	65	Thillai nagar 2nd street
6	65	Thillai nagar 4th street
7	65	Selvi nagar
8	65	Adhiyaman street
9	65	Rajiv gandhi street
10	65	V V Nagar 5th street
11	65	Srinivasan nagar 2nd street
12	66	70 feet road
13	67	Gopal reddy colony
14	67	SRP Koil street
15	67	munsusamy street
16	68	paper mills road
17	68	pallavan salai
18	68	madurai samy madam

S.No.	Ward	Name of the Street
19	68	watkin street
20	68	mohammaedean street
21	69	Anderson road
22	69	Bandergarden main street
23	69	thirunavakarasu street
24	69	jawahar road
25	69	shanthi nagar main road
26	70	arunthathi nagar
27	71	Chandrayogi samathi st
28	71	Krishnadass st
29	72	Brightons Road
30	72	Thiru VI Ka Nagar
31	73	ramasamy street
32	73	Narayanasamy street
33	73	Newferrance road
34	73	Parthasarathy street
35	73	Natcharyammal street
36	74	Medavakam 2nd street
37	74	Secretrait colony 3rd street
38	74	Secretrait colony 4th street
39	74	Secretrait colony 5th street
40	74	Secretrait colony 6th street
41	74	Secretrait colony 7th street
42	74	Secretrait colony 9th street
43	74	Aksamy 9th street
44	75	SS Puram A Block 7th street
45	75	Valluvan street
46	75	Edward park street
47	75	Chellapa street
48	76	Strahans road
49	76	Angalamman koil street
50	76	Sachithananthan street
51	76	CS Garden
52	76	Barracks gate road
53	76	KM Garden 1st street
54	77	Demellows road
55	77	Elephant Gate Bridge road
56	78	VV koil street



Ward 64, School Road

Stagnation of water in streets due to sewer blocks:

Sl. No.	Ward	Name of the Streets	No. of Manholes
1	64	Sivananda Nagar 2nd Street , Makkaram Thottam Avvai Street, VOC Street	8
2	65	GKM Colony 21 ,23 & 24 th Street	4
3	66	S.S.V. Koil 1st Street, Chinna Kulanthai 2nd Street, Vajeravelu Street, Foxen Street,Venkateswara Nagar 1st Street, Constable Road,Vasantha garden Main Street Gnammbal Garden 2nd Street, Madurai Street	12
4	69	Bashyam Reddy Street	2
5	72	Decastor Road VOC Nagar 1st Street, VOC Nagar 8th Street, Brightons Road	11
6	73	Periyar Nagar Housing Board, Ammaiyammal Street, Near D.No.71, Kutty Thambiran Street , Narayanasamy Street , Ramasamy Street, Prakash Rao Colony	12
7	74	No.1, Ranganathapuram (Old Amma Unavagam), 46/170, Baracca Main Road , 42/172, Baracca Main Road , B-Block, SVM Nagar	8
8	75	S.S.Puram A-Block, 2nd Street, 14th & 15th Street, Chellappa Street (Near UPHC) & Door No. 68, S.S.Puram B-Block Main Street	4
9	77	Sachithanandam Street ,.Kandasamy Koil Street	2
10	78	Demellous Road, Pulianthop 3rd & 2nd St, Sivaraja Puram, Sundarapuram, K.P.Park, Bogipalayam	6

Relief Centres:

There are 15 relief centres to a total capacity of 7570 is readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres and the Measures to be taken before and during the rain is given below.

S. No	Ward Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
1	64	500	School Road CHS	MN Nagar, Sivasakthi Nagar, Mahathama Ganthi Nagar, MGR Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025869
								Evacuation	Assistant Engineer	9445190364
								Food & Drinking water	Assistant Revenue Officer	9444665777
								Relief Materials	Assistant Engineer	9445190364
2	65	150	Srinivasan Nagar, Corporation School	Bharath Rajiv Gandhi Nagar, Jayanthi Nagar, Hussain Colony, Senthil Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025869
								Evacuation	Assistant Engineer	9445190365
								Food & Drinking water	Assistant Revenue Officer	9444665777
								Relief Materials	Assistant Engineer	9445190365
3	66	150	KCGarden CMS	Jawahar Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445190686
								Evacuation	Assistant Engineer	9445190364
								Food & Drinking water	Assistant Revenue Officer	9444665777
								Relief Materials	Assistant Engineer	9445190366

S. No	Ward Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
4	67	100	Pappammal St School	GKM Colony	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025867
								Evacuation	Assistant Engineer	9445190367
								Food & Drinking water	Assistant Revenue Officer	9444665777
								Relief Materials	Assistant Engineer	9445190367
5	68	120	Madurai Samy Madam Urdu School, Gopala puram School	Dr.Ambedkar Nagar, Jai Beem Nagar, Kamaraj Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025868
								Evacuation	Assistant Engineer	9445190368
								Food & Drinking water	Assistant Revenue Officer	9444665777
								Relief Materials	Assistant Engineer	9445190368
6	69	300	Bunder Garden School, Community Centre Raja street	Kollanthottam, St Marys Road	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025869
								Evacuation	Assistant Engineer	9445190369
								Food & Drinking water	Assistant Revenue Officer	9444665777
								Relief Materials	Assistant Engineer	9445190369
7	70	800	School Road, Perambur, Chennai - 11	Mettupalayam , Arunthathi Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025870
								Evacuation	Assistant Engineer	9445190370
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190370

S. No	Ward Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
8	71	300	Chandrayogi Samathi Community Hall, CPS, Mangalapuram, CMS, Ekangipuram	Egankipuram, KH Road, Sasthri Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025871
								Evacuation	Assistant Engineer	9445190371
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190371
9	72	600	CMS, Adithravidha Boys Hr.Sec School, Adithravidha Girls Hr.Sec School, TVK, Corporation Primary School	Doss Nagar, Kannigapuram	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025872
								Evacuation	Assistant Engineer	9445190372
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190372
10	73	150	CPS, New Ferrance Road, CHS, New Ferrance Road	Gandhi Nagar, Grey nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025873
								Evacuation	Assistant Engineer	9445190378
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190373
11	74	1000	CMS, CPS	SVM Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025874
								Evacuation	Assistant Engineer	9445190374
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190374

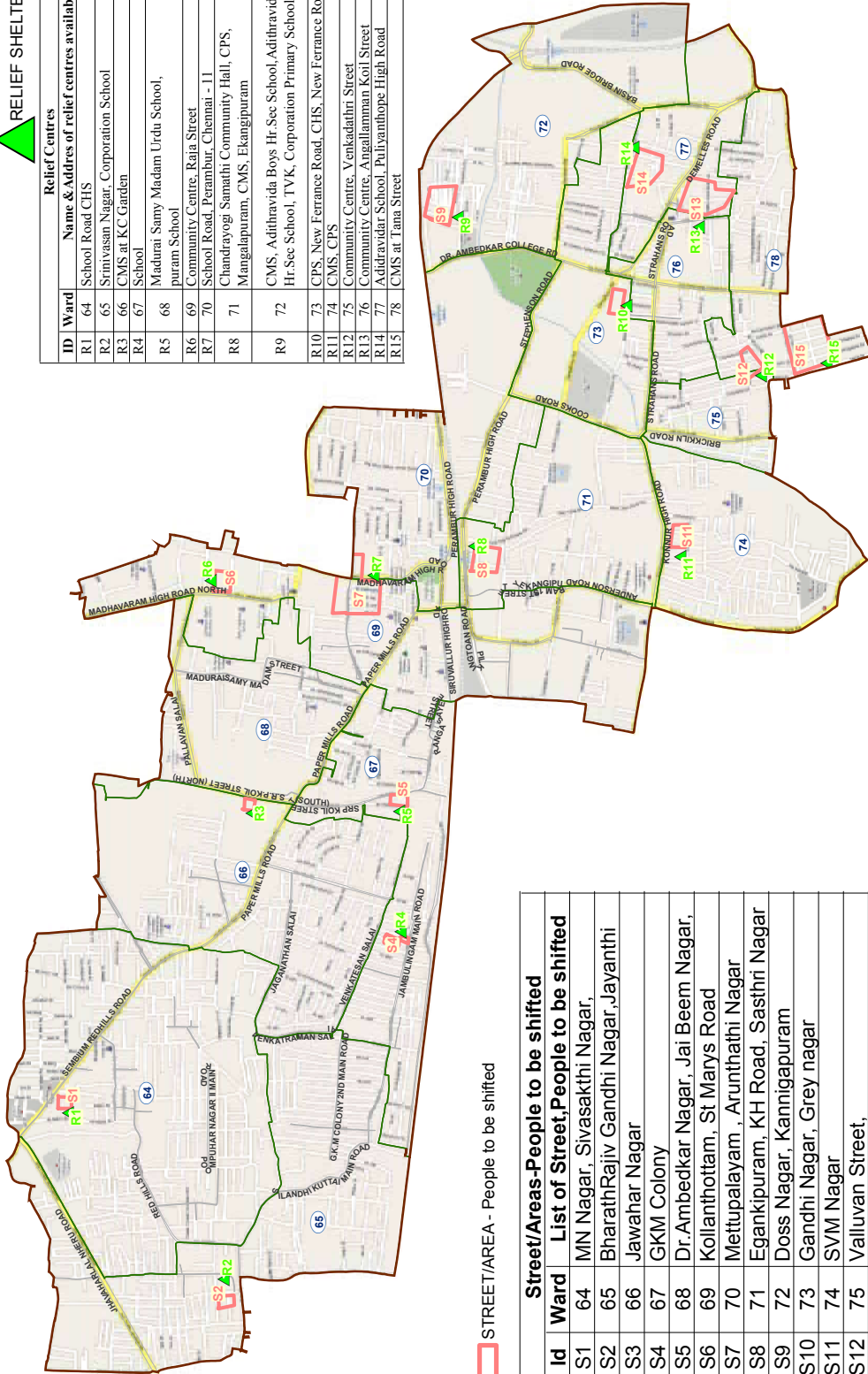
S. No	Ward Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
12	75	1000	Community Centre, Venkadathri Street	Valluvan Street,	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025875
								Evacuation	Assistant Engineer	9445190375
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190375
13	76	400	Community Centre, Angallamman Koil Street	KM Garden, CS Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025876
								Evacuation	Assistant Engineer	9445190376
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190376
14	77	1000	Adidravidar School, Pulyanthope High Road	Kattur Nalla Muthu Street, Tattan Kullam	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025877
								Evacuation	Assistant Engineer	9445190377
								Food & Drinking water	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190377
15	78	1000	CMS at Tana Street	Erran Street	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9445025878
								Evacuation	Assistant Engineer	9445190378
								Food & Drinking water	Assistant Revenue Officer	9789033020

ZONE VI - EVACUATION & RELIEF SHELTERS



RELIEF SHELTER

Relief Centres	
ID	Name & Address of relief centres available
R1	64 School Road CHS
R2	Srinivasan Nagar, Corporation School
R3	CMS at KC Garden
R4	67 School
R5	Madurai Saamy Madam Urdu School, Cospala puram School
R6	Community Centre, Raia Street
R7	70 School Road, Perambur, Chennai - 11
R8	Chandrayogi Samathi Community Hall, CPS, Mangalapuram, CMS, Ekangipuram
R9	CMS, Adithravidya Boys Hr. Sec. School, Adithravidya Girls Hr. Sec. School, TVK, Corporation Primary School
R10	73 CPS, New Ferrance Road, CHS, New Ferrance Road
R11	74 CMS, CPS
R12	75 Community Centre, Venkadathri Street
R13	76 Community Centre, Angallamman Koil Street
R14	77 Adithravidya School, Puliyamthope High Road
R15	78 CMS at Tana Street



□ STREET/AREA - People to be shifted

Street/Areas-People to be shifted	
Id	List of Street, People to be shifted
S1	64 MN Nagar, Sivasakthi Nagar,
S2	65 BharathRajiv Gandhi Nagar, Jayanthi
S3	66 Jawahar Nagar
S4	67 GKM Colony
S5	68 Dr. Ambedkar Nagar, Jai Beem Nagar,
S6	69 Kollanthottam, St Marys Road
S7	70 Mettupalayam, Arunthathi Nagar
S8	71 Egankipuram, KH Road, Sasthri Nagar
S9	72 Doss Nagar, Kannigapuram
S10	73 Gandhi Nagar, Grey nagar
S11	74 SVM Nagar
S12	75 Valluvan Street,
S13	76 KM Garden, CS Nagar
S14	77 Gurusamy nagar
S15	78 Erran Street

Subways

There are 3 subways located at Ganesapuram and 2 at Perambur in Thiru – vi – ka -nagar zone. The submersible and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Ward No	Location	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	70	Ganesa puram	30	Otteri Nullah	55 Hp –2 (Submersible Motor) 10 Hp – 1(Submersible Motor)
2	70	Perambur Subway	50	Ekangipuram	10 HP-1 (Submersible Motor)
3	70	Perambur Pedestrian Subway	150	Strom Water Drain	10 HP-1 (Submersible Motor)

Tree fall

During the last monsoon, in Thiru – Vi – Ka - Nagar zone totally 57 tree branches were fallen and cleared. The major tree fall in this zone was observed at Ward 66 with a total tree fall of 12 and least tree fall was observed at Ward 67,71,74,76 & 77 with 1 tree falls in each Wards. The details are as follows,

Sl.No.	Ward	Name of the Streets
1	64	United Colony
2	65	GKM Colony 12th Street
3	66	Karthigeyan Salai
4	66	Jawahar Nagar
5	67	Loco Works Road
6	68	SRP Koil Street
7	69	Jawahar Road
8	69	Madhavaram High Road
9	70	School Road
10	71	Semathamman Colony
11	72	Basin Bridge Road
12	73	Stephenson Road, Cooks Road
13	74	Barracka Road
14	75	Chellappa Street, Patel Park

Sl.No.	Ward	Name of the Streets
15	76	CS Park Street
16	77	Demellows Road

Streets - water entered houses that do not require evacuation:

During the last monsoon, 18 inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 18 locations were inundated for more than a day by which the normal day to day activity of 6310 people were stanstilled. Flood water from these areas were cleared by using 21 pumps ranging from 5 HP to 60 HP capacity. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl. No.	Ward	Name of the area/ streets
1	64	Sivaparvathi Nagar, MN Nagar, Dr.Ambedkar Nagar
2	65	Selvi Nagar 5th Street, Thirumalai Nagar 3rd St
3	66	Jawahar Nagar 1 to 24 Street
4	67	GKM Colony
5	68	Jamaliya Housing Board
6	69	Gowthamapuram Slum
7	70	Arunthathi Nagar
8	71	Ekanigipuram
9	72	Decaster Road, Doss Nagar
10	73	Ammayammall Street
11	73	Natcharammall Street
12	74	Subburayan Street
13	74	Choolaimedu Street
14	75	SS Puram A & B Block
15	76	Angallamman Koil Street

SI. No.	Ward	Name of the area/ streets
16	77	Kattur Nalla Muthu Street
17	77	Puliyanthope 1st Street
18	78	Astabujam Street

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Thiru – Vi – Ka - Nagar zone there were 13300 people were evacuated from Jawahar nagar, GKM Colony, Mettupalayam, V.O.C.Nagar, SS Puram and Thattankulam and they are accomated in Chennai Middle School, Night shelter and Community Hall. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and measures to be taken during evacuation are given below.

SI. No.	Ward	Streets	No. of persons	Years	Relief centre
1	64	Dr.Ambedkar Nagar, MN Nagar	1200	2015	Chennai High School, Kolathur
2	66	Jawahar Nagar	900	2015	Chennai Middle School, KC Garden
3	67	GKM Colony	500	2015	Chennai Primary School, GKM Colony 12th Street
4	70	Mettupalayam	2000	2015	Chennai Girls High Secondary School, 20, School Road
5	71	Rajiv Gandhi Nagar	1500	2015	Egangipuram Chennai Middle School
6	72	Decaster Road	1500	2015	Chennai Middle School
7	72	Venkatesapuram 1 to 9th Street	800	2015	Adithravidha Boys Hr.Sec School
8	72	VOC nagar	750	2015	Adithravidha Girls Hr.Sec School

Sl. No.	Ward	Streets	No. of persons	Years	Relief centre
9	72	Doss Nagar Pallam	500	2015	TVK, Corporation Primary School
10	73	New Ferrance Road, Ammaiymall Street	450	2015	Chennai Primary School, Chennai Higher Secondary School, New Ferrance Road
11	74	SVM Nagar, Subburayan Street	1500	2015	Chinnababu Street, School
13	75	SS Puram A Block	200	2015	Community Hall, Venkadathiri Street
14	77	Thattankulam	1500	2015	Night Shelter, Old Slaughter House Road, Chennai - 11.

Lighting Facilities

The need for proper lighting is absolute during any crisis and would mean the difference between life and death. In normal crisis situation, power outage is common. Therefore establishing alternate sources of lighting is a pre-requisite. There are 13 battery powered lights are available in the zone and the details are given below

Sl.No	Ward	Contact Person	
		Designation	Phone Number
1	64 to 78	Assistant Executive Engineer (Electrical)	9445190046

National Disaster Response Force/ State Disaster Response Force

In Thiru – Vi – Ka -Nagar zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

Sl.No.	Ward No.	Where NDRF to be stationed and deployed
1	71	Community Centre at Chandrayogi Samathi Street
2	69	Community Centre at Raja Street

NDRF

Location & 24 Hours contact no.
 The Commandant
 04, Battalion(NDRF)
 Suraksha Campus
 Takkolam, Arakkonam
 Vellore District – 631 152
 Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Kattamaram/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, guide the boat man to navigate around marooned areas and arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations and the precautionary measures which needs to be taken before and during the rain are given below.

Sl.No.	Ward No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact Person & Number
1	72,73, 77	2-Doss Nagar, Venkatesapuram Kannikapuram, Ammaiyammall Street, Puliyanthope, Lalsingh Street	G3 Police Station	Notchikupam Ravi 9087539140
2	71 , 70	Egangipuram, Mettupalayam	Lorry Station Near Perambur Railway Station	
3	67 , 66	Jawahar Nagar, GKM Colony	67 Division Office, Agaram	

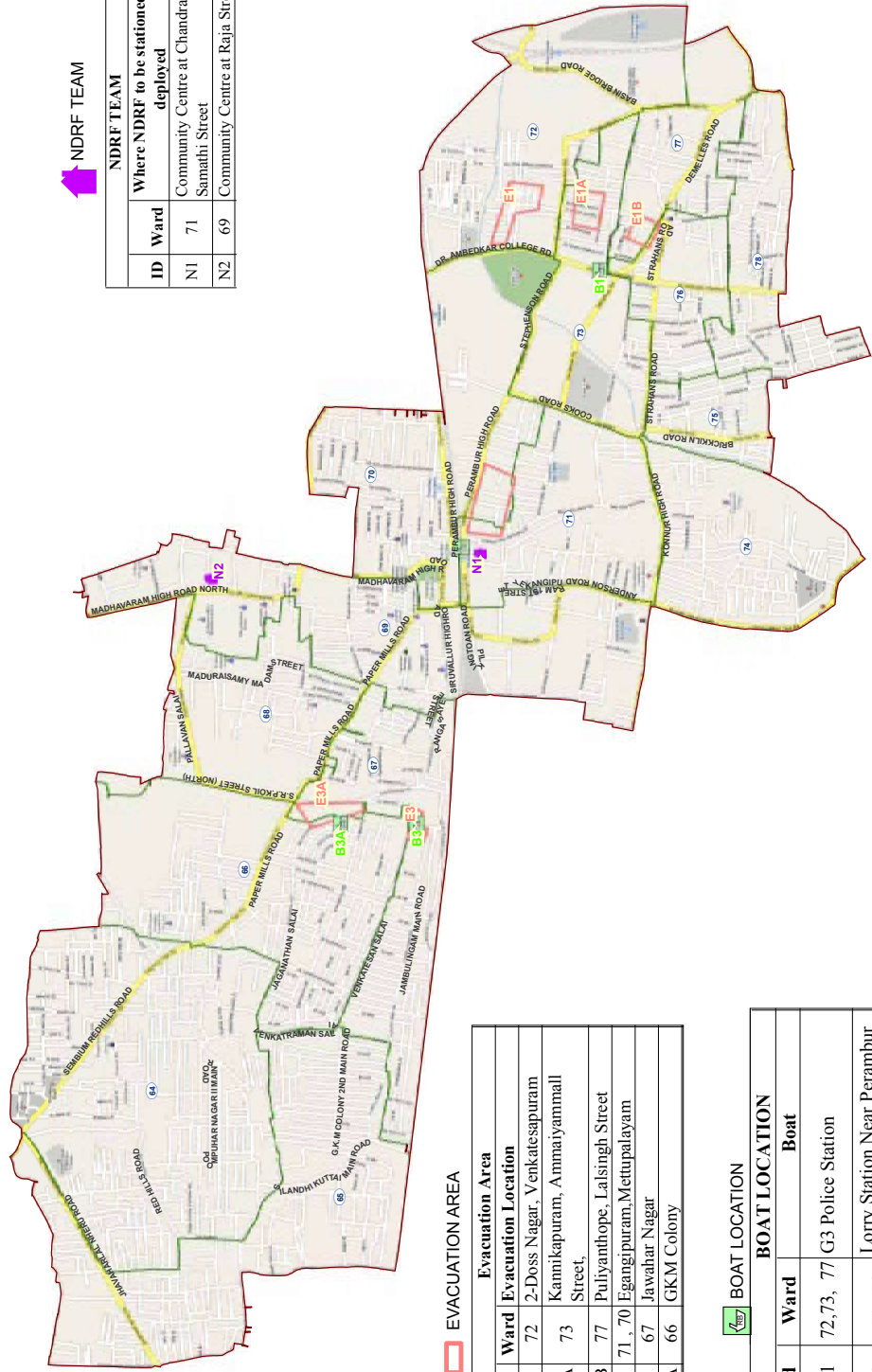


ZONE VI - EVACUATION AREA, NDRF TEAMS & BOAT LOCATIONS



NDRF TEAM

NDRF TEAM		Where NDRF to be stationed and deployed
ID	Ward	
N1	71	Community Centre at Chandrayogi Samathi Street
N2	69	Community Centre at Raja Street



EVACUATION AREA

Evacuation Area	
ID	Ward
E1	72-Doss Nagar, Venkatesapuram
E1A	Kannikapuram, Ammayammall Street,
E1B	77 Puliyanthope, Lalsingh Street
E2	71, 70 Egangipuram, Mettupalayam
E3	71, 70 Egangipuram, Mettupalayam
E3A	66 GKM Colony

BOAT LOCATION

BOAT LOCATION		
Id	Ward	Boat
B1	72,73, 77	G3 Police Station
B2	71, 70	Lorry Station Near Perambur Railway Station
B3	67	67 Division Office
B3A	66	Agaram

Transport Equipment & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 6 debris lorries, 1 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries availability and the precautionary measures which needs to be taken before rain are given below

No. of lorries and type kept in readiness
Debris lorry - 6 Nos
Skid steer loaders (Bob cat) - 1 No
(Front end loader) JCB - 2 Nos

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190493	2	3	6-LMV	2

Streets/lanes less than 2.5 m that cannot be accessed by Vehicles

Sl.No.	Ward No./Name	Name of the Streets
1	75	Sastri Nagar
2	73	Gandhi Nagar
3	73	Krishnapillai Street

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows

Ward committee - 64**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190364
GCC - Electrical	Assistant Engineer	9445190929
GCC- Health	Sanitary Inspector	9942080484
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190564
GCC - Revenue	Tax Collector	9003171790
Revenue	Revenue Inspector	7338907892
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930064
TANGEDCO	Junior Engineer	9445850862 / 9444275723
BSNL	Assistant Engineer	9444954087
Fire service	Inspector	044-26174718, 445086070
Police station	Inspector	044-23452750, 9498127225 044-23452758, 9840708060
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 65**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190365
GCC - Electrical	Assistant Engineer	9445190929
GCC- Health	Sanitary Inspector	9994483542
GCC - Veterinary	Veterinary Assistant Surgeon	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190565
GCC - Revenue	Tax Collector	9840226285
Revenue	Revenue Inspector	8838862944
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930065
TANGEDCO	Junior Engineer	9445850858 / 9445850856 9445850864 / 9445978506
BSNL	Assistant Engineer	9445989865
Fire service	Inspector	04426174718 9445086070
Police station	Inspector	044-23452750, 9498127225
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853
Highways	Assistant Engineer	9742435301

Ward committee – 66**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190366
GCC - Electrical	Assistant Engineer	9445190930
GCC- Health	Sanitary Inspector	9159310858
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190566
GCC - Revenue	Tax Collector	8124988152
Revenue	Revenue Inspector	9884820369/8838862944
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930066
TANGEDCO	Junior Engineer	9445850856 / 9445978504
BSNL	Assistant Engineer	9445010980
Fire service	Inspector	-
Police station	Inspector	9443117819/ 044-25500656/044-23452758
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 67,**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190367
GCC - Electrical	Assistant Engineer	9445190930
GCC- Health	Sanitary Inspector	8072953367 / 8220454215
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190567
GCC - Revenue	Tax Collector	9042365309
Revenue	Revenue Inspector	9884820369
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930067
TANGEDCO	Junior Engineer	9445850855
BSNL	Assistant Engineer	9445010980
Fire service	Inspector	044-25370101
Police station	Inspector	9443117819
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 68**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190368
GCC - Electrical	Assistant Engineer	9445477672
GCC- Health	Sanitary Inspector	8526125162
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190568
GCC - Revenue	Tax Collector	9176134900
Revenue	Revenue Inspector	9884820369
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930068
TANGEDCO	Junior Engineer	9445850863
BSNL	Assistant Engineer	9445010980
Fire service	Inspector	044-25370101
Police station	Inspector	044-23452712
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 69**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190369
GCC - Electrical	Assistant Engineer	9445477672
GCC- Health	Sanitary Inspector	9445025869
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190569
GCC - Revenue	Tax Collector	9944089540
Revenue	Revenue Inspector	8682024332
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930069
TANGEDCO	Junior Engineer	9445850868
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-25370101
Police station	Inspector	044-23452712
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

**Ward committee – 70,
Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190370
GCC - Electrical	Assistant Engineer	9445477671
GCC- Health	Sanitary Inspector	7558116716
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190570
GCC - Revenue	Tax Collector	9080879269
Revenue	Revenue Inspector	8807000990
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930070
TANGEDCO	Junior Engineer	9445850754 / 9445850735
BSNL	Assistant Engineer	9444000143
Fire service	Inspector	044-28554309
Police station	Inspector	044-23452712
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

**Ward committee – 71,
Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190371
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	9488050760
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190571
GCC - Revenue	Tax Collector	6374002058
Revenue	Revenue Inspector	8682024332
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930071
TANGEDCO	Junior Engineer	9445850734 / 9445850735
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	8122274040
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 72,**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190372
GCC - Electrical	Assistant Engineer	9445190925
GCC- Health	Sanitary Inspector	7373394068
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190572
GCC - Revenue	Tax Collector	9940499680
Revenue	Revenue Inspector	8124021111
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930072
TANGEDCO	Junior Engineer	9445850735 / 9445850736
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	044-25322937
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 73**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190373
GCC - Electrical	Assistant Engineer	9445910965 / 9445190925
GCC- Health	Sanitary Inspector	9080250920
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190573
GCC - Revenue	Tax Collector	9361482439
Revenue	Revenue Inspector	9629978482 / 8838234547
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930073
TANGEDCO	Junior Engineer	9445850736 / 9445850734
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	8122274040
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 74**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190374
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	9994781402
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190574
GCC - Revenue	Tax Collector	9380879269
Revenue	Revenue Inspector	9629978482 / 8838234547
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930074
TANGEDCO	Junior Engineer	9445850725 / 9445850868
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853
Highways	Assistant Engineer	9742435301

Ward committee – 75**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190375
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	7639755589
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190575
GCC - Revenue	Tax Collector	9884739151
Revenue	Revenue Inspector	9629978482 / 8838234547
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930075
TANGEDCO	Junior Engineer	9445850725
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	9444957565
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 76**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190376
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	7598974929
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190576
GCC - Revenue	Tax Collector	9840189034
Revenue	Revenue Inspector	9629978482 / 8838234547
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930076
TANGEDCO	Junior Engineer	9445850734 / 9445850738
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	-
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

Ward committee – 77**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190377
GCC - Electrical	Assistant Engineer	9445190925
GCC- Health	Sanitary Inspector	9445025877
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190577
GCC - Revenue	Tax Collector	9884739151
Revenue	Revenue Inspector	9629978482 / 8838234547
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930077
TANGEDCO	Junior Engineer	9445850734 / 9445850738
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	9444472242
PWD	Assistant Engineer	9498129000
TNSCB	Assistant Engineer	7598343853

Ward committee – 78**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190375
GCC - Electrical	Assistant Engineer	9445190925
GCC- Health	Sanitary Inspector	8300275675
GCC - Veterinary	VAS	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190578
GCC - Revenue	Tax Collector	9840189034
Revenue	Revenue Inspector	9629978482 / 8838234547
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930075
TANGEDCO	Junior Engineer	9445850734 / 9445850724
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	044-23452690
PWD	Assistant Engineer	9443130220
TNSCB	Assistant Engineer	7598343853

ZONE - VII

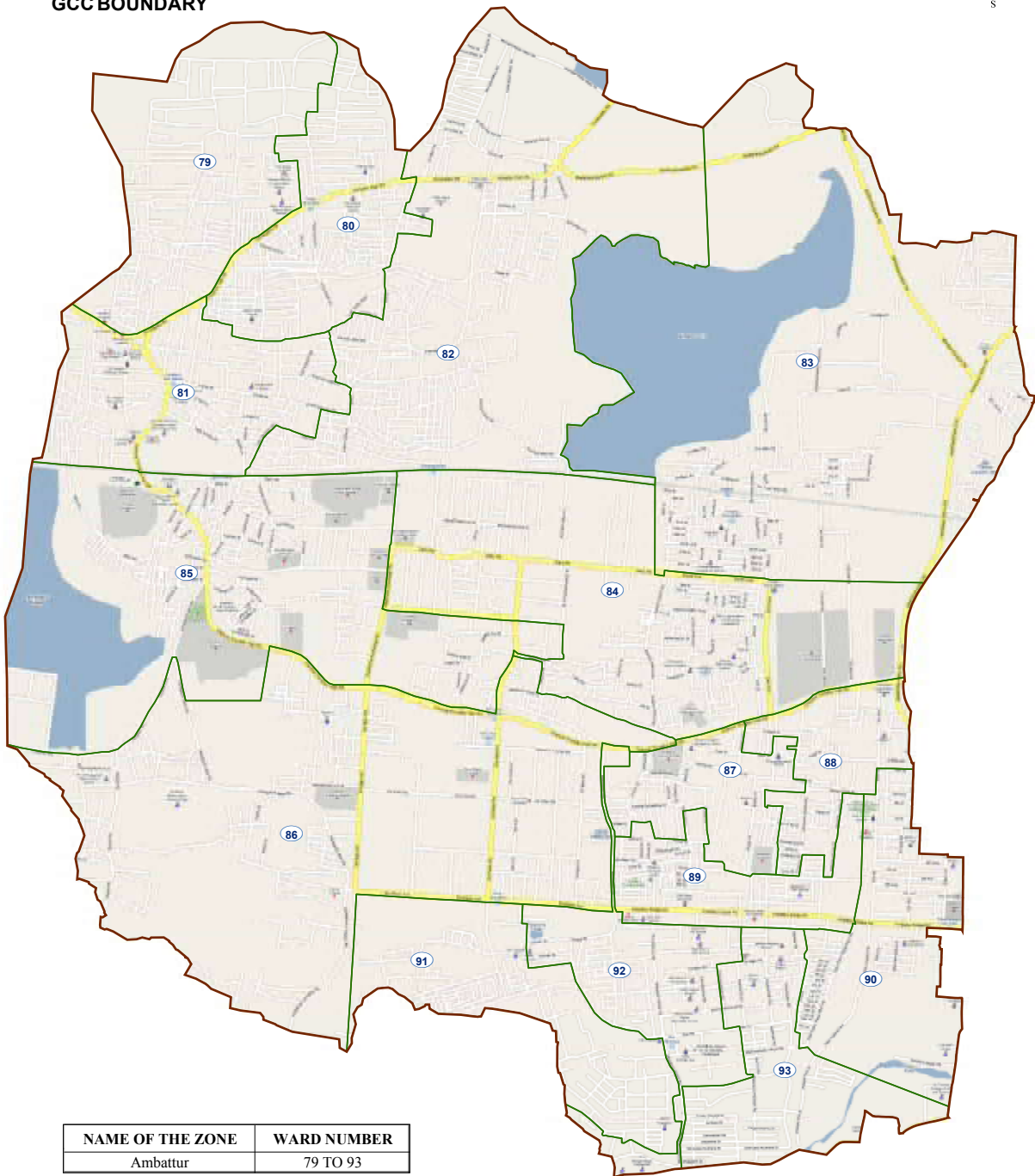
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ZONE VII - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Ambattur	79 TO 93

Profile

The Ambattur zone lies in **Latitude 13o4'36"N, Longitude 80o5'18"E** °and covering an area of **43.52 Sq.km.**

There are 3584 roads, out of which 3540 roads to a length of 495.19 Km are Interior Roads, 35 Roads to a length of 27.25 Km are Bus Route Roads which are maintained by GCC and the remaining 9 roads are under the maintenance of Highways department.

The population is about 7.26 Lakhs that has Male population of 50.33% and Female population of 49.67 % In this zone, the densest area is ward 91 with a population of 94,080 and the least is ward 89 with a population of 23,936. The Ward wise population is given below.

SI.No.	Ward No.	Total House Holds	Total Population
1	79	10230	40920
2	80	8542	34168
3	81	10642	42568
4	82	16409	65636
5	83	17652	70608
6	84	8910	35640
7	85	9574	38296
8	86	8840	35360
9	87	10082	40328
10	88	10284	41136
11	89	5984	23936
12	90	11254	43016
13	91	23520	94080
14	92	17714	70856
15	93	11844	47376
TOTAL		181481	725924

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Mrs.V.Vijayakumari Zonal Officer / Z-7	79 to 93	9445190007

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Mr.Sundarasan.K Executive Engineer-1	U-18,U-19 & U-20	9445190027
2	Mr.Sathish Kumar.M Executive Engineer-2	U-18,U-19 & U-20	9445194759
3	Mr.Thanigaivel.M.P Assistant Executive Engineer	U-18 (79,80,81,82,83)	9445190118
4	Mrs.Jayalakshmi.G Assistant Executive Engineer	U-19 (84,85,86,87,88)	9445190119
5	Mr.Manikandan.V Assistant Executive Engineer	U-20 (89,90,91,92,93)	9445190120
6	Mr.Suresh Assistant Executive Engineer, Electrical	79 to 93	9445190047
7	Mr.Gopalakrishnan Assistant Engineer, Mechanical	79 to 93	9445071023

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward. No.	Office Mobile Number
1.	Conservancy supervisor	Unit-18 (79,80,81,82,83)	9445191418
2.	Conservancy supervisor	Unit-19 (84,85,86,87,88)	9445191419
3.	Conservancy supervisor	Unit-20 (89,90,91,92,93)	9445191420

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone VII	9445190067
2	Veterinary Surgeon	Zone VII	9841117821
3	Entomologist Assistant	Zone VII	9941226410
4	Sanitary Officer	Unit-18	9445190687
5	Sanitary Officer	Unit-19	9445025885
6	Sanitary Officer	Unit-20	9445025892

Parks

There are 51 Parks available in LAKSHMIAMMAN NAGAR PARK, RAMNAGAR PARK, LENIN NAGAR PARK, GANDHI NAGAR PARK, Bharathi Nagar, Thangal Eri Park, SECRETERIAT COLONY PARK, KRISHNAPURAM, THIRUVENGADAM NAGAR PARK, Hindustan Motor Park, Sri Ranga Garden park, Sastha Nagar park, TNHB 61st St, Kandigai park , Subu lakshmi Nagar park, Thamarai Kulam park, TNHB 4th street park, K.R. Nagar Park, Kochar ,CTH Road Ambattur, Chelliamman Nagar Park, Gopal Samy nagar park, SindhuNathi Salai Park, VGN Cosmo Polis Park, Chelliamman Koil pond Park (Including Pond), Millienium Park, B Sector park, C Sector park, A.P Plot Park ,Officers colony Main road park, TVS Avenue Main road Park, TVS Colony Park, Akshaya Colony Park, Golden Colony park, Asaid colony park, Collector nagar park, Golden jubilee park, Welcome Colony Block No. 46,47, TNHB Flats Park (Thirumagalam Main road), Mogappair West Bus stand, Mogappair Eri Scheme 8th street Park, Mogappair Eri Scheme 1st st main road park, Tri Star Park, AIBEA Nagar Park, Jeswanth Nagar Phase 1, Jeswanth Nagar Phase 2, EB Park, Veeramunivar Street Park (opp to MGR Adarsh School), Venugopal Street Park(Near Varun Apartments), Venugopal (Near Sagar Apartments), Anna Park (Mangal Eri park), Veeramamunivar Park. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details

of the Park overseer and the location of parks available in the zone are given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194753 Park Overseer	Power saw – 17 Telescopic saw - 10	Ambattur

List of Parks

Sl.No	Ward No	Name / Location Of Parks
1	79	Lakshmiammann Nagar Park
2	79	RAMNAGAR PARK,
3	79	LENIN NAGAR PARK,
4	79	GANDHI NAGAR PARK
5	80	Bharathi Nagar,
6	80	Thangal Eri Park
7	81	SECRETERIAT COLONY PARK
8	81	KRISHNAPURAM PARK
9	81	THIRUVENGADAM NAGAR PARK
10	82	HINDUSTAN PARK
11	83	Sri Ranga Garden park,
12	83	Sastha Nagar park,
13	83	TNHB 61st St,
14	83	Kandigai park ,
15	83	Subu lakshmi Nagar park
16	83	Thamarai Kulam park
17	84	TNHB 4th street park,
18	84	K.R. Nagar Park
19	85	Kochar ,CTH Road Ambattur
20	85	Rail Vihar Quarters Park, TI Cycle Road
21	86	CTH road park, Opp to Kochar
22	86	Gopal Samy nagar park
23	86	SindhuNathi Salai Park
24	86	VGN Cosmo Polis Park,
25	86	Chelliamman Koil pond Park (Including Pond)
26	86	VGN Shanthi Nagar Park
27	86	Park rear side of India Land
28	86	Park near ICICI Bank
29	86	Park at Gothavari Street
30	86	Chelliamman Koil Park
31	88	CTH road park near Ankkur Appartments
32	88	Millienium Park,
33	88	B Sector park
34	88	C Sector park

35	88	A.P Plot Park
36	89	Officers colony Main road park,
37	89	TVS Avenue Main road Park
38	89	TVS Colony Park,
39	89	Akshaya Colony Park
40	89	Golden Colony park
41	90	Asaid colony park
42	90	Collector nagar park
43	90	Golden jubilee park
44	90	Welcome Colony Block No. 49A Park
45	90	TNHB Flats Park (Thirumagalam Main road)
46	90	ONGC Park,Park Road
47	90	TNHB Flats Park (Padikuppam)
48	90	Padikuppam Burial Ground Road Park
49	91	Mogappair West Bus stand
50	91	Mogappair Eri Scheme 8th street Park
51	91	Mogappair Eri Scheme 1st st main road park,
52	91	Tri Star Park,
53	91	AIBEA Nagar Park
54	91	Jeswanth Nagar Phase 1
55	91	Jeswanth Nagar Phase 2
56	92	Chruch road
57	92	EB Park,
58	92	Veeramunivar Street Park (opp to MGR Adarsh School)
59	92	Venugopal Street Park(Near Varun Appartments)
60	92	Venugopal (Near Sagar Appartments)
61	92	Anna Park (Mangal Eri park)
62	93	Veeramamunivar Park
63	93	Kalpathar Park,Rail Nagar

TREE CUTTING MACHINERIES AVAILABLE IN ZONE - 7

S. No.	Div	No. of Saw Available		No. of Pruners Available
		Petrol	Electrical	
1	79	1	-	1
2	80	1	-	-
3	81	2	-	-
4	82	1	-	-
5	83	1	-	1
6	84	1	-	1

7	85	1	-	1
8	86	2	-	1
9	87	1	-	1
10	88	1	-	1
11	89	1	-	-
12	90	1	-	-
13	91	1	-	1
14	92	1	-	1
15	93	1	-	1
Total		17	0	10

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 23 pumping stations available in Ambattur Zone with average capacity of 6MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Anna Nagar West Extension I Sewage Pumping Station	4.00	3
2	Anna Nagar West Extension II Sewage Pumping Station	5.50	4
3	Mogappair Sewage Pumping Station	13.50	2
4	Korattur Sewage Pumping Station(Old)	5.00	1
5	Korattur Sewage Pumping Station(New)	0.10	2
6	Five Star Sewage Pumping Station	0.33	1
7	Golden Jubilee Sewage Pumping Station	0.30	1
8	Elango Nagar Sewage Pumping Station	0.18	2
9	Karukku Sewage Pumping Station	0.90	2
10	Karpankulam Sewage Pumping Station	0.30	2
11	Ayyankulam Sewage Pumping Station	0.30	2
12	Nehru Nagar Sewage Pumping Station	0.05	2
13	Teachers Colony Sewage Pumping Station	0.03	1
14	Kulakarai Lift Station	0.03	1
15	SIDCO Nagar Lift Station	0.15	2

16	Sangam Street Lift Station	0.05	1
17	Lenin Nagar Lift Station	0.18	1
18	Thirumalai Priya Nagar (V.O.C. Street) Lift Station	0.09	1
19	Pillayar Koil Street Lift Station	0.05	1
20	Thendral Nagar Lift Station	0.10	1
21	Pallam Street Sewage Pumping Station	1.18	2
22	Vivekananda Nagar Pumping Station	1.10	2
23	S.R.B. Nagar Sewage Pumping Station	0.10	2

Tamil Nadu Slum Clearance Board tenements

There is 2 TNSCB tenements in Kamarajar Nagar and ICF Colony with a population of 636 and 5712. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are as given below,

Sl. No.	Ward No	Tenement location	No. of tenement	Population
1	85	Kamarajar Nagar	159	636
2	86	ICF Colony	1428	5712

Contact details

Department	Designation	Area	Contact No.
TNSCB	Executive Engineer	Area - 7	044- 28444973
Conservancy/GCC	Conservancy Supervisor	Unit-18 (79 to 83)	9445191418
Conservancy/GCC	Conservancy Supervisor	Unit-19 (84 to 88)	9445191419
Conservancy/GCC	Conservancy Supervisor	Unit-20 (89 to 93)	9445191420
Water Supply & Sewage / CMWSSB	Area Engineer	Area - 7	8144930907

Water Bodies and Waterways

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 212.246 km to ease the flow of rain water. The details of various water bodies in this zone are listed below,

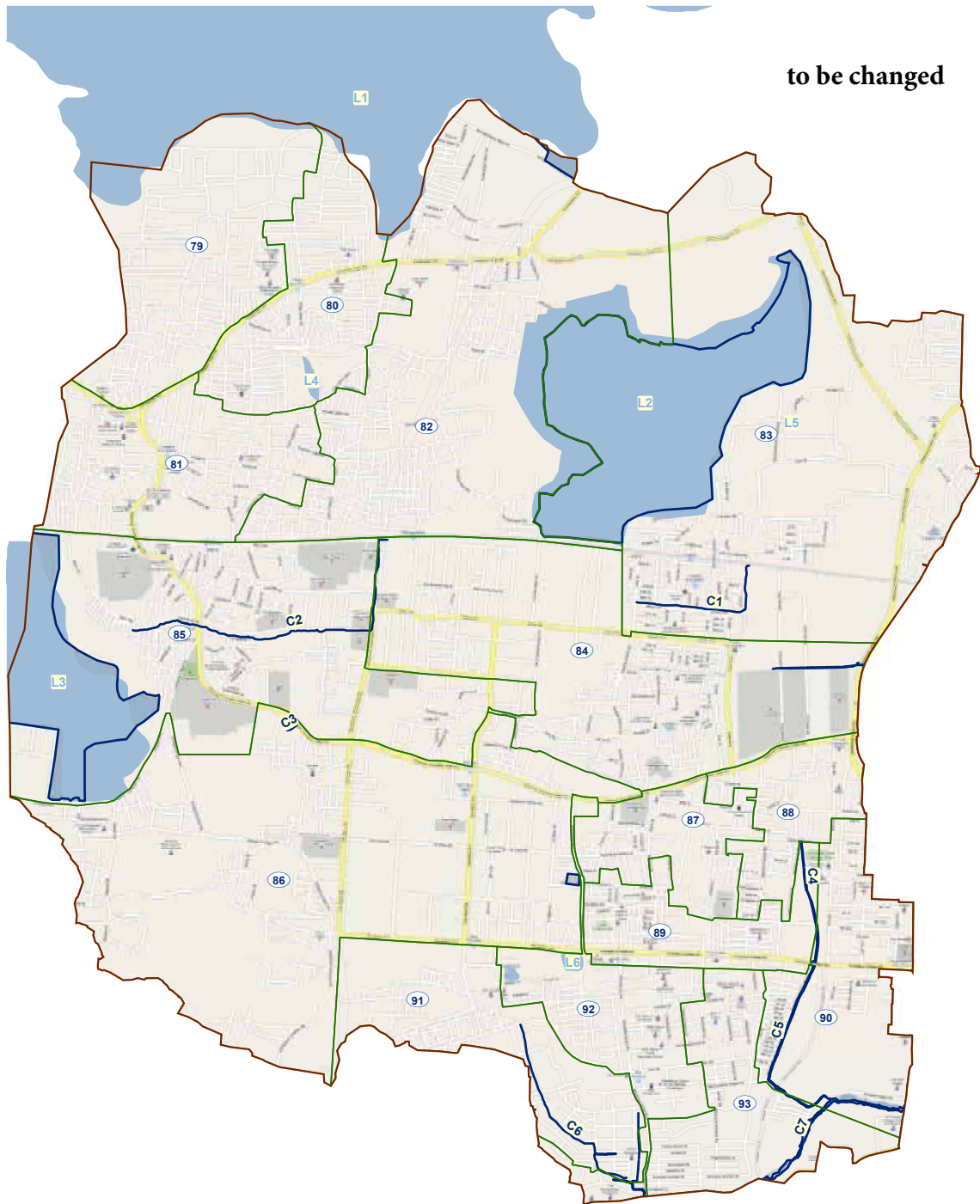
Canals

Sl. No	Div	Name Of The Canal	From	To	Length In Km	Maintained By
1	85	Ambattur Canal	Ambattur Surplus Weir	Godrej	5.5 Km	PWD
2	82, 84	Patravakkam Canal (Railway Track Both Side)	Godrej	North Avenue canal	4.4 Km	PWD
3	83	North Avenue Canal	TNHB 38 th St	TNHB 61 st Street (Park Back side)	1.1 Km	GCC
4	83	TVS Lucas Canal	TNHB 61 st Street.(Park Back side)	Wheels India	1.7 Km	GCC
5	86	SIDCO Canal	SIDCO Industrial Estate	Eri Scheme	0.3 Km	SIDCO
6	88, 89, 90, 93	Padikuppam Canal	Kalaivanar Nagar	Padikuppam	2.5 Km	GCC
7	91	Nolambur Canal	Nolambur Bridge	13 th cross Eri scheme	0.3 Km	GCC
8	91	Mogappair Eri Scheme Canal	Mogappair Eri Scheme	Coovum River	7 Km	GCC
Total					22.8 km	

Other water bodies

Sl No	Ward	Name of other water bodies	Area	Maintained By
1	79 & 80	Puzhal lake	4500Acres	PWD
2	82 & 83	Korattur Lake	600 Acres	PWD
3	85	Ambattur Lake	400 Acres	PWD

ZONE VII - WATER BODIES



to be changed

OTHER WATER BODIES

Other water bodies in the Zone			
ID	Ward No	Name of other water bodies	Length / Area
L1	79 & 80	Puzhal lake	4500Acres
L2	82 & 83	Korattur Lake	400 Acres
L3	85	Ambattur Lake	250 Acres
L4	80	Thangal Eri Pond	11000.00m ²

CANAL

CANALS					
ID	Wards	Canal	FROM	TO	Length in Km
C1	83	Korattur Canal	TNHB 38th st	TNHB 61st St	1.2
C2	85	Ambattur Canal	MKB Nagar	Patravakkam canal	1.1
C3	86	Canal near V.A.O office	Ambattur lake Dunlop	Patravakkam canal	0.5
C4	88	Kalavananagar Canal	Kalavananagar	Gaevan Bheema flats	0.3
C5	88&89	Padikuppam Canal	Ambattur industrial	Padikuppam road	1.2
C6	91	Mogappair Canal	TNHB 3rd block Canal	Gangal Amman Nagar	0.9
C7	93	Coovam Canal	Coovam New Bridge	Rail Nagar	10.5

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

846 Nos of storm water drains & side drain to a length of 212.246 Km were constructed to ease the flow of rain water in Ambattur zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs
1	79	14	3.610
2	80	42	8.500
3	81	59	12.340
4	82	42	12.330
5	83	38	7.020
6	84	89	22.464
7	85	116	35.870
8	86	136	36.600
9	87	63	8.250
10	88	80	11.920
11	89	64	12.140
12	90	21	10.340
13	91	26	9.800
14	92	24	10.194
15	93	32	10.868
Total	846	212.246	112753

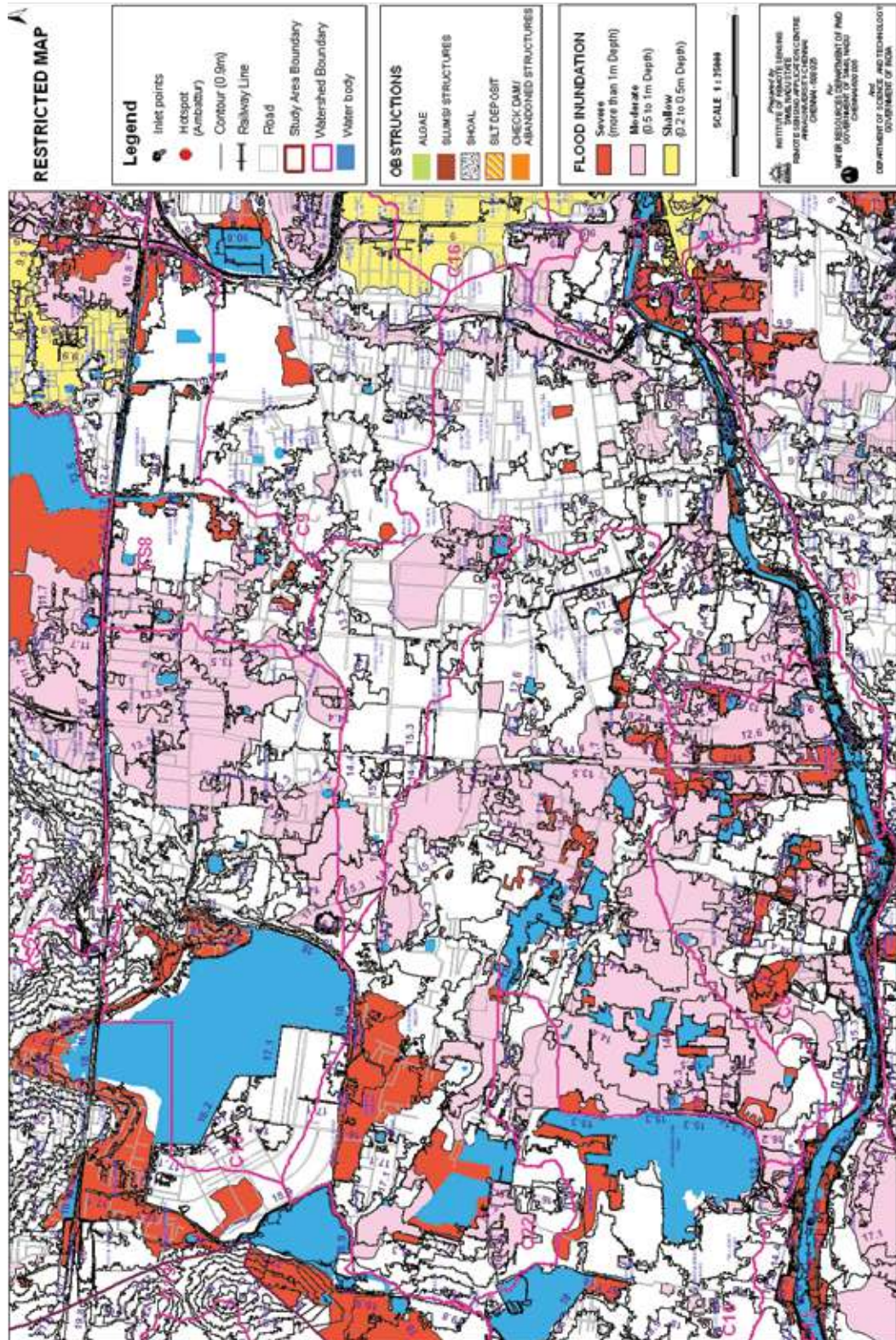
Water stagnated streets in the previous monsoon - heavy rain fall

During the last monsoon 15 inundated spots in this zone were identified and actions were taken to bail out the rain water. Most of the locations were flooded during the North-East Monsoon 2018 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone. The identified water stagnations and the actions taken to dispose the rain water in each location are as below.

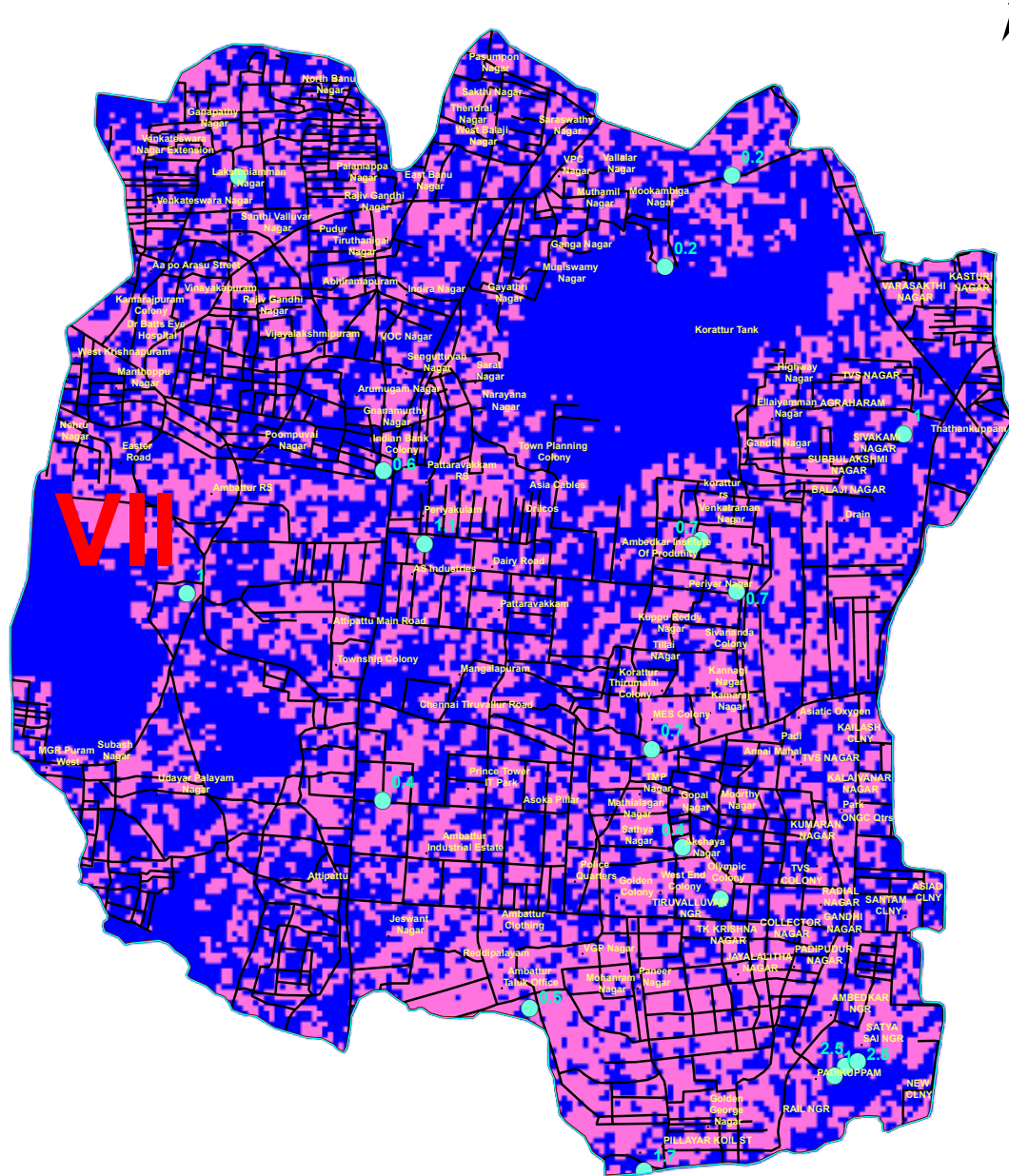
S. No	Ward	Streets where inundation seen	capacity of pumps	Location of pumps	Disposal point
1	82	Mariamman Koil Street	5Hp	Mariamman Koil Street	Karukku main road
2	82	Devasri Street	5Hp	Devasri Street	Karukku main road
3	82	Sasthri Street	5Hp	Sasthri Street	Service road
4	82	Vital Street	5Hp	Vital Street	Service road
5	83	Sastha Nagar	20Hp	Service Road	Highways SWD
6	83	Vanasakthi Nagar	40Hp	Vanasakthi Nagar	Highways SWD
7	83	Iyyappan Nagar	5Hp	Iyyappan Nagar	Sucker Lorry

Kannadasan nagar which was flooded during 2005 flood was mapped by IRS, Anna University by crowd source method, the picture of the same is given below for planning mitigation work. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded within 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

FLOOD INUNDATION MAP FOR KANNADASANNAGAR IN 2005



INUNDATION EXTENT ON 3 DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

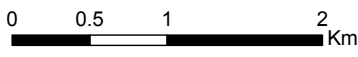


VII

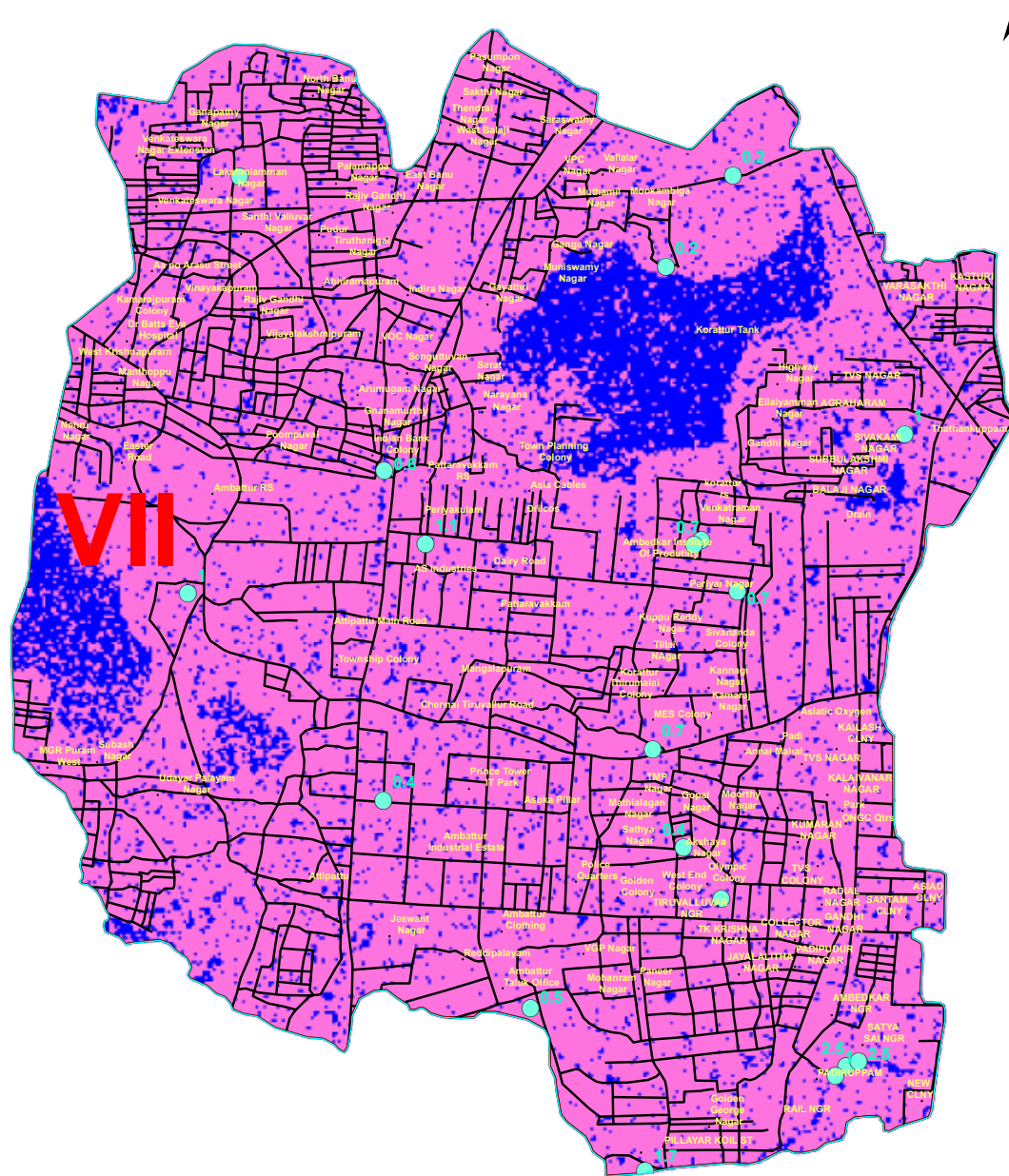
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:27,000



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



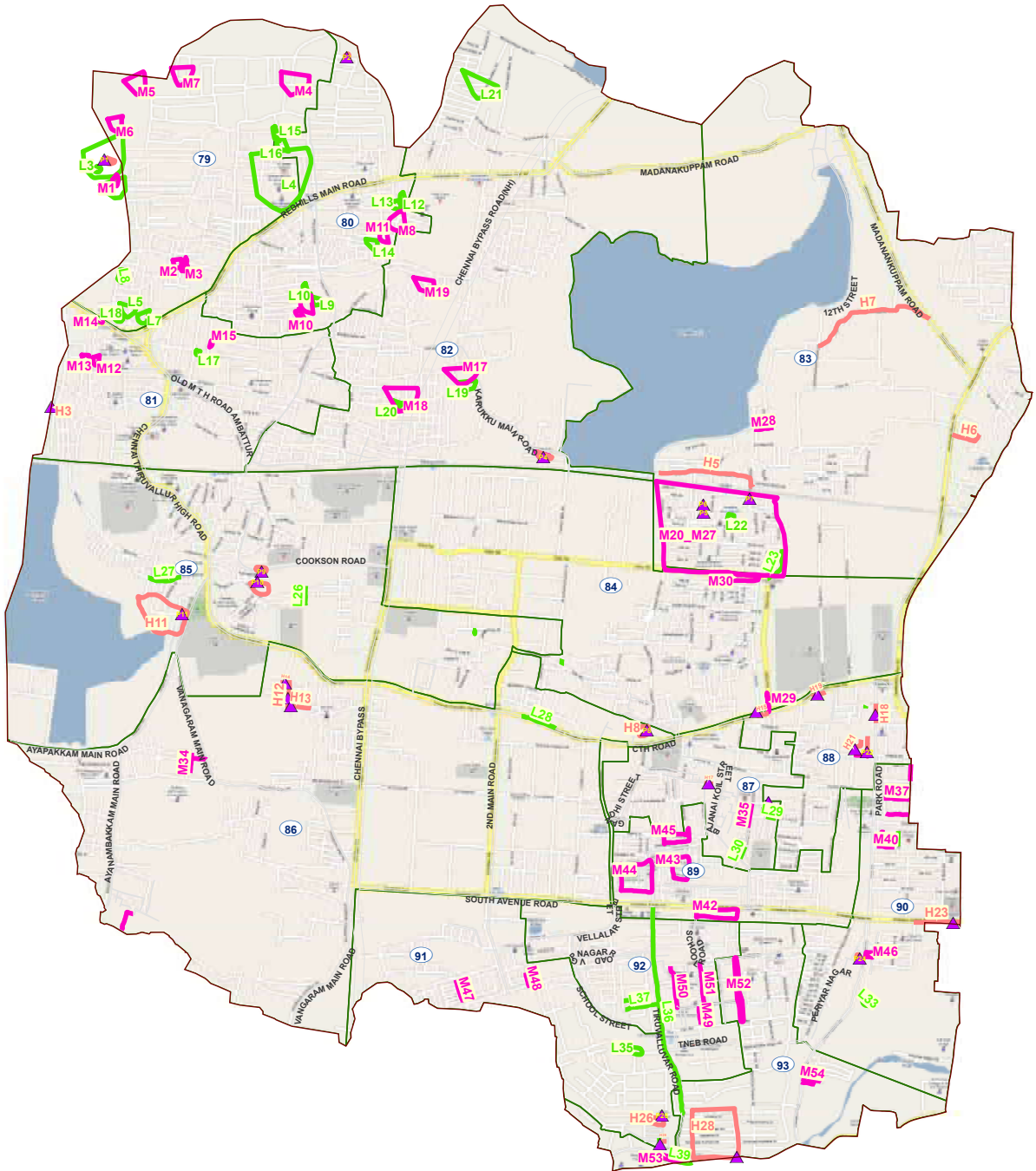
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:27,000



ZONE VII - ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



- Streets where water stagnated in the previous monsoon - Heavy
- Streets where water stagnated in the previous monsoon - Moderate
- Streets where water stagnated in the previous monsoon - Light
- Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - mild rainfall

S. No	Ward	Name of the street
1	82	Munusamy Koil street
2	82	VOC street
3	82	DTP Colony
4	82	Ganamoorthy Nagar
5	85	CTH road near TI Cycles

Water stagnated streets in the previous monsoon - moderate rainfall

S. No	Ward	Name of the street
1	79	Name of the Street
2	79	Redhills Main road
3	79	Rajendra Prasad, Venkateswara Nagar
4	83	MGR Street
5	85	Devi Nagar
6	85	Patravakkam road
7	85	Dass Industrial Estate
8	86	TNHB Phase III
9	87	Cth road near Shell petrol Bunk
10	89	Round Building

Stagnation of water in streets due to sewer blocks

Sl.No	Ward	Name of the Streets	No. of manholes
1	82	DTP Colony	10
2	84	Central Avenue	3
3	91	Mogappair west TNHB 1st,2nd,3rd,6th & 7th Blocks in div 91	10
4	92	10th , 11th, 12th Block	10
5	93	Nakeeran salai, Industrial estate, Pugazhendhi salai, Vandiamman Kovil street, Periyar street	15

Relief Centres

There are 15 relief centres to a total capacity of 7750 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

S.No.	Ward No	Capacity	Name &Address of relief centre available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
1	79	1000	Chennai Middle School, Gandhi Main Road	G.K. Street	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190379
								Sanitation	Sanitary Inspector	9445025879
								Food & Drinking Water	Assistant Revenue Officer	9952936676
2	80	500	Chennai Middle School, Chitoragadam	Bathava chalam Street	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190380
								Sanitation	Sanitary Inspector	9445025880
								Food & Drinking Water	Assistant Revenue Officer	9952936676
3	81	250	Chennai Middle School, Saraswathi Nagar	Pan-duranga Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190381
								Sanitation	Sanitary Inspector	9445025881
								Food & Drinking Water	Assistant Revenue Officer	9952936676
4	82	200	Redhills Main Road, Prabavathi mahal Kallikuppam	D.T.P. Colony	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190382
								Sanitation	Sanitary Inspector	9445025881
								Food & Drinking Water	Assistant Revenue Officer	9952936676
5	83	100	CPS & CHS School, NRS road, Agraharam, korattur	NRS cross street	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190383
								Sanitation	Sanitary Inspector	9445025883
								Food & Drinking Water	Assistant Revenue Officer	9952936676

S.No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
6	84	100	Chennai Primary and High School, Chavadi st, korattur	Korattur	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190384
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9445190087
7	85	200	Chennai Primary School, Ramapuram	MKB Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190385
								Sanitation	Sanitary Inspector	9445025886
								Food & Drinking Water	Assistant Revenue Officer	9445190087
8	86	500	Chennai Primary School, Vanagaram Main Road	Annai Sathya Nagar, Ram Poor-nam Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190386
								Sanitation	Sanitary Inspector	9445025886
								Food & Drinking Water	Assistant Revenue Officer	9444576365
9	87	600	Chennai Middle school, Dr.Moorthi Nagar,	Moorthy Nagar,	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190387
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9444576365

S.No.	Ward No	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
10	88	100	Chennai Primary School, Kalaivanar Nagar	Kalaivanar Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190388
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9444576365
11	89	850	Meenakshi School, TVS Colony	Round Building	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190389
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9444576365
12	93	850	Chennai High School, Padikuppam Main Road, Anna Nagar West Extn. Ch -101.	Pillaiyar Koil street padikuppam	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190393
								Sanitation	Sanitary Inspector	9445910929
								Food & Drinking Water	Assistant Revenue Officer	9444576365
13	91	200	Velammal mat.Hr.Sec. School	Dr.Ambedkar Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190391
								Sanitation	Sanitary Inspector	9445025893
								Food & Drinking Water	Assistant Revenue Officer	9444576365

S.No.	Ward No	Capacity	Name &Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
14	92	300	Chennai primary school, venugopal st, mogappair	10th block, 11th block, 12th block	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190392
								Sanitation	Sanitary Inspector	9445025892
								Food & Drinking Water	Assistant Revenue Officer	9444576365
15	93	2000	Bethani primary school	Anna Street	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190393
								Sanitation	Sanitary Inspector	9445025893
								Food & Drinking Water	Assistant Revenue Officer	9444576365

ZONE VII - EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

ID	Ward	Streets
R1	79	G.K.STREET
R2	80	BATHAVACHALAM STREET
R3	82	D.T.P. COLONY
R4	83	NRS CROSS STREET
R5	84	KORATTUR
R6	85	MKB NAGAR
R7	86	ANNAI SATHYA NAGAR
R7A	86	RAM POORNAM NAGAR
R8	87	MOORTHY NAGAR
R9	88	MUNNESWARAN STREET&
R10	89	MAGILCHI COLONY
R10A	89	WEST END COLONY
R10B	89	GOLDEN COLONY
R11	90	PADIKUPPAM
R12	91	PEOPLES
R13	92	10TH BLOCK, 11TH BLOCK, 12TH BLOCK
R14	93	GANGAI AMMAN NAGAR

▲ RELIEF SHELTER

ID	Ward Name	Relief center
R1	79	Chennai Middle School , Gandhi Main Road
R2	80	Chennai Middle School , Chitoragadam
R3	82	Redhills Main Road, Prubavathi mahal Kallikuppam
R4	83	CPS & CHS School,NRS road, Agraharam, korattur
R5	84	CPS & CHS School,Chavadi st, korattur
R6	85	Chennai Primary School, Ramapuram
R7	86	Chennai Primary School, Vanagaram Main Road
R8	87	Chennai Middle school, Dr.Moorthi Nagar
R9	87	Bhuvaneshwari matric School,Raj Street
R10	89	Meenakshi School,TVS Colony
R11	90	Padikuppam School, Padikuppam Main Road, Anna Nagar West Extn. Ch -101.
R12	91	Velammala mat.Hr.Sec.School
R13	92	Chennai primary school, venugopal st, mogappair
R14A	93	Chennai middle school,Padikuppam,
R14B	93	Bethani Primary School,Anna street
R15	81	Chennai Middle School,Saraswathi Nagar.

Subways

There is no subway as of now available in Ambattur zone.

Tree fall

During the last monsoon, in Ambattur zone totally 50 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl. No.	Ward. No	Name of the Streets
1	84	Central Avenue, TNHB 2nd Street, TNHB 4th Street
2	88	Park road, B Sector, C sector, D Sector
3	89	TVS Colony 50th Street
4	91	VGN Padma Street, VGN Avenue
5	92	Mohanram Nagar
6	93	Pachiappar Salai

Streets - where water entered houses - do not require evacuation

During the last monsoon, 9 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2018 the under mentioned 9 locations were inundated from these areas were cleared by using 15 pumps ranging from 2 HP to 60 HP capacity. The identified vulnerable spots are as below,

Sl. No.	Ward	Name of the area/street
1	82	DTP Colony, Ganamoorthy Nagar, Munusamy Koil st, VOC street, Thirunavukarasu Street
2	83	Vanasakthi Nagar

Sl. No.	Ward	Name of the area/street
3	84	East Avenue Road, Central Avenue road
4	85	Kamarajapuram, Ramapuram, MKB Nagar
5	86	Annai Sathya Nagar, Ram Poornam Nagr
6	88	Park road opposite to Newry tower
7	91	2nd Block & 3rd Clock
8	92	Venugopal Street,Kannadasan Salai
9	93	Vandiamman koil street,Nehru street,Padikuppam ,Nakeeran salai

Streets that require evacuation

During the heavy flood occurred last year during 2018, in Ambattur zone there were no one

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one number of Diesel Genset with movable mobile high mast, 5 nos of 2 KVA & 2 Nos of 3 KVA portable Generator available in the zone for emergency purpose .The details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	79 to 93	Assistant Executive Engineer	9445190047
2	79,82	Assistant Engineer	9445477677

3	83,84,85	Assistant Engineer	9445190934
4	81,86,87,88	Assistant Engineer	9445191473
5	89,90,92,93	Assistant Engineer	9445477678
6	80,91	Junior Engineer	9445036570

National Disaster Response Force

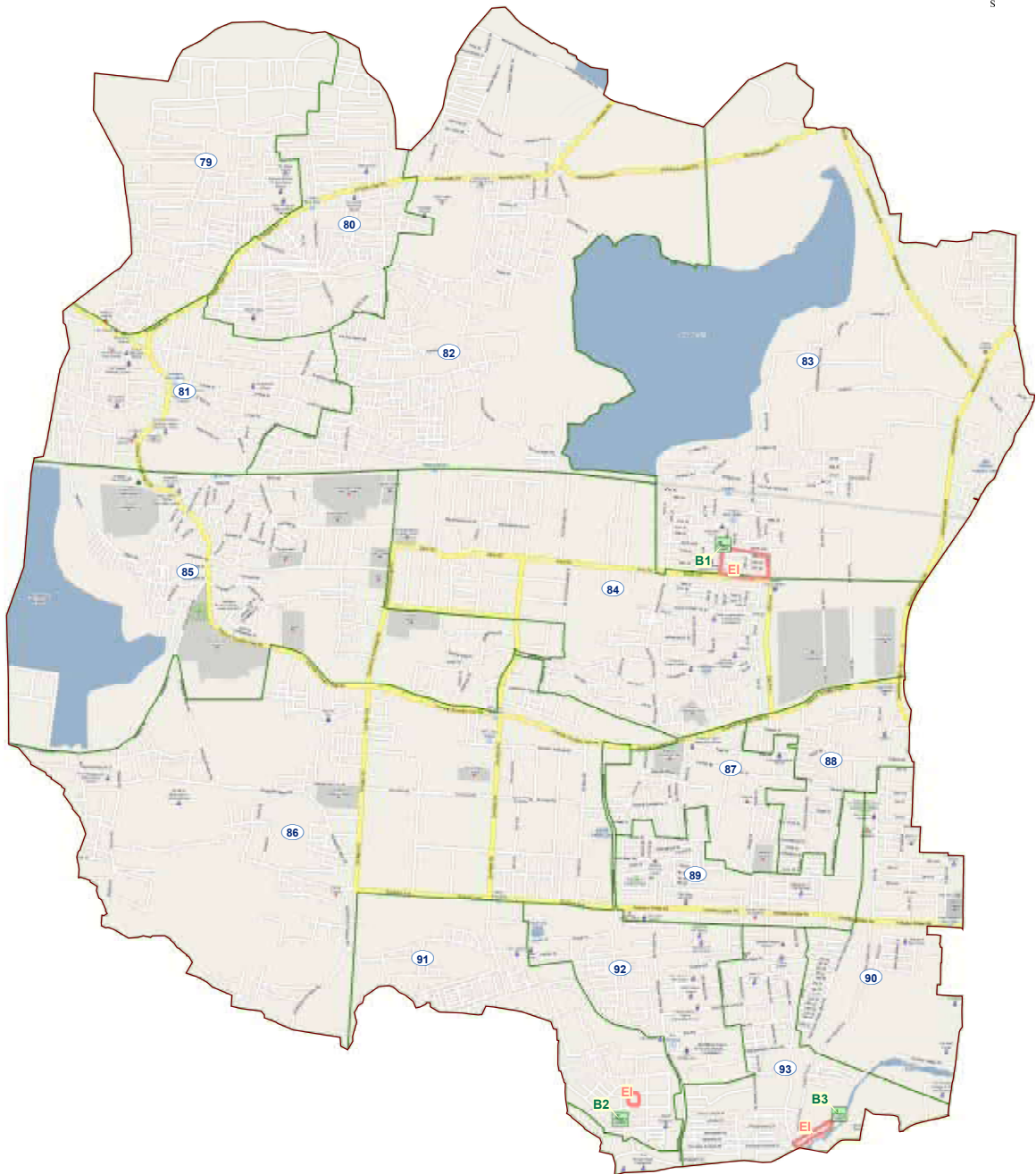
In Ambattur zone, there are no NDRF stationed locations

S.No	Ward. No.	Where NDRF to be stationed and deployed	Boats stationed Location	Contact person & Number
1	79 to 93	Nil	Zonal Office	Boat -8056250348

NDRF

The Commandant
 04, Battalion(NDRF)
 Suraksha Campus
 Takkolam, Arakkonam
 Vellore District – 631 152
 Phone No. 04177 – 246594/246269

ZONE VII - EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

BOAT LOCATION

ID	Ward	Number of boats required with location /evacuation areas / location
E1	83	TNHB
E2	91	MOGAPAIR ERI SCHEME
E3	93	INO, RAIL NAGAR

ID	WARD	BOATS STATIONED LOCATION
B1	83	NORTH AVENUE
B2	91	MOGAPAIR ERI SCHEME 6TH MAIN ROAD
B3	93	RAIL NAGAR

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed are given below.

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris, the following vehicles were deployed.

No. of lorries and type kept in readiness
Big Compactor - 6
Small Compactor - 10
Auto – 2
Debris lorry - 6
Skid steer loaders (Bob cat) - 4
(Front end loader) JCB - 1
Water Lorry - 1
Tricycle - 488

Lorry Station - Assistant Engineer - 9445071023

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl. No	Ward/ Name	Name of the Streets
1	80	Prakasam Garu street
2	85	Teachers colony 1st and 2nd cross street, Anna 1st and 2nd cross street, , kamarajapuram sivan koil street, vanji 1st and 2nd cross street
3	86	Annai sathya Nagar, Kamarajar Nagar (Mannurpet)
4	91	Mogappair west TNHB 1st,2nd,3rd,6th & 7th Blocks

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee - 79

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190379
GCC - Electrical	Assistant Engineer	9445477677
GCC- Health	Sanitary Inspector	9445025880
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190579
GCC - Revenue	Tax Collector	9941281407
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930697
TANGEDCO	Assistant Engineer	9445850340
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 80**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190380
GCC - Electrical	Junior Engineer	9445036570
GCC- Health	Sanitary Inspector	9445025880
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190580
GCC - Revenue	Tax Collector	9941281407
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930080
TANGEDCO	Assistant Engineer	9445850338
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 81**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190381
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445025881
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190581
GCC - Revenue	Tax Collector	9710062949
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930081
TANGEDCO	Assistant Engineer	9445850339
BSNL	Assistant Engineer	9445147333
Fire service	Inspector	044-26418468
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 82**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190382
GCC - Electrical	Assistant Engineer	9445477677
GCC- Health	Sanitary Inspector	9445025881
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190582
GCC - Revenue	Tax Collector	9600147606
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930082
TANGEDCO	Assistant Engineer	9445448947
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 83**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190383
GCC - Electrical	Assistant Engineer	9445190934
GCC- Health	Sanitary Inspector	9445025883
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190583
GCC - Revenue	Tax Collector	9940613366
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930083
TANGEDCO	Assistant Engineer	9445850326
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26251601
Police station	Inspector	044-23452799
PWD	Assistant Engineer	8072425970
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 84**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190384
GCC - Electrical	Assistant Engineer	9445190934
GCC- Health	Sanitary Inspector	9445025887
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190584
GCC - Revenue	Tax Collector	9003272933
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930084
TANGEDCO	Assistant Engineer	9445850339
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26251601
Police station	Inspector	044-23452799
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 85**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190385
GCC - Electrical	Assistant Engineer	9445190934
GCC- Health	Sanitary Inspector	9445025886
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190585
GCC - Revenue	Tax Collector	9884891156
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930085
TANGEDCO	Assistant Engineer	9445850331
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26251601
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 86**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190386
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445025886
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190586
GCC - Revenue	Tax Collector	9940070125
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930086
TANGEDCO	Assistant Engineer	9445448948
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-27950080
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 87**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190387
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445025887
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190587
GCC - Revenue	Tax Collector	7601090907
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930087
TANGEDCO	Assistant Engineer	9445850327
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-23452799
Police station	Inspector	044-26563629
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 88**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190388
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445910929
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190588
GCC - Revenue	Tax Collector	9884267278
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930088
TANGEDCO	Assistant Engineer	9445250330
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629
Police station	Inspector	044-23452753
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 89**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190389
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025887
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190589
GCC - Revenue	Tax Collector	7358643468
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930089
TANGEDCO	Assistant Engineer	9445448325
BSNL	Assistant Engineer	9445015399
Police station	Inspector	044-23452753
Fire service	Inspector	044-26563629
Police station	Inspector	044-23452749
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 90**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190390
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445910929
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190590
GCC - Revenue	Tax Collector	9444249854
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930090
TANGEDCO	Assistant Engineer	9445448323
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629
Police station	Inspector	044-23452753
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 91**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190391
GCC - Electrical	Assistant Engineer	9445036570
GCC- Health	Sanitary Inspector	9445025891
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190591
GCC - Revenue	Tax Collector	7397323500
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930091
TANGEDCO	Assistant Engineer	9445448335
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629
Police station	Inspector	044-23452748
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 92**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190392
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025892
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190592
GCC - Revenue	Tax Collector	9043853058
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930092
TANGEDCO	Assistant Engineer	9445448322
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629
Police station	Inspector	044-23452748
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 93**Ward Councillor -**

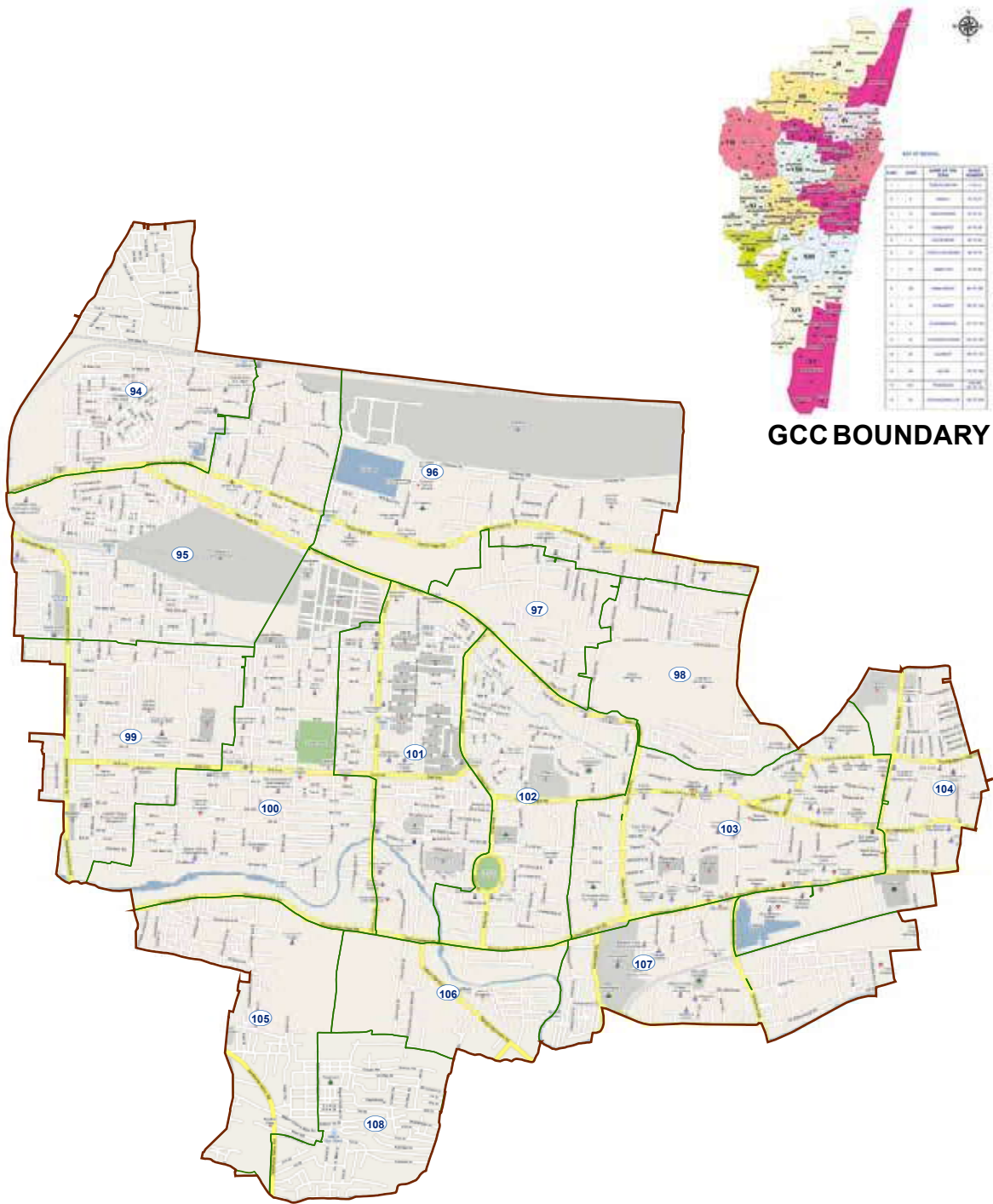
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190393
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025893
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190593
GCC - Revenue	Tax Collector	944806952
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930093
TANGEDCO	Assistant Engineer	9445448324
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629
Police station	Inspector	044-23452748
PWD	Assistant Engineer	9710610897
TNSCB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

ZONE - VIII

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ZONE VIII - WARD BOUNDARY



GCC BOUNDARY

NAME OF THE ZONE	WARD NUMBER
Anna Nagar	94 TO 108

Profile

The Anna Nagar zone lies in Latitude 13.0791°, Longitude 80.2279° and covering an area of 25.00 Sq.km.

There are 2395 roads, out of which 2344 roads to a length of 356.69 Km are Interior Roads, 51 Roads to a length of 38.79 Km are Bus Route Roads which are maintained by GCC and the remaining 2 roads are under the maintenance of Highways department.

The population is about 8.00 lakhs having Male population of 49.96% and Female population of 50.04 % in this zone. The most densed area in the zone is ward 94 with a population of 92,565 and the least is ward 100 with a population of 20885. The Ward wise population is given below,

SI.No.	Ward No.	Total House Holds	Total Population
1	94	12304	49217
2	95	23141	92565
3	96	10163	40653
4	97	14903	59612
5	98	9207	36829
6	99	10870	43478
7	100	5221	20885
8	101	10754	43014
9	102	19588	78351
10	103	12040	48158
11	104	13712	54848
12	105	14137	56546
13	106	15343	61373
14	107	11182	44727
15	108	17550	70200
TOTAL		200114	800456

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate officers. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

SI. No.	Designation	Ward No.	Contact Number
1	Chairman	94 to 108	
2	Zonal Officer	94 to 108	9445190008

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	94 to 100	9445467320
2	Executive Engineer-2	101 to 108	9445190028
3	Assistant Executive Engineer	Unit -21	9445190688
4	Assistant Executive Engineer	Unit -22	9445190122
5	Assistant Executive Engineer	Unit -23	9445190123
6	Additional Divisional Engineer, Electrical	94 to 108	9445190048
7	Assistant Executive Engineer, Mechanical	94 to 108	9445190489

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservancy supervisor	Unit -21	9445191421
2.	Conservancy supervisor	Unit -22	9445190606
3.	Conservancy supervisor	Unit -23	9445191423

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit No.	Office Mobile Number
1	Zonal Health Officer	Zone VIII	9445190068
2	Veterinary Surgeon	Zone VIII	9445194743
3	Junior Entomologist	Zone VIII	9884796674
4	Sanitary Officer	Unit 21	9445190688
5	Sanitary Officer	Unit 22	9962526363
6	Sanitary Officer	Unit 23	9445190708

Parks

In this zone there are 38 Parks available in various locations such as Villivakkam, Ayanavaram, Anna nagar, Aminjikarai, Purasaivakkam & Kilpauk etc. . These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445467388	Tree Pruner - 2 Petrol Saw- 36	Anna Nagar, Shenoy Nagar, Villivakkam, Ayanavaram, Kilpauk, Purasaiwalkam, Chetpet, Aminjikarai, Metha Nagar, Arumbakkam, MMDA Colony and Thirumangalam.

S.No	Ward No	Ward Name	Name / Location of the Park
1	95	Villivakkam	I-Block 2nd Street, 38th Street, W-Block 'C' Sector 2nd Street, Thiru Nagar 13th Block 11th Street
2	96	Ayanavaram	United India Nagar (Jeeva Park), Konnur HIGH road
3	97	Ayanavaram	Vellala Street, Pachaikal Veeraswamy Street

S.No	Ward No	Ward Name	Name / Location of the Park
4	99	Anna Nagar	15th Main Road (B.P.C), 15th Main Road (R.B.I), Ranganathan Garden
5	100	Anna Nagar	AL-Block 14th Main Road, Dr.Visweswaraya Tower Park at 3rd Main Road, AD-Block Park 3rd Street, 7th Main Road near Amma Unavagam, Tas Chellaiya Road
6	101	Anna Nagar	Boganvilla Park, C-Block, 2 nd Main Road
7	102	Amnjikarai	G-Block Park, Scatting Park
8	103	Kilpauk	Bashyam Park, Junction of Taylors road & Halls Road, Kences Park at EVR Lane, Air India Park at Harleys Lane, Prof.Subramaniam Park, Prof. Subramaniam Street
9	104	Purasaiwalkam	Bank Manickam Park, Bricklin Road, True Value Homes, Bricklin Road, Hehru Park
10	106	Amnjikarai	Metal Factory Road, Nelson Manickam Road (115), Nelson Manickam Road (Krishna building 116), Nelson Manickam Road Near Sky Walk Building, Naveen Osr MgmHealth Care
11	107	Chetpet	Mayor Sathyamurthy Salai, Mayor Ramanathan Salai (Near T.B Hospital), Mayor Ramanathan Salai Eastern Side
12	108	MMDA Colony	MMDA Colony R Block

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 16 pumping stations available in Anna nagar zone. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Ward No	Pumping Station	Capacity MLD	No. of pumps
1	94	Sidco Nagar 2 nd Main Road	3.2	90 HP
2	94	North Jaganatha Nagar	1.8	60 HP
3	95	Chennai Battai Road	4.0	20 HP
4	95	Agathiar Nagar	2.0	20 HP

Sl. No.	Ward No	Pumping Station	Capacity MLD	No. of pumps
5	96	Gandhi Nagar	0.36	5 HP - 2
6	96	Konnur High Road	5.50	70 HP – 2
7	99	6 th Avenue	4.9	20 HP
8	100	AK Block 10 th Main Road	16.00	215 HP- 3
9	102	Cemetery Road	2.0	10 HP
10	101	A Block	5.0	50 HP
11	104	Osanakulam	4.9	20 HP
12	104	Nehru Park	2.3	5 HP
13	104	Sastri Nagar	5.2	20 HP
14	105	Gnana Vinayagar Koil Street	2.0	20 HP
15	107	Pumping Station Road	0.70	60 HP – 1 30 HP – 2
16	108	Water Tank Road	2.5	50 HP – 1 90 HP – 1

Tamil Nadu Slum Clearance Board tenements

There are 15 TNSCB tenements in Gandhi nagar, Pachaikal Veerasamy Street with a population of 26,984. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No.	Tenement location	No. of tenement	Population
1	96	Gandhi Nagar	2500	8000
2	97	Pachaikal Veeraswamy Street	900	3600
3	97	Periyar Salai	192	768
4	99	N.V.N Nagar	1024	5000

Sl. No.	Ward No.	Tenement location	No. of tenement	Population
5	101	7th main Road (Brevary Road Tenements)	192	768
6	101	New Avadi Road (Dr. Ambedkar Nagar)	512	2048
7	101	Brewary Road	144	576
8	101	II nd Main Road (Annai Sathya Nagar)	288	1152
9	102	Cemetry Road	24	96
10	103	T.P.Chatiram	208	832
11	104	Nehru Park	288	1152
12	104	Osankulam	288	1152
13	107	Vembuliyamman Koil Tenements	144	720
14	107	Apparao Garden	36	160
15	107	MS Nagar Tenements	192	960
		TOTAL	6932	26984

Contact details

Name of the Organisation	Designation	Area	Contact No.
Conservancy/GCC	Conservancy Supervisor	U- 21	9445191421
Conservancy/GCC	Conservancy Supervisor	U-22	9445190606
Conservancy/GCC	Conservancy Supervisor	U-23	9445191423
Water Supply & Sewage / CMWSSB	Assistant Engineer	Area Engineer	8144930908
TNSCB	Executive Engineer	Zone VIII	9445074764

Water Bodies and Waterways

There are 2 Canals (1) **Otteri Nullah** maintained by PWD which originates from Villivakkam travels about 8.50 km within the zone upto Semmanpettai and disposes into Coovum river. (2) **Virugambakkam canal** maintained by PWD which touches the zone at Annai Sathya Nagar and travels about 8.10 km within the zone upto Aminjkarai and disposes into **Coovum River** through Nelson Manikkam road.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-

silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 151.17 km to ease the flow of rain water.

The details of various water bodies in this zone is listed below,

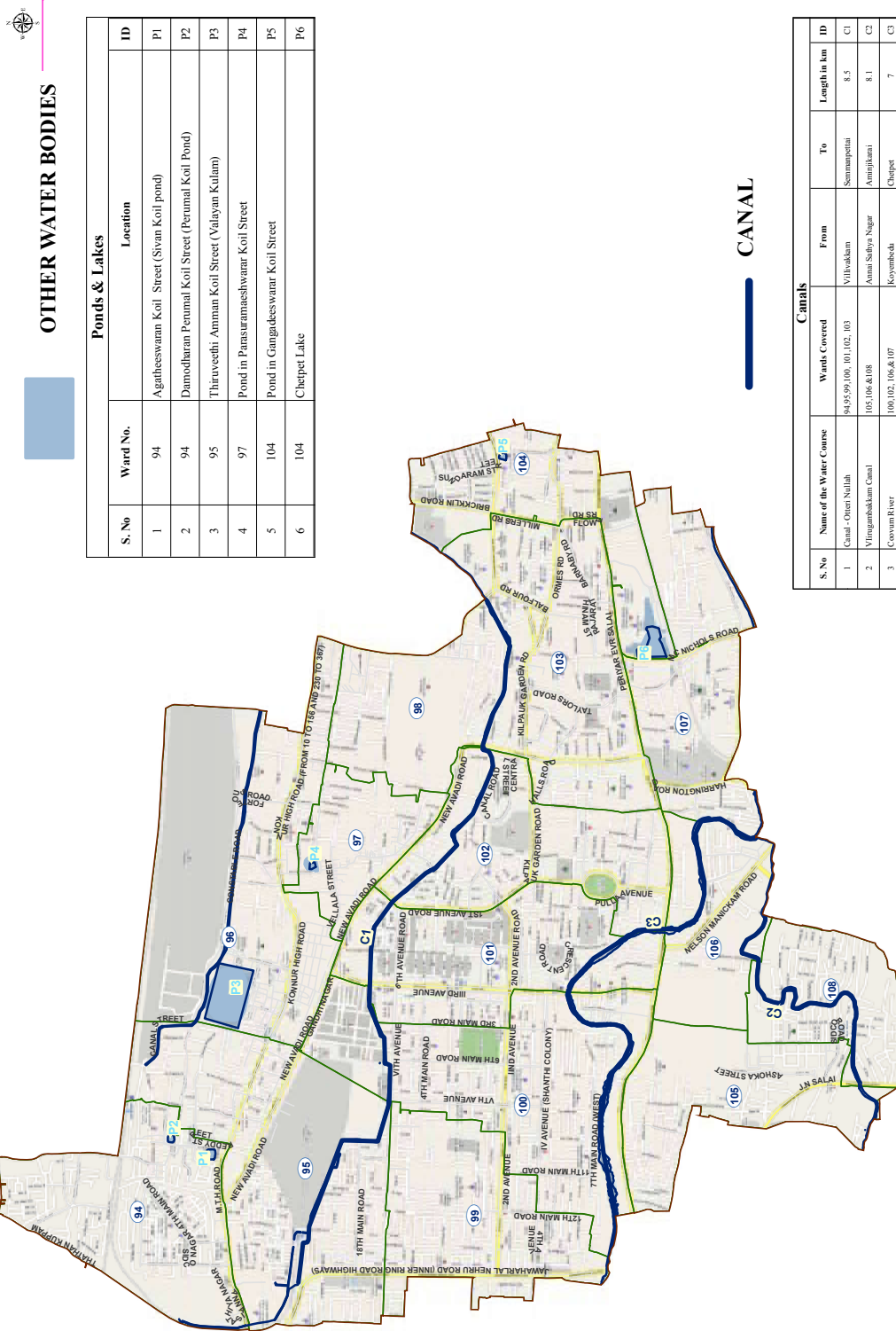
Canals & Rivers

Sl. No	Name of the Water Course	Wards Covered	From	To	Length in km
1	Canal - Otteri Nullah	94,95,99,100, 101,102, 103	Villivakkam	Semmanpettai	8.50
2	Vlirugambakkam Canal	105,106 &108	Annai Sathya Nagar	Aminjikai	8.10
3	Coovum River	100,102, 106,&107	Koyembedu	Chetpet	7.00

Other water bodies

S. No	Ward No.	Ward Name	Location	Area in M ²
1	94	Villivakkam	Agatheeswaran Koil Street (Sivan Koil pond)	800
2	94	Villivakkam	Damodharan Perumal Koil Street (Perumal Koil Pond)	750
3	95	Villivakkam	Thiruveethi Amman Koil Street (Valayan Kulam)	625
4	96	Ayanavaram	Kasi Viswanathasamy Koil Pond, Ayanavaram	2500
5	97	Ayanavaram	Pond in Parasuramaeshwarar Koil Street	450
6	100	Anna Nagar	Anna Nagar Tower Park Pond, 6th Main Road	5000
7	100	Anna Nagar	Anna Nagar Tower Park Pond, 6th Main Road	1160
8	100	Anna Nagar	Vaishnava College Pond, PH Road	2047
9	104	Purasaiwalakam	Pond in Gangadeeswarar Koil Street	900
10	107	Purasaiwalakam	Chetpet Lake	15 Acre

ZONE VIII - WATER BODIES



Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

587 storm water drains to a length of 163.25 km were constructed to ease the flow of rain water in Anna nagar zone. The details of SWD are given below.

Sl. No.	Ward No./ Name	No. of Drains	Length in km
1	94	46	14.33
2	95	80	16.87
3	96	21	8.04
4	97	23	4.34
5	98	20	5.67
6	99	35	7.90
7	100	51	28.47
8	101	65	17.75
9	102	33	10.44
10	103	40	11.60
11	104	19	6.09
12	105	36	8.49
13	106	38	4.91
14	107	39	9.20
15	108	41	9.15
TOTAL		587	163.25

Water stagnated streets in the previous monsoon - heavy rain

During the last monsoon, 29 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	95	Thanthoniamman Koil Street	7.5 HP	Thanthoniamman Koil Street	SWD
2	95	Welcome Colony	7.5 HP	Welcome Colony	SWD
3	95	Vijayalakshmipuram 1 to 3 Streets & Thanthoniamman Extn., lane	7.5 HP	Vijayalakshmipuram 1 to 3 Streets & Thanthoniamman Extn., lane	SWD
4	95	Bajanai Koil Street	7.5 HP	Bajanai Koil Street	SWD
5	96	Konnur High Road		Konnur High Road	SWD
6	96	Kakkanji Nagar & Gandhi Nagar	10 HP	Kakkanji Nagar & Gandhi Nagar	SWD
7	97	Veerasamy Main Street	7.5 HP	Veerasamy Main Street	SWD
8	97	P.E.Koil West Mada Street	3 HP	P.E.Koil West Mada Street	SWD
9	100	AD Block		AD Block	SWD
10	101	C Block	7.5 HP	C Block	SWD
11	101	W Block		W Block	SWD
12	101	Bharathipuram Main Street	7.5 HP - 2	Bharathipuram Main Street	SWD
13	101	Bharathipuram 4th Street	7.5 HP - 2	Bharathipuram 4th Street	SWD
14	101	F Block 2nd & 4th Street	7.5 HP - 2	F Block 2nd & 4th Street	SWD
15	101	Muthumariamman Colony	7.5 HP - 2	Muthumariamman Colony	SWD
16	103	Millers Road	10 HP, 17.5 HP	Millers Road	SWD
17	103	Purasaiwalkam High Road (near Law College)	7.5 HP, 7.5 HP - 3	Purasaiwalkam High Road (near Law College)	SWD
18	103	Rajarathinam Street	7.5 HP	Rajarathinam Street	SWD
19	103	Kellys Road	7.5 HP - 2, 5 HP	Kellys Road	SWD
20	104	Sundaram Lane	7.5 HP	Sundaram Lane	SWD

S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
21	104	Osona Kulam Tenements	40 HP	Osona Kulam Tenements	SWD
22	104	New Bhoopathy Nagar	7.5 HP	New Bhoopathy Nagar 7 th street	SWD
23	104	Sastri Nagar	7.5 HP	Sastri Nagar	SWD
24	104	Lawders Gate Main Road	5 HP	Lawders Gate Main Road	SWD
25	104	Shanmugarayan Street	5 HP	Shanmugarayan Street	SWD
26	105	Water Tank Road	10 HP - 2	Water Tank Road	SWD
27	107	MC Nichols 3rd Lane	5 HP	MC Nichols 3rd Lane	SWD
28	108	Iyyappa Nagar	5 HP	Iyyappa Nagar	SWD
29	108	Periyar Pathai	3 HP	Periyar Pathai	SWD



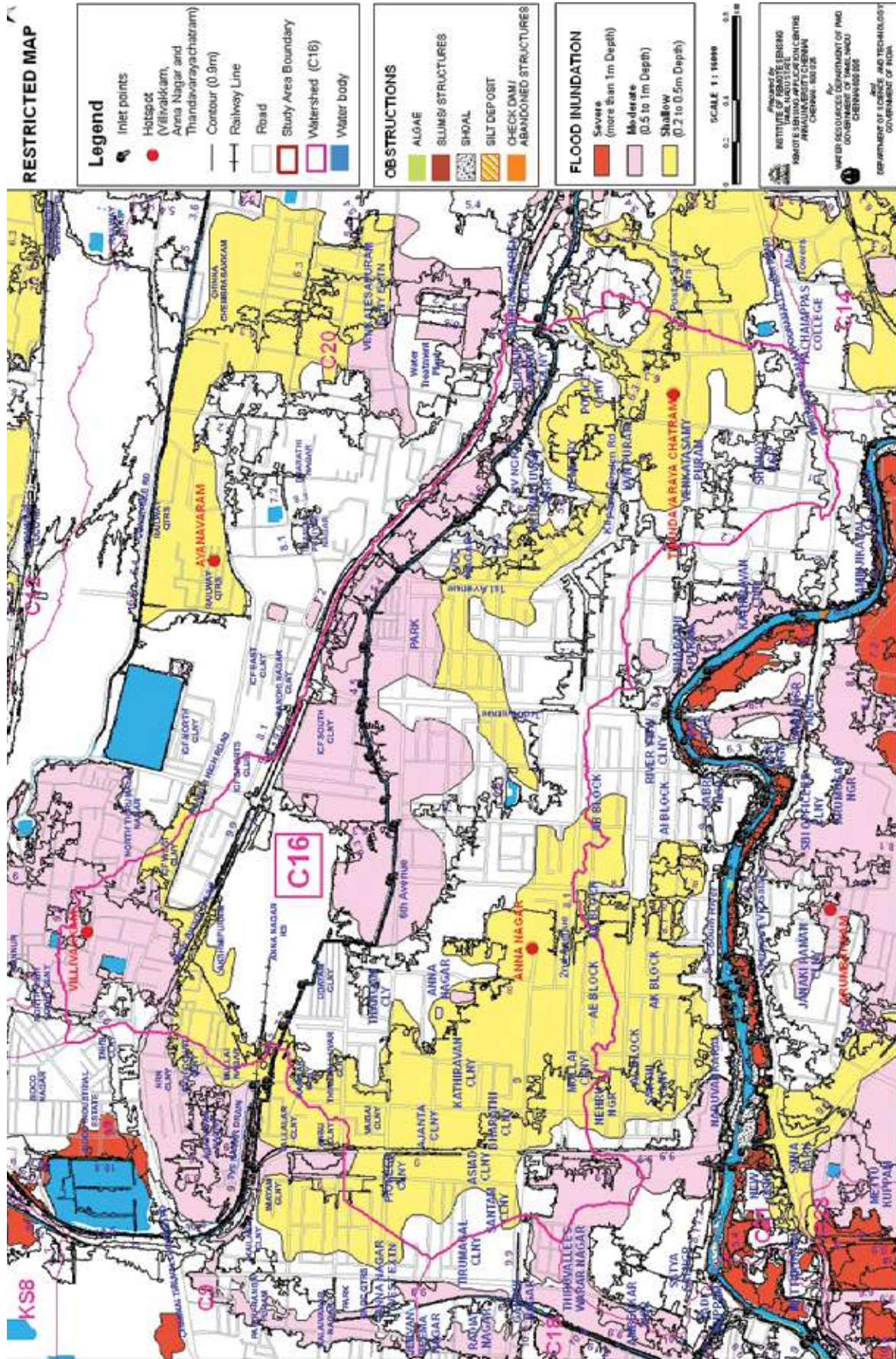
Ward 103, Purasaivakkam High Road



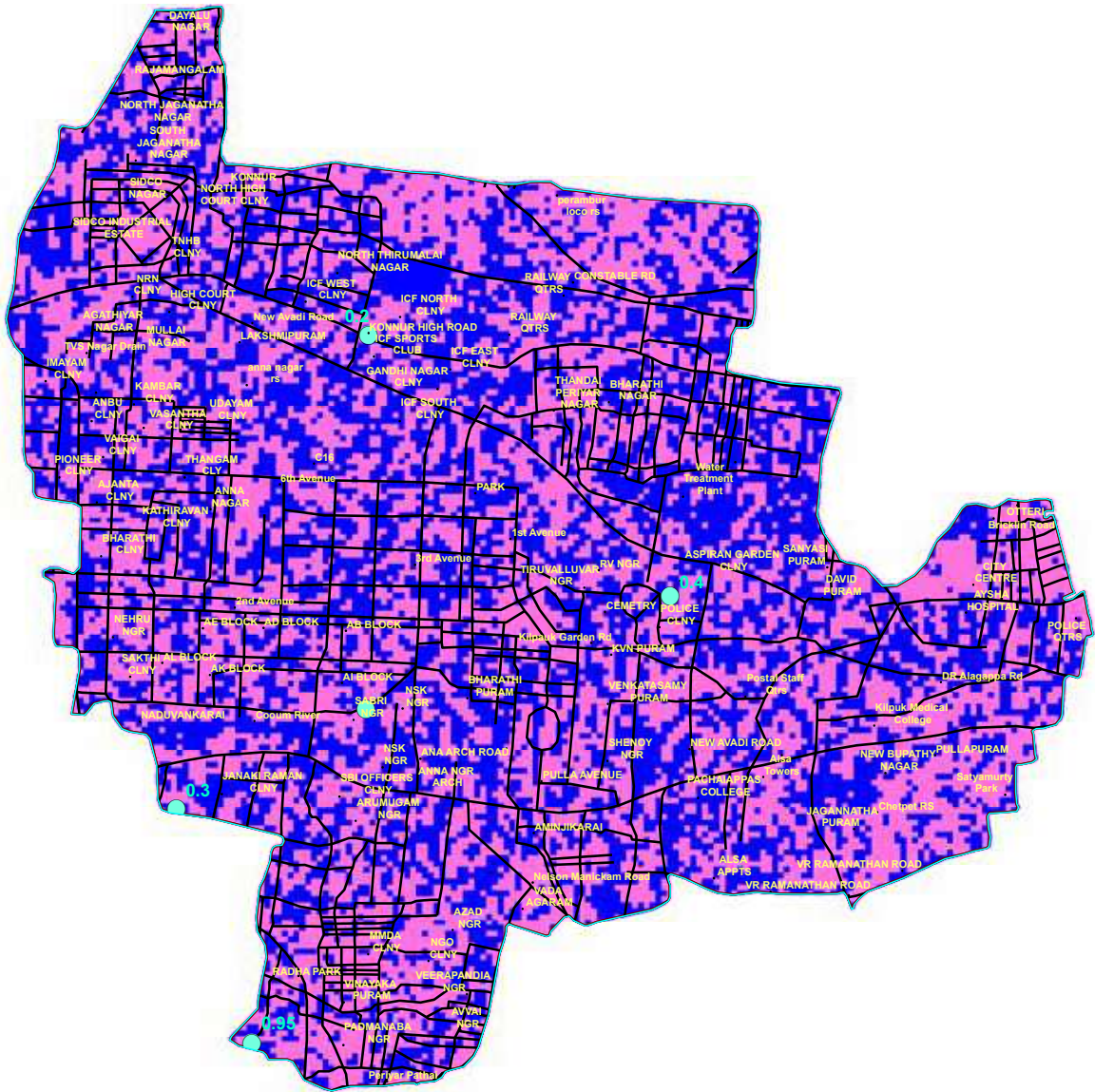
Ward 103, Millers Road

Anna university has mapped the areas inundated in this zone during 2005 flood by crowd source method, the picture of the same is given below. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded within 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

FLOOD INUNDATION MAP FOR ANNA NAGAR IN 2005



INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



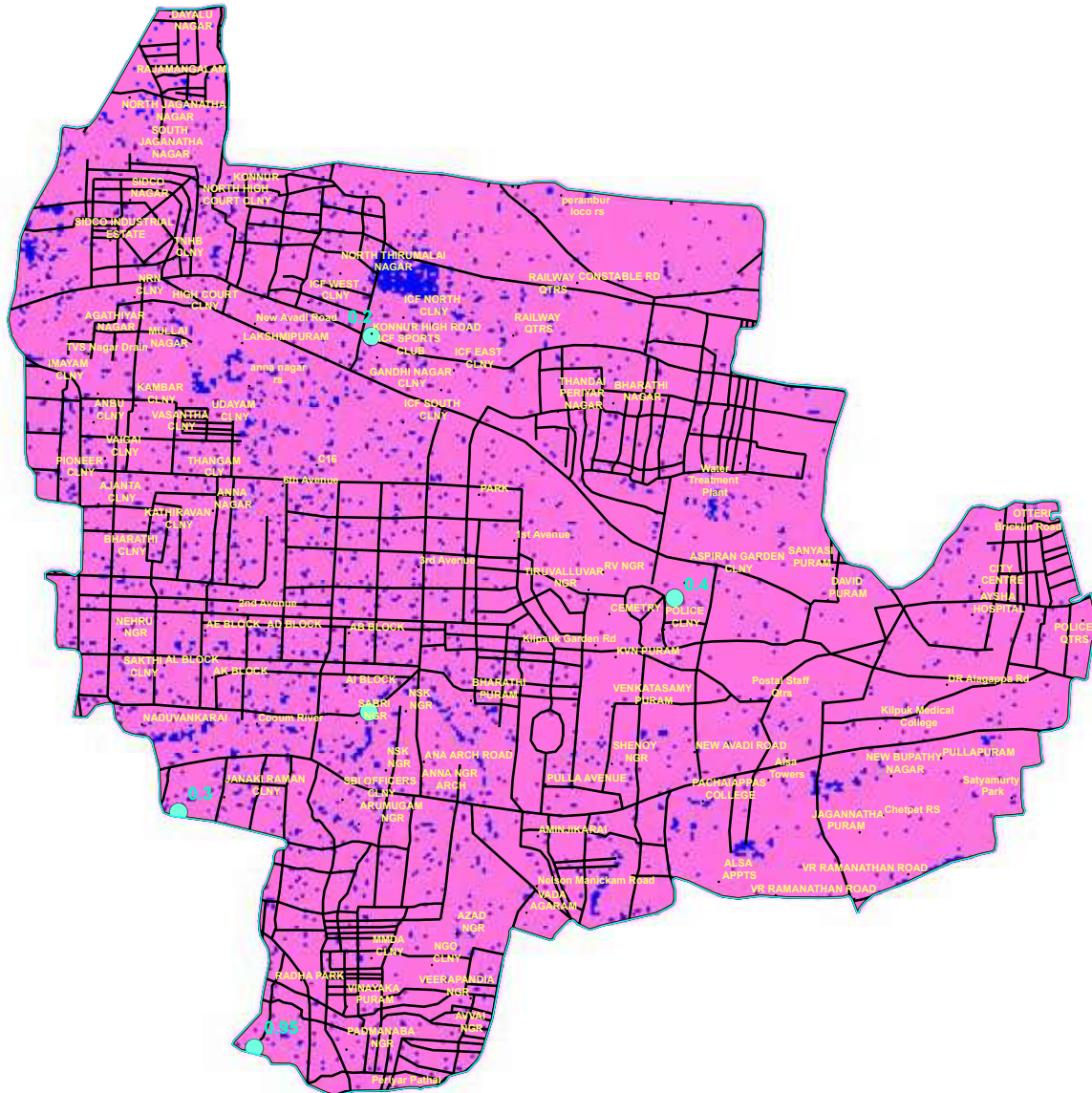
SCALE 1:26,000



LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



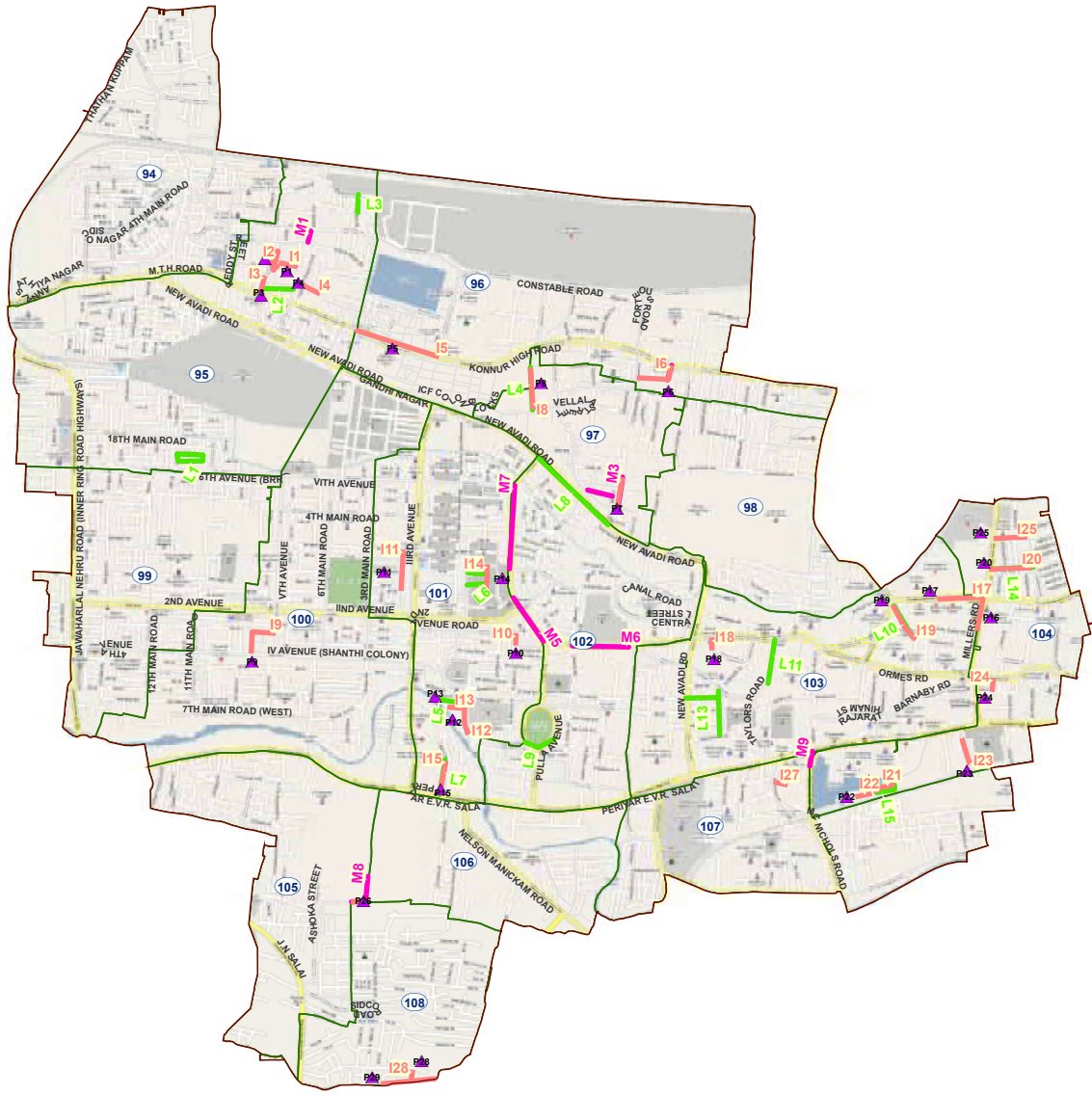
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:26,000



ZONE VIII ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



- ▲ Location of Diesel Pump Location
- Streets where water stagnated in the previous monsoon - Heavy
- Streets where water stagnated in the previous monsoon - Moderate
- Streets where water stagnated in the previous monsoon - Light

Water stagnated streets in the previous monsoon - Mild rain

S.No.	Ward	Name of the Street
1	95	Ishwarya Kudiruppu
2	95	Seeyalam Street
3	97	P.E Koil West Mada street
4	101	Bharathipuram 4th Street
5	101	F Block 2nd & 4th Street
6	101	Muthumariamman Colony
7	102	New Avadi Road
8	102	Pulla Avenue (from PH road to 1 st cross street)
9	103	Kellys road
10	103	Taylor's Road
11	103	Umayal Street
12	103	Temple Street
13	104	Sundaram Lane
14	104	Ozone Kulam Tenements

Water stagnated streets in the previous monsoon - Moderate rain

S.No.	Ward	Name of the Street
1	95	Narayana Maistry 2 nd street
2	96	Kakkanji Nagar & Gandhi Nagar
3	97	Veerasamy main street
4	97	Solai 3 rd street
5	102	1st Main Road East
6	102	Kilpauk Garden Road

S.No.	Ward	Name of the Street
7	102	1st Avenue
8	105	Water Tank Road

Stagnation of water in streets due to sewer blocks

Sl. No.	Ward No./Name	Name of the Streets	No. of Manholes
1	96/Ayanavaram	Gandhi Nagar	8
2	97/Ayanavaram	Vellala Street	2
3	98/Ayanavaram	Old Burial Ground Road	2
4	102/Aminjikai	Pullapuram	5
5	103/Kilpauk	Purasaiwalkam High Road	2
6	103/Kilpauk	Barnaby Road	1
7	103/Kilpauk	Flowers Road	2
8	104/Purasaiwalkam	Sundaram Lane	3
9	104/Purasaiwalkam	Sastri Nagar	5
		Total	437

Relief Centres

There are 11 relief centres to a total capacity of 8435 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	94	850	Singaram Pillai school, CMS, West Mada Street, Villivakkam	Annai Sathya Nagar, Amman Kuttai and BharathiNagar	Yes	Yes	No	Sanitation, Medicine	SI	9940571756
								Evacuation	AE	9445190394
								Food & Drinking water	ARO	9444339144
								Relief Materials	AE	9445190394
2	95	500	Kangadurga School	Vijayalakshmipuram, Welcome Colony, Bajanai koil street, Thanthoniamman koil street	Yes	Yes	No	Sanitation, Medicine	SI	9940571756
								Evacuation	AE	9445190395
								Food & Drinking water	ARO	9445392957
								Relief Materials	AE	9445190395
3	96	650	CHS, Vellala Street	Kakkanji Nagar, Gandhi Nagar	Yes	Yes	No	Sanitation, Medicine	SI	9791023580
								Evacuation	AE	9445190396
								Food & Drinking water	ARO	9444339144
								Relief Materials	AE	9445190396
4	98	1000	Lockma Nagar Church, Anganwadi, Samidossapuram	Lockma Nagar, Samidossapuram	Yes	Yes	No	Sanitation, Medicine	SI	8072337672
								Evacuation	AE	9445190398
								Food & Drinking water	ARO	9444339144
								Relief Materials	AE	9445190398
5	99	300	Sathyasai nagar Church	Sathyasai nagar	Yes	Yes	No	Sanitation, Medicine	SI	9791023580
								Evacuation	AE	9445190399
								Food & Drinking water	ARO	9444339144
								Relief Materials	AE	9445190399

Sl. No.	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
6	100	750	Kamalammal Thirumana Mandapam, MGR Colony Anganwadi, Old Age Home	Dr. Radhakrishnan Nagar, MGR Colony, Melnaduvankarai,	Yes	Yes	No	Sanitation, Medicine	SI	8072464098
								Evacuation	AE	9445190400
								Food & Drinking water	ARO	9444339144
								Relief Materials	AE	9445190400
7	101	585	Thiru Vi Ka Higher Sec. School, Periakoodal Corporation School	Bharathipuram, Muthumariamman koil street	Yes	Yes	No	Sanitation, Medicine	SI	9445025896
								Evacuation	AE	9445190401
								Food & Drinking water	ARO	9840667956
								Relief Materials	AE	9445190401
8	102	800	Girls Hr Sec School, Pulla Avenue, Manjakollai Kathiravan Colony, Gujji Corporation Middle School	Manjakollai Kathiravan Colony, Gajalakshmi Colony	Yes	Yes	No	Sanitation, Medicine	SI	8072970991
								Evacuation	AE	9445190402
								Food & Drinking water	ARO	9840667956
								Relief Materials	AE	9445190402
9	105	1000	C Block, MMDA Middle School	Ashoka Street	Yes	Yes	No	Sanitation, Medicine	SI	9600482735
								Evacuation	AE	9445190405
								Food & Drinking water	ARO	9840667956
								Relief Materials	AE	9445190405
10	106	1000	Metha Nagar Hr Sec School, Corporation Middle School, Aminjikarai, Amman Koil Mandapam	Kakkan nagar, MH Colony	Yes	Yes	No	Sanitation, Medicine	SI	9543173714
								Evacuation	AE	9445190406
								Food & Drinking water	ARO	9840667956
								Relief Materials	AE	9445190406
11	107	1000	CMS, Mc Nichols Road, CHHS Subbarayan Street		Yes	Yes	No	Sanitation, Medicine	SI	8072464098
								Evacuation	AE	9445190407
								Food & Drinking water	ARO	9840667956
								Relief Materials	AE	9445190407

ZONE VIII EVACUATION & RELIEF SHELTERS



RELIEF SHELTER

Relief Centers		
ID	Ward	Name & Address of relief centres available
R1	94	Sigaram Pillai School
R1A	94	CMS West Mada Street
R2	95	Kangadurga School
R3	96	CHS Vellala Street
R4	98	Lockma Nagar Church
R4A	98	Anganwadi Samidossapuram
R5	99	Sathyasai nagar Church
R6	100	Kamalamma Thirumana Mandapam
R6A	100	MGR Colony Anganwadi
R6B	100	Old Age Home
R7	101	Thiru Vi Ka Higher Sec School
R7A	101	Periakoodal Corporation School
R8	102	Girls Hr Sec School
R8A	102	Pulla Avenue
R8B	102	Manjakollai Kathiravan Colony
R8C	102	Guji Corporation Middle School
R9	105	C Block MMDA Middle School
R10	106	Metha Nagar Hr Sec School
R10A	106	Corporation Middle School Aminjikarai
R10B	106	Amman Koil Mandapam
R11	107	CMS Mc Nichols Road
R11A	107	CHHS Subbarayan Street

STREET/AREA - People to be shifted

PEOPLE TO BE SHIFTED		
ID	Ward	Name
E1	94	Annai Sathya Nagar
E1A	94	Amman Kuttai
E1B	94	Bharathi Nagar
E2	95	Vijayalakshampuram
E2A	95	Welcome Colony
E2B	95	Bajanai koil street
E2C	95	Thanthoniamman koil street
E3	96	Kakkanji Nagar
E3A	96	Gandhi Nagar
E4	98	Lockma Nagar
E4A	98	Samidossapuram
E5	99	Sathyasai nagar
E6	100	Dr Radhakrishnan Nagar
E6A	100	MGR Colony
E6B	100	Melnaduankara
E7	101	Bharathipuram
E7A	101	Muthumariamman Colony
E8	102	Manjakollai Kathiravan Colony
E8A	102	Gajalakshmi Colony
E9	105	Ashoka Street
E10	106	Kakkan nagar
E10A	106	Nalla Muthumariamman Nagar
E10B	106	Lime Klin Street
E10C	106	MH Colony
E11	107	Apparao Garden Avvaipuram
E11A	107	Jothiammal nagar

Subways

There are 2 subways in this zone namely Villivakkam and Harrington subway. The electrical pumps and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Name	Length of the subway in "m"	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 94, Villivakkam Subway	650	SWD	2 – 12 HP, 4 – 10 HP
2	Ward 107, Harrington Subway	300	Coovum River	2– 10.5 HP(Diesel), 4 – 7.5 HP (Submergible) 2 – 10.5 HP (Electrical Monoblock) 1 – 5 HP



Ward 107, Harrington Road Subway



Ward 94, Villivakkam Subway

Tree fall

During the last monsoon, in Anna nagar zone totally 138 trees/ tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl. No.	Ward No./Name	Name of the Streets
1	94/Villivakkam	North Red Hills Road, Baba Nagar, M.T.H. Road., Annai Sathya Nagar, North Sivan Koil Street, Baba Nagar 1st Main Road, North Jaganatha Nagar 2nd Street, North Jaganatha Nagar 8th Street, Valliammal Nagar, Bharathi Nagar
2	95/Villivakkam	20 th Main Road, Agathiar Nagar 6 th Street, Agathiar Nagar 3rd Street, Kumarasamy Nagar, I Block 36 th Street, Thiruveethiamman Koil Street, Sannathi Street, New Avadi Road, I Block 7 th Street, 21 st Main Road, 18 th Main Road, Mullai Nagar 3 rd Street, Rajiv Gandhi Nagar 2nd Street, Thanthoni Amman Koil Street, Narayana Maistry 2nd Street, Bajanai Koil Street, Vasantham Colony 1st Street, MTH Road
3	96/Ayanavaram	United India Nagar 1st Cross Street, V.P.Colony 1st Cross Street, Konnur High Road near Railway quarters, Gandhi Nagar, NMK Street
4	97/Ayanavaram	Thanthai Periyar Nagar, P.E.Koil Street, Palayam pilai Nagar, Vellala Street, Kamaraj Street, Chakravarthy Nagar
5	98/Ayanavaram	Police Manickam Street, VP Colony Extn., Aspiran Garden 1st Street
6	99/Anna Nagar	J Block 8th Street, J Block 4th Street, Z Block 13th Street, U Block 10th Street, NVN Nagar, TV Nagar, H Block 4th Street, Mangalam Colony, PWD Quarters, H Block 5th Street, School Road

Sl. No.	Ward No./Name	Name of the Streets
7	100/Anna Nagar	5th Avenue, S Block 21st Street, S Block 2nd Street, 5th Main Road, 2nd Avenue
8	101/Anna Nagar	6th Avenue, 2nd Main Road, Brewery Road, 3rd Avenue, R Block, T Block 1st Street, T Block 8th Street, F Block 20th Street, Q Block
9	102/Aminjikarai	Mandapam Road, Pulla Avenue, 1st Avenue, 1st Main Road, Kilpauk Garden Road, Jothiammal Nagar, TP Chatram Main Road, R.V.Nagar Main Road, RV Nagar 3rd Street, RV Nagar 4th Street, RV Nagar 5th Street, VOC Colony
10	103/Kilpauk	Kellys Road, Millers Road, Purasaiwalkam High Road (near Law College Hostel), Harleys Road (near Bala Vihar School), Dhamodaran Street
11	104/Purasaiwalkam	Sundaram Lane, New Bhoopathy Nagar, Ozone kulam, Dr.Alagappa Road
12	105/Arumbakkam	Thirukumarapuram 3rd Street, Anna Street, Venkata Krishna Nagar, Water Tank Road, Annai Sathya Nagar, Kalki Nagar, Ashoka Street
13	106/Aminjikarai	Metha Nagar, Vallalar Street, Indira Gandhi Street
14	107/Chetpet	Dr.Gurusamy Bridge (Opposite to Ega Theatre), Mc Nichols Road
15	108/MMDA Colony	MGR 4th Street & Andavar Street, Ko.Su.Mani Street, Periyar Pathai, Andavar Street, Kannagi Street, Kamaraj Nagar 4th Street, Sidco Street, Nehru Street

Streets -water entered houses - do not require evacuation

During the last monsoon, 27 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 27 locations were inundated for more than a day by which the normal day to day activity of 369 people were standstilled. Flood water from these areas were cleared by using 29 pumps ranging from 2 HP to 7.5 HP capacity. The identified vulnerable spots is as below,

Sl. No.	Ward No./Name	Streets where water enters house - not require evacuation
1	97/Ayanavaram	Veerasamy Main Street
2	97/Ayanavaram	P.E.Koil West Mada Street
3	97/Ayanavaram	Solai 3rd Street
4	100/Anna Nagar	AD Block
5	101/Anna Nagar	C Block
6	101/Anna Nagar	W Block
7	101/Anna Nagar	Bharathipuram Main Street
8	101/Anna Nagar	Bharathipuram 4th Street
9	101/Anna Nagar	F Block 2nd & 4th Street
10	101/Anna Nagar	Muthumariamman Colony
11	103/Kilpauk	Millers Road
12	103/Kilpauk	Purasaiwalkam High Road (near Law College)
13	103/Kilpauk	Rajarathinam Street
14	103/Kilpauk	Kellys Road
15	103/Kilpauk	Taylors Road
16	103/Kilpauk	Umayal Street
17	103/Kilpauk	Temple Street
18	104/Purasaiwalkam	Sundaram Lane
19	104/Purasaiwalkam	Osona Kulam Tenements
20	104/Purasaiwalkam	New Bhoopathy Nagar
21	104/Purasaiwalkam	Sastri Nagar
22	104/Purasaiwalkam	Lawders Gate Main Road
23	104/Purasaiwalkam	Shanmugarayan Street
24	105/Arumbakkam	Water Tank Road
25	107/Chetpet	MC Nichols 3rd Lane
26	108/MMDA Colony	Iyyappa Nagar
27	108/MMDA Colony	Periyar Pathai

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Anna nagar zone 20,555 people were evacuated from Arumbakkam, Aminjikarai, Anna nagar, Villivakkam, Chetpet and they were accommodated in Schools, Anganvadi and marriage hall. They were provided with basic amenities like accommodation, food and relief materials for 25 days. The details are given below.

Sl No	Ward No./Name	Streets	No. of persons	Years	Relief centre
1	94/ Villivakkam	Annai sathya nagar, Amman kuttai and Bharathi Nagar	1600	2015-16	Singaram Pillai School, Jain Kalyana Mandapam, Chennai Middle School, West Mada Street, Villivakkam)
2	95/ Villivakkam	Vijayalakshmpuram, Welcome Colony, Bajanai Koil Street, Thanthoniamman Koil Street	1200	2015-16	Kanagadurga School
3	96/ Ayanavaram	Kakkanji Nagar, Gandhi Nagar	2000	2015-16	Chennai High School, Vellala Street
4	99/ Anna Nagar	Sathyasai Nagar	300	2015-16	Sathyasai Nagar Church
5	100/ Anna Nagar	Dr.Radha Krishnan Nagar, MGR Colony, Melnaduvankarai, Indira Nagar, Brewery Road, NSK Nagar	2870	2015-16	Kamalammal Thirumana Mandapam, MGR Colony , Anganwadi, Melnaduvankarai, Anganwadi, Old Age Home, Anna Adarsh College, Chennai Primary School, Nathamuni Street, Chennai Primary School, NSK Nagar)
6	101/ Anna Nagar	Bharathipuram, Muthumariamman Colony, Muthumariamman Koil Street, AB Block	585	2015-16	Thiru.Vi.Ka Higher Secondary School, Periakoodal Corporation School, Anna Sidha Hospital, Sundaravadanam School, Kandasamy Naidu College
7	102/ Aminjikarai	Manjakollai, Kathiravan Colony, Gajalakshmi Colony,	8000	2015-16	Girls Higher Secondary School, Pulla Avenue, Manjakollai, Kathiravan Colony Chennai Middle School, Gujji Corporation Middle School
8	105/ Arumbakkam	Ashoka Street	2000	2015-16	C Block , MMDA Middle School

Sl No	Ward No./Name	Streets	No. of persons	Years	Relief centre
9	106/ Aminjekarai	Kakkan Nagar	1000	2015-16	Metha Nagar Higher Secondary School, Corporation Middle School, Aminjekarai, Amman Koil Mandapam
10	107/Chetpet	Apparao Garden, Avvaipuram, Jothiammal Nagar	1000	2015-16	CMS, Mc Nichols Road, CHHS, Subbarayan Street
		Total	20555		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 12 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	94, 95	Assistant Engineer	9445190935
2	96,97	Junior Engineer	9444575091
3	98	Lighting Inspector	9444575091
4	99	Assistant Engineer	9445191495
5	100 & 101	Assistant Engineer	9445026121
6	102 & 107	Junior Engineer	9445190938
7	103 & 104	Junior Engineer	9445191462
9	94 to 108	Additional divisional Engineer (Zone)	9445190048
10	94 to 108	Divisional Engineer (HQ)	9445190754

National Disaster Response Force(NDRF)

In Anna nagar zone, the NDRF to be stationed locations is given below,

Sl.No.	Ward No.	Where NDRF to be stationed and deployed
1	94	CMS, North Mada Street, Villivakkam
2	101	Amma Arangam

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



Ward 94, Sidco Nagar

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

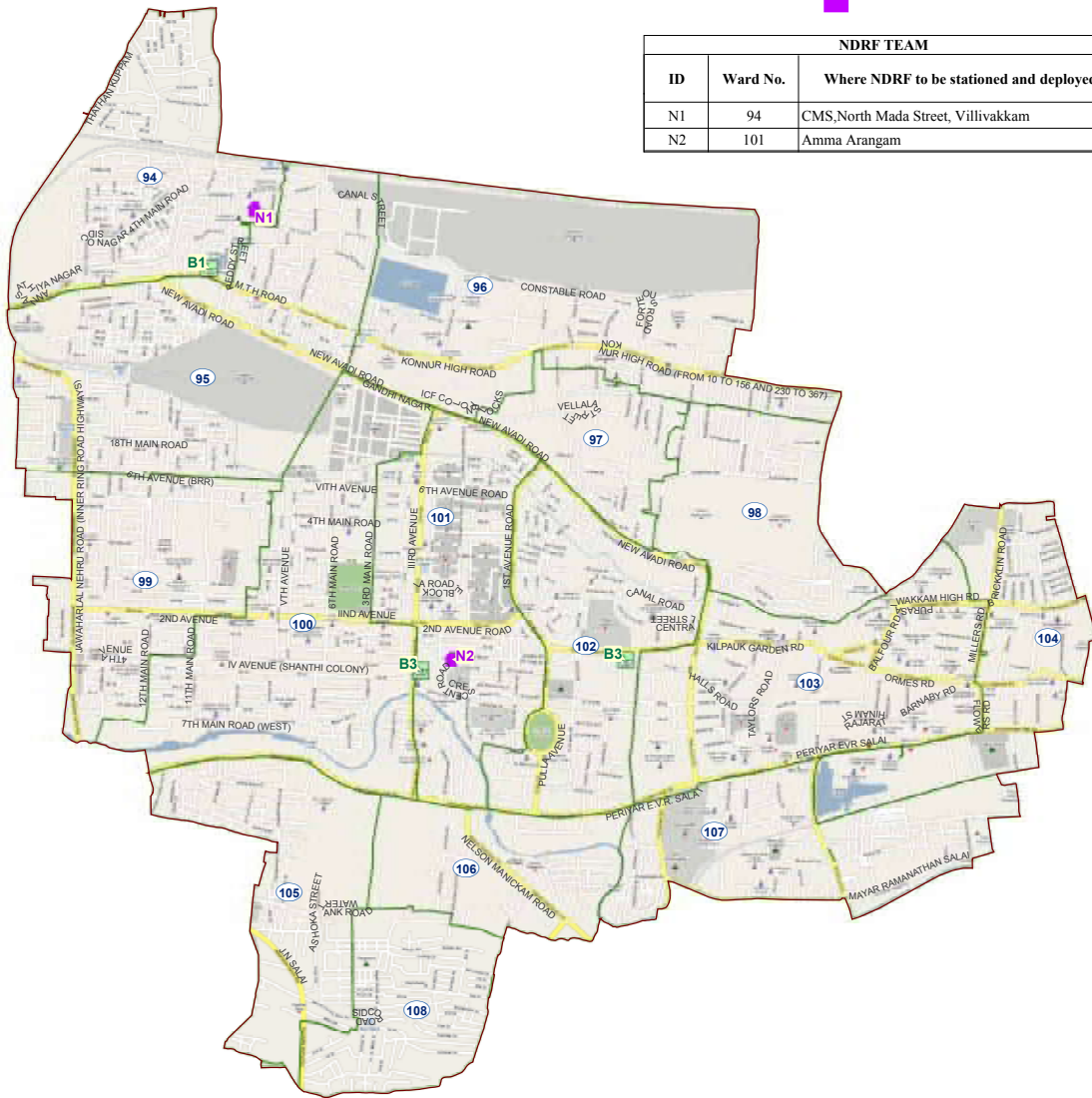
Sl. No.	Ward No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact No
1	94	Sidco Nagar – 5 Nos.	MTH Road	Assistant Engineer 9445190394
2	101	Bharathipuram, PP Thottam, - 5 Nos.	3 rd Avenue	Assistant Engineer 9445190401
3	102	Kathiravan Colony, Gajalakshmi Colony, Manjakollai, VOC Colony, - 5 Nos.	Kilpauk Garden	Assistant Engineer 9445190402

ZONE VIII EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



NDRF TEAM

NDRF TEAM		
ID	Ward No.	Where NDRF to be stationed and deployed
N1	94	CMS, North Mada Street, Villivakkam
N2	101	Amma Arangam



EVACUATION AREA

BOAT LOCATION

EVACUATION AREA		
ID	Ward	Number of boats required with location /evacuation areas / location
E1	94	Sidco Nagar – 5 Nos.
E2	101	Bharathipuram, PP Thottam, - 5 Nos.
E3	102	Kathiravan Colony, Gajalakshmi Colony, Manjakollai, VOC Colony, - 5 Nos.

ID	Ward	Boats stationed Location
B1	94	MTH ROAD
B2	101	3RD AVENUE
B3	102	KILPAUK GARDEN

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 10 debris lorries, 6 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below

No. of lorries and type kept in readiness	
Debris lorry	- 10
Skid steer loaders (Bob cat)	- 6
(Front end loader) JCB	- 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry	Hydraulic Ladder
9445190494	1	6	10	2	-

Less than 2.5 m streets that cannot be accessed by Vehicles

Sl.No.	Ward No./Name	Name of the Streets
1.	101/Anna Nagar	PP Thottam
2	101/Anna Nagar	MM Colony

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 94

Ward Councillor -

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190394
GCC - Electrical	Assistant Engineer	9445190935
GCC- Health	Sanitary Inspector	9940571756
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190594
GCC - Revenue	Tax Collector	9840535780
Revenue	Revenue Inspector	984820369
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930094
TANGEDCO	Junior Engineer	9445850867
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9444016909
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9884565774
Highways	Executive Engineer	8754442222

Ward committee - 95

Ward Councillor -

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190395
GCC - Electrical	Assistant Engineer	9445190935
GCC- Health	Sanitary Inspector	9791023580
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190595
GCC - Revenue	Tax Collector	9940140233
Revenue	Revenue Inspector	9444272415
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930095
TANGEDCO	Assistant Engineer	9445850867
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Sub inspector	8754487509
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9884565774
Highways	Executive Engineer	8754442222

Ward committee - 96

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190396
GCC - Electrical	Junior Engineer	9445477697
GCC- Health	Sanitary Inspector	8072337672
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190596
GCC - Revenue	Tax Collector	9884441782
Revenue	Revenue Inspector	9543638240
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930096
TANGEDCO	Assistant Engineer	9445850868
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9840976307
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9884565774
Highways	Executive Engineer	8754442222

Ward committee - 97

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190397
GCC - Electrical	Junior Engineer	9445477697
GCC- Health	Sanitary Inspector	9940571756
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190597
GCC - Revenue	Tax Collector	9710680940
Revenue	Revenue Inspector	9789857053
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930097
TANGEDCO	Assistant Engineer	9445850868
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	044 - 23452714
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9710945166
Highways	Executive Engineer	8754442222

Ward committee - 98

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190398
GCC - Electrical	Junior Engineer	9445477697
GCC- Health	Sanitary Inspector	9791023580
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190598
GCC - Revenue	Tax Collector	7418944436
Revenue	Revenue Inspector	9543638240
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930096
TANGEDCO	Assistant Engineer	9445850868
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Sub Inspector	8754487509
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9884565774
Highways	Executive Engineer	8754442222

Ward committee - 99

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190399
GCC - Electrical	Assistant Engineer	9445191495
GCC- Health	Sanitary Inspector	8072337672
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190599
GCC - Revenue	Tax Collector	994128024
Revenue	Revenue Inspector	9444272415
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930099
TANGEDCO	Assistant Engineer	9445850294
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9840705322
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9382107286
Highways	Executive Engineer	8754442222

Ward committee - 100

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190400
GCC - Electrical	Assistant Engineer	9445026121
GCC- Health	Sanitary Inspector	8072464098
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190600
GCC - Revenue	Tax Collector	8056214223
Revenue	Revenue Inspector	9444272415
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930100
TANGEDCO	Assistant Engineer	9445850294
BSNL	Sub Divisional Engineer	9444904433
Fire service	Inspector	044 - 26428544
Police station	Inspector	9840708060
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9884565774
Highways	Executive Engineer	8754442222

Ward committee - 101

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190401
GCC - Electrical	Assistant Engineer	9445026121/9445190937
GCC- Health	Sanitary Inspector	8072970991/9445025901
GCC - Veterinary	Veterinary Assistant Surgeon	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190601
GCC - Revenue	Tax Collector	9940244309
Revenue	Revenue Inspector	7010064395
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930101
TANGEDCO	Junior Engineer	9445850295/9445850310
BSNL	Sub Divisional Engineer	9444904433
Fire service	Inspector	044 - 26428544
Police station	Inspector	044 - 23452716 /9600052590
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9080558236/892523886
Highways	Executive Engineer	9443132839

Ward committee - 102

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190402
GCC - Electrical	Junior Engineer	9445190938
GCC- Health	Sanitary Inspector	9600482735
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190602
GCC - Revenue	Tax Collector	9840634744
Revenue	Revenue Inspector	9884538495
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930102
TANGEDCO	Assistant Engineer	9445850296
BSNL	Sub Divisional Engineer	9444904433
Fire service	Inspector	044 - 26428544
Police station	Inspector	044 - 23452730
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9445074764
Highways	Executive Engineer	8754442222

Ward committee - 103

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190403
GCC - Electrical	Junior Engineer	9445191462
GCC- Health	Sanitary Inspector	9841114261
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190603
GCC - Revenue	Tax Collector	9150874769
Revenue	Revenue Inspector	9789743521
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930103
TANGEDCO	Junior Engineer	9445850722
BSNL	Divisional Engineer	94450404022
Fire service	Inspector	044 - 26428544
Police station	Inspector	9791013338/04423452699
PWD	Assistant Engineer	9176083070
TNSCB	Assistant Engineer	9791324160
Highways	Executive Engineer	9443132839

Ward committee - 104

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190404
GCC - Electrical	Junior Engineer	9445191462
GCC- Health	Sanitary Inspector	9600482735/9445025902
GCC - Veterinary	Veterinary Assistant Surgeon	9445194743
GCC - Solid waste management	Conservancy Inspector	9445190604
GCC - Revenue	Tax Collector	9791126199
Revenue	Revenue Inspector	9789847541
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930104
TANGEDCO	Junior Engineer	9445850724
BSNL	Assistant Engineer	9445020441
Fire service	Inspector	044 - 26428544
Police station	Inspector	9444219610
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9943319775
Highways	Executive Engineer	8428699508

Ward committee - 105

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190405
GCC - Electrical	Assistant Engineer	9445190936
GCC- Health	Sanitary Inspector	9445025908
GCC - Veterinary	Veterinary Assistant Surgeon	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190605
GCC - Revenue	Tax Collector	9940613366
Revenue	Revenue Inspector	9962624391
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930105
TANGEDCO	Junior Engineer	9445850427
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9498102499
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9445074764
Highways	Executive Engineer	8754442222

Ward committee - 106

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190406
GCC - Electrical	Junior Engineer	9445190936
GCC- Health	Sanitary Inspector	9445025906
GCC - Veterinary	Veterinary Assistant Surgeon	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190606
GCC - Revenue	Tax Collector	9884929365
Revenue	Revenue Inspector	7871247007
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930106
TANGEDCO	Junior Engineer	9445850427
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9498102499
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9445074764
Highways	Executive Engineer	8754442222

Ward committee - 107

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190407
GCC - Electrical	Junior Engineer	9445190938
GCC- Health	Sanitary Inspector	9445025906
GCC - Veterinary	Veterinary Assistant Surgeon	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190607
GCC - Revenue	Tax Collector	9382718719
Revenue	Revenue Inspector	7871247007
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930107
TANGEDCO	Assistant Engineer	9445850298
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9498102499
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9445074764
Highways	Executive Engineer	8754442222

Ward committee - 108

Ward Councillor -

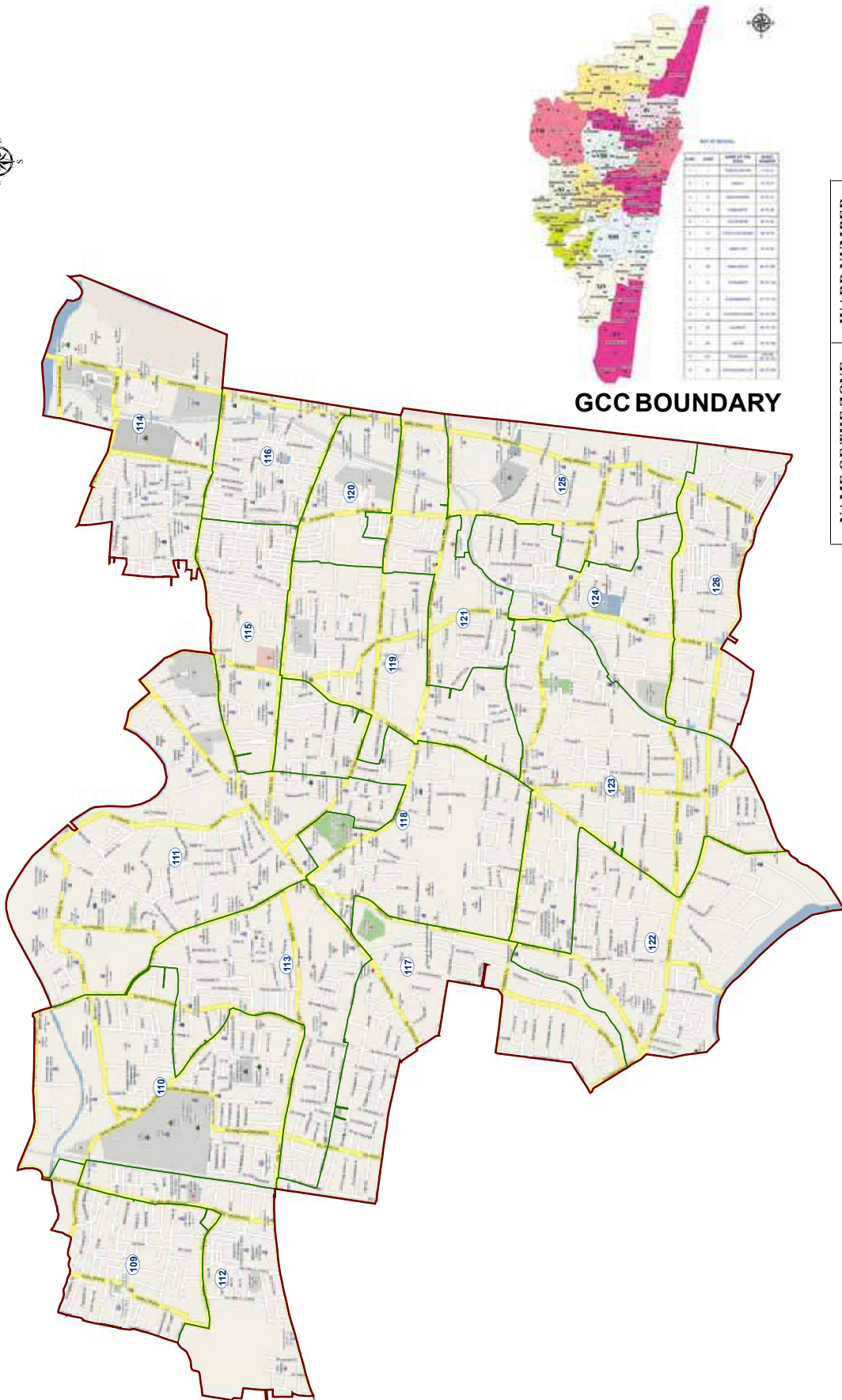
Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190408
GCC - Electrical	Assistant Engineer	9445190936
GCC- Health	Sanitary Inspector	9445025908
GCC - Veterinary	Veterinary Assistant Surgeon	9445194748
GCC - Solid waste management	Conservancy Inspector	9445190608
GCC - Revenue	Tax Collector	9380182879
Revenue	Revenue Inspector	7871247007
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930108
TANGEDCO	Assistant Engineer	9445850301
BSNL	Assistant Engineer	9444976454
Fire service	Inspector	044 - 26428544
Police station	Inspector	9498102499
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9445074764
Highways	Executive Engineer	8754442222

ZONE - IX

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ZONE IX - WARD BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Teynampet	109 TO 126

Profile

Teynampet zone lies in **Latitude 13.05495°**, Longitude **80.23922°** and covering an area of **25.19 Sq.km**.

There are 1784 roads, out of which 1699 roads to a length of 326.615 Km are Interior Roads, 83 Roads to a length of 70.679 Km are Bus Route Roads which are maintained by GCC and the remaining 1 road is under the maintenance of Highways department.

The population is about 7.55 lakhs having Male population of about 50.48% and Female population of about 49.5 % In this zone, The most dense area in the zone is Sathyamoorthy nagar with a population of 46,922 and the least is Ammer Mahal with a population of 35,600. The Ward wise population is given below,

Sl. No	Ward. No/Name	Total House Holds	Total Population
1	109 - Choolaimedu	12000	45593
2	110 - Kosimani Nagar	7317	43899
3	111 – Thousand Light	9000	40232
4	112 -Pulyur	6272	37635
5	113 - Nakkeran Nagar	13000	41751
6	114 - Chepauk	3913	41116
7	115 - Ammer Mahal	4020	35600
8	116 - Triplicane	3500	40605
9	117-Sathyamoorthynagar	7820	46922
10	118 - Royapettah	8341	41706
11	119 - Azat Nagar	6754	40521
12	120 - Krishnamapet	2650	41223
13	121 - Vivekananda nagar	3800	38603
14	122 - Alwarpet	6890	41342
15	123- Beemanpet	9128	45642
16	124 - Mylapore	7348	44090
17	125 - Santhome	7456	44741
18	126 – Avvai Nagar	13735	37152
Total		125401	754670

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	109 to 126	
2.	Zonal Officer	109 to 126	9445190009

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, fly overs, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Name	Designation	Unit/ Ward.No.	Office Mobile Number
1	Mr.T.Enian	Executive Engineer 1	Z-9(Unit-25,26)	9445190029
2	R. Saravanan	Executive Engineer 2	Z-9(Unit-24,27)	9445190864
3	Mr.Manimozhi	Assistant Executive Engineer	Unit - 24	9445190124
4	Mr Venkatesh Kumar	Assistant Executive Engineer	Unit - 25	9445190125
5	Mr Kumar	Assistant Executive Engineer	Unit - 26	9445190126
6	Mr Nehru	Assistant Executive Engineer	Unit - 27	9445190127
7		Additional Divisional Engineer, Electrical	109 to 126	9445190049

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl.No.	Name	Designation	Unit/ Ward. No.	Office Mobile Number
1	Mr.Raghu	Conservancy Supervisor	Unit - 24	9445190618
2	Mr.Syed	Conservancy Supervisor	Unit - 25	9445190625
3	Mr.Syed i/c	Conservancy Supervisor	Unit - 26	9445190616
4	Mr.Parthipan	Conservancy Supervisor	Unit - 27	9445190615
5		Conservancy Inspectors	Div 109-126	9445190609 to 626

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Name	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Dr.Saswathi	Zonal Health Officer	Zone 9	9445190069
2	Dr.Sri Vidya	Veterinary Surgeon	Zone 9	9445194746
3	Mrs.Thenmozhi	Senior Entomologist	Zone 9	9884470278
4	Mr.Rajendra kumar	Sanitary Officer	Unit - 24	9840555598
5	Mr.Lakshnakumar	Sanitary Officer	Unit - 25	9445190689
6	Mr.Sivaganam	Sanitary Officer	Unit - 26	9445025913
7	Mr,Sathish	Sanitary Officer	Unit - 27	9445025916

Parks

There are 36 Parks available in Teynampet zone . These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Remarks
1	9445194729 Park Overseer	Generator Electrical Saw – 3 Nos Petrol Saw – 31Nos Tree Purner - 6 Nos	Mobile vehicle
2	For Emergency use in Div	1 purner	In each Divisions

S.No	Ward	Name Of Ward	Location of the Park
1	109	Choolaimedu	Gill Nagar Park, West Namachivayapuram Park
2	110	Kosimani Nagar	Harrington Road Park, Independence Day Park, Anna Park
3	111	Ayiram Vilakku	Binny Road - Spencer Plaza, Nungambakkam 4th Lane Park, Ko Su Mani Park, Whites Road Park (Sathyam), College Road Park 1, College Road Park 2, Haddows Road Park, College Lane Park
4	112	Pulyur	Anbalagan Park, Chitra Park - Railway Border Road
5	113	Nakkeran Nagar	Kodambakkam High Road Park - Dharmapuram (Lab), Sharma Park, Kodambakkam High Road
6	114	Chepauk	Nepier Bridge Park, Marina Beach
7	116	Triplicane	Dr. Annie Besant Park
8	117	Sathyamoorthynagar	Chari Street Park
9	118	Royapettah	Thiru-vi-ka-Park, G.N.Muthaiah Street Park

S.No	Ward	Name Of Ward	Location of the Park
10	119	Azat Nagar	Parthasarathy Park, C.I.T. Colony 5th Street Park
11	121	Vivekanda Nagar	Thiruvalluvar Park
12	122	Alwarpet	Turnbulls Road
13	123	Beemanpet	R.A.Puram 7th Main Road Park, Dimonte Colony Park, Thiruvalluvar Park, Nageswarao Park
14	125	125 - Santhome	City Centre (OSR)
15	126	126 – Avvai Nagar	Luz Church Road Park, Pattinambakkam Nursury Park
16	114,116, 120,121 &125		Marina Beach Park

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are eight pumping stations available in Teynampet Zone with average capacity of 24 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Choolaimedu High Road, Sivan Koil South Street	12.50	280 HP – 4Nos
2	Thomas Road	12.50	280 HP – 3 Nos
3	Thiruvalluvar Salai, Nandanam extn 5 th Street	12.50	280 HP – 4 Nos
4	Dr.Besant Road	50	65 Hp ,65 Hp ,75 Hp
5	P.Sivaswami Salai	50	65 Hp ,65 Hp ,75 Hp
6	St.Mary's Road	24	90 HP, 60 HP, 50 HP, 40 HP
7	Vada Aghram 1 st Street, East Namachivayapuram	20	40 HP
8	Greems Road	15	125 HP, 75 HP-1, 90 HP-2 , 60 HP-1

Tamil Nadu Slum Clearance Board tenements

There are 17,008 TNSCB tenements in 62 locations with a population of 68,032. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl.No.	Ward No	Tenement location	No. of tenement	Population
1	109	Appasamy Mudali Street	64	256
2	115	R.O.B.	16	64
3	119	Shaiva Muthaiah Street	40	160
4	114	Navalar Nagar (Lock Nagar)	304	1216
5	124	Pillaiyarkoil Thottam	240	960
6	125	Kuilthottam	348	1392
7	113	Karumankulam	24	96
8	117	Thiru vi Ka Kudiyurupu	636	2544
9	122	Baruva Nagar	340	1360
10	118	Periyapalayathamman Koil	32	128
11	124	Visalashiammal Estate	646	2584
12	125	EP&MP Street	188	752
13	125	Nochinagar	628	2512
14	113	Valluvar Kudiyiruppu	112	448
15	117	Thyagaraya Salai, Ph-II	72	288
16	117	M.K.Radha Nagar	128	512
17	111	Wallace Garden	128	512
18	118	Thomaiyappan Lane	60	240
19	121	PM Durgah	288	1152
20	123	Kabali Thottam Phase I	124	496
21	124	Sathyavanimuthu Nagar	168	672
22	125	Dooming kuppam	492	1968
23	126	Kuppaimedu	344	1376
24	117	S.S. Puram	256	1024
25	122	Jogi Thottam	256	1024
26	111	Swathanthra Nagar	576	2304
27	115	Nair Varadapillai	24	96
28	123	Pallakumaniyam	1272	5088

Sl.No.	Ward No	Tenement location	No. of tenement	Population
29	124	Mosque Street	100	400
30	125	Selvarajapuram (Salterpuram)	92	368
31	126	Fore Shore Estate	136	544
32	112	Subedar Garden	352	1408
33	113	Gangikaraipuram	176	704
34	117	Thyagaraya Salai, Ph-I	312	1248
35	117	Thyagaraya Salai, Ph-III	120	480
36	117	Thyagaraya Salai, Ph-IV	120	480
37	122	Sathyamoorthy Nagar, Ph-1	256	1024
38	122	Sathyamoorthy Nagar, Ph-1I	384	1536
39	122	Sathyamoorthy Nagar, Ph-1II	480	1920
40	124	Nattan Thottam	266	1064
41	125	Temporary Shelters	936	3744
42	126	Andimaniyam Thottam	522	2088
43	112	Trustpuram	40	160
44	113	Badrikarai	144	576
45	117	Dr. Thomas Road, Ph-I	300	1200
46	117	Dr. Thomas Road, Ph-II	348	1392
47	117	Dr. Thomas Road, Ph-III	464	1856
49	117	Dr. Thomas Road, Ph-IV	96	384
50	122	M.T.B.(R) 39 to 43	208	832
51	122	M.T.B.(R) (46 to 55)	212	848
52	122	M.T.B.(T) (4 to 14)	392	1568
53	122	M.T.B.(R) (15 to 20)	200	800
54	122	M.T.B. (REO) (1 TO 5)	84	336
55	122	M.T.B.(T) 1 to 3	128	512
56	110	Pushpa Nagar	1024	4096
57	117	Nakeerar Nagar	120	480
58	117	North Giriappa Road	208	832
59	117	Ramakamathpuram	426	1704
60	117	Ramakrishnapuram	184	736
61	123	Vanniarpuram	340	1360
62	123	Mudaliandan Thottam	32	128
Total			17008	68032

Contact details

Department	Designation	Area	Contact No.
Conservancy/GCC	Conservancy Supervisor	Unit 24	9445190618
Conservancy/GCC	Conservancy Supervisor	Unit 25	9445190625
Conservancy/GCC	Conservancy Supervisor	Unit 26	9445190616
Conservancy/GCC	Conservancy Supervisor	Unit 27	9445190614
Water Supply & Sewage /CMWSSB	Area Engineer	109 to 126	8144930109 to 126
TNSCB	Executive Engineer	Slum ward-4,5&6	9445074774, 9445074776, 9842179008
TNSCB	Executive Engineer	Chennai Special Ward-3, Marina Reconstruction	9444112678, 9445074838
Revenue	Tahsildhar	Guindy	9444942823
Revenue	Tahsildhar	Mylapore	9445000487
Fishery Department		109 to 126	9442179819

Water Bodies and Waterways

There are 6 Canals in this zone **(1) Virugambakkam Canal** maintained by PWD which travels for a length of 0.25 km in this zone from Vadaagham Street to Metha Nagar Bridge and drains into Coovam river **(2)Trustpuram Canal** maintained by GCC travels to a length of 1.04 km from Aroct road to Vannier street junction and melds with Coovam river **(3) Nugambakkam Canal** maintained by GCC flows for a length of 1.43 km through Nugambakkam high road to Greams road and melds to Coovam river. **(4) Buckingham canal** maintained by PWD flows from Bharathi salai to Sringeri Mutt Road to a length of 6.61 km and melds into Adyar river **(5) Mambalam Canal** maintained by GCC flows for a length of 2.00 km through Vidhyodhaya main road to Venkatanarayana road and drains into Adyar river **(6) Nadanam Canal** maintained by GCC travels to a length of 1.60 km from SM Nagar and reaches the Adyar river.

The Greater Chennai Corporation is doing a massive effort to remove hyacinth and also performing de-silting works in all the canals maintained by them. Storm water drain, rivers & lakes periodically as a precautionary measure for the upcoming monsoon. Storm Water Drains were constructed by GCC for a distance of 155.97 km to ease the

flow of rain water . Most of the Locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies.

The details of various water bodies in this zone is listed below,

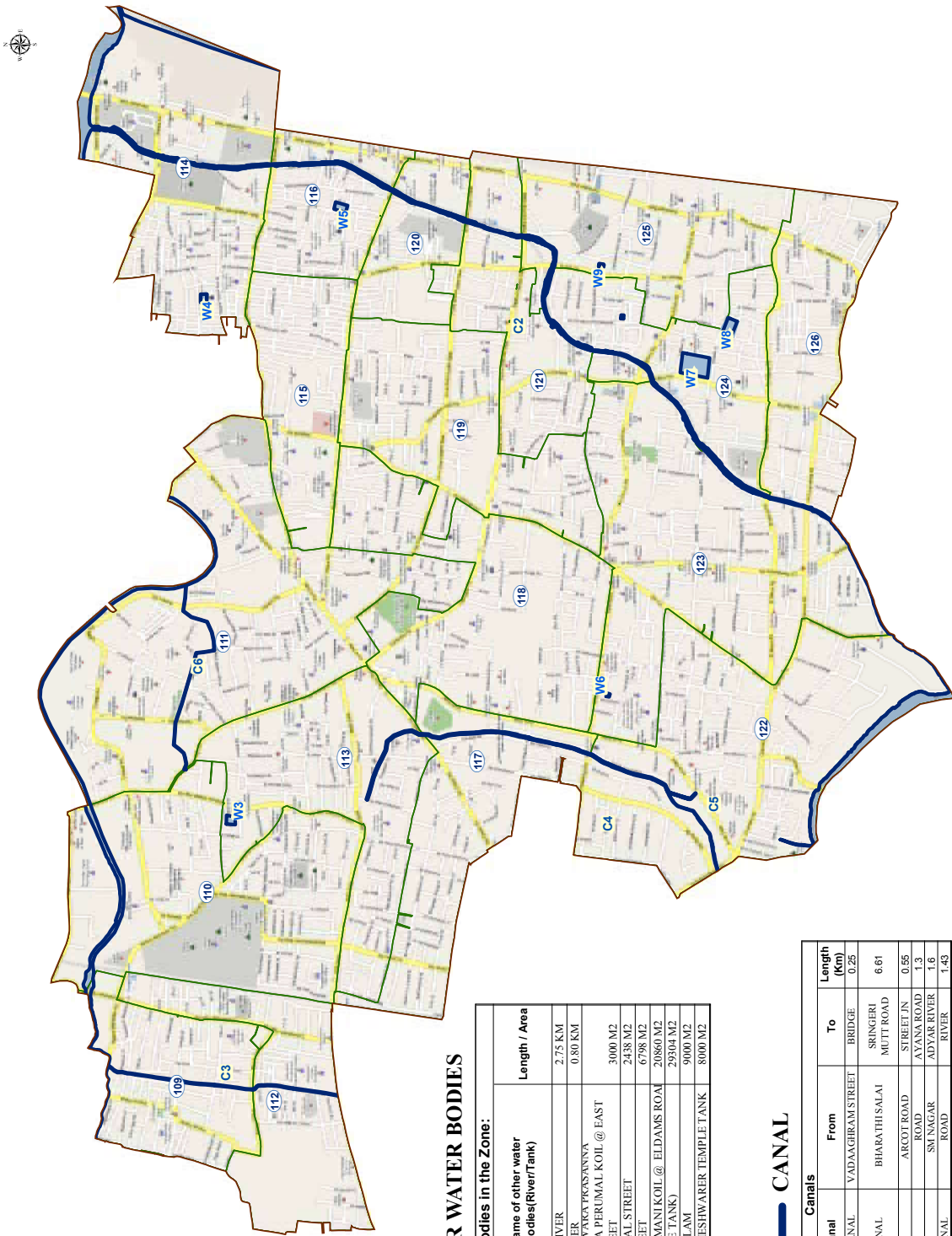
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Virugambakkam Canal	109	Vadaagham Street	Metha Nagar Bridge	0.25
2	Trustpuram Canal	109, 112	Vannier Street	Coovam River	1.04
3	Nungambakkam Canal	111	Nungambakkam High Road	Coovanm River	1.43
4	Buckingam Canal	114,116,120, 121,122,123, 124,125,126	Bharathi Salai	Sringeri Mutt Road	6.61
5	Mambalam Canal	113, 117, 122	Vidhyodhaya Main Road	Venkat Narayana Road	2.00
6	Nadanam Canal	122	SM Nagar	Adyar River	1.60

Other water bodies

Sl No	Ward No	Name of other water bodies(River/Tank)	Length / Area
1	109 & 111	Coovum river	2.75 km
2	122	Adyar River	0.80 Km
3	113	Agathishwara prasanna Venkatesa Perumal Koil @ East Mada Street	3000 m2
4	114	Thiru Veethi Amman Koil @ Near Subatharal Street	2438 m2
5	116	Parthasarathi Koil @ South Mada Street	6798 m2
6	123	Balasubrmani Koil @ Eldams Road	20860 m2
7	124	Kabalishwarer Temple Tank (Mylapore Tank)	29304 m2
8	124	Chitra Kulam	9000 m2
9	125	Tirupatcheshwarer Temple Tank	8000 m2

ZONE IX - WATER BODIES



OTHER WATER BODIES

Other water bodies in the Zone:

ID	Ward No	Name of other water bodies(River/Tank)	Length / Area
W1	109 & 111	COOVUM RIVER	2.75 KM
W2	122	ADYAR RIVER	0.80 KM
W3	113	AGATHIBISHWARAGA PROSANNVA VENKATESA PERUMAL KOIL @ EAST	3000 M2
W4	114	MADA STREET	2438 M2
W5	116	MADA STREET	6798 M2
W6	123	BALASUBRAMANIKOIL @ ELDMANS ROAM	20860 M2
W7	124	(MAYLAPORE TANK)	29304 M2
W8	124	CHITRA KULAM	9000 M2
W9	125	THIRUPATCHESHWARER TEMPLE TANK	8000 M2

CANAL

Canals		From	To	Length (Km)
C1	109	VIRUGAMBAKKAM CANAL	VADAAGIRAM STREET	0.25
C2	114, 116, 120, 121, 122, 123, 124, 125, 126	BUCKINGAM CANAL	SRINGERI BHARATHISALAI MUTT ROAD	6.61
C3	112	TRUSTPURAM CANAL	ARCOT ROAD	0.55
C4	113, 117, 122	MAMBALAM CANAL	ROAD	1.3
C5	122	NADANAM CANAL	SM NAGAR	1.6
C6	111	NINGAMBAKKAM CANAL	ROAD	1.43

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

628 storm water drains to a length of 160.86 km were constructed to ease the flow of rain water in Teynampet zone. The details of SWD are given below.

Sl. No.	Ward No	Total No. of SWDs	Length of SWDs in Km
(1)	(2)	(3)	(4)
1	109	43	10.68
2	110	63	12.10
3	111	52	13.82
4	112	42	7.35
5	113	58	16.36
6	114	27	7.67
7	115	16	3.90
8	116	16	3.60
9	117	37	11.91
10	118	49	16.85
11	119	41	9.91
12	120	9	2.09
13	121	20	6.89
14	122	47	13.01
15	123	45	12.70
16	124	25	5.13
17	125	15	2.27
18	126	13	4.67
Total		628	160.86

Water stagnated streets in the previous monsoon - heavy rain

During the last monsoon, 16 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

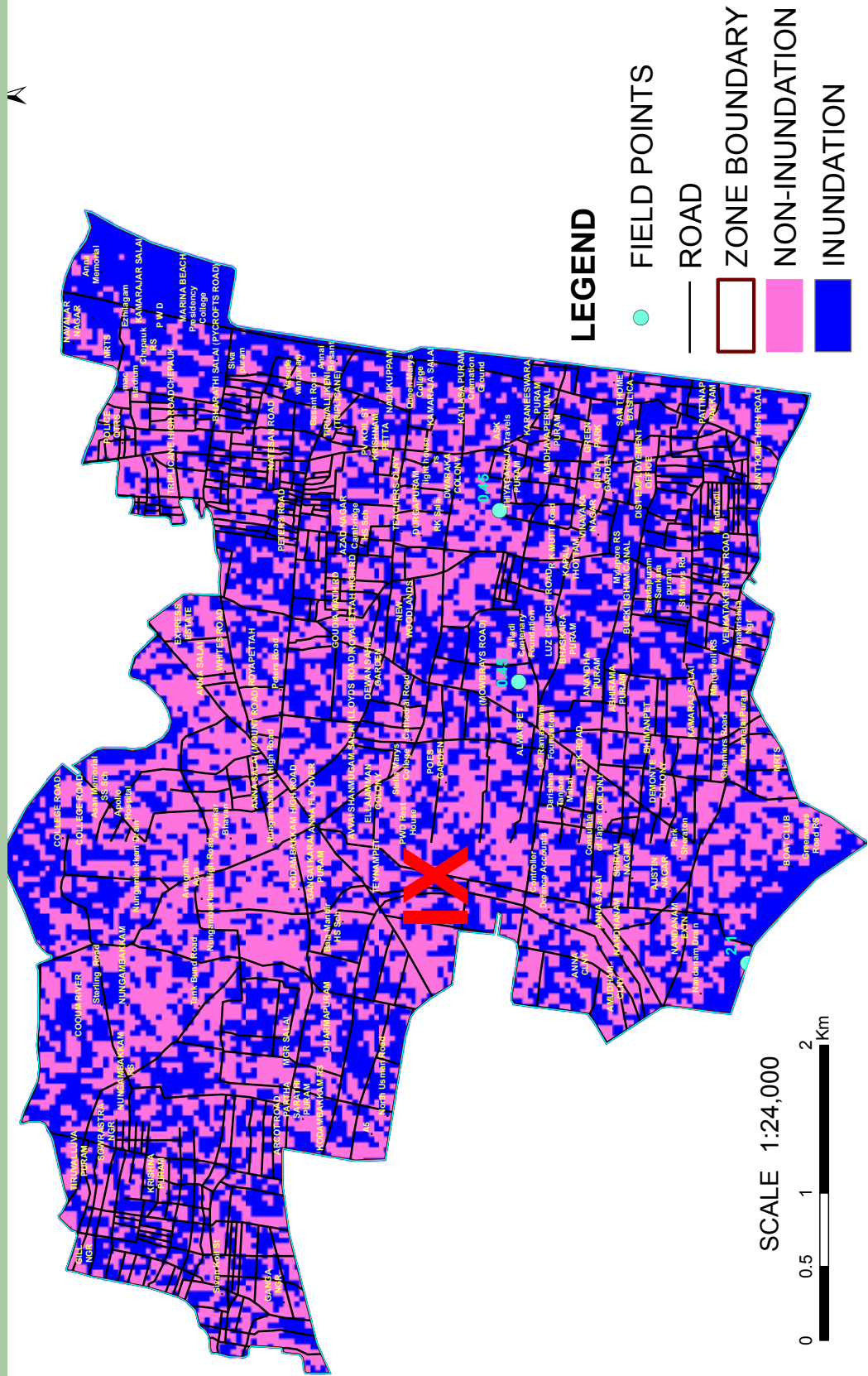
S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	113-Nakkeran Nagar	Habibullah Road	5 HP& 40HP	Habibullah Road	Mamabalam Canal
2	117-Sathyamoorthy Nagar	G.N.Chetty Road	5 HP& 40HP	G.N.Chetty Road	Mamabalam Canal
3	122- Alwarpet	PasumponMuthu Ramalinga (D) Salai	5HP	PasumponMuthu Ramalinga (D) Salai	Mamabalam Canal
4	114- Chepauk	Lock Nagar	5HP	Lock Nagar	B Canal
5	115-Ameer Mahal	Dr.Besant Road	5HP	Dr.Besant Road	B Canal
6	116-Triplicane	Dr.Besant Road	5HP	Dr.Besant Road	B Canal
7	120-Krishnamapet	Dr.Natesan Road	5HP	Dr.Natesan Road	B Canal
8	121- Vivekananda Nagar	Ganeshapuram	5HP	Ganeshapuram	B Canal
9	123- Beemanpet	T.T.K.Road, Seethammal Road	5HP	T.T.K.Road, Seethammal Road	B Canal
10	124- Mylapore	Ramakrishnapuram	5HP	Ramakrishnapuram	B Canal
11	125- Santhome	Karneeshwarer Pokoda Street	5HP	Karneeshwarer Pokoda Street	B Canal

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
12	126- Avvai Nagar	Santhome High Road	5HP	Santhome High Road	Loop Road
13	110- Kosimani Nagar	School Road, Lake Area	5HP	School Road, Lake Area	Jn of Tank bund Road SWD
14	111-Thousand Light	Whites Road, Pattulas Road	2 Nos 5HP	Whites Road, Pattulas Road	Pattulas Road SWD
15	118- Royapettah	Mayor Sundrarao Road, Kasthuri Rangan Road	5HP	Mayor Sundrarao Road, Kasthuri Rangan Road	Jn of G.N Chetty Road
16	119-Azat nagar	AvvaiShanmugam Salai, Lakshmipuram, Sivaswamy Street	5HP	Avvai Shanmugam Salai, Lakshmipuram, Sivaswamy Street	Royapettah High Road SWD

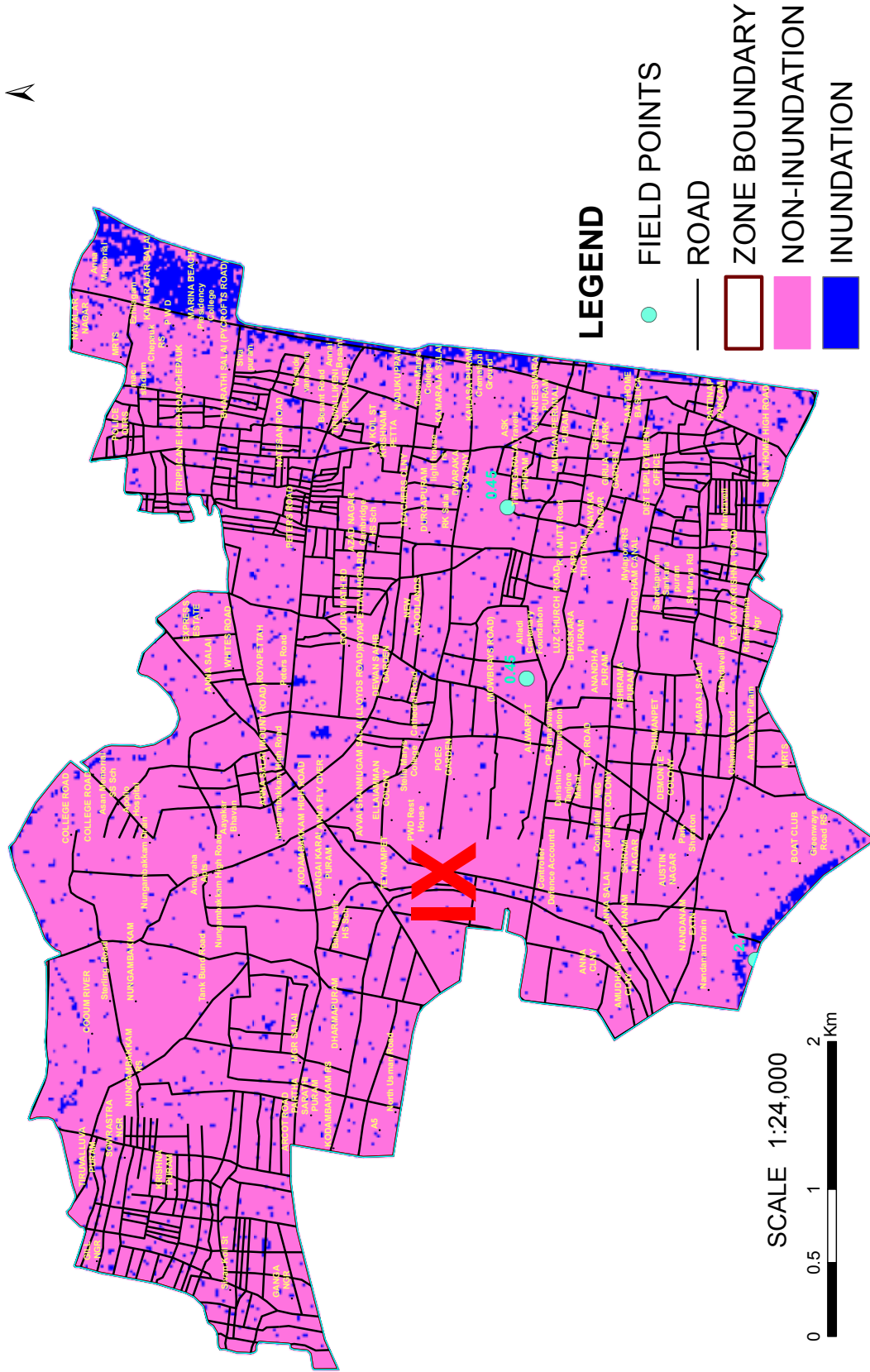


Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

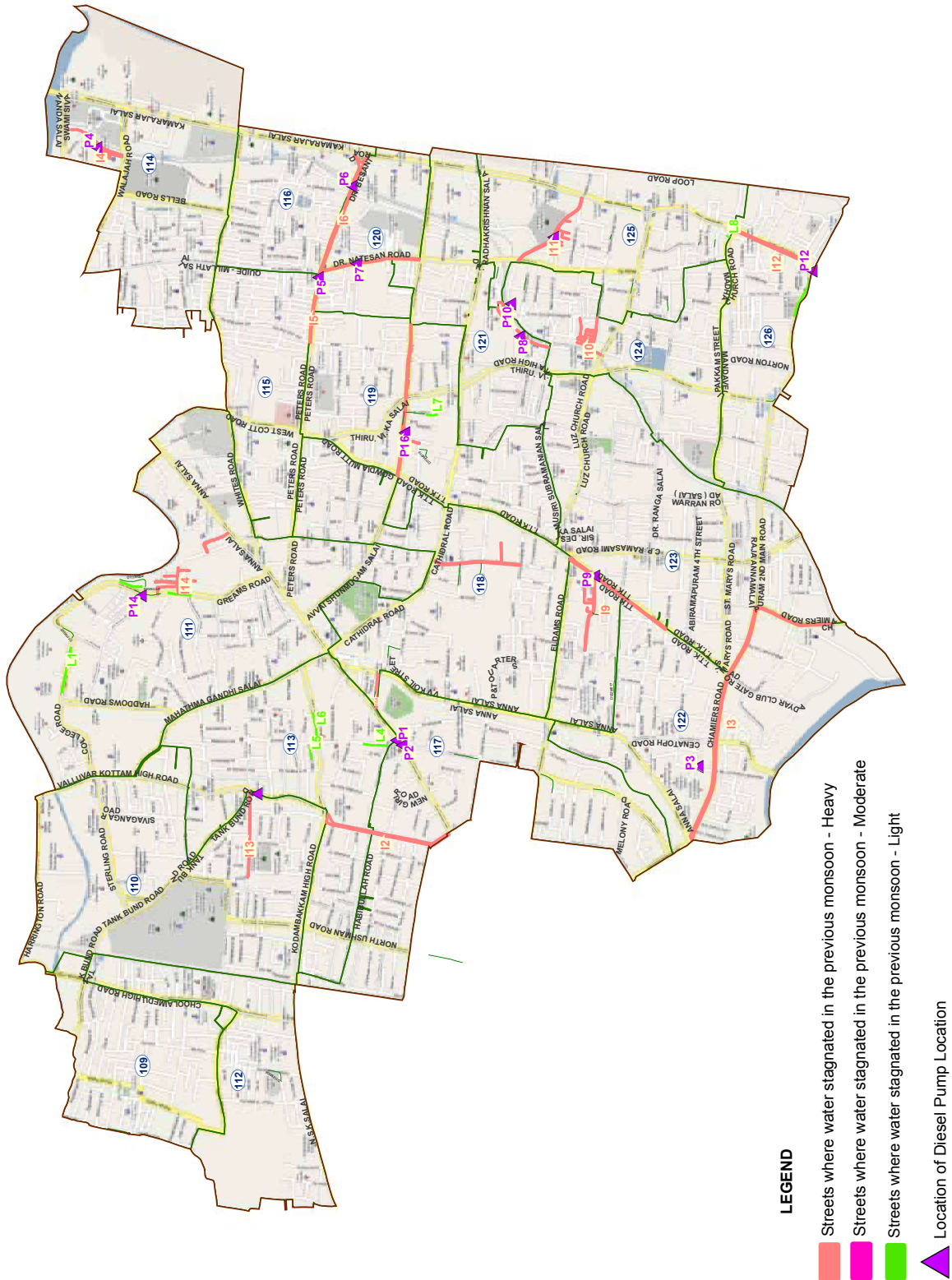


INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE IX

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



Water stagnated streets in the previous monsoon - mild rain

S.No.	ward	Name of the Street
1	110	School Road
2	110	Sterling Road
3	111	Whites Road
4	113	Prakasam Salai
5	115	Dr.Besant road (Uruthu School)
6	119	Avvai Shanmugam Salai 1st lane
7	119	Lakshmipuram 2nd Street

Water stagnated streets in the previous monsoon -Moderate rain

S.No.	Ward	Name of the Street
1	110	Valluvar kottam High Road
2	110	Tank Bund Road
3	110	Sterling Road
4	110	School Road
5	111	whites road
6	111	Pattulas Road
7	112	New Vellala Street
8	113	Nungambakkam High road
9	114	Sydoji street jn of bells road
10	115	Devaraj Street Back side Amman Koil
11	116	Dr.Besant Road, Jnc. Of T.P. Koil Street
12	116	Dr.Besant Road, Near Annie Besant Park
13	117	South boag road
14	117	Bharathi nagar 1st street
15	117	North Boag Road
16	118	Cathedral road (service Road)
17	119	Avvai Shanmugam Salai 1st lane
18	119	Lakshmipuram 2 nd street
19	119	P.S.Sivasamy Salai

S.No.	Ward	Name of the Street
20	120	Dr. Natesan Road
21	120	Irusappan street
22	121	Dr. R.K. Salai
23	122	Cenatoph road
24	122	Ganesapuram 2nd Street
25	124	R.K Mutt Road (opp to Kabaleeswarar koil tank to railway Station)
26	125	Karaneeswarar Pagoda Street

Stagnation of water in streets due to sewer blocks

SI No	Ward No./ Name	Name of the Streets	No. of Manholes
1	113-NakkeranNagar	Habibullah Road	1
2	117- Sathyamoorthy Nagar	North Boag road, Cathedral Garden Road	5
3	122 - Alwarpet	Ratna Nagar	2
4	114 - Chepak	Sydoji Street, Abdul Kareem Street	2
5	115 – Ameer Mahal	Thangavelu Street, Shaik Dawood Street	2
6	120 - Krishnamapet	Dr. Natesan Road, V.R. Pillai Street	2
7	121- Vivekananda Nagar	Thiru-vi-ka 2 nd Street, Thiru-vi-ka 3 rd Street	3
8	112 - Puliur	Sowrastra Nagar 1 st Street, New Vellala street, Trustpuram 1 st Cross Street, Sivan Koil South Street	5
9	123 - Beemanpet	Seethammal 1 st Main Road, R.A.Puram 3 rd Cross Street, R.A.Puram 1 st Main Road, Periyar Salai	6

SI No	Ward No./ Name	Name of the Streets	No. of Manholes
10	124 - Mylapore	Natton Thottam, South Mada Street, Sathiyavani Muthu Nagar, Sarathapuram	4
11	109 - Choolaimedu	Thiruvengadapuaram Main Road	2
12	110 -Kosimani Nagar	Jayalakshmipuram main road	2
13	111-Ayiram Vilakku	Anna Salai, Whites Road	4
14	118 - Royapettah	Chokalingam Colony, Elango Salai	4
15	119 - Azt Nagar	Avvai Shanmugam Salai, Avvai Shanmugam Salai 1 st Lane, Lakshmipuram 2 nd Street	5
16	125 - Santhome	Karneeshwarer koil Street, Karneeshwarer Pogoda Street	4
17	126 – Avvai Nagar	Santhome High Road, 2 nd Trust Road, Madha Church Road	4
		Total	57

Relief Centres

There are 5 relief centres to a total capacity of 4,450 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer incharge (Designation)	Contact No.
1	118	3000	Cooking Centre, Gopalapuram	Thousand lights, East & West Namachiya puram, Appasamy street	YES	YES	YES	Sanitation, Medicine	Sanitary Inspector	9445025918
								Evacuation	Assistant Engineer	9445190418
								Food & Drinking water	Assistant Revenue Officer	9445190709 9445190089
								Relief Materials	Assistant Engineer	9445190418
2	109	250	Chennai High school, East machivayapuram	East & West Namachiyapuram	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025909
								Evacuation	Assistant Engineer	9445190409
								Food & Drinking water	Assistant Revenue Officer	9445190709 9445190089
								Relief Materials & Drinking water	Assistant Engineer	9445190418
3	110	100	Chennai High School, Appawamy Street	Harrington 5 th avenue	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025910
								Evacuation	Assistant Engineer	9445190410
								Food & Drinking water	Assistant Revenue Officer	9445190709 9445190089
								Relief Materials & Drinking water	Assistant Engineer	9445190410

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer incharge (Designation)	Contact No.
4	111	850	ICDS Centre , Greams road, Thideer nagar, Chennai High School at Model School Road, Chennai Middle School at Model School Road, Community Hall at Model School Road, Jain Kalyana Mandapam, Kammalar street, Greams road CSI Primary School, Ramasamy street, Greams Road local Library Building, Annasalai	Thideer Nagar, Makese garden, Rangoon street, river side	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025911
								Evacuation	Assistant Engineer	9445190411
								Food & Drinking water	Assistant Revenue Officer	9445190709 9445190089
								Relief Materials & Drinking water	Assistant Engineer	9445190411
5	121	250	Queen Mary's College	Ganesapuram	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025921
								Evacuation	Assistant Engineer	9445190421
								Food & Drinking water	Assistant Revenue Officer	9445190089
								Relief Materials & Drinking water	Assistant Engineer	9445190421

Subways

There are three subways in Teynampet zone. The electrical pumps (4HP-2 & 3HP-1) and diesel pumps (5HP -6) are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

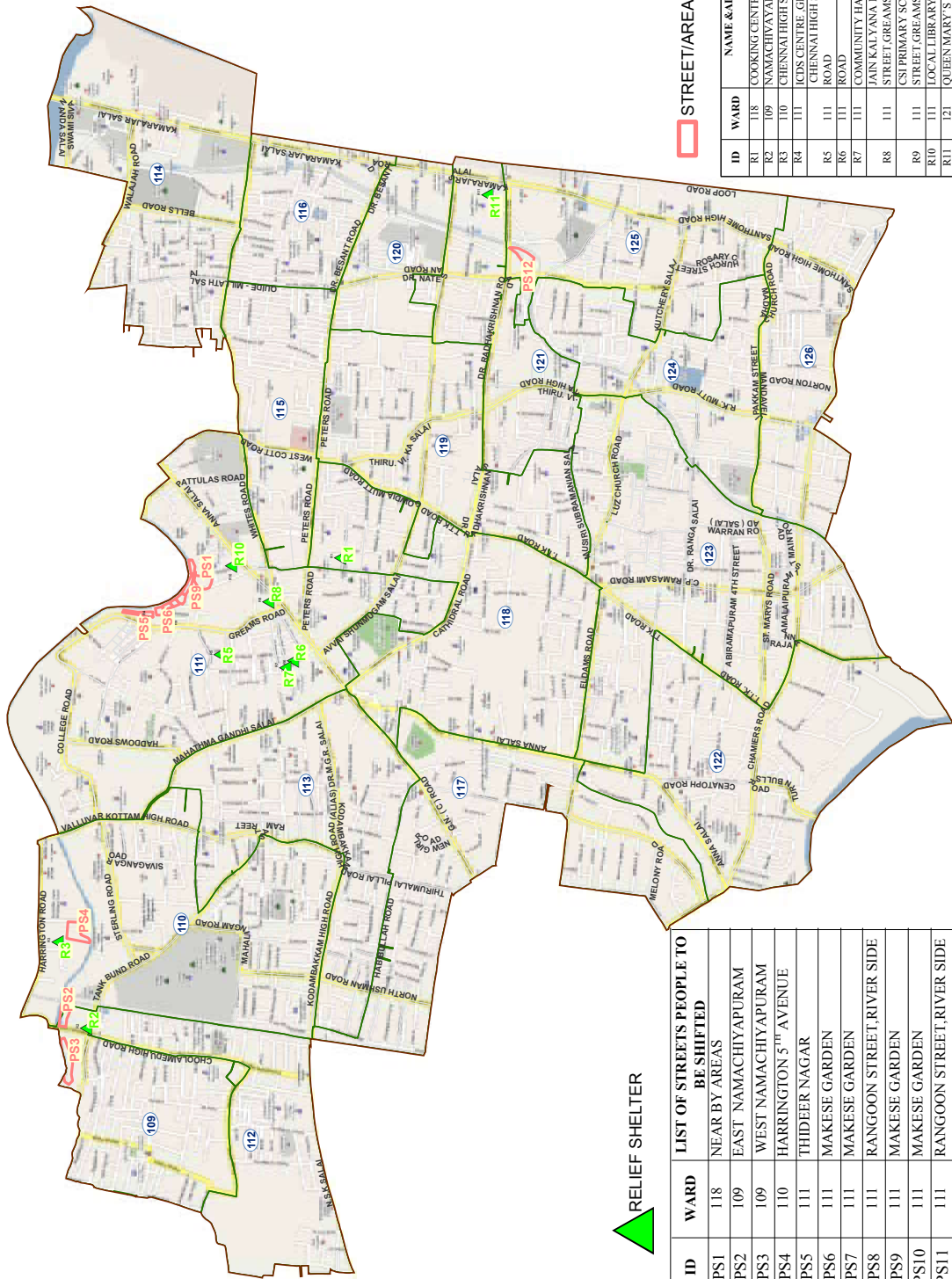
Sl. No.	Name	Length of the subway	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward - 109 Nungambakkam Subway	250	SWD	9 Nos -5HP
2	Ward -114 Uzhaipalar Statue (Pedestrian Subway)	20m	Service Road (Sand Area)	2 Nos – 5HP
3	Ward 116 Kannagi Statue (Pedestrian Subway)	20m	Service Road (Sand Area)	1 No – 3HP (Electrical Motor)

Tree fall

During the last monsoon, in Teynampet zone totally 66 tree/branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward	Name of the Streets
1	112	Trustpuram 1 st to 10 th Streets, Sowrastra Nagar
2	113	Kodambakkam High Road, Periyar Street, Josier Street, Habibullah Road
3	117	South Boag Road, G.N.Chetty Road, Thirumalai (P) Road, Thanickachalam Road
4	122	Nandanam Extn 1 st to 10 th Streets, Seethammal Colony, Seethammal Colony Extn, K.B.Dasan Road
5	114	Mayor Chittibabu Street, Walaja Road, Sivananda Salai
6	115	Soorappa Street
7	116	B.V. Naicken Street, T.P. Koil Street, Dr.Besant Road.
8	120	Illoyds Colony, V.R. Pillai Street, Natesan Road
9	121	V.M.Street, Royapettah Road, P.S.Sivaswami Salai
10	125	Santhome High Road, Kutcheri Road
11	123	Seethammal Main Road, Eldoms Road, C.P.Ram,aswamy Road, Dr.Ranga Road, R.A.Puram 1 st & 2 nd Main Road, St.Mary's Road
12	124	Kutcheri Road, R.K.Mutt Road, Rakkiappan Street
13	109	Namachivayapuram, Gill Nagar, Nelson Manickam Road in Dn

ZONE IX EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

ID	WARD	NAME & ADDRESS OF RELIEF CENTRES
R1	118	COOKING CENTRE, GOBALA PURAM
R2	109	NAMACHIVAYAPURAM
R3	110	CHENNAI HIGH SCHOOL, APPAWAMY STREET
R4	111	ICDS CENTRE, GREAMS ROAD, THIDEER NAGAR, ROAD
R5	111	CHENNAI HIGH SCHOOL AT MODEL SCHOOL, ROAD
R6	111	COMMUNITY HALL AT MODEL SCHOOL, ROAD
R7	111	JAIN KALYANA MANDAPAM, KAMMALAR STREET, GREAMS ROAD
R8	111	CSI PRIMARY SCHOOL, RAMASAMY STREET, GREAMS ROAD
R9	111	LOCAL LIBRARY BUILDING, ANNA SALAI
R10	111	QUEEN MARY'S COLLEGE

ID	WARD	LIST OF STREETS PEOPLE TO BE SHIFTED
PS1	118	NEAR BY AREAS
PS2	109	EAST NAMACHIVAYAPURAM
PS3	109	WEST NAMACHIVAYAPURAM
PS4	110	HARRINGTON 5 TH AVENUE
PS5	111	THIDEER NAGAR
PS6	111	MAKESE GARDEN
PS7	111	MAKESE GARDEN
PS8	111	RANGOON STREET, RIVER SIDE
PS9	111	MAKESE GARDEN
PS10	111	MAKESE GARDEN
PS11	111	RANGOON STREET, RIVER SIDE
PS12	121	GANESAPURAM

▲ RELIEF SHELTER

Sl.No.	Ward	Name of the Streets
14	110	School Road, Lake Area, Lakshmpuram, Kodambakkam High Road, 70ft Scheme Road
15	111	College Road, Greams Road, Modal School Road, Peters Road, Conron Smith Road, Pattulas Road, Whites Road, Aziz Mulk Street
16	118	Binny Road, Poes Garden, Kasthuri Rangon Road, Murreys Gate Road, Varatharajapuram, Rathinam Street, Besant Road,
17	119	Avvai Shanmugam Salai, C.I.T.Colony, V.M.Street

Streets -water entered houses - do not require evacuation

During the last monsson, 28 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 28 locations were inundated for more than a day by which the normal day to day activity of 4,310 people were standstilled. Flood water from these areas were cleared by using 32 pumps ranging from 5 HP to 30 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	113 - Nakkeran Nagar	Habibullah Road, Gangaikaraipuram, G.N.Chetty Road, Kodambakkam High road, Prakasam Street
2	117-Sathyamoorthy nagar	South Bogh Road, North Bogh Road, Thomas Road, North Giriappa Road, G.N.Chetty Road, Thirumalai (P) Road
3	122 - Alwarpet	Pughs Road, Dr.Radhakrishnapuram, Ganeshpuram, Tank bund Road
4	109 - Choolaimedu	Namachivayapuram in Dn -109
5	123- Beemanpet	R.A.Puram 1 st to 7 th Streets, Seethammal Road, Seethamal Main road, Seethammal 1 st Main Road, Seethammal 2 nd Main Road
6	111 – Thousand Light	Makkies Garden, Rangoon Street, Thideer Nagar
7	110 - Kosimani Nagar	Appaswamy Street
8	112 -Pulyur	Nehru Street, Subethar Garden
9	119 - Azat Nagar	Avvai Shanmugam Salai, Avvai Shanmugam Salai 1 st Lane, P.S.Sivswamy Street, Lakshmpuram 2 nd street

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Teynampet zone 18,530 people were evacuated from below streets and they were accommodated in relief center are given below. They were provided with basic amenities like accommodation, food and relief materials for 25 days. The details and location of relief centres are given below.

Sl. No.	ward /Name	Streets	No. of persons	Years	Relief centre
1	113 Nakkeran Nagar	Habibullah Road, Gangaikaraipuram, G.N.Chetty Road, Kodambakkam High road, Prakasam Street	1050	2015	Chennai Middle School Rama Street
2	117 Sathyamoorthy nagar	South Bogh Road, North Bogh Road, Thomas Road, North Giriappa Road, G.N.Chetty Road, Thirumalai (P) Road	1520	2015	Community Centre at Giriappa Road
3	122 Alwarpet	Pughs Road, Dr.Radhakrishnapuram, Ganeshpuram, Tank bund Road	2500	2015	Community Centre at K.B.Dasn Rosd
4	125 Santhome	Ekambaram Street	200	2015	Chennai Middle School at Prof. Sanjeev Street
5	114 Chepauk	Lock Nagar	250	2015	Chennai Middle School – Bangaru Street
6	115 Ameer Mahal	Jaane Jahan Khan 1 st street	270	2015	Chennai Middle School – Soorappa Street
7	116 Triplicane	Mattan Kuppam - Canal Street	265	2015	Chennai Middle School – Venkatrangam Street
8	120 Krishnamapet	Hanumanthapuram	350	2015	Chennai Girls High School – Irusappan Street
9	121 Vivekananda Nagar	Ganesapuram North, Ganesapuram South, Balakrishna Street ,	375	2015	Savithri Ammal Oriental school & Chennai High School, V.P.Koil street

Sl. No.	ward /Name	Streets	No. of persons	Years	Relief centre
10	109 Choolaimedu	Namachivayapuram	1800	2015	East Namachivayapuram at Chennai Primary School
11	123 Beemanpet	R.A.Puram 1 st to 7 th Streets, Seethammal Road, Seethammal Main road, Seethammal 1 st Main Road, Seethammal 2 nd Main Road	2680	2015	C.P.Ramaswamy Salai at Community Hall
12	111 Thousand Light	Makkies Garden, Thideer Nagar, Rangoon Street	3600	2015	Modal School Road at Chennai High School
13	110 Kosimani Nagar	AppaSwamy Street	300	2015	Appaswamy Street at Chennai Middle School
14	119 Azat Nagar	Avvai Shanmugam Salai, Avvai Shanmugam Salai 1 st Lane, P.S.Sivswamy Street, Lakshmipuram 2 nd street	3400	2015	Balaji Nagar 3 rd Street at Chennai Middle School
		Total	18530		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward No	Contact person	
		Designation	Phone number
1	109 to 126	Additional divisional Engineer (Zone)	9445190049
2	109 to 126	Divisional Engineer (HQ)	9445190754
3	118,123	Junior Engineer	9445190943

Sl. No.	124,125,126	Contact person	
		111,119,121	Phone number
4	124,125,126	Junior Engineer	9445190941
5	111,119,121	Junior Engineer	9445190916
6	110,113	Junior Engineer	9445190942
7	109,112	Junior Engineer	9445477694
8	114,115,116,120	Junior Engineer	9445191452

National Disaster Response Force (NDRF)

In Teynapet zone, the NDRF to be stationed locations are given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	109	Thiruvengatapuram main rd
2	119	Balaji nagar 3 rd street, Royapettah, Chennai-600014

The Commandant
 04, Battalion(NDRF)
 Suraksha Campus
 Takkolam, Arakkonam
 Vellore District – 631 152
 Phone No. 04177 – 246594/246269

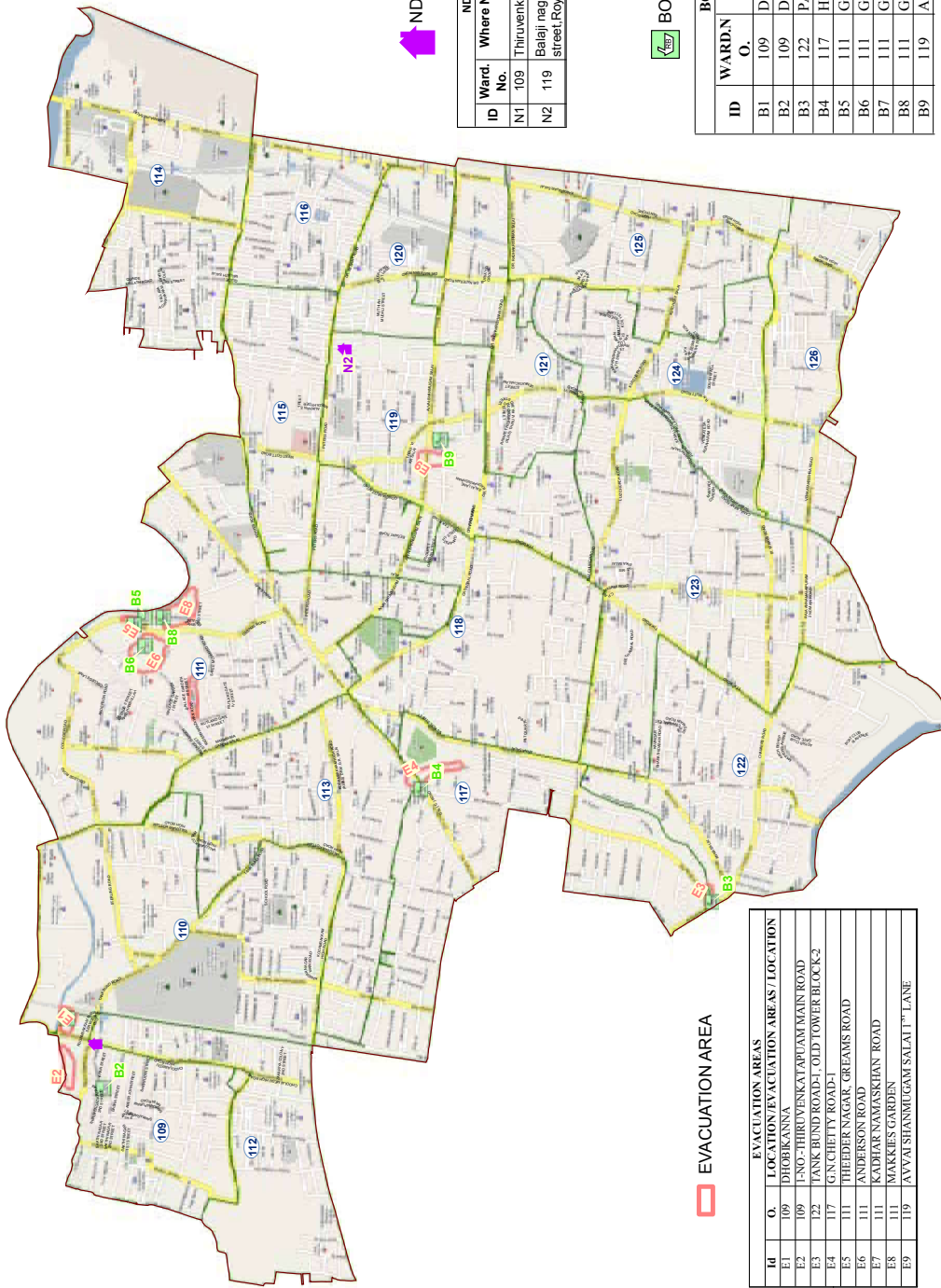
Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	Ward. No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact No
1.	109	1-no.-West Namachivayapuram-Dhobikanna	Dhobikanna	Assistant Engineer 9445190409
2.	109	1-no.-Thiruvekatapuam main road	Dhobikanna	Assistant Engineer 9445190409
3	122	Tank Bund Road-1, Old Tower Block-2	Pasumpon Muthu Ramalinga Devar Street	Assistant Engineer 9445190422
4	117	G.N.Chetty Road-1	Habibullah Road jn	Assistant Engineer 9445190417
5	111	Theeder nagar, Greams Road	Greams Road	Assistant Engineer 9445190411
6	111	Anderson Road	Greams Road	Assistant Engineer 9445190411
7	111	Kadhar namaskhan Road	Greams Road	Assistant Engineer 9445190411
8	111	Makkies garden	Greams Road	Assistant Engineer 9445190411
9	119	Avvai shanmugam salai 1st lane	Avvai shanmugam salai	Assistant Engineer 9445190419



ZONE IX NDRF TEAMS & BOAT LOCATIONS



NDRF TEAM	
ID	Ward. No. Where NDRF to be stationed and deployed
N1	Thiruvankatapuram main rd
N2	Balaji nagar 3 rd street, Royapettah, Chennai-600014

BOAT LOCATION

BOATS	
ID	WARD, N O. BOATS STATIONED LOCATION
B1	109 DHOBKANNA
B2	109 DHOBKANNA
B3	122 PASUMPON MUTHU
B4	117 HABIBULLAH ROAD JN
B5	111 GREAMS ROAD
B6	111 GREAMS ROAD
B7	111 GREAMS ROAD
B8	111 GREAMS ROAD
B9	119 AVVAI SHANNMUGAM

EVACUATION AREA

EVACUATION AREAS	
ID	LOCATION, EVACUATION AREAS / LOCATION
E1	BHOBIKANN
E2	PANJ THIRUVENKATAPURAM ROAD
E3	PANK BUND ROAD-1, OLD TOWER BLOCK-2
E4	GN CHETTY ROAD-1
E5	THEEBER NAGAR, GREAMS ROAD
E6	ANDERSON ROAD
E7	KADHAK NAWASKHAN ROAD
E8	MARKEES GARDEN
E9	AVVAI SHANNMUGAM SALATI LANE

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 7 debris lorries, 5 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in the zone is given below

No. of lorries and type kept in readiness	
Debris lorry	- 8 Nos
Skid steer loaders (Bob cat)	- 4 Nos
(Front end loader) JCB	- 1No

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190495	1	5	7	4

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

SI.No	ward /Name	Street Names
1	Zone-9	NIL

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 109 Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190409
GCC - Electrical	Assistant Engineer	9445190942
GCC- Health	Sanitary Inspector	9445025910
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190609
GCC - Revenue	Tax Collector	9840258713
Revenue	Revenue Inspector	9444299152
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930109
TANGEDCO	Junior Engineer	9444184421
BSNL	Assistant Engineer	9444933222
Fire service	Inspector	9840743100
Police station	Inspector	9498136946
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9444612219
Highways	Divisional Engineer	044 23635123

Ward committee - 110**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190410
GCC - Electrical	Assistant Engineer	9445190942
GCC- Health	Sanitary Inspector	9445025910
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190610
GCC - Revenue	Tax Collector	9840552973
Revenue	Revenue Inspector	9677247073
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930110
TANGEDCO	Junior Engineer	9445950297
BSNL	Assistant Engineer	9444933222
Fire service	Inspector	9840743100
Police station	Inspector	9442641913
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	9894576761
Highways	Divisional Engineer	9080141819

Ward committee - 111**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190411
GCC - Electrical	Assistant Engineer	9445190916
GCC- Health	Sanitary Inspector	9445025911
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190611
GCC - Revenue	Tax Collector	9884804510, 9176134900
Revenue	Revenue Inspector	8838688805
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930118
TANGEDCO	Junior Engineer	9445850758, 9445850759 9445850760
BSNL	Assistant Engineer	9444056413
Fire service	Inspector	9840743100
Police station	Inspector	9940652990
PWD	Assistant Engineer	9884219380
TNSCB	Assistant Engineer	7845667415
Highways	Divisional Engineer	9789965555

Ward committee – 112**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190412
GCC - Electrical	Assistant Engineer	9445477694
GCC- Health	Sanitary Inspector	9445025912
GCC - Veterinary	Veterinary Assistant Surgeon	9445025913
GCC - Solid waste management	Conservancy Inspector	9445190612
GCC - Revenue	Tax Collector	7200338299
Revenue	Revenue Inspector	9444299152
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930112
TANGEDCO	Junior Engineer	9445850213 9445850215
BSNL	Assistant Engineer	9445017081
Fire service	Inspector	9944508412
Police station	Inspector	9840864764
PWD	Assistant Engineer	044-28523007
TNSCB	Assistant Engineer	9095146146
Highways	Divisional Engineer	044-24330008 28525351

Ward committee - 113**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190413
GCC - Electrical	Assistant Engineer	9445190942
GCC- Health	Sanitary Inspector	9445025912
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190613
GCC - Revenue	Tax Collector	9710680940
Revenue	Revenue Inspector	9840258713
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930113
TANGEDCO	Junior Engineer	9445850756
BSNL	Assistant Engineer	9444970157
Fire service	Inspector	9498129629
Police station	Inspector	9894641919
PWD	Assistant Engineer	9498129626
TNSCB	Assistant Engineer	9498126850
Highways	Divisional Engineer	044 – 28525351

Ward committee - 114**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190414
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9080306614
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190614
GCC - Revenue	Tax Collector	9382171451
Revenue	Revenue Inspector	9003011922
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930114
TANGEDCO	Junior Engineer	9445850703
BSNL	Assistant Engineer	9445035599
Fire service	Inspector	9498129626
Police station	Inspector	9498127127
PWD	Assistant Engineer	044 – 28525351
TNSCB	Assistant Engineer	044 – 28441430
Highways	Divisional Engineer	044 – 23635123

Ward committee - 115**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190415
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9080306614
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746, 8682997846
GCC - Solid waste management	Conservancy Inspector	9445190615
GCC - Revenue	Tax Collector	9841896119
Revenue	Revenue Inspector	7845187905
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930120
TANGEDCO	Junior Engineer	9445850755
BSNL	Assistant Engineer	044-28605200
Fire service	Inspector	9498129626
Police station	Inspector	9498113890
PWD	Assistant Engineer	044-28523007
TNSCB	Assistant Engineer	8838403494
Highways	Divisional Engineer	044-23635123

Ward committee - 116
Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190416
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9445025915
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190615
GCC - Revenue	Tax Collector	9884375691
Revenue	Revenue Inspector	9444339144
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930116
TANGEDCO	Junior Engineer	9445850752
BSNL	Assistant Engineer	044 – 28605200
Fire service	Inspector	9498129626
Police station	Inspector	9498126052
PWD	Assistant Engineer	044 – 28525351
TNSCB	Assistant Engineer	9444123957
Highways	Divisional Engineer	044 – 23635123

Ward committee – 117
Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190417
GCC - Electrical	Assistant Engineer	9445191492
GCC- Health	Sanitary Inspector	9445825922
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190617
GCC - Revenue	Tax Collector	9710093655
Revenue	Revenue Inspector	9445190709
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930117
TANGEDCO	Junior Engineer	9445850764, 9445850765 9445850763, 9445850756
BSNL	Assistant Engineer	9444975200
Fire service	Inspector	9445086045
Police station	Inspector	9498143421, 9498143386
PWD	Assistant Engineer	9840624481
TNSCB	Assistant Engineer	9486543733
Highways	Divisional Engineer	9789965555

Ward committee - 118**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190418
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9445025921
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190618
GCC - Revenue	Tax Collector	9841429704
Revenue	Revenue Inspector	9444379899
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930118
TANGEDCO	Junior Engineer	9445850773
BSNL	Assistant Engineer	9444377799
Fire service	Inspector	9445086048
Police station	Inspector	9498143421
PWD	Assistant Engineer	9840624481
TNSCB	Assistant Engineer	9842182553
Highways	Divisional Engineer	044 – 23637008

Ward committee - 119**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190419
GCC - Electrical	Assistant Engineer	9445190916
GCC- Health	Sanitary Inspector	9445025919
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190619
GCC - Revenue	Tax Collector	9042365309
Revenue	Revenue Inspector	9087178677
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930119
TANGEDCO	Junior Engineer	9445850751
BSNL	Assistant Engineer	9444979329
Fire service	Inspector	9445086047
Police station	Inspector	7904639011
PWD	Assistant Engineer	044 – 28410402
TNSCB	Assistant Engineer	8838403494
Highways	Divisional Engineer	044 – 23635123

Ward committee - 120**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190420
GCC - Electrical	Assistant Engineer	9445191521
GCC- Health	Sanitary Inspector	9445025920
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190620
GCC - Revenue	Tax Collector	9444442278
Revenue	Revenue Inspector	7845187905
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930120
TANGEDCO	Junior Engineer	9445850753
BSNL	Assistant Engineer	044 – 28605200
Fire service	Inspector	9445086047
Police station	Inspector	9840450400
PWD	Assistant Engineer	044 – 2852351
TNSCB	Assistant Engineer	044 – 28441430
Highways	Divisional Engineer	044 – 23635123

Ward committee - 121**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190421
GCC - Electrical	Assistant Engineer	9445190916
GCC- Health	Sanitary Inspector	8825640520
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	8637496456
GCC - Revenue	Tax Collector	8124554242
Revenue	Revenue Inspector	9003011922
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930121
TANGEDCO	Junior Engineer	9445850742
BSNL	Assistant Engineer	9444377799
Fire service	Inspector	9445086047
Police station	Inspector	9498126549
PWD	Assistant Engineer	044 – 28525351
TNSCB	Assistant Engineer	044 – 28441430
Highways	Divisional Engineer	044 – 23635123

Ward committee - 122**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190422
GCC - Electrical	Assistant Engineer	9445191492
GCC- Health	Sanitary Inspector	9445025922
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190622
GCC - Revenue	Tax Collector	9080728941
Revenue	Revenue Inspector	9962024401
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930122
TANGEDCO	Junior Engineer	9445820772
BSNL	Assistant Engineer	9444918877
Fire service	Inspector	9445086048
Police station	Inspector	9498143421
PWD	Assistant Engineer	044 – 28525351
TNSCB	Assistant Engineer	9894576761
Highways	Divisional Engineer	044 – 23635123

Ward committee - 123**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190423
GCC - Electrical	Assistant Engineer	9445190943
GCC- Health	Sanitary Inspector	9445025923
GCC - Veterinary	Veterinary Assistant Surgeon	9445190913
GCC - Solid waste management	Conservancy Inspector	9445190623
GCC - Revenue	Tax Collector	988701988
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930123
TANGEDCO	Junior Engineer	9445850743, 9445850744, 9445850773
BSNL	Assistant Engineer	9444979329
Fire service	Inspector	9445086048
Police station	Inspector	9498126549, 9498195919, 9840223452
PWD	Assistant Engineer	9444487385
TNSCB	Assistant Engineer	9444015401
Highways	Divisional Engineer	044 – 23635123

Ward committee - 124**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190424
GCC - Electrical	Assistant Engineer	9445190941
GCC- Health	Sanitary Inspector	9445025922
GCC - Veterinary	Veterinary Assistant Surgeon	9445190689
GCC - Solid waste management	Conservancy Inspector	9445190624
GCC - Revenue	Tax Collector	9884701988
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930124
TANGEDCO	Junior Engineer	9445850749
BSNL	Assistant Engineer	9444979329
Fire service	Inspector	9791290456
Police station	Inspector	044 – 23452562
PWD	Assistant Engineer	9444487385
TNSCB	Assistant Engineer	9444123957
Highways	Divisional Engineer	044 – 23635123

Ward committee – 125**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190425
GCC - Electrical	Assistant Engineer	9445190941
GCC- Health	Sanitary Inspector	9445025922
GCC - Veterinary	Veterinary Assistant Surgeon	9445190689
GCC - Solid waste management	Conservancy Inspector	9445190625
GCC - Revenue	Tax Collector	9381203115
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930125
TANGEDCO	Junior Engineer	9445850748, 9445850741, 9445850746
BSNL	Assistant Engineer	9444377799
Fire service	Inspector	9445086047
Police station	Inspector	9498179971
PWD	Assistant Engineer	9444487385
TNSCB	Assistant Engineer	9484063099
Highways	Divisional Engineer	044 – 23635123

Ward committee - 126**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190426
GCC - Electrical	Assistant Engineer	9445190941
GCC- Health	Sanitary Inspector	9445025925
GCC - Veterinary	Veterinary Assistant Surgeon	9445190689
GCC - Solid waste management	Conservancy Inspector	9445190625
GCC - Revenue	Tax Collector	9884498321
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930126
TANGEDCO	Junior Engineer	9445850741, 9445850746, 9445850746
BSNL	Assistant Engineer	9445010819
Fire service	Inspector	9791290456
Police station	Inspector	044 – 23452575
PWD	Assistant Engineer	9444487385
TNSCB	Assistant Engineer	9445074843, 9445074844
Highways	Divisional Engineer	044 – 23635123

ZONE - X

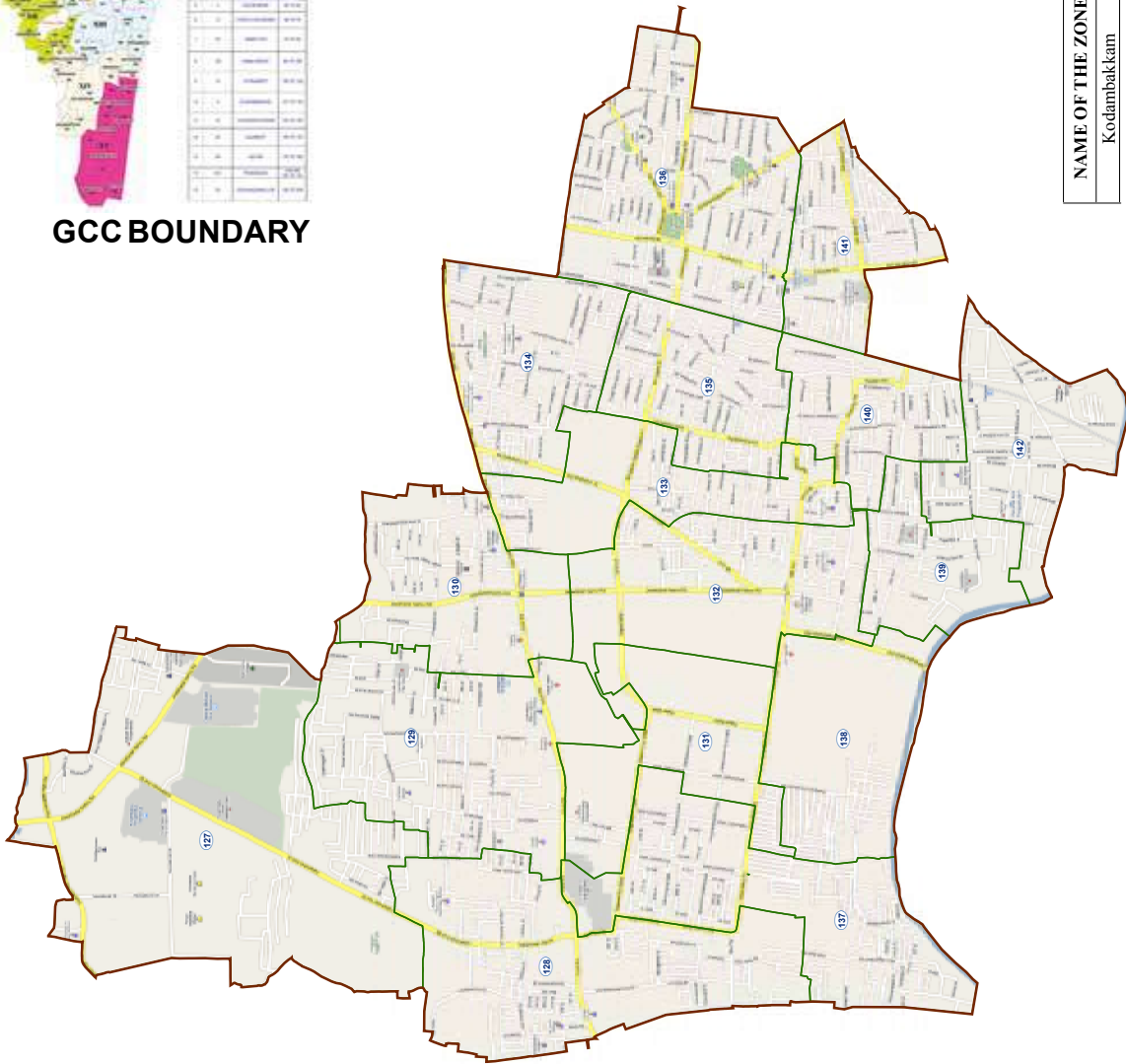
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ZONE X - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Kodambakkam	127 TO 142

Profile

The Kodambakkam zone lies in **Latitude** 13.0481°, Longitude **80.2267°** and covering an area of **22.40 Sq.km**.

There are 2409 roads, out of which 2,314 roads to a length of 394.33 km are Interior Roads, 89 Roads to a length of 47.59 Km are Bus Route Roads which are maintained by GCC and the balance 6 roads are under the maintenance of Highways Department.

The population is about 6.71 lakhs having Male population of 50.41% and Female population of 49.59 %. In this zone, the most densed area is ward 138 with a population of 59,900 and the least is ward 137 with a population of 47,620. The Ward wise population are listed below,

Sl.No.	Ward No/Name	Total House Holds	Total Population
1	127/Koyambedu	14306	57224
2	128/Virugambakkam	14125	56500
3	129/Saligramam	14491	57964
4	130/Vadapalani	14958	59832
5	131/ K.K.Nagar	14125	56500
6	132/Ashok Nagar	13675	54700
7	133/ Ram Colony	14233	56932
8	134/ Kodambakkam	13156	52624
9	135/ThambaiiahRaod	12784	51136
10	136/ T.Nagar	14055	56220
11	137/ K.K.Nagar	11905	47620
12	138/Jafferkhanpet	14975	59900
13	139/R.R.Colony	13423	53692
14	140/Saidapet	12377	49508
15	141/V.O.C.Nagar	14399	57596
16	142/ Saidapet	12911	51647
	TOTAL	219898	879595

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by Two Executive Engineers, Two Assistant Revenue Officers and one Zonal Health officer. They are equipped with supporting sub-ordinate staff. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them. The Zonal officer contact number is below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	127 to 142	9445190010

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	127 to 130 & 132 to 135	9445190030
2	Executive Engineer-2	131, 136 to 142	9445190466
3	Assistant Executive Engineer	U-28	9445190128
4	Assistant Executive Engineer	U-29	9445190129
5	Assistant Executive Engineer	U-30	9445190130
6	Assistant Executive Engineer	U-31	9445190131
7	Additional Divisional Engineer, Electrical	127 to 142	9445190050
8	Assistant Executive Engineer, Mechanical	127 to 142	9445190489

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	Unit - 28 131,137,138,139	9445191428
2.	Conservany supervisor	Unit -29 127,128,129,130	9445191429
3.	Conservany supervisor	Unit -30 136,140,141,142	9445191430
4.	Conservany supervisor	Unit -31 132,133,134,135	9445191431

Public Health & Disease Control

The Public Health department at Zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners..

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Sanitary Inspectors, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staffs to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone X	9445190070
2	Veterinary Surgeon	Zone X	9445026045
3	Junior Entomologist	Zone	9962371157
4	Sanitary Officer	U-28	9445190468
5	Sanitary Officer	U-29	9445190469
6	Sanitary Officer	U-30	9445190470
7	Sanitary Officer	U-31	9445025471

Parks

There are 52 Parks available in Koyembedu, Virugambakkam, Saligramam, K.K.Nagar, Ahok Nagar, T.Nagar and Kodambakkam. These parks are serve as buffer Zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone are given below,

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445194751	8Nos - Power Saw (petrol engine Motorised), 8-Stick saw (Manual)	Kodambakkam & Vadapalani Koyambedu, T.Nagar & K.K.Nagar

S.No	Ward No	Ward Name	Name / Location of the Park
1	127	Koyambedu	SAF Games Village (12 Parks), Natesan Nagar Park, Jai Nagar Park
2	128	Virugambakkam	Annaji Nagar 2nd Main Road, Lambert Nagar II Main Road
3	129	Saligaramam	Abusali Road, Arcot Road, PillaiyarKoil Street, K.R.Nagar, Bhaskar Colony, Navalur Park, Navalur Street
4	131	K.K.Nagar	P.T.RajanSalai (Sivan Park)
5	132	Ashok Nagar	1st Avenu Park, 12th Avenue, 14th Sector, 15th Sector, 53rd Street
6	134	Kodambakkam	Corporation Colony Main Road, United India Colony Park View Road,
7	136	T.Nagar	Jeeva Park, G.N.Chetty Road; Natesan Park, Venkatnarayana Road; Panagal Park, Bashyam Road
8	137	K.K.Nagar	4th Sector K.K.Nagar, 11th Sector K.K.Nagar, Errikarai Street, 12 th Sector
9	138	Jafferkhanpet	Bharathidasan Colony 5th Street, Bharathidasan Colony 6th Street
10	139	R.R.Colony	CIT Nagar 3rd Main Road
11	140	Saidapet	EllaianmanKoil Street, Kodambakkam Road (Amma Park)
12	141	V.o.c Nagar	CIT Nagar 3rd Main Road
13	142	Saidapet	West Jones Road, ThadiRathinam Street

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 24 pumping stations available in this Zone with different pumping capacity for each pumping station. These sewage pumping stations are being maintained by CMWSSB. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps	
			H P	Nos
1	Nesapakkam(Relay)	120	430	2
			215	2
			125	1
2	T.Nagar (Relay)	24	100/200	1
			175	2
			75	1
3	CIT Nagar	14	215	1
			100	1

Sl. No.	Pumping Station	Capacity MLD	No. of pumps	
			H P	Nos
4	Kodambakkam	13	100 75	2 1
5	Saidapet (Section- B)	20	150	3
6	West Arumbakkam	12.10	90 50 75	1 1 1
7	Jafferkhanpet	12	120 70	1 1
8	Saligramam	24	40 60 95 55	1 2 2 1
9	Saidapet (Section- A)	6.50	70 75	3 1
10	JaiBalaji Nagar	4.00	40 20	1 2
11	K.K Nagar (Section – B)	14.40	50	2
12	Virugambakkam	17.00	60 40	2 2
13	Ashok Nagar	4.10	12	2
14	Sathyamoorthy Block	6.90	7	3
15	Bharathidasan colony	6.90	7.5 10	1 2
16	ThiruNagar	8.00	10	3
17	Gothamedu	1.60	15 15	11
18	Kulasekarapuram	2.50	25	2
19	Gandhi Nagar	1.40	12	3
20	Alagiri Nagar	6.90	10	1
21	Abith colony	0.86	5	2
22	VOC Nagar	2.42	15 7.5	1 1
23	Annaisathya Nagar	2.00	7	2
24	SamiyarThotam	0.86	7	2
		Total		77Nos

Tamil Nadu Slum Clearance Board tenements

There are 15 TNSCB tenements in K.K.Nagar, Ashok Nagar & Saidapet with a population of 39,098. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and sewage issues inside these tenements. The respective officers may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No./Name	Tenement location	No. of tenements	Population
1	131/ K.K.Nagar	Rani Anna Nagar	1750	6600
2	131/ K.K.Nagar	Sivalingapuram	400	1600
3	132/ Ashok Nagar	Ottagapalayam	195	780
4	132/ Ashok Nagar	Pudur	4125	16000
5	133/ RamColony	Nallankuppam	456	2000
6	133/ RamColony	Ashok Nagar 10Th & 14Th Street	448	1350
7	135/ Thambaiiah Road	Brindavan Street	190	760
8	137/ K.K.Nagar	Thiruvalluvar Colony	160	640
9	139/ R.R.Colony	R.V Nagar	64	260
10	140/ Saidapet	VazhaiThoppu	328	1320
11	140 / Saidapet	AdhikesavaPerumalThottam	112	448
12	141/V.O.C.Nagar	Kamaraj Colony	365	1460
13	141/V.O.C.Nagar	Lalithapuram	112	450
14	142/Saidapet	Kothavalchavadi Slum Board	448	1790
15	142/Saidapet	Godhamedhu Slum Board	910	3640
		Total	10063	39098

Contact details

Name of the Organisation	Designation	Area	Contact No.
Conservancy/GCC	Conservancy Supervisor	U- 28	9445191428
Conservancy/GCC	Conservancy Supervisor	U-29	9445191429
Conservancy/GCC	Conservancy Supervisor	U-30	9445191430
Conservancy/GCC	Conservancy Supervisor	U-31	9445191431
Water Supply& Sewage /CMWSSB	Assistant Engineer	Area Engineer	8144930910
TNSCB	Executive Engineer	Zone 10	9445074776

Water Bodies and Waterways

There are 4 Canals , (1) Virugambakkam canal is being maintained by PWD which enters this zone through Natesan Nagar travels about 5 Km within the zone upto Vadapalani Thiru nagar and disposes at Coovam river via Choolaimedu. (2) M.G.R. canal is being maintained by GCC having a length of 1.60 km originates from Ramaswamy salai and drains water mainly from K.K.Nagar, Virugambakkam and Valasaravakkam areas to Adyar river through Chulai pallam. (3) Jafferkhanpet canal is being maintained by GCC commences from R.V.Nagar Slum Clearance Board and travels about 0.80 km and drains rainwater from saidapet and Ashok Nagar areas through Muthurangam block to Adayar river. (4) Part of Mambalam Canal is being maintained by GCC to a length of 0.90 km, are travels from venkatnarayana road to CIT Nagar main road which disposes the rain water from CIT Nagar, T.Nagar , Saidapet and part of Nungambakkam areas into Adyar river..

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure.

Storm Water Drains were constructed by GCC for a distance of 189.60 km to ease the flow of rain water. The details of various water bodies in this zone is listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length (Km)
1	Virugambakkam Canal	127, 129 & 130	Natesan nagar	Vadapalani, Thiru Nagar	5.00
2	MGR Nagar Canal	131, 138	RamasamySalai	Adyar River	1.60
3	Jafferkhan Pet Canal	139	R.V.Nagar SCB	Muthurangam Block	0.80
4	Mambalam Canal	141	Venkatnarayana Road Bridge	CIT Nagar 1st Main Road	0.90
Total					8.30

Other water bodies: River

Sl. No.	Name of the River	Wards Covered	From	To	Length of River (Km)
1	Adayar River	137, 138, 139 & 142	Khan Nagar 12th street	Saidapet Bridge	4.20

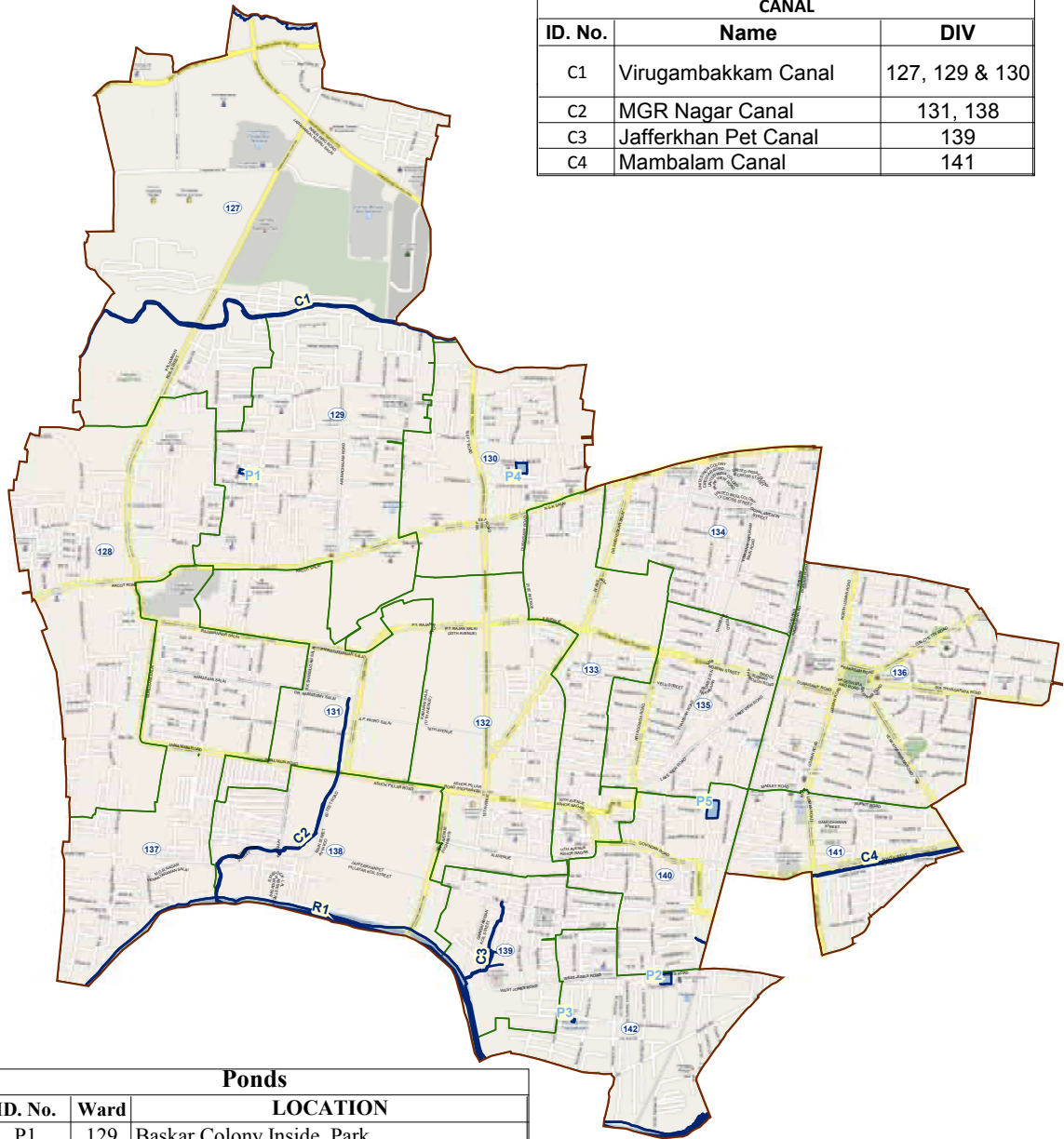
Ponds

S. No	Ward No.	Ward Name	Location	Area in M ²
1	129	Saligramam	Baskar Colony Inside Park (Pond)	1600
2	142	Saidapet	Karaneeswarar Koil inside Temple (pond)	4900
3	142	Saidapet	Perumal Koil Inside Temple (pond)	900
4	130	Vadapalani	VadapalaniMuruganOutside Temple (Pond)	4733.35
5	140	Saidapet	Ellaiammankoil inside Temple (pond)	6181.04

ZONE X - WATER BODIES



CANAL		
ID. No.	Name	DIV
C1	Virugambakkam Canal	127, 129 & 130
C2	MGR Nagar Canal	131, 138
C3	Jafferkhan Pet Canal	139
C4	Mambalam Canal	141



Ponds		
ID. No.	Ward	LOCATION
P1	129	Baskar Colony Inside Park
P2	142	Karaneeswarar Koil inside Temple
P3	142	Perumal Koil Inside Temple
P4	130	VadapalaniMuruganOutside Temple
P5	140	EllaiammanKoil inside Temple

RIVER		
ID. No.	Ward	Name of the River
R1	137, 138, 139 & 142	Adayar River

OTHER WATER BODIES
 CANAL/RIVER

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

709 storm water drains to a length of 196.70 km were constructed to ease the flow of rain water in Kodambakkam zone. The details of SWD are given below.

Sl. No.	Ward No./ Name	No. of Drains	Length in km
1	127/Koyambedu	88	23
2	128/Virugambakkam	73	14.31
3	129/Saligramam	65	15.23
4	130/Vadapalani	32	7.07
5	131/ K.K.Nagar	30	12.63
6	132/Ashok Nagar	36	15.76
7	133/ Ram Colony	44	10.13
8	134/ Kodambakkam	62	16.30
9	135/ThambaiahRaod	53	14.32
10	136/ T.Nagar	48	17.35
11	137/ K.K.Nagar	39	10.71
12	138/Jafferkhanpet	16	6.92
13	139/R.R.Colony	36	4.87
14	140/Saidapet	29	8.87
15	141/V.O.C.Nagar	30	11.08
16	142/ Saidapet	26	7.38
	Total	707	195.93

Water stagnated streets in the previous monsoon - heavy rain fall

During the last monsoon, 8 inundated vulnerable spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this zone.

The identified water stagnation and the actions taken to dispose the rain water in each location is as below.

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	127/ Koyambedu	100 feet road (junction of Kalamman Koil Street)	10H.P - 2	Kalamman Koil street	Virugambakkam Canal
2	127/ Koyambedu	Kalamman Koil Street (infront of police station)	10H.P	K10 Police Station	Highways SWD
3	127/ Koyambedu	Kalamman Koil Street (from CMWSSB STP to Sainagar annex)	10H.P	Kalamman Koil Bus Stand	Virugambakkam Canal
4	128/ Virugambakkam	Vembuliamman Koil street	10H.P	Vembuliamman Koil street	Vembuliamman Koil Swd
5	130/ Vadapalani	100 feet Road (junction of periyarpathai)	10H.P	Periyar Pathai	100 Feet Road Highway Swd
6	131/ K.K.Nagar	RajamannarSalai	2Nos of 10.H.p	Rajamannar Salai	Rajamannar Salai
7	134/ Kodambakkam	Rangarajapuram	10 H.P	Rangarajapuram	Rangarajapuram Swd
8	136/ T.Nagar	North Usman Road	3 Nos of H.P	Near Viveks & Co	Bazulla Road Swd



Ward 136, North Usman Road

Water stagnated streets in the previous monsoon 2015 -Heavy Rainfall

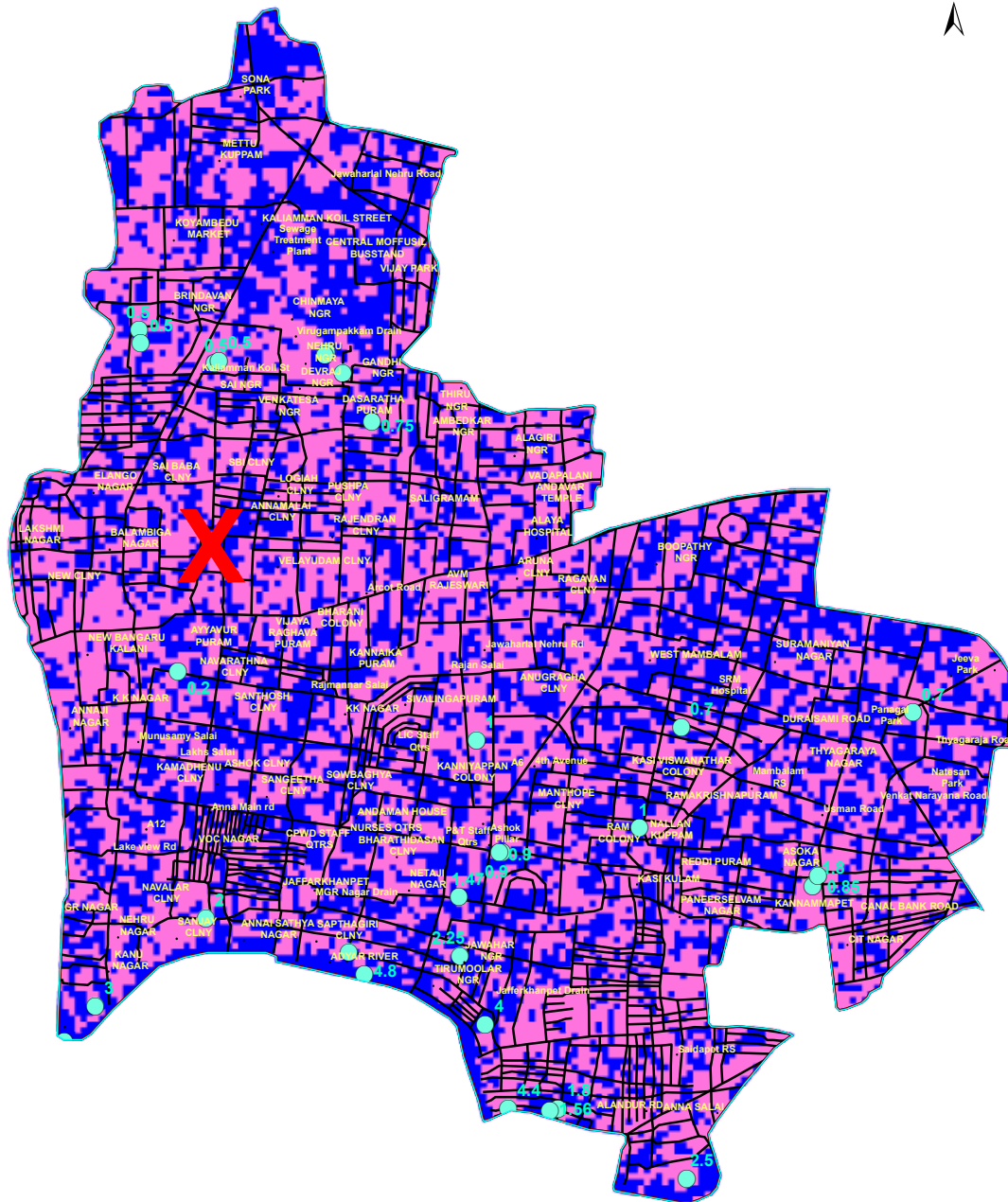
S. No	Ward/ Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	127/ Koyambedu	Kaliammankoil street	10 H.P	Kaliammankoil street	SWD
2		100 Feet Road	10 H.P	100 Feet Road	SWD
3	128 & 129	Arcot Road	2- 10 H.P	Arcot Road	SWD
4	128/ Virugambakkam	Lambet Nagar	10 H.P	Lambet Nagar	SWD
5	129/ Saligramam	K.K.Salai	5 H.P	K.K.Salai	SWD
6	130/ Vadapalani	Nerkundrum pathai east	10 H.P	Nerkundrum pathai east	SWD
7	130/ Vadapalani	Alaghiri Nagar 1st cross street	5H.P	Alaghiri Nagar 1st cross street	SWD
8	130/ Vadapalani	Kanniappa street	5 H.P	Kanniappa street	SWD
9	130/ Vadapalani	Valliammal street	10 H.P	Valliammal street	SWD
10	132/ AshokNagar	4th Avenu	-	-	Natural drain through SWD
11	132/ AshokNagar	18th Avenu & 19th Avenu	2- 10 H.P	18th Avenu & 19th Avenu	SWD
12	132/ Ashok Nagar	Kamaraj Salai	-	-	Natural drain through SWD
13	133/ Ram Colony	Postal Colony 4th street	10 H.P	Postal Colony 4th street	SWD
14	133/ Ram Colony	Postal Colony 2nd street	10 H.P	Postal Colony 2nd street	SWD

S. No	Ward/ Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
15	133/ Ram Colony	4th Avenu	-	-	Natural drain through SWD
16	133/ Ram Colony	Duraisamy Road	-	-	Natural drain through SWD
17	133/ Ram Colony	21st Avenu	-	-	Natural drain through SWD
18	134/ Kodambakkam	Rangarajapuram main road	10 H.P	Rangarajapuram main road	SWD
19	134/ Kodambakkam	Parangusapuram	10 H.P	Parangusapuram	SWD
20	134/ Kodambakkam	Aziz nagar Main road, 1st , 2nd & 3rd street	10 H.P	Aziz nagar Main road, 1st, 2nd & 3rd street	SWD
21	135/ West Mambalam	Station Road	10 H.P	Station Road	SWD
22	135/ West Mambalam	Sathyanarayanan Street	-	-	Natural drain through SWD
23	135/ West Mambalam	Lake View Road	10 H.P	Lake View Road	SWD
24	131/K.K.Nagar	R.K.Shanmugamsalai	2 - 10 H.P	R.K.Shanmugamsalai	SWD
25	131/K.K.Nagar	Sathyagarden	10 H.P	Sathyagarden	SWD
26	131/K.K.Nagar	BharaniColony	10 H.P	BharaniColony	SWD

S. No	Ward/ Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
27	137/ K.K.Nagar	Rajamannar Salai	2- 10 H.P	Rajamannar Salai	SWD
28	137/ K.K.Nagar	8th Sector	-	-	Natural drain through SWD
29	137/ K.K.Nagar	7th Sector 37th street	-	-	Natural drain through SWD
30	136/ T.Nagar	Northusman Road	3- 10 H.P	Near Viveks & Co	SWD
31	136/ T.Nagar	Thukaram Street, 1st, 2nd street	-	-	Natural drain through SWD
32	140/ Saidapet	Kodambakkam Road	-	-	Natural drain through SWD
33	141/ V.O.C. Nagar	Southusman Road	10 H.P	Southusman Road	SWD
34	141/ V.O.C. Nagar	Gopal Street	-	-	Natural drain through SWD
35	138/ Jafferkhan pet	Ambedkar Colony	2- 10 H.P	Ambedkar Colony	Bazulla Road Swd

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

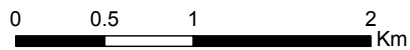
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



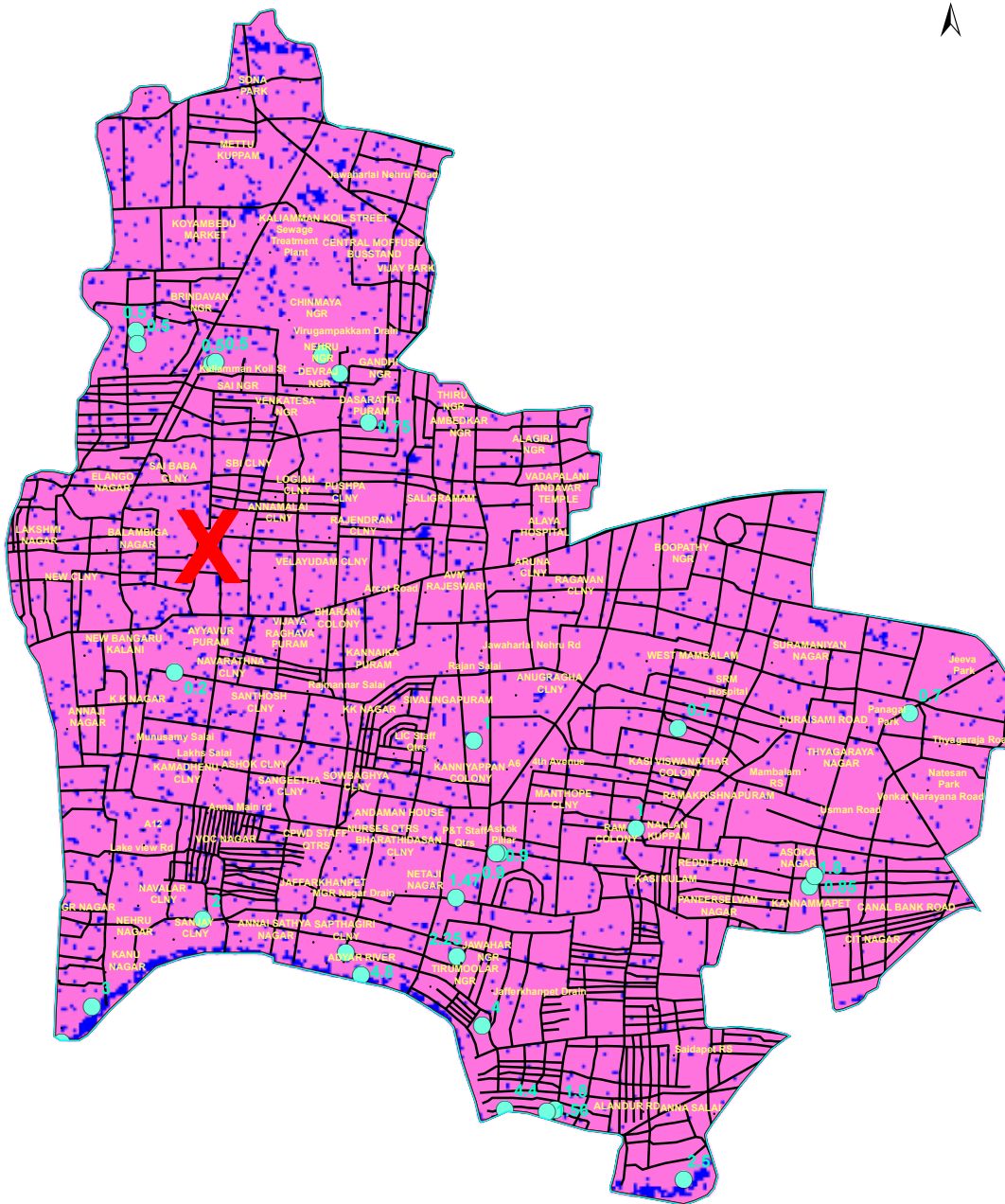
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:24,000



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



LEGEND

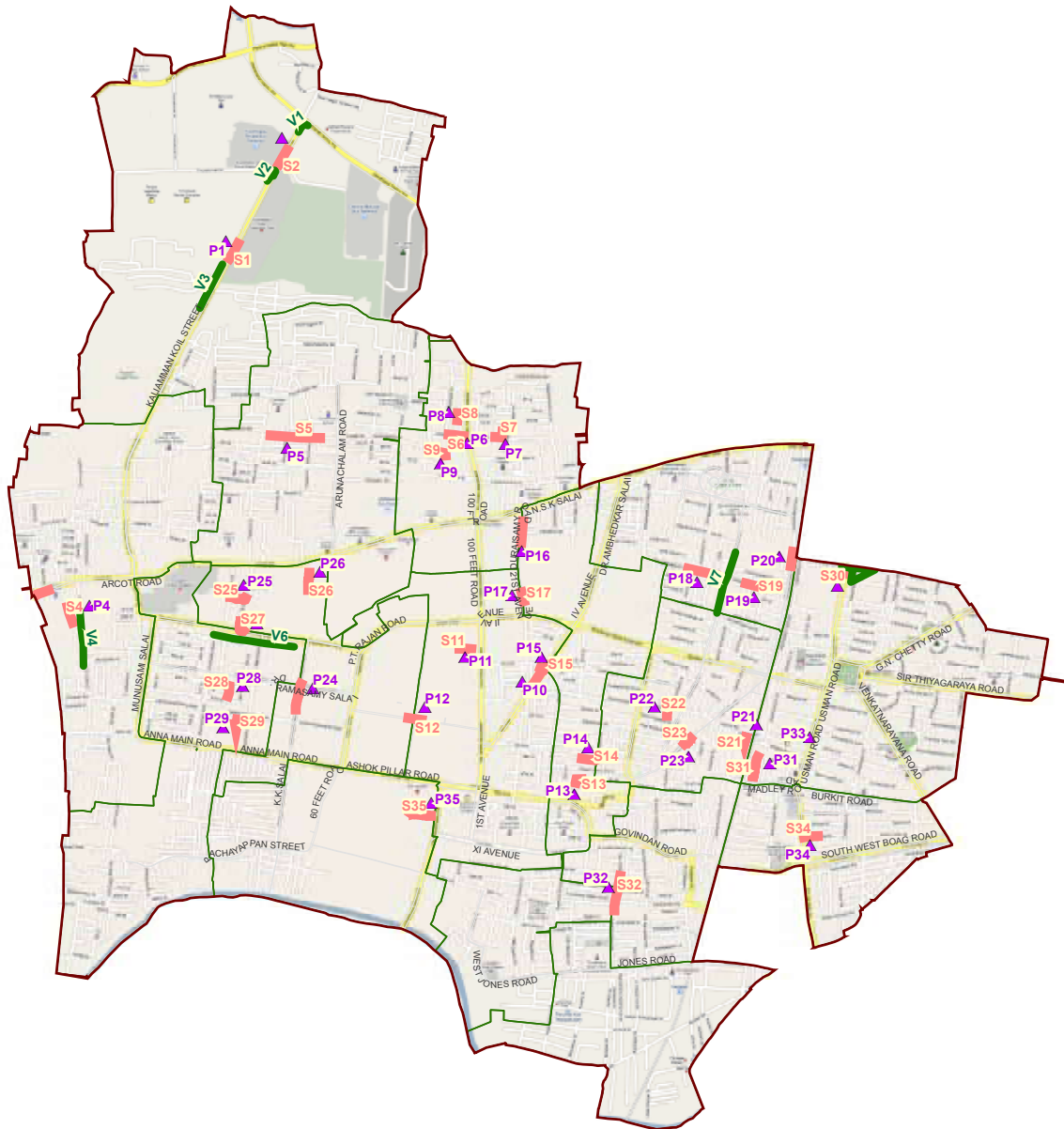
- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:24,000




ZONE X

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



 Vulnerable spots for water stagnation

 Streets where water stagnated in the previous monsoon

 Location of Diesel Pump Location

Stagnation of water in streets due to sewer blocks in 2015

Sl. No.	Ward No./ Name	Name of the Streets	No. of Man holes
1	127/ Koyambedu	Srinivasa Nagar 1 to 6, Magamma Nagar, KalammanKoil street , Sriayyappa Nagar 1 st Main Road, North Mada street Brindavan Nagar, Kumaran Nagar 3 rd Main Road, Kumaran Nagar 1 st Cross street, Natesan Nagar, Jai Nagar 2 nd Main Road, Jai Nagar 11 th street & Nerkundram Road	47
2	128/ Virugambakkam	Elango Nagar, OttaipillaiyarKoil street, AnnaiSathya Nagar, Tarachand Nagar, ThangalUvlvayil street, & Venkatesh Nagar Main Road	19
3	129/ Saligramam	Vinayagam Street, Kamaraj street, Logaiah street, Gangappan street PonniammanKoil street Majeeth Nagar , Kumaran Colony Main Road, Velayutham Street, S.S.R.Pankajam Road, Kaveri street, State Bank Colony 2 nd & 3 rd street & Mathiazhagan Nagar	57
4	130/ Vadapalani	Alagirinagar 1 st & 2 nd street, BajanaiKoil 1 st & 2 nd street, Kumaran Colony Main Road & Nerkundram Pathai East	16
6	132/ Ashok Nagar	2 nd Avenu, 4 th Avenu, 6 th Avenu, 7 th Ashok Nagar, 9 th Avenu, 10 th Avenu, 12 th Avenu, 18 th Avenu, 48 th Street & Kamaraj Salai	40
7	133/ Ram Colony	Postal Colony 3 rd Street, R.N.Nambiar Street, Mahadevan Street Ext & Ashok Nagar 15 th Street	14
8	134/ Kodambakkam	Vishwanathapuram 1 st Main Road & Rangarajapuram Main Road Near School	9
9	136/ T.Nagar	Bazulla Road, Usman Road, Ragaviah Road, G.N.Chetty Road, Rangabashyam Street, Guild street, Natesan Street, Muthu Krishnan Street, Rameshwaram Road & Lakshmi Narasimman Street	38

Sl. No.	Ward No./ Name	Name of the Streets	No. of Man holes
10	137/ K.K.Nagar	RajamannarSalai, 10 th Sector59,61,64, & 65 th street, 9 th sector,8 th Sector,7 th Sector, 4 th Sector, RamasamySalai,LakshmansamySalai, AlagirisamySalai, Kamaraj Street, Jaibalaji Nagar, Vannier Street, M.G,R Nagar Periyar Street, ChoolaiPallam& Rajiv Gandhi Nagar	60
11	138/Jafferkhanpet	SM Block GurushaveStreet,SM Block John Kennedy Street, Pari Nagar All street Bharathidasan Colony Main Road,Thiru Nagar Kabilan Street, MGR Nagar Palai Street, MGR Nagar Sanjai Gandhi Street MGR Nagar V.N.Janaki Street, MGR Nagar Palai Street &AnnaiSathya Nagar	41
12	139/ R.R.Colony	Jothiramalingam Nagar, Sarathi Nagar &Muthurangam Block	12
13	140/ Saidapet	Old MambalamRoad,Sadaiyappan Street Dhanapal Street, VazhaiThoppu Pushpavathiammal Street&Vandikaran Street	24
14	141/ V.O.C.Nagar	VaradarajanKoilstreet,South West BoagRoad,SouthDhandapani Street, MaduraiveeranKoil Street&Madley 2 nd Street	19
15	142/ Saidapet	Jayaramstreet,Narayanasamy street DuraisamyThottam,KothavalChavadi Street&Godhamedu	17
		Total	437

Relief Centres

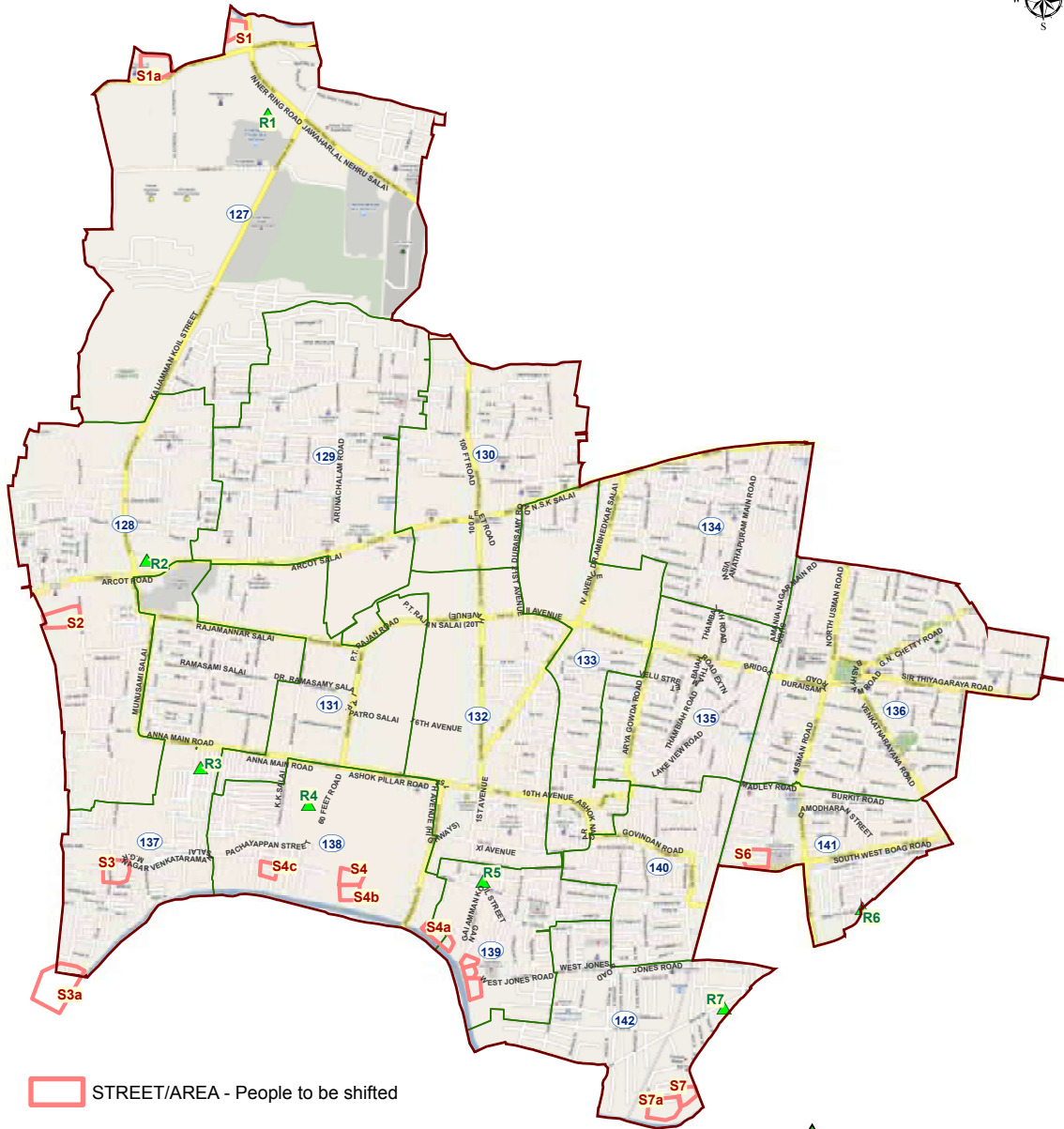
There are 7 relief centres to a total capacity of 3250 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.



Sl. No.	Ward No/ Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
1	127/ Koyambedu	500	Chennai Higher Secondary School, Koyambedu and Chennai Primary School, Koyambedu, school street	New Colony, Mettukulam	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025927
								Evacuation	Assistant Engineer	9445190427
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190427
2	128/ Virugambakkam	500	Chennai Higher Secondary School, School street, Virugambakkam	Lambert Nagar	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025928
								Evacuation	Assistant Engineer	9445190428
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190428
3	137/ K.K. Nagar	500	Chennai Middle School at Kamarajar st.	Choolai pallam, Dr.Khanu Nagar	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025940
								Evacuation	Assistant Engineer	9445190437
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190437
4	138/ Jafferkhanpet	300	Chennai Higher Secondary School govindasamy street & Chennai Primary School govindasamy street	Jaffer khanpet, Pari Nagar, Thiru Nagar, SM Block,	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9791772493
								Evacuation	Assistant Engineer	9445190438
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190438

Sl. No.	Ward No/ Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/)	Contact No.
5	139/ R.R.Colony	400	Chennai High School, Jafferkhanpet main road	Jothirama lingam Nagar, Muthurangam block & Sarathinagar	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025939
								Evacuation	Assistant Engineer	9445190439
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190439
6	141/ V.O.C. Nagar	50	Chennai High School , CIT Nagar 4 th main road	Canal Bank Road	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025941
								Evacuation	Assistant Engineer	9445190441
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190441
7	142/ Saidapet	1000	Chennai Primary School, BazaarRoad, Chennai Middle School& Chennai Girls Higher Secondary School	Thideer Nagar & Godhamedu	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025940
								Evacuation	Assistant Engineer	9445190442
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190442

ZONE X EVACUATION & RELIEF SHELTERS



Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	127	New Colony,
S1a	127	Mettukulam
S2	128	Lambert Nagar
S3	137	Choolai pallam,
S3a	137	Dr.Khanu Nagar
S4	138	Jafferkhanpet
S4a	138	Pari Nagar
S4b	138	Thiru Nagar
S4c	138	SM Block
S5	139	JothiramalingamNagar
S5a	139	Muthurangablock
S5b	139	Sarathinagar
S6	141	Canal Bank Road
S7	142	Thideer Nagar
S7a	142	Godhamedu

Relief Centres		
ID. No.	Ward	Name & Address of relief centres available
R1	127	Chennai Higher Secondary School, Koyambedu & Chennai Primary School, Koyambedu, school street
R2	128	Chennai Higher Secondary School, School street, Virugambakkam
R3	137	Chennai Middle School at Kamarajar st.
R4	138	Chennai Higher Secondary School govindasamy street & Chennai Primary School govindasamy street
R5	139	Chennai High School, Jafferkhanpet main road
R6	141	Chennai High School, CIT Nagar 4 th main road Chennai Primary School, Bazaar Road, Chennai
R7	142	Middle School & Chennai Girls Higher Secondary School

Subways

There are 5 subways in this zone namely Rangarajapuram, Madley, Duraisamy, Alandur and Jones road subways. The electrical pumps and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Location	Length in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 134 Rangarajapuram	140	Railway Border Road Storm Water Drain	12.5 HP -2 , 10HP -2 & 25 HP -2
2	Ward 135 Madley	325	Madley Service Road	25 H.P -1, 12 H.P-2 & 7.5 H.P-4
3	Ward 136 Duraisamy	289	Duraisamy Road Storm Water Drain	25 H.P -2 & 12.5 H.P-3
4	Ward 142 Alandur road	290	Alandur Road Storm Water Drain	25 H.P -1, 7.5 H.P-2 & 10.00 H.P-2
5	Ward 142 Jones road	200	Jones Road Storm Water Drain	25 H.P -1 & 7.5 H.P -6



Ward 142, Jones Road Subway

Tree fall

During the last monsoon, in this zone totally 61 tree branches/trees were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl. No.	Ward No.	Ward Name	Name of the Streets
1.	127	Koyambedu	Karumariannankoil street, Natesan Nagar, Sri ayyappanagar, SaiNagar, NorthMada street & Ragavendra Colony
2	128	Virugambakkam	Kamaraj Colony, Saibaba Colony, Udhayam Colony, Annaji Colony, Reddy Street & Thangal street
3	129	Saligramam	DasarathaPuram, Logaiya Colony , Kumaran Colony & SBI Colony
4	130	Vadapalani	Karumari Amman Koil street, Kumaran Volony, & 100 Feet Road
5	131	K.K.Nagar	Ranianna Nagar, RajamannarSalai, P.t.RajanSalai, & 6 th Sector K.K.Nagar
6	132	Ashok Nagar	4 th Avenu, 11 th Avenu, 2 nd Avenu, 15 th sector 101 th Street, & 15 th sector 104 th street
7	133	Ram Colony	12 th Avenu, Kavarai street, Karnan street , Mahadevan street & 50 TH Street Ashok Nagar
8	13	Kodambakkam	Rangarajapuram, Posal Colony, Vishwanapuram P uram & Vishwanathapuram
9	135	T h a m b a i a h Road	Posatal Colony & Kirupasankarai street
10	136	T.Nagar	Dr.Nair Road, G.N.Chetty Road, Bazulla Road, Somasundram Street, Coats Road & Ragaviah Road
11	137	K.K.Nagar	RajamannarSalai, MunusamySalai, 4 th Sector, 12 th Sector & R.K.ShanmugamSalai.
12	138	Jaffer Khan Pet	Bharathidasan Colony, & 4 th Sector
13	139	R.R.Colony	R.R.Colony
14	140	Saidapet	Rajaji street, Sambagi street & VadivelPuram
15	141	V.O.C.Nagar	C.I.T.Nagar, Canal Bank Road & Burkit Road
16	142	Saidapet	Subramani street & Jennis Road

Streets - water entered houses - do not require evacuation

During the last monsoon, 6 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 6 locations were inundated for more than a day by which the normal day to day activity of 540 people were standstilled. Flood water from these areas were cleared by using 9 pumps ranging from 5 HP & 10 HP capacity. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl. No	Ward No./Name	Streets where water enters house - not require evacuation
1	128/ Virugambakkam	VembuliammanKoil Street
2	134/ Kodambakkam	Parankusapuram Street
3	131/K.K.Nagar	RajamannarSalai
4	131/K.K.Nagar	Bharani Colony
5	140/ Saidapet	K.R.Koil street
6	141/V.O.C.Nagar	Modal House Road

Streets that require evacuation

During the heavy flood occurred last year during 2015, in this zone 2195 people were evacuated from Jaferkhanpet, Koyembedu, K.K.Nagar, Virugambakkam and Saidapet and they are accomodated in 12 Chennai Primary, Middle & Higher Secondary Schools. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below.

SI No.	Ward No./ Name	Streets	No. of persons	Years	Relief centre
1	127 Koyambedu	Kannaki Nagar , Arumbakkam	150	2015-2016	Chennai Middle School, TSD Nagar
2	127 Koyambedu	New Colony	200	2015-2016	Chennai High School, Koyambedu

SI No.	Ward No./ Name	Streets	No. of persons	Years	Relief centre
3	128 Virugambakkam	Elango Nagar, Ganapath Raj Nagar	25	2015-2016	Community Hall , KamarajSalai, Virugambakkam
4	128 Virugambakkam	AnnaiSathya Nagar	75	2015-2016	Chennai Primary School, Nesapakkam
5	137 K.K.Nagar	Choolaipallam	500	2015-2016	Chennai Middle School, Kamaraj Street
6	137 K.K.Nagar	Khau Nagar	450	2015-2016	Chennai High Secondary School, Erikkarai Street
7	138 Jafferkhanpet	Jafferkhanpet, Pari Nagar,	25	2015-2016	Chennai Primary School,,Govidasamy Street Mgr Nagar
8	138 Jafferkhanpet	Thiru Nagar , SM Block	75	2015-2016	Chennai High Secondary School, Govidasamy Street Mgr Nagar
9	139 R.R.Colony	Jothiramalingam Nagar, Muthurangam block &Sarathinagar	450	2015-2016	Chennai High School, Jafferkhanpet, Chennai
10	141 V.O.C.Nagar	Canal Bank Road	20	2015-2016	Chennai High School, C.I.T.Nagar4th Main Road
11	142 Saidapet	Thideer Nagar	125	2015-2016	Chennai Middle School, - Thideer Nagar
12	142 Saidapet	Godhamedu	100	2015-2016	Chennai Primary School, - Bazaar Road
		Total	2195		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one battery powered light available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

S.No	Ward No.	Contact person	
		Designation	Contact No.
1	131, 138, 139	Assistant Engineer	94451 91453
2	130, 134	Junior Engineer	94454 77683
3	133,135	Junior Engineer	9445091456
4	129, 132, 137	Junior Engineer	9941222906
5	127, 128	Junior Engineer	94451 91458
6	140, 142	Junior Engineer	94451 91457
7	136, 141	Lighting Inspector	9445191454
8	127 to 142	Additional Divisional Engineer (Zone)	9445190050
9	127 to 142	Divisional Engineer (HQ)	9445190754

National Disaster Response Force (NDRF)

In this zone, the NDRF to be stationed locations is given below,

SI.No.	Ward No.	Where NDRF to be stationed and deployed
1	138	Nsk Salai Corporation Mandabam to Pari Nagar
2	139	NskSalai Corporation Mandabam, Jothiramalingam Nagar, Sarathi Nagar, Muthurangam Block
3	142	Cps School at Bazzar Road to Godhamedu, &Thideer Nagar

NDRF

The Commandant
 04, Battalion(NDRF)
 Suraksha Campus
 Takkolam, Arakkonam
 Vellore District – 631 152
 Phone No. 04177 – 246594/246269



Ward 138, Pari Nagar

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl.No.	Ward No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact No
1	127	New Colony & Kulasekarapuram -1 No	Ragavendra Colony main Road	Assistant Engineer 9445190427
2	138	Annaisathya Nagar, Pari Nagar- 2 No	VM Balakrishnana Street	Assistant Engineer 9445190438
3	139	Jothiramalingam Nagar , Sarathinagar & Muthurangan Block -6 Nos	Ragavareddi colony	Assistant Engineer 9445190439
4	141	C.I.T.Nagar 1st Main Road -1 No	C.I.T.Nagar 4 th Main Road	Assistant Engineer 9445190441
5	142	Godhamedu -3 Nos	Godhamedu	Assistant Engineer 9445190442

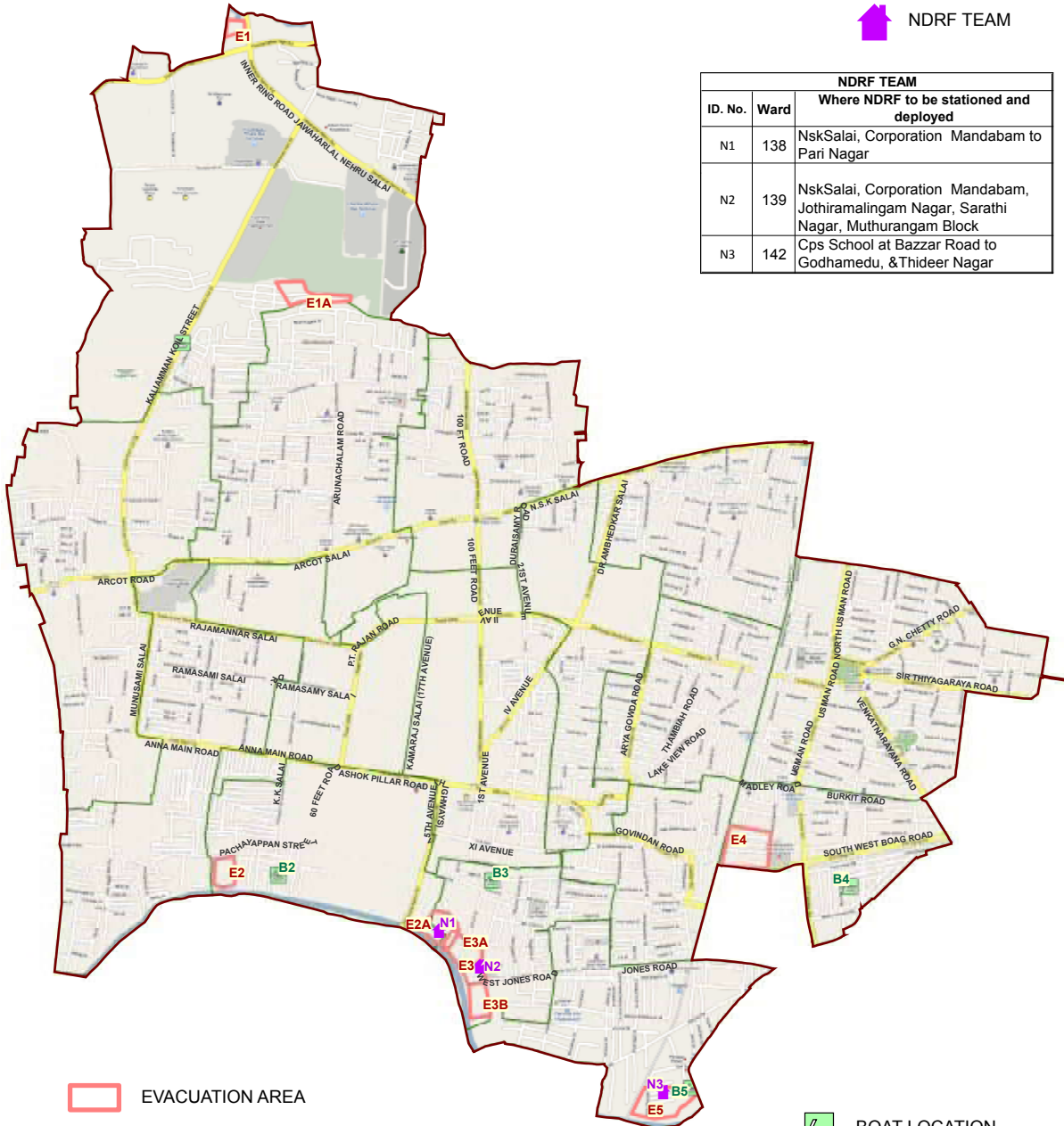
ZONE X

EVACUATION AREA, NDRF TEAM & BOAT LOCATION



NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	138	NskSalai, Corporation Mandabam to Pari Nagar
N2	139	NskSalai, Corporation Mandabam, Jothiramalingam Nagar, Sarathi Nagar, Muthurangam Block
N3	142	Cps School at Bazzar Road to Godhamedu, & Thideer Nagar



EVACUATION AREA

BOAT LOCATION

EVACUATION AREAS		
ID. No.	Ward	EVACUATION LOCATION
E1	127	New Colony
E1A	127	Kulasekarapuram
E2	138	Pari Nagar
E2A	138	Annaisathya Nagar
E3	139	Jothiramalingam Nagar
E3A	139	Sarathinagar
E3B	139	Muthurangan Block
E4	141	C.I.T.Nagar 1st Main Road
E5	142	Godhamedu

Boats		
ID. No.	Ward	Boats stationed Locations
B1	127	Ragavendra Colony main Road
B2	138	VM Balakrishnana Street
B3	139	Ragavareddi colony
B4	141	C.I.T.Nagar 4 th Main Road
B5	142	Godhamedu

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 8 debris lorries, 4 skid steer loaders and 1 front end loader are stationed for performing the job. The details of the lorries available in the zone is given below

No. of lorries and type kept in readiness
Open Debris lorry - 8 Nos
Skid steer loaders (Bob cat) - 5 Nos
(Front end loader) JCB - 1 No.

Assistant Engineer contact No.	JCB	Bob cat	Open lorry	Water tanker Lorry	Hydraulic Ladder
9445190690	1	5	8	4	2

Less than 2.5 m streets that cannot be accessed by Vehicles

Sl.No.	Ward No./Name	Name of the Streets
1.	129/Saligramam	Thamba street, V.P.Agilan street, Shanmugasundaram Street 1st Lane, Shanmugasundaram Street 3rd Lane & Shanmugasundaram Street 4th Lane
2	130/Vadapalani	Bakthavatchalam Colony 4 th Lane
3	131/K.K.Nagar	MGR Nagar Nedunchezian lane 1 to 10 lanes, MGR Nagar Anjugam cross street, Vijayaragavapuram Cross Street 1st Lane & Vijayaragavapuram 2nd lane
4	132/Ashok Nagar	Ottagalalayam I to 13 street
5	133/Ram Colony	Appasamy Lane, R.N.Nambiar Lane & Kasikulam Slum Ten Lanes
6	137/K.K.Nagar	MGR Nagar Ponmanachemmal Street, Anbanandam 1st Street, Anbanandam 2nd Street, Anbanandam 3rd Street, Misha Abraham Cross Street, Choolai Street & Muthuramalinga Devar 1st and 2nd Street
7	138/Jafferkhanpet	Jafferkhanpet Kanni 2nd Street, Pachiappan 1st cross lane, MGR Nagar Zakir Hussain 1st lane, MGR Nagar Pulithevan 1st cross lane, MGR Nagar Pulithevan 2nd cross lane, Jafferkhanpet Ayyavoo cross lane & Jafferkhanpet Gandhi 1st lane
8	139/R.R.Colony	Elangovadigal street
9	141/V.O.C.Nagar	South Dhandapani Street Lane

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 127

Ward Councillor - Nil

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190427
GCC - Electrical	Junior Engineer	9445191458
GCC- Health	Sanitary Inspector	9445025927
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190627
GCC - Revenue	Tax Collector	9789844898/9884665875
Revenue	Revenue Inspector	8190949956
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930127
TANGEDCO	Junior Engineer	9445850302/303
BSNL	Assistant Engineer	9445422111
Fire service	Inspector	9445086067
Police station	Inspector	9443265168/9962391119
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	6381840263
Highways	Assistant Engineer	7708022297

Ward committee – 128**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190428
GCC - Electrical	Assistant Engineer	9445191458
GCC- Health	Sanitary Inspector	9445025927
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190628
GCC - Revenue	Tax Collector	7299752722/9499932831
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930128
TANGEDCO	Junior Engineer	9445850219/210
BSNL	Assistant Engineer	9444393322
Fire service	Inspector	9445086067
Police station	Inspector	9498128655/9498129521/ 960015659
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	6381840263
Highways	Assistant Engineer	7708022297

Ward committee – 129**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190429
GCC - Electrical	Assistant Engineer	9941222906
GCC- Health	Sanitary Inspector	9445025941
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190629
GCC - Revenue	Tax Collector	9499932832/9499932833
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930129
TANGEDCO	Junior Engineer	9445850207/9445850223
BSNL	Assistant Engineer	9445019113
Fire service	Inspector	9445086067
Police station	Inspector	9600015659
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	6381840263
Highways	Assistant Engineer	7708022297

Ward committee – 130**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190432
GCC - Electrical	Assistant Engineer	9941222906
GCC- Health	Sanitary Inspector	9445025940
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190632
GCC - Revenue	Tax Collector	9499932836/9499932839
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930132
TANGEDCO	Junior Engineer	9445850205/9445850204
BSNL	Assistant Engineer	9444972526
Fire service	Inspector	9445086046
Police station	Inspector	9498128655
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9444123957
Highways	Assistant Engineer	9790708092

Ward committee – 131**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190133
GCC - Electrical	Assistant Engineer	9445091456
GCC- Health	Sanitary Inspector	9445025941
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190633
GCC - Revenue	Tax Collector	9499932839
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930133
TANGEDCO	Junior Engineer	9445850203/9445850204
BSNL	Assistant Engineer	9444972526
Fire service	Inspector	9445086046
Police station	Inspector	9498104560/9840868938
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9994181753
Highways	Assistant Engineer	9841184976

Ward committee – 132**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190432
GCC - Electrical	Assistant Engineer	9941222906
GCC- Health	Sanitary Inspector	9445025940
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190632
GCC - Revenue	Tax Collector	9710093655
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930132
TANGEDCO	Junior Engineer	9445850205/9445850204
BSNL	Assistant Engineer	9444972526
Fire service	Inspector	9445086046
Police station	Inspector	9498128655
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9444123957
Highways	Assistant Engineer	9790708092

Ward committee – 133**Ward Councillor – Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190435
GCC - Electrical	Assistant Engineer	9445091456
GCC- Health	Sanitary Inspector	9445025935
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190635
GCC - Revenue	Tax Collector	9499932841
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930135
TANGEDCO	Junior Engineer	9445850770
BSNL	Assistant Engineer	9445013505
Fire service	Inspector	9445086046
Police station	Inspector	9498104560/9840868938
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9994181753
Highways	Assistant Engineer	9841184976

Ward committee – 134**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190434
GCC - Electrical	Assistant Engineer	9445477683
GCC- Health	Sanitary Inspector	9445025935
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190634
GCC - Revenue	Tax Collector	9499932840
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930134
TANGEDCO	Junior Engineer	9445850845
BSNL	Assistant Engineer	9444944900
Fire service	Inspector	9445086046
Police station	Inspector	9498184845/9003237333
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9994181753
Highways	Assistant Engineer	9841184976

Ward committee – 135**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190435
GCC - Electrical	Assistant Engineer	9445091456
GCC- Health	Sanitary Inspector	9445025935
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190635
GCC - Revenue	Tax Collector	9283245386
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930135
TANGEDCO	Junior Engineer	9445850204
BSNL	Assistant Engineer	9444080473
Fire service	Inspector	9445086046
Police station	Inspector	9498184845/9962278609
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9994181753
Highways	Assistant Engineer	9841184976

Ward committee – 136**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190436
GCC - Electrical	Assistant Engineer	9941275753
GCC- Health	Sanitary Inspector	9445025936
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190636
GCC - Revenue	Tax Collector	9499932842/9499932843
Revenue	Revenue Inspector	9791629737
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930136
TANGEDCO	Junior Engineer	9445850764
BSNL	Assistant Engineer	9444080473
Fire service	Inspector	9445086046
Police station	Inspector	9840323723/6381249608
PWD	Assistant Engineer	7010622932
TNSCB	Executive Engineer	9994181753
Highways	Assistant Engineer	9841184976

Ward committee – 137**Ward Councillor - 9445467137**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190437
GCC - Electrical	Assistant Engineer	9941222906
GCC- Health	Sanitary Inspector	9445025937
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190637
GCC - Revenue	Tax Collector	9499932844
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930137
TANGEDCO	Junior Engineer	9445850209/9445850211
BSNL	Assistant Engineer	9445172899
Fire service	Inspector	9445086046
Police station	Inspector	9498128655/9498129521
PWD	Assistant Engineer	9884219380
TNSCB	Executive Engineer	9942773961
Highways	Assistant Engineer	9841184976

Ward committee – 138**Ward Councillor – Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190438
GCC - Electrical	Assistant Engineer	9445191453
GCC- Health	Sanitary Inspector	9445910931
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190638
GCC - Revenue	Tax Collector	9499932845
Revenue	Revenue Inspector	
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930138
TANGEDCO	Junior Engineer	9445850434
BSNL	Assistant Engineer	9444080473
Fire service	Inspector	044-28554316
Police station	Inspector	9498129521
PWD	Assistant Engineer	044-24714597
TNSCB	Executive Engineer	044-23662849
Highways	Assistant Engineer	044-22251885

Ward committee – 139**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190439
GCC - Electrical	Assistant Engineer	9445191453
GCC- Health	Sanitary Inspector	9445910931
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190639
GCC - Revenue	Tax Collector	9499932846
Revenue	Revenue Inspector	8072570571
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930139
TANGEDCO	Junior Engineer	9445850780
BSNL	Assistant Engineer	9444080473
Fire service	Inspector	9445086046
Police station	Inspector	9442130609/8754479055
PWD	Assistant Engineer	9444903449
TNSCB	Assistant Engineer	8760487441
Highways	Assistant Engineer	9789965555

Ward committee – 140**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190440
GCC - Electrical	Assistant Engineer	9445191457
GCC- Health	Sanitary Inspector	9445025940
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190640
GCC - Revenue	Tax Collector	9499932847
Revenue	Revenue Inspector	8148893229
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930140
TANGEDCO	Junior Engineer	9445850780/044-24341898
BSNL	Assistant Engineer	044-23813300
Fire service	Inspector	044-28554316
Police station	Inspector	9442130609
PWD	Assistant Engineer	9790708092
TNSCB	Assistant Engineer	6380913094
Highways	Assistant Engineer	9789965555

Ward committee – 141**Ward Councillor - Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190441
GCC - Electrical	Assistant Engineer	9941275753
GCC- Health	Sanitary Inspector	9445025929
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190641
GCC - Revenue	Tax Collector	9499932848
Revenue	Revenue Inspector	8778223247
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930141
TANGEDCO	Junior Engineer	9445850781
BSNL	Assistant Engineer	9486108393
Fire service	Inspector	9941201845
Police station	Inspector	9840323723
PWD	Assistant Engineer	9444903449
TNSCB	Assistant Engineer	9840056419
Highways	Assistant Engineer	9789965555

Ward committee – 142**Ward Councillor – Nil**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190442
GCC - Electrical	Assistant Engineer	9445191457
GCC- Health	Sanitary Inspector	9445025940
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190642
GCC - Revenue	Tax Collector	9499932849
Revenue	Revenue Inspector	8148893229
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930142
TANGEDCO	Junior Engineer	9445850780 / 776
BSNL	Assistant Engineer	9444080473/9444929382
Fire service	Inspector	044-24362483
Police station	Inspector	8754479055/9840703223
PWD	Assistant Engineer	7010622932
TNSCB	Assistant Engineer	7358648626
Highways	Assistant Engineer	7708022297

ZONE - XI

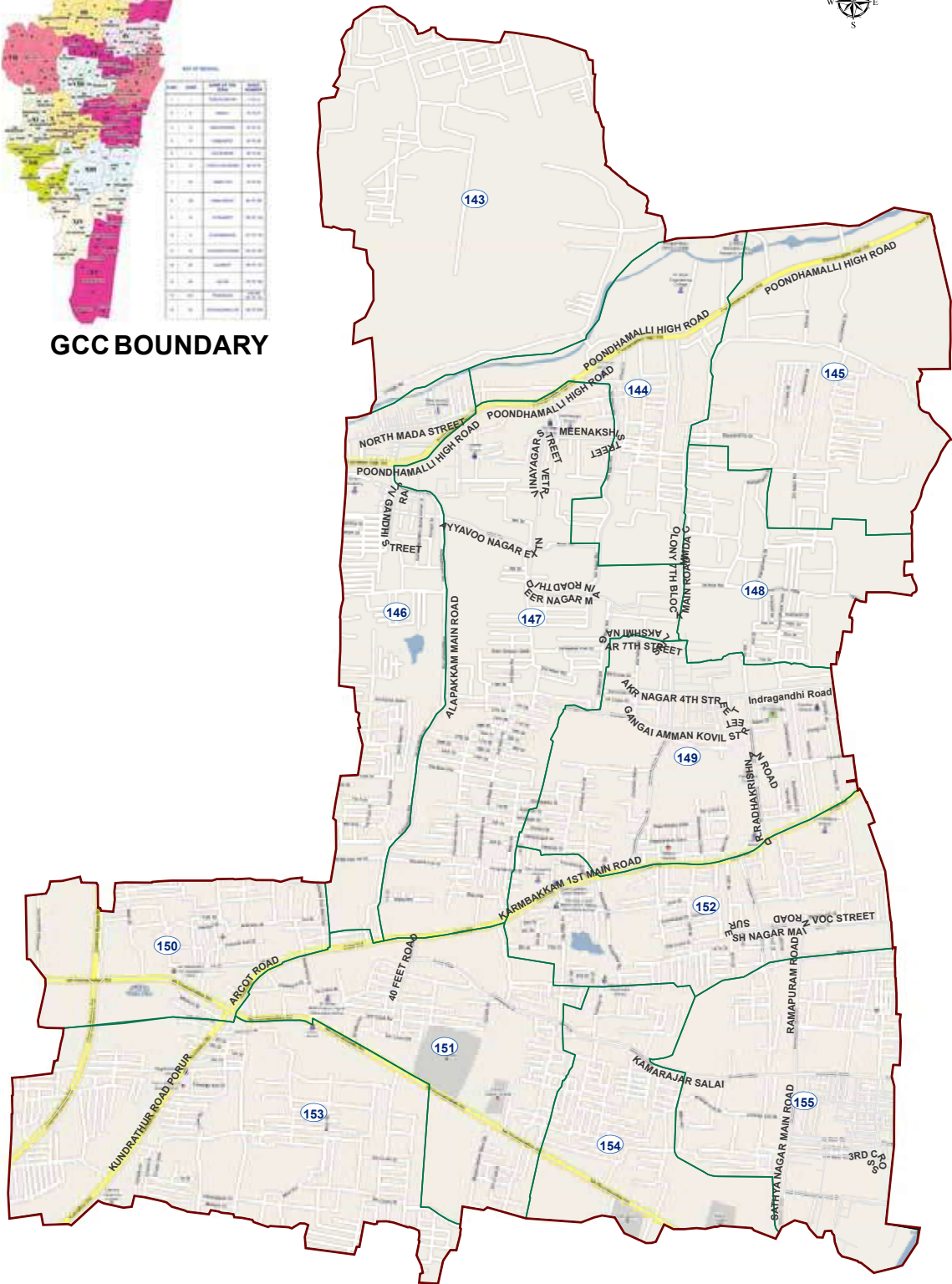
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ZONE XI - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Valasaravakkam	143 TO 155

Profile

The Valasaravakkam zone lies in Latitude 13.04094°, Longitude 80.17215° covering an area of 28.51 Sq.km.

There are 3121 roads, out of which 3100 roads to a length of 754.34 Km are Interior Roads, 5 Roads to a length of 4.0 Km are Bus Route Roads which are maintained by GCC and the remaining 16 roads are under the maintenance of Highways department.

The population is about 3.75 Lakhs that has Male population of 50.48% and Female population of 49.5 % in this zone. The most dense area is Maduravoyal with a population of 92,597 and the least is Porur with a population of 56,696. The Ward wise population is given below,

Sl.No.	Ward. No/Name	Total House Holds	Total Population
1	143 Nolambur	9850	20623
2	144 Madhuravoil	5817	21630
3	145 Nerkundram	5710	39165
4	146 Madhuravoil	7387	24603
5	147 Madhuravoil	8929	46364
6	148 Nerkundram	5645	19819
7	149 Valasaravakkam	8365	31146
8	150 Karambakkam, Sivabootham	6199	25795
9	151 Porur	7274	22331
10	152 Valasaravakkam	8070	26186
11	153 Porur	8477	34365
12	154 Ramapuram	4486	25266
13	155 Ramapuram	7577	37849
Total		93786	375142

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Chairman	143 to 155	
2	Zonal Officer	143 to 155	9445190011

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-32 & U-33	9445477702
2	Executive Engineer-2	U-33 A & U-34	94451 90031
3	Assistant Executive Engineer	U-32 (143,144,146,147)	9445190132
4	Assistant Executive Engineer	U-33 (145,148,149,152)	9445190133
5	Assistant Executive Engineer	U-34 (150,151,153,154,155)	9445190134
6	Additional Divisional Engineer, Electrical	143 to 155	9445190051
7	Assistant Executive Engineer, Mechanical	143 to 155	9445190495

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Conservancy supervisor	Unit-32	9445191432
2	Conservancy supervisor	Unit-33	9445191433
3	Conservancy supervisor	Unit-34	9445191434

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staffs to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone XI	9445190071
2	Veterinary Surgeon	Zone XI	9962534816
3	Junior Entomologist	Zone XI	7449195461
4	Sanitary Officer	Unit-32	9445467335
5	Sanitary Officer	Unit-33	9445190691
6	Sanitary Officer	Unit-34	9445192955

Parks

There are 44 Parks available in various locations like Nolambur, Madhuravoil, Karambakkm, Porur & Ramapuram etc. in this zone. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194754 Park Overseer	Power saw – 10	Valasarvakkam

Sl.No	Ward	Name Of Ward	Location of the Park
1	143	Nolambur	Nolambur Phase-I 7th Main Road
2	143		Nolambur Phase-I 3rd Main Road
3	143		Nolambur Phase-I 9th Main Road (New)
4	143		Nolambur Phase-II, 7th Cross Street
5	143		Nolambur Phase-II ,3rd Cross Street
6	143		Nolambur phase -1, 6th main road (road side park)
7	143		Nolambur Phase-2 ,13th cross street
8	143		Nolambur Phase-1,9th main road (old)
9	143		Nolambur Channal Road
10	143		Nolambur Phase-I 13th Cross Street
11	143		Nolambur MCK Layout Park
12	143		Nolambur phase -1, 1st main road park
13	143		Nolambur phase -1, 6th cross street park
14	143		S&P Garden 1st main road
15	143		VGN Monte carlo, Garden street
16	143		VGN Monte carlo, Park street
17	144	Maduravoyal	V.G.P. Amutha Nagar
18	146		Metro Nagar
19	147		Pallavan nagar park
20	147		Arignar Anna park
21	147		Bharathi nagar
22	149	Valasaravakkam	Fathima Nagar
23	149		Thiru-- vi - ka park at Gandhi Road
24	149		Brindavan nagar
25	149		OSR Land Near Alsa Tower
26	149		CEEBROS OSR Land
27	149		Vardha Park Brindavan Nagar
28	150	Karambakkam	Parasnath Nagar Sayarbhai Street
29	150		Phase -I Maruthi nagar OSR Land
30	150		Phase -III Maruthi nagar OSR Land
31	150		Ponnamman nagar
32	151	Porur	Sabari nagar 5th street
33	151		Porur Park
34	152	Valasaravakkam	Zonal office building park

35	153	Porur	Kanniyappan Salai
36	153		Ramakrishna nagar
37	153		Ramaswamy nagar
38	154	Ramapuram	Park at Kurinji Nagar 3rd cross street
39	155	Ramapuram	Eswaran Nagar
40	155		Jai Balaji Nagar
41	155		Giri Nagar
42	155		Azhagapuri Nagar
43	155		Royala Nagar
44	155		K.P.Nagar

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are three pumping stations available in Valasaravakkam Zone with average capacity of 6MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

SI.No.	Pumping Station	Capacity MLD	No. of pumps
1	Kambar street	6 MLD	20HP – 2 , 22.5HP – 2
2	Thirunagar annex	8 MLD	20HP - 3 22.5HP – 2
3	Kadamban street	6 MLD	20HP – 3 22.5HP – 2

Tamil Nadu Slum Clearance Board tenements

There are 4 TNSCB tenements in Nerkundram, Ramapuram & karambakkam with a population of 6410. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

SI. No.	Ward No./Name	Tenement location	No. of tenement	Population
1	148 Nerkundram	Periyar nagar Thankal karai	40	160
2	155 Ramapuram	Thirumalai nagar VOC Street	250	4000

Sl. No.	Ward No./Name	Tenement location	No. of tenement	Population
3	150 Karambakkam, Sivabootham	Gandhi nagar	150	750
4	150 Karambakkam, Sivabootham	Thundalam anna nagar	500	1500
		Total	940	6410

Contact details

Department	Designation	Area	Contact No.
TNSCB	Executive Engineer	14	044- 28444973
Conservancy/ GCC	Conservancy Supervisor	Unit-32	9445191432
Conservancy/ GCC	Conservancy Supervisor	Unit-33	9445191433
Conservancy/ GCC	Conservancy Supervisor	Unit-34	9445191434
Water Sup- ply & Sewage / CMWSSB	Area Engineer	Area - 11	044-24867244

Water Bodies and Waterways

There are 3 Canals passing in this Zone, **(1) Nolambur canal**, maintained by PWD which originates from Nolambur travel about 4 Km in the zone and disposes via Gangaiamma koil street and then melds at Coovum river, **(2) Virugambakkam canal**, maintained by PWD which touches the zone at Bhuvanewari nagar travels about 1.5 Km in the zone and disposes through Spurtank road and connects Coovum river and **(3) Nandambakkam canal**, maintained by PWD which touches the zone at Subhasree nagar travels about 0.6 Km in the zone and disposes at the rear side of MIOT hospital and drain into Adyar river.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canals maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 130 km to ease the flow of rain water .

The details of various water bodies in this zone are listed below,

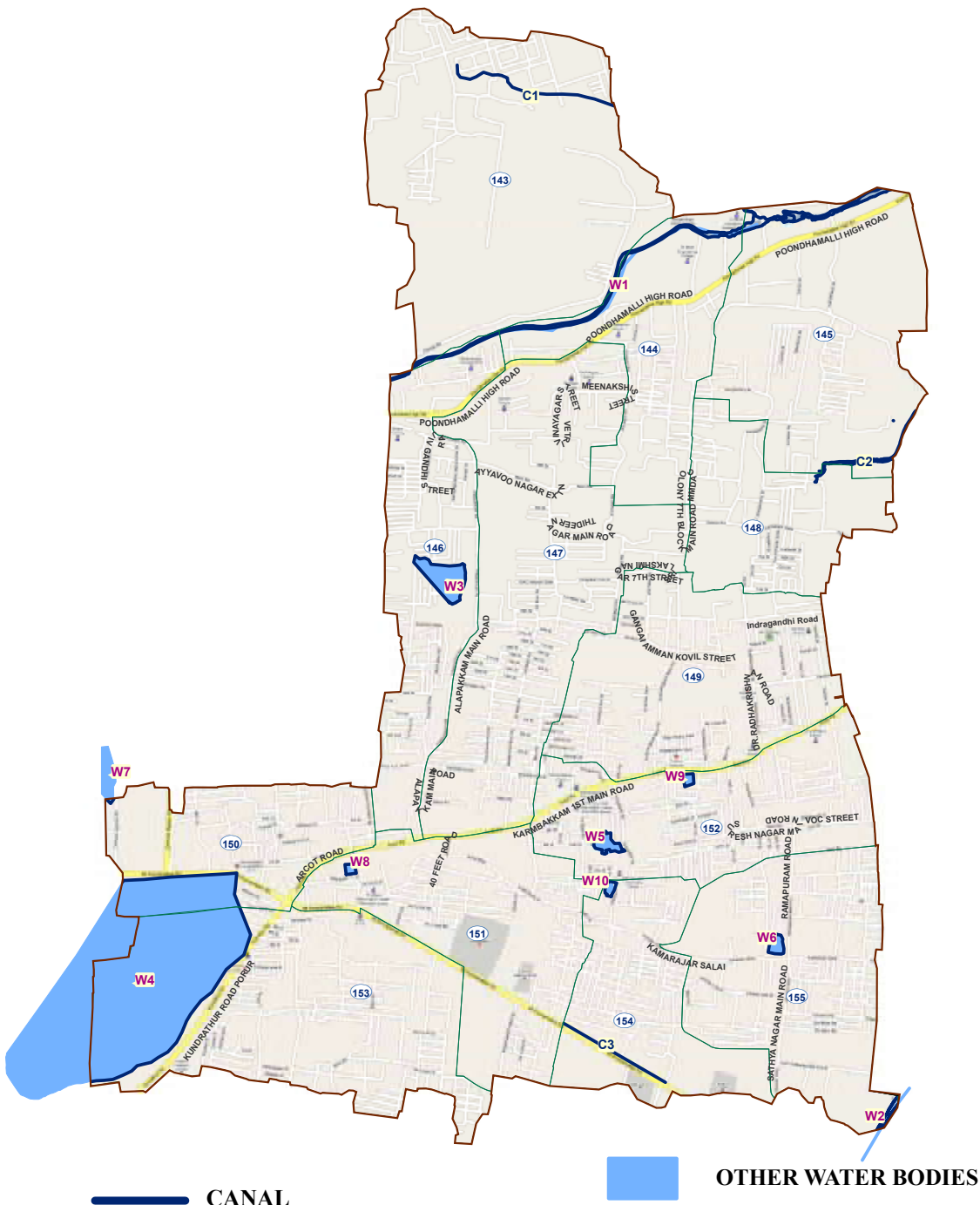
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Nolambur canal	143	Nolambur	Cooum	4.0
2	Virugambakkam canal	148	Bhuvaneshwari Nagar	Cooum	1.5
3	Nandambakkam canal	154	Subhasree Nagar	Adyar	0.6

Other water bodies

Sl No	Ward No	Name of other water bodies	Length / Area
1	144 & 150	Coovum river	3 km
2	155	Adyar River	3 Km
3	146	Alappakkam lake	10 acre
4	150	Porur lake	69000 m ²
5	152	Valasaravakkam lake (Mohan breweries lake)	1.4 acre
6	155	Ramapuram lake	7 acre
7	150	Chettiyar agaram Tank	84900 m ²
8	151	Anjaneyar koil pond	4220 m ²
9	152	Sivan koil pond	2 acre
10	154	Alangulam pond	580 m ²

ZONE XI - WATER BODIES



— CANAL

■ OTHER WATER BODIES

Canals					
ID	Name of the Canal	Wards	From	To	Length of Canal (Km)
C1	Nolambur canal	143	Nolambur	Cooum	4
C2	Virugambakkam canal	148	Bhuvaneshwari Nagar	Cooum	1.5
C3	Nandambakkam canal	154	Subhasree Nagar	Adyar	0.6

Other Water Bodies			
ID	Ward	Name of other water bodies	Length / Area
W1	144	Cooum river	3 km
W2	155	Adyar River	3 Km
W3	146	Alappakkam lake	10 acre
W4	150 & 153	Porur lake	69000 m ²
W5	152	Mohan breweries lake	1.4 acre
W6	155	Ramapuram lake	7 acre
W7	150	Chettiyar agaram Tank	84900 m ²
W8	151	Anjaneyar koil pond	4220 m ²
W9	152	Sivan koil pond	2 acre
W10	154	Alangulam pond	580 m ²

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, Integrated Storm water drain to a length of 134 Km was constructed to ease the flow of rain water in Valasaravakkam zone. The details of existing SWD, Side drain and ISWD are given below..

Sl. No	Dn. No.	SWD		Side Drain		ISWD	
		No.	Length in m	No.	Length in m	No.	Length in m
1	143	19	6034.00	8	1239.00	39	10434.00
2	144	34	5423.00	19	2762.00	7	1308.00
3	145	3	865.00	84	9989.50	133	22016.00
4	146	81	15478.00	18	1602.00	20	5261.00
5	147	27	6553.00	31	4625.00	97	23197.50
6	148	1	66.00	80	10232.00	95	16725.00
7	149	8	730.00	0	0.00	92	16078.00
8	150	29	4362.00	47	5445.00	43	8888.00
9	151	19	3442.00	71	7433.00	18	2338.00
10	152	4	876.00	4	677.00	24	7467.00
11	153	40	5406.00	34	4248.00	57	11856.00
12	154	15	2964.00	19	2307.00	21	3182.00
13	155	5	1964.00	40	4728.00	19	4787.00
Total		285	54163.00	455	55287.50	665	133537.50

Water stagnated streets in the previous monsoon - heavy rainfall

During the last monsoon, 84 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and

water bodies in this Zone.

The identified vulnerable spots and the actions taken to dispose the rain water in each location are as below,

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	143	Gajalakshmi nagar	5 HP	Gajalakshmi nagar 5th street	Disposed to Coovum river
	Nolambur				
2	143	VG-N nagar(Phase-III)	7.5 HP	VG-N nagar(Phase-III) 2nd cross street	Disposed to service road
	Nolambur				
3	143	Sakthi nagar	5 HP	Sakthi nagar 2nd avenue	Disposed to sriram nagar
	Nolambur				
4	143	VGN nagar	5 HP	Pada salai cross street	Disposed to sriram nagar
	Nolambur				
5	143	Vembuli amman koil street	5 HP	Vembuli amman koil street	Disposed toPhase I 8th main road
	Nolambur				
6	144	MMDA Colony 4 th , 5 th & 6 th block	5 HP	MMDA Colony 4 th , 5 th & 6 th block	MMDA Colony SWD
	Madhuravoil				
7	144	Varalakshmi nagar	10 HP	Varalakshmi nagar	Varalakshmi nagar SWD
Madhuravoil					
8	144	Nagathamman koil street	5 HP	Nagathamman koil street	Varalakshmi nagar SWD
	Madhuravoil				
9	144	VGP Amudha nagar	5 HP	VGP Amudha nagar	-
	Madhuravoil				
10	144	MSP nagar	5 HP	MSP nagar	-
	Madhuravoil				
11	144	Om sakthi nagar	5 HP	Om sakthi nagar	-
	Madhuravoil				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
12	144	PH road	5 HP	PH road	-
	Madhuravoil				
13	144	Abirami nagar main road	5 HP & 10 HP	Abirami nagar main road	-
	Madhuravoil				
14	145	Pallavan Nagar	5 HP, 7HP & 10 HP	Pallavan Nagar	-
	Nerkundram				
15	145	Ambiga nagar	100 HP, 80 HP & 10 HP	Ambiga nagar	-
	Nerkundram				
16	145	Sakthi nagar	10 HP	Sakthi nagar	-
	Nerkundram				
17	145	Krishna nagar	80 HP, 10 HP	Krishna nagar	-
	Nerkundram				
18	145	Palvadi street	5 HP	Palvadi street	-
	Nerkundram				
19	145	Alagammal nagar	5 HP	Alagammal nagar	-
	Nerkundram				
20	145	Janakiram colony	5 HP	Janakiram colony	-
	Nerkundram				
21	146	Ganapathi nagar	5 HP	Ganapathi nagar	-
	Madhuravoil				
22	146	Dhanalakshmi nagar	5 HP	Dhanalakshmi nagar	-
	Madhuravoil				
23	147	Krishna nagar	5 HP	Krishna nagar	-
	Madhuravoil				
24	147	Pallvan nagar	5 HP	Pallvan nagar	-
	Madhuravoil				
25	147	Alapakkam main road	10 HP	Alapakkam main road	-
	Madhuravoil				
26	147	Vetri vinayagar koil	5 HP	Vetri vinayagar koil	-
	Madhuravoil				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
27	148	NSK street	5 HP	NSK salai	Disposed to Thiruvalluvar salai SWD
	Nerkundram				
28	148	VOC Street	5 HP	VOC Street	Disposed to Thiruvalluvar salai SWD
	Nerkundram				
29	148	Gandhi street	5 HP	Gandhi street	Disposed to Thiruvalluvar salai SWD
	Nerkundram				
30	148	Anbu nagar	5 HP, 10 HP, 25 HP, & 15 HP	Anbu nagar 6th,7th street & Near 5th street vacant land	Disposed to Pond
	Nerkundram				
31	148	Balaji nagar	5 HP	Balaji nagar	Pillayar koil street SWD
	Nerkundram				
32	148	Saraswathi nagar	5 HP	Saraswathi nagar	Thiruvalluvar salai SWD
	Nerkundram				
33	148	Balavinayagar street	5 HP, 8 HP & 10 HP	Balavinayagar , Thankal karai	Jayaram nagar 1st main road SWD
	Nerkundram				
34	148	CDN nagar	5 HP & 10 HP	CDN nagar	NT patel road , CDN SWD
	Nerkundram				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
35	148	Periyar nagar thankal karai	8 HP & 10 HP	Periyar nagar thankal karai	Mettukuppam salai SWD
	Nerkundram				
36	149	Velan nagar	8 HP & 10 HP & 25 HP	Radha avenue 4th , 5th, 3rd street	Indra gandhi salai SWD
	Valasaravakkam				
37	149	Radha avenue	10 HP motor	Srilakshmi nagra 3rd , 5th,11th street	Anbu nagar 2nd street SWD
	Valasaravakkam				
38	149	Anbu nagar	10 HP & 8 HP motor	Anbu nagar 2nd street	Anbu nagar main road SWD
	Valasaravakkam				
39	149	Sri Lakshmi nagar	10 HP	Srilakshmi nagra 3rd , 5th,11th street	Radha avenue main roadSWD
	Valasaravakkam				
40	150	Doss main road	5 HP	Near by TVK 2nd street	Disposed to By pass service road
	Karambakkam, Sivabootham				
41	150	Sannathi street	5 HP	Near by TVK 2nd street	Disposed to By pass service road
	Karambakka m, Sivabootham				
42	150	Bharathiyar street	5 HP	Near by TVK 2nd street	Disposed to By pass service road
	Karambakkam, Sivabootham				
43	150	Natarajan street	5 HP	Near by TVK 2nd street	Disposed to By pass service road
	Karambakkam, Sivabootham				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
44	150	Thiruveethiamman koil st	7.5 HP	Moorthy nagar	Disposed to By pass service road
	Karambakkam, Sivabootham				
45	150	Thundalam perumal koil street	7.5 HP	Moorthy nagar	Disposed to By pass service road
	Karambakkam, Sivabootham				
46	150	Sri Parasnath nagar main road	20 HP	Maruthi nagar 3rd street	Disposed to By pass service road
	Karambakkam, Sivabootham				
47	150	Punniyakkotti nagar main road	-	Maruthi nagar 3rd street	Disposed to By pass service road
	Karambakkam, Sivabootham				
48	150	Avvai street	5 HP	Samayapuram 5th street	Disposed to By pass service road
	Karambakkam, Sivabootham				
49	150	Mullai street	7.5 HP	Samayapuram 5th street	Disposed to By pass service road
	Karambakkam, Sivabootham				
50	150	Arcot road	7.5 HP and 10.5 HP	Kanna street	A1 Mutton stall
	Karambakkam, Sivabootham				
51	150	Sai karna villa	10 HP	-	Disposed to By pass service road
	Karambakkam, Sivabootham				
52	150	Moorthi nagar	10 HP and 7.5 HP	-	Disposed to By pass service road
	Karambakkam, Sivabootham				
53	151	Arcot road (ETA Building)	10 HP and 7 HP	In front of ETA Building	Disposed to Lakshmi nagar 40 feet road SWD
	Porur				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
54	152	Sairam avenue	10 HP	Sairam avenue 1st & 2nd st	Arcot road
	Valasaravakkam				
55	152	SVS nagar main road	30 HP	SVS nagar main road	Disposed to Kamar street dn 151
	Valasaravakkam				
56	152	SVS nagar annex	20 HP	SVS nagar annex	Disposed to Kamar street dn 151
	Valasaravakkam				
57	152	Janakiram 6 th street	5 HP	Janakiram 6 th street	SWD Prakasam street
	Valasaravakkam				
58	152	Veerappa nagar	20 HP	Veerappa nagar	Arcot road
	Valasaravakkam				
59	152	Om Sakthi nagar 3 rd ,4 th street	10 HP	Om Sakthi nagar 3 rd ,4 th street	Omsakthi nagar main road SWD
	Valasaravakkam				
60	152	Majestic colony	100 HP	Jn of Chowdry nagar & Alagiri street	Chowdry nagar 5th street SWD
	Valasaravakkam				
61	152	Madurai meenatchi nagar	10 HP	Madurai meenatchi nagar main road	Majestic colony main road SWD
	Valasaravakkam				
62	152	Subramaniya swamy nagar	30 HP	Subramaniya swamy nagar	Dr,Ambedkar road SWD
	Valasaravakkam				
63	153	Ganesh avenue 1 st to 10 th street	10 HP	Ganesh avenue 9th street Corner	Ganesh avenue 8th street SWD
	Porur				
64	153	Ramakrishna nagar 6 th avenue	5 HP	Ramakrishna nagar 6 th avenue centre	Udaya nagar SWD
	Porur				

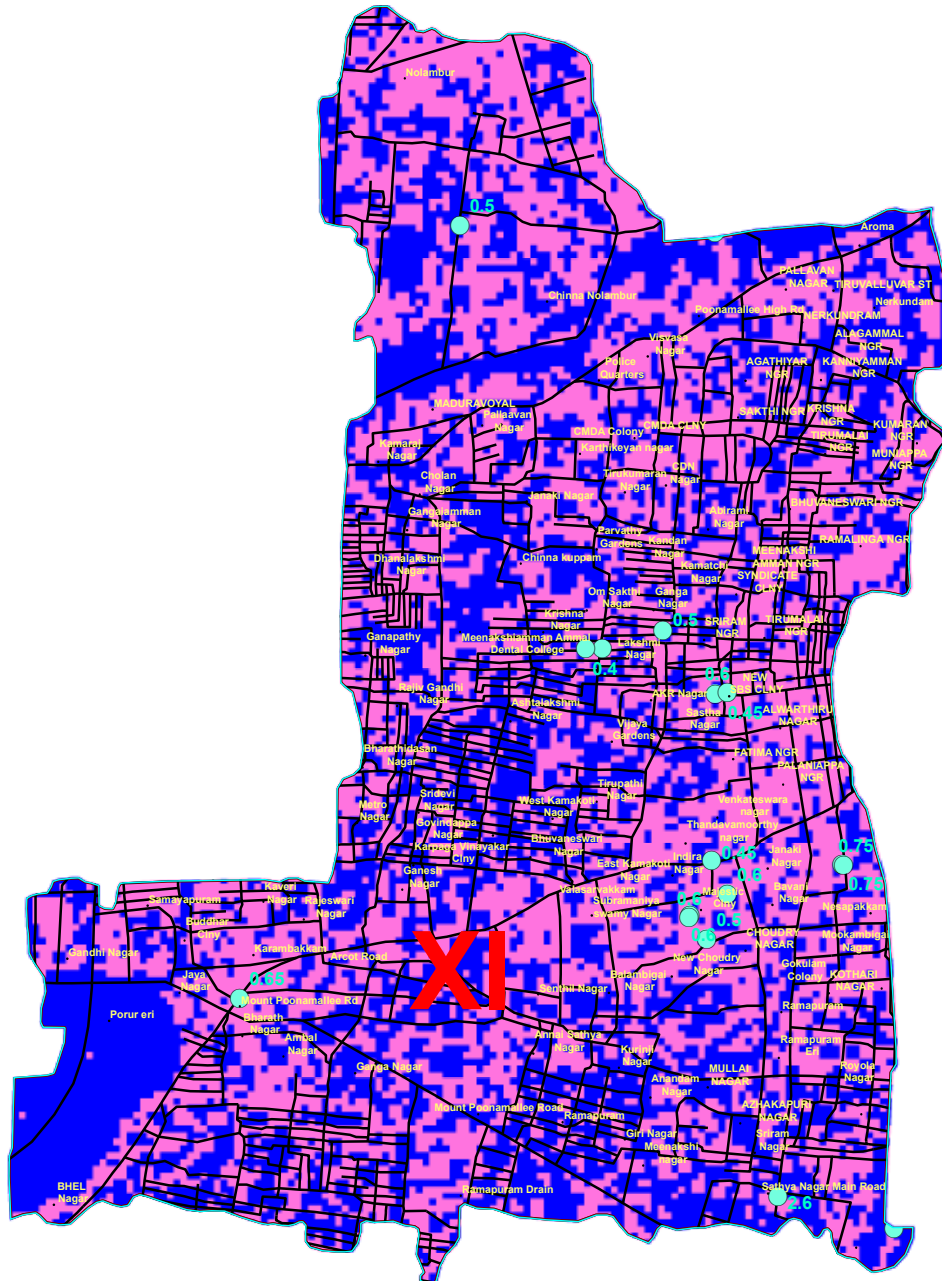
S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
65	153	RE nagar 1 & III street (East)	10 HP	RE nagar 1 street (East)	Eswaran koil street SWD
	Porur				
66	153	Ekambaram street	10 HP	Ekambaram street centre	Suresh nagar 4th street
	Porur				
67	153	R.K.Nagar 6 th Avenue	5 HP	Ramakrishna nagar 6th avenue centre	Udaya nagar SWD
	Porur				
68	153	Suresh nagar 4 th street	5 HP	Suresh nagar 4 th street middle	Udaya nagar SWD
	Porur				
69	153	Ramasamy nagar main road	5 HP	Ramasamy nagar main road middle	Udaya nagar SWD
	Porur				
70	153	Kundrathur main road	10 HP	RE nagar 1st street	RE nagar 1st street SWD
	Porur				
71	154	Gangaiamman koil (Kulakarai south street)	10 HP	Gangaiamman koil (Kulakarai south street)	Disposed to Gangaiamman koil SWD
	Ramapuram				
72	154	Bharathi salai	10 HP	Bharathi salai	Disposed to Bharathi salai SWD
	Ramapuram				
73	154	Balambigai nagar 5 th street	10 HP	Balambigai nagar 5 th street	Disposed to Balambigai nagar 5th street SWD
	Ramapuram				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
74	154	Kulakarai south street	10 HP	Kulakarai south street	Disposed to Kambar salai Side drain
	Ramapuram				
75	155	Amman nagar	When Adayar river level decreased automatically went to storm water drains.	-	-
	Ramapuram			-	-
76	155	Royala nagar		-	-
	Ramapuram			-	-
77	155	Kalasathamman koil street		-	-
	Ramapuram			-	-
78	155	Chellammal nagar		-	-
	Ramapuram			-	-
79	155	Michel garden		-	-
	Ramapuram			-	-
80	155	Thiruvalluvar salai (Part)	-	-	
	Ramapuram		-	-	
81	155	Bakthi vedhandha avenue	-	-	
	Ramapuram		-	-	
82	155	Kothari Nagar	10 HP	Kothari nagar 1st	Disposed to Thiruvalluvar salai SWD, Senthamil nagar SWD
	Ramapuram			main road , 9th ,8th street	
83	155	Thirumalai Nagar	10 HP	Angel street	Disposed to Balakrishna nagar main road
	Ramapuram				

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
84	155	Gangaiya avenue	10 HP	Gangaiah avenue 1st street	Kamarajar salai
	Ramapuram				

Anna University has mapped the areas inundated in this zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded within 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



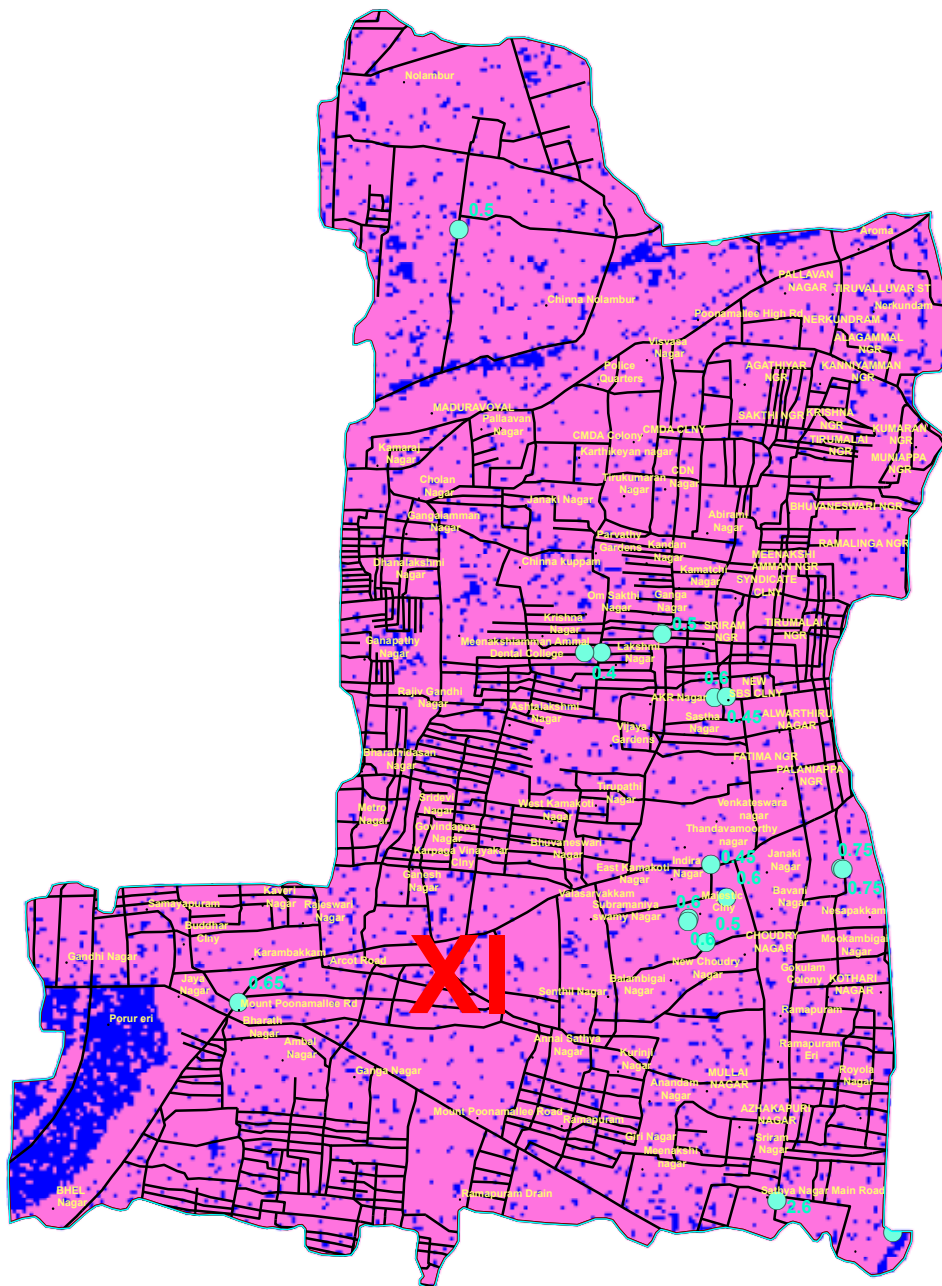
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:23,000



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



LEGEND

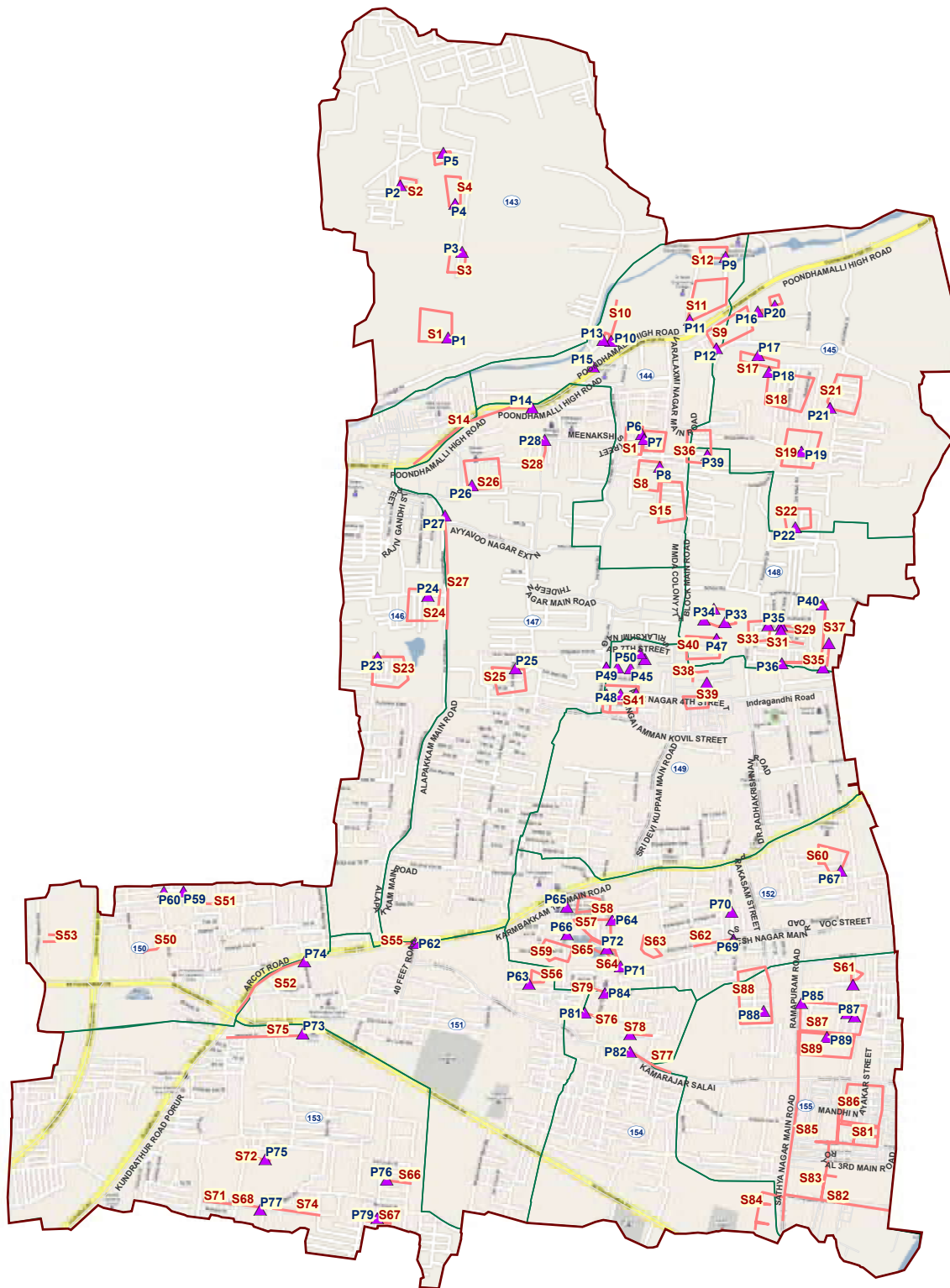
- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION


SCALE 1:23,000



ZONE XI

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



 Streets where water stagnated in the previous monsoon  Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - mild rainfall

S.No.	ward	Name of the Street
1	145	Sivanthi Avenue
2	147	Thiraviyam Nagar 1st Street
3	147	27th Street
4	150	Mullai Street
5	150	Thundalam Anna Nagar
6	150	Ponni Nagar
7	151	Anna Salai (Highways)
8	151	Arcot Road (Jn. of Thirumurugan Nagar) (Highways)
9	151	Arcot Road (Porur Junction)(Highways)
10	151	Kuppusamy Street (Highways)
11	152	Majestic Colony
12	152	Veerapa Nagar
13	152	Janaki Nagar
14	155	Bharathi Salai
15	155	Thiruvalluvar salai
16	155	Kamarajar salai

Water stagnated streets in the previous monsoon - moderate rainfall

S.No	ward	Name of the Street
1	149	Palaniappa Nagar Main Road
2	150	Arunachalam Nagar
3	150	Rajeshwari Nagar
4	150	Mothi Nagar
5	150	Padmavathy Nagar
6	150	Sivaboothamedu
7	151	Anna Salai (Highways)
8	151	Arcot Road (Jn. of Thirumurugan Nagar) (Highways)

S.No	ward	Name of the Street
9	151	Arcot Road (Porur Junction)(Highways)
10	151	Kuppusamy Street (Highways)
11	151	Arcot Road (infront of ETA)
12	153	Kundrathur Main Road (Porur Junction)(Highways)
13	153	Kundrathur Main Road (EB Office Opposite)
14	153	Ganesh Avenue 8th Street
15	153	Ganesh Avenue 9th Street
16	153	Sterling Avenue Main Road
17	153	Subashree Nagar Main Road
18	155	Gangaiya avenue 1st St
19	155	Gangaiya avenue 2nd St
20	155	KP Nagar 2nd Cross street
21	155	Sriram Nagar 3rd Street
22	155	Kothari Nagar 1st main road
23	155	Kothari Nagar 9th Street
24	155	Kothari Nagar 10th Street
25	155	Kothari Nagar 11th Street
26	155	Thirumalai Nagar Angel Street
27	155	Thirumalai Nagar Angel Street lane
28	155	KarpagambalNagar 2nd Street

Stagnation of water in streets due to sewer blocks

Sl. No.	ward /Name	Name of the Streets	No. of manholes
1	149, Valasaravakkam	Velan Nagar, Lakshmi nagar,Radha nagar,Radha avenue	13
2	152, Valasaravakkam	Janaki nagar 6th street,Omsakthi nagar 3rd & 4th street,Sairam avenue 1st & 2nd street,Kadambadiamman sannathi street,SVS nagar annex 1st , 2nd & 3rd street	31
		Total	44

Relief Centres

There are 8 relief centres to a total capacity of 1920 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below

Sl. No.	ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	144	711	Govt. Hr. Sec. School, Sannathi Street, Maduravoyal, Chennai-95	Mannar Sera Perumal Nagar, Om Sakthi Nagar (Ward 144)	Yes	Yes	No	Sanitation, Medicine	SI	9445025945
								Evacuation	AE	9445190444
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190444
2	144	301	Villivakkam Panchayat Union School, Sannathi Street, Maduravoyal, Chennai-95	North Mada Street, 1st to 17th Cross Street (Ward 146),	Yes	Yes	No	Sanitation, Medicine	SI	9445025945
								Evacuation	AE	9445190444
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190444
3	146	289	Dr. Ambedkar Nagar Church (in front of PH Road), Maduravoyal, Chennai-95. (Now temporarily shifted to their places)	Ambedkar Nagar Residents	Yes	Yes	No	Sanitation, Medicine	SI	9445025946
								Evacuation	AE	9445190446
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190446

SI. No.	ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
4	146	266	Sri Seethalakshmi Thirumana Mandapam, Maduravoyal, Chennai-95. (Now temporarily shifted to their places)	Ambedkar Nagar Residents	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025946
								Evacuation	AE	9445190446
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190446
5	148	184	Rani Mahal, Nerkundram, Chennai-107	Periyar Nagar Extn., Mettukuppam high Road.	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025948
								Evacuation	AE	9445190448
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190448
6	151	69	Holy Angel School, Porur, Chennai-116	Poothabedu School street	Yes	Yes	No	Sanitation, Medicine	SI	9445025951
								Evacuation	AE	9445190451
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190451

Sl. No.	ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
7	143	51	VPU School, School Road, Nolambur	Vembuliamman koil street Sakthi nagar	Yes	Yes	No	Sanitation, Medicine	SI	9445025944
								Evacuation	AE	9445190445
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190445
8	155	49	Govt. High School, Eswaran Koil Street, Ramapuram, Chennai-89.	Eswaran Koil Street.	Yes	Yes	No	Sanitation, Medicine	SI	9445025953
								Evacuation	AE	9445190455
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190455

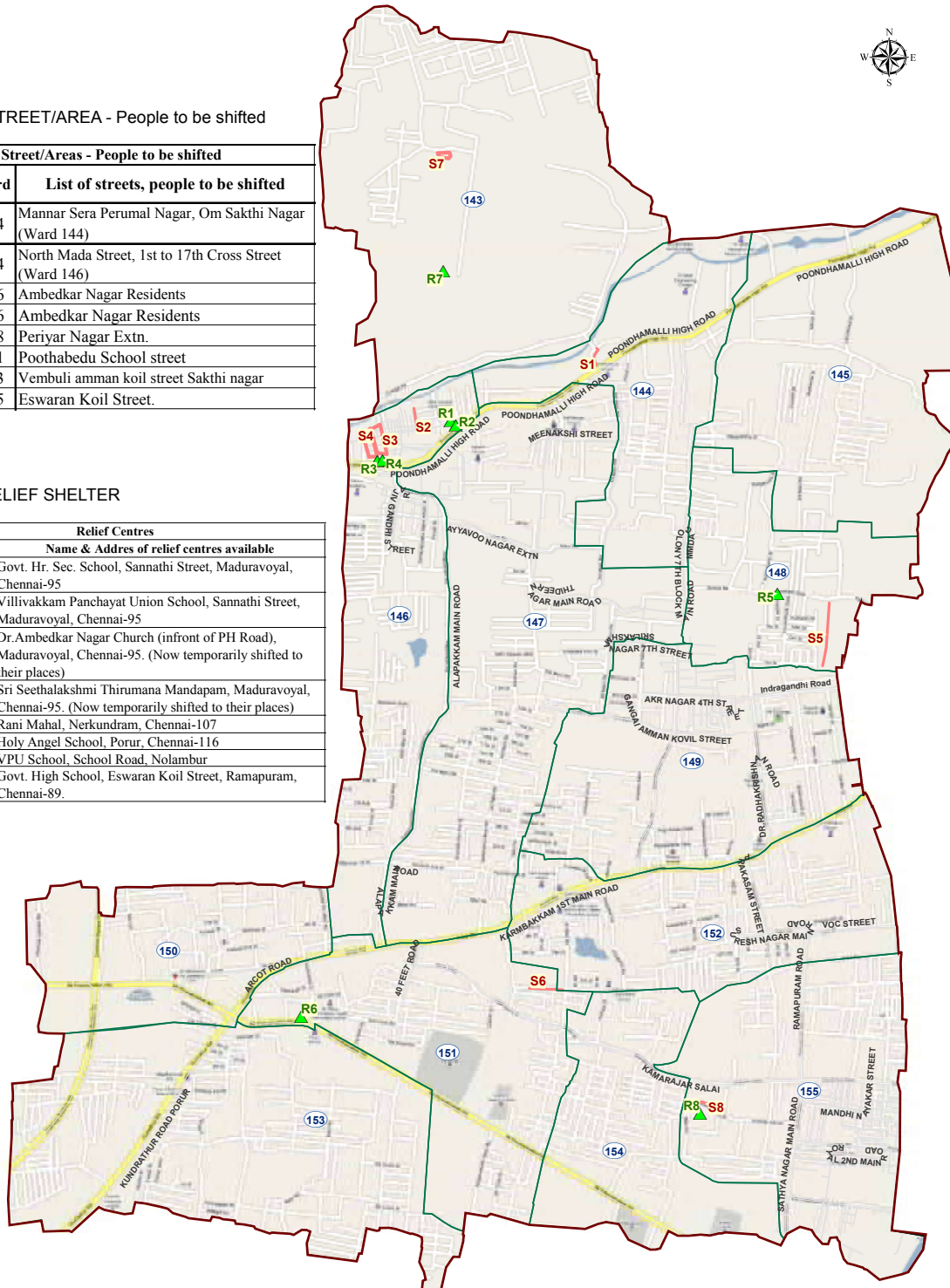
ZONE XI EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	144	Mannar Sera Perumal Nagar, Om Sakthi Nagar (Ward 144)
S2	144	North Mada Street, 1st to 17th Cross Street (Ward 146)
S3	146	Ambedkar Nagar Residents
S4	146	Ambedkar Nagar Residents
S5	148	Periyar Nagar Extn.
S6	151	Poothabedu School street
S7	143	Vembuli amman koil street Sakthi nagar
S8	155	Eswaran Koil Street.

▲ RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Address of relief centres available
R1	144	Govt. Hr. Sec. School, Sannathi Street, Maduravoyal, Chennai-95
R2	144	Villivakkam Panchayat Union School, Sannathi Street, Maduravoyal, Chennai-95
R3	146	Dr. Ambedkar Nagar Church (in front of PH Road), Maduravoyal, Chennai-95. (Now temporarily shifted to their places)
R4	146	Sri Seethalakshmi Thirumana Mandapam, Maduravoyal, Chennai-95. (Now temporarily shifted to their places)
R5	148	Rani Mahal, Nerkundram, Chennai-107
R6	151	Holy Angel School, Porur, Chennai-116
R7	143	VPU School, School Road, Nolambur
R8	155	Govt. High School, Eswaran Koil Street, Ramapuram, Chennai-89.



Subway

There is no subway as of now available in this zone.

Tree fall

During the last monsoon, in valasaravakkam zone totally 54 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	143	Bharathi salai
2	144	Poonamallee high road, Venkateshwara nagar
3	146	Metro nagar
4	147	Arcot road, Alapakkam main road, Krishnamachari street, Astalakshmi nagar
5	149	Dr.Radhakrishnan salai, SBS colony, Gandhi road, Radha avenue, Velan nagar, Kanagathara main road
6	149	Kanagathara main road
7	150	Samayapuram main road, Rajeshwari nagar, Karambakkam main road, Chettiyar agaram main road
8	150	Rajeshwari nagar, Karambakkam main road, Chettiyar agaram main road
9	151	Hospital road, Sabari nagar, Lakshmi nagar
10	152	Jai colony, Kadambadi street, Chowdry nagar main road, Suresh nagar main road
11	153	Ramakrishna nagar, Suresh nagar, Mangala nagar
12	155	Vivekanandha street, Nehru street

Streets - where water entered houses - do not require evacuation

During the last monsoon, 36 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 36 locations were inundated for more than a day by which the normal day to day activity of 2500 people were stand-stilled. Flood water from these areas were cleared by using 75 pumps ranging from 5 HP to 100 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	145 Nerkundram	Pallavan nagar
2	145 Nerkundram	Sakthi nagar
3	145 Nerkundram	Krishna nagar
4	145 Nerkundram	Palvadi street
5	145 Nerkundram	Janakiraman colony
6	147 Madhuravoil	Krishna nagar 1 st , 10 th , 28 th 7 th street
7	147 Madhuravoil	Pallvan nagar ext
8	147 Madhuravoil	Pallvan nagar 1 st main road
9	148 Nerkundram	NSK street
10	148 Nerkundram	VOC Street
11	148 Nerkundram	Anbu nagar
12	150 Karambakkam, Sivabootham	Doss main road
13	150 Karambakkam, Sivabootham	Sannathi street
14	150 Karambakkam, Sivabootham	Bharathiyar street
15	150 Karambakkam, Sivabootham	Natarajan street

Sl.No.	Ward/Name	Name of the area/ streets
16	150 Karambakkam, Sivabootham	MGR salai
17	150 Karambakkam, Sivabootham	Thiruvalliamman koil st
18	150 Karambakkam, Sivabootham	Mullai st
19	150 Karambakkam, Sivabootham	Moorthi nagar main road
20	150 Karambakkam, Sivabootham	Moorthi nagar 1 st
21	150 Karambakkam, Sivabootham	Moorthi nagar 3 rd st
22	150 Karambakkam, Sivabootham	Moorthi nagar 2nd st
23	152 Valasaravakkam	Kadambadiamman koil sannathi st
24	152 Valasaravakkam	Janaki nagar 6 th street
25	152 Valasaravakkam	Sairam avenue
26	152 Valasaravakkam	Majestic colony
27	152 Valasaravakkam	Veerappa nagar
28	154 Ramapuram	Gangai amman koil street
29	154 Ramapuram	Chinna street
30	155 Ramapuram	Gangaiya avenue
31	155 Ramapuram	Amman nagar
32	155 Ramapuram	Royala nagar
33	155 Ramapuram	Kalasathamman koil street

Sl.No.	Ward/Name	Name of the area/ streets
34	155 Ramapuram	Michel garden
35	155 Ramapuram	Thiruvalluvar salai (Part)
36	155 Ramapuram	Bakthi vedhandha avenue

Streets that require evacuation

During the heavy flood occurred last year during 2015, in valasaravakkam zone there were 195 people were evacuated from Periyar nagar and Chinna porur and they were accomodated in Rani Mahal and Gym building. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below.

Sl. No.	ward /Name	Streets	No. of persons	Year	Relief centre
1	148 Nerkundram	Periyar nagar	160	2015	Rani mahal
2	151 Porur	Chinna porur	35	2015	Gym building
		Total	195		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 8 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	143,144 & 146	Junior Engineer	9445477687
2	149,152&147	Junior Engineer	9445191459
3	150,151&153	Junior Engineer	9445477684
4	145 &148	Assistant Engineer	9445477685
5	154&155	Assistant Engineer	9445477686
6	143 to 155	Additional divisional Engineer (Zone)	9445190051
7	143 to 155	Divisional Engineer (HQ)	9445190752

National Disaster Response Force (NDRF)

The NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	149	Radhar avenue and velan nagar
2	155	Amman nagar and Royala nagar (1Team -28 Nos)

NDRF

The Commandant,
04, Battalion (NDRF)
Suraksha Campus, Takkolam,
Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



LAKSHMI NAGAR 3RD MAIN ROAD

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & Number
1	146	1 - Ambedkar Nagar	Ambedkar Nagar	Assistant Engineer 9445190446
2	149	2 - Lakshmi Nagar, Radha Nagar, Radha avenue & Velan Nagar	Velan nagar & Sri Lakshmi nagar	Assistant Engineer 9445190449
3	155	(4 Nos – Small boat & 5Nos Motor boat) - Amman Nagar, Royala Nagar, Vivekanandha Nagar ,Chellammal nagar , Kalasathamman koil street, Thiruvalluvar salai	Amman Nagar, near vimala convent matriculation school	Assistant Engineer 9445190455

ZONE XI

EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

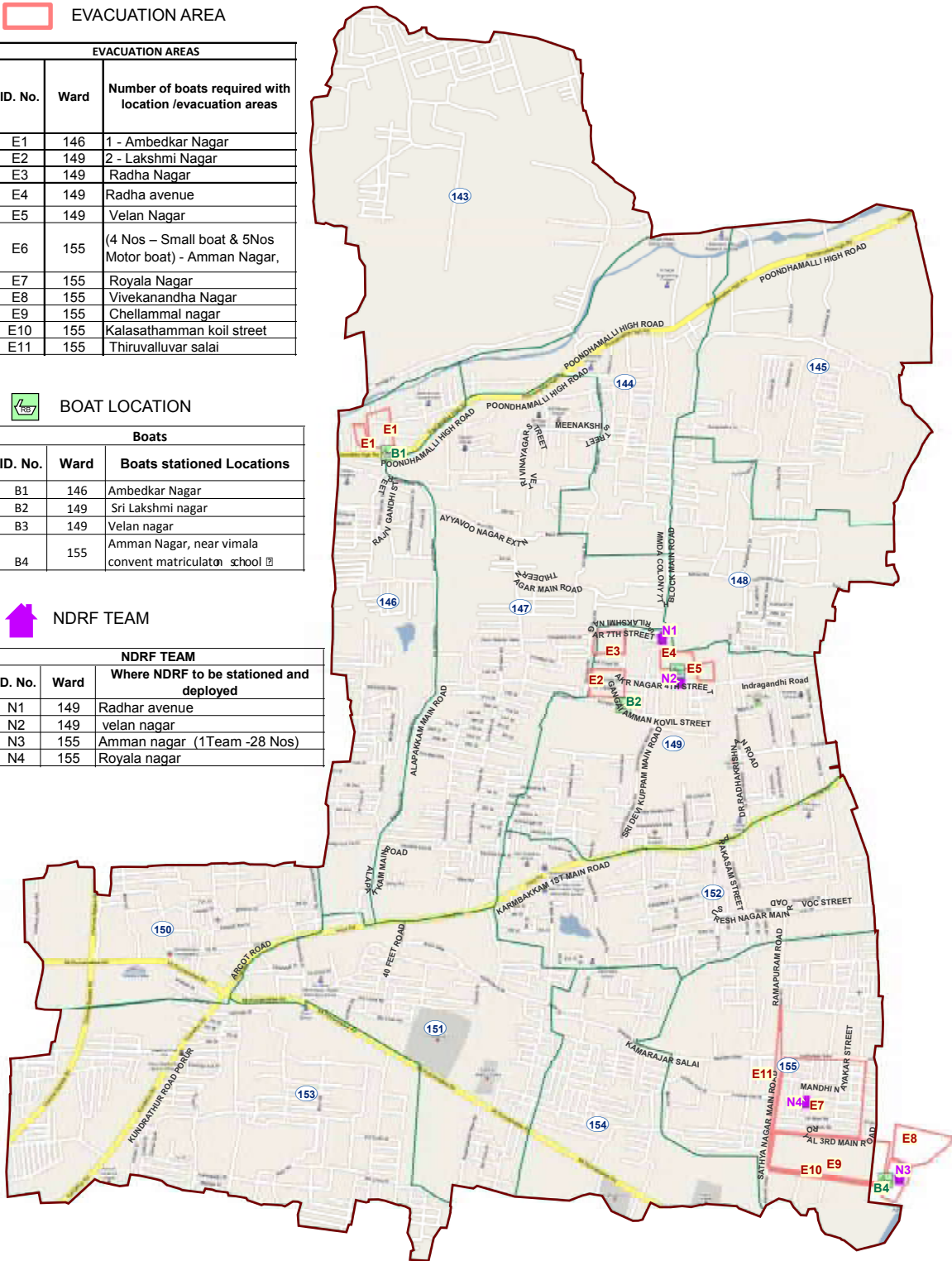
EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	146	1 - Ambedkar Nagar
E2	149	2 - Lakshmi Nagar
E3	149	Radha Nagar
E4	149	Radha avenue
E5	149	Velan Nagar
E6	155	(4 Nos - Small boat & 5Nos Motor boat) - Amman Nagar,
E7	155	Royala Nagar
E8	155	Vivekanandha Nagar
E9	155	Chellammal nagar
E10	155	Kalasathamman koil street
E11	155	Thiruvalluvar salai

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	146	Ambedkar Nagar
B2	149	Sri Lakshmi nagar
B3	149	Velan nagar
B4	155	Amman Nagar, near vimala convent matriculation school

↑ NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	149	Radhar avenue
N2	149	velan nagar
N3	155	Amman nagar (1Team -28 Nos)
N4	155	Royala nagar



Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 3 debris lorries, 3 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below.

No. of lorries and type kept in readiness	
Debris lorry	- 3
Skid steer loaders (Bob cat)	- 3
(Front end loader) JCB	- 2

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190494	3	3	10-LMV	1

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1	143 Nolambur	Gajalakshmi nagar Main Road, Padasalai Street, Perumal Koil street, TNHB IV Block
2	144 Madhuravoil	Nagathamman koil street, VGP Amudha nagar, MSP nagar, Om sakthi nagar
3	145 Nerkundram	Pallavan Nagar, Sakthi nagar, Krishna nagar
4	149 Valasaravakkam	Velan nagar, Radha avenue, Syndicate Colony, Sri Lakshmi nagar
5	152 Valasaravakkam	SVS nagar main road, Veerappa nagar

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee - 143

Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190443
GCC - Electrical	Assistant Engineer	9445477687
GCC- Health	Sanitary Inspector	9445025943
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190643
GCC - Revenue	Tax Collector	9884267278
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930143
TANGEDCO	Junior Engineer	9445850336
BSNL	Assistant Engineer	9444001799
Fire service	Inspector	04424769101
Police station	Inspector	9498100117
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 144**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190443
GCC - Electrical	Assistant Engineer	9445477687
GCC- Health	Sanitary Inspector	9445025944
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190643
GCC - Revenue	Tax Collector	9092436662
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930144
TANGEDCO	Junior Engineer	04423781659
BSNL	Assistant Engineer	9444953548
Fire service	Inspector	04424769101
Police station	Inspector	4423452766
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 145**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190445
GCC - Electrical	Assistant Engineer	9445477685
GCC- Health	Sanitary Inspector	9445025945
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190645
GCC - Revenue	Tax Collector	9444436587
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930145
TANGEDCO	Junior Engineer	04424792777
BSNL	Assistant Engineer	9444979396
Fire service	Inspector	04424769101
Police station	Inspector	04424873820
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 146**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190446
GCC - Electrical	Assistant Engineer	9445477687
GCC- Health	Sanitary Inspector	9445025946
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190646
GCC - Revenue	Tax Collector	9884267278
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930146
TANGEDCO	Junior Engineer	04423781659
BSNL	Assistant Engineer	9444000272
Fire service	Inspector	04424769101
Police station	Inspector	4423452766
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 147**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190447
GCC - Electrical	Assistant Engineer	9445191459
GCC- Health	Sanitary Inspector	9445025947
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190647
GCC - Revenue	Tax Collector	9092436662
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930147
TANGEDCO	Junior Engineer	04423781659
BSNL	Assistant Engineer	9444993300
Fire service	Inspector	04424769101
Police station	Inspector	4423452766
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 148**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190448
GCC - Electrical	Assistant Engineer	9445477685
GCC- Health	Sanitary Inspector	9445025948
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190648
GCC - Revenue	Tax Collector	9444436587
Revenue	Revenue Inspector	9790850194
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930148
TANGEDCO	Junior Engineer	04424792777
BSNL	Assistant Engineer	9444979396
Fire service	Inspector	04424769101
Police station	Inspector	04424873820
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 149**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190449
GCC - Electrical	Assistant Engineer	9445191459
GCC- Health	Sanitary Inspector	9445025949
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190649
GCC - Revenue	Tax Collector	8754570336
Revenue	Revenue Inspector	9790850194
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930149
TANGEDCO	Junior Engineer	9445850218
BSNL	Assistant Engineer	9445392328
Fire service	Inspector	04424769101
Police station	Inspector	04422496189
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 150**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190450
GCC - Electrical	Assistant Engineer	9445477684
GCC- Health	Sanitary Inspector	9445025950
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190650
GCC - Revenue	Tax Collector	9790779925
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930150
TANGEDCO	Junior Engineer	9445850261
BSNL	Assistant Engineer	9445026657
Fire service	Inspector	04424769101
Police station	Inspector	04423452767
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 151**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190451
GCC - Electrical	Assistant Engineer	9445477684
GCC- Health	Sanitary Inspector	9445025951
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190651
GCC - Revenue	Tax Collector	9444806952
Revenue	Revenue Inspector	9790850194
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930151
TANGEDCO	Junior Engineer	9445850261
BSNL	Assistant Engineer	9445026657
Fire service	Inspector	04424769101
Police station	Inspector	04423452767
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 152**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190452
GCC - Electrical	Assistant Engineer	9445191459
GCC- Health	Sanitary Inspector	9445025952
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190652
GCC - Revenue	Tax Collector	9444517936
Revenue	Revenue Inspector	9790850194
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930152
TANGEDCO	Junior Engineer	9445850218
BSNL	Assistant Engineer	9445392328
Fire service	Inspector	04424769101
Police station	Inspector	04422496189
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 153**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190453
GCC - Electrical	Assistant Engineer	9445477684
GCC- Health	Sanitary Inspector	9445025953
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190653
GCC - Revenue	Tax Collector	9884397045
Revenue	Revenue Inspector	8754412939
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930153
TANGEDCO	Junior Engineer	9445850261
BSNL	Assistant Engineer	9445026657
Fire service	Inspector	04424769101
Police station	Inspector	04423452767
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 154
Ward Councillor -

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190454
GCC - Electrical	Assistant Engineer	9445477686
GCC- Health	Sanitary Inspector	9445025954
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190654
GCC - Revenue	Tax Collector	9790779925
Revenue	Revenue Inspector	9790850194
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930154
TANGEDCO	Junior Engineer	9445850191
BSNL	Assistant Engineer	9444482692
Fire service	Inspector	04424769101
Police station	Inspector	04422496189
PWD	Assistant Engineer	044 2486 4626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 155**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190455
GCC - Electrical	Assistant Engineer	9445477686
GCC- Health	Sanitary Inspector	9445025955
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190655
GCC - Revenue	Tax Collector	9444806952
Revenue	Revenue Inspector	9790850194
GCC - Park overseer	Park Supervisor	9841224510
CMWSSB	Assistant Engineer	8144930155
TANGEDCO	Junior Engineer	9445850191
BSNL	Assistant Engineer	9444482692
Fire service	Inspector	04424769101
Police station	Inspector	04422496189
PWD	Assistant Engineer	044 24864626
TNSCB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9443734569
Highways	Assistant Divisional Engineer	9444254404

ZONE - XII

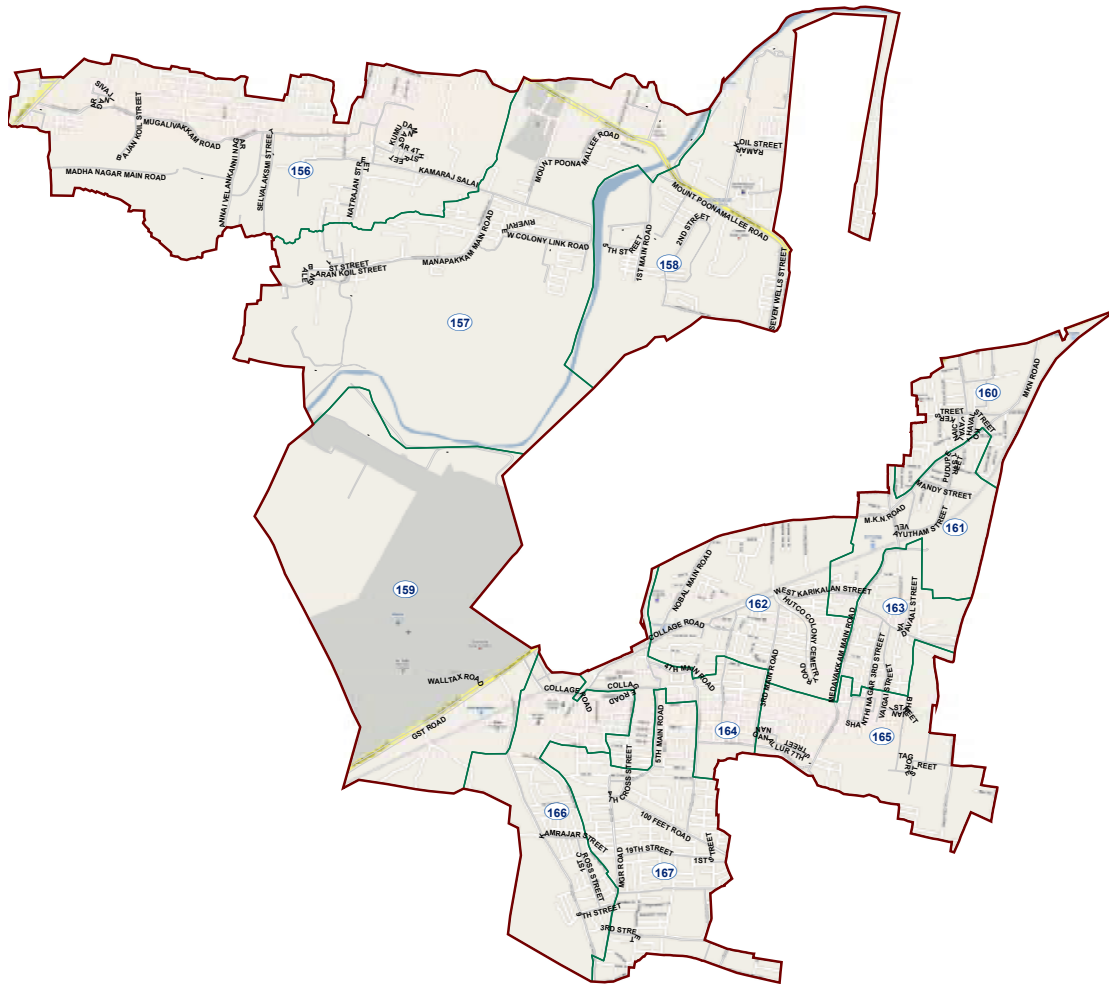
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ZONE XII - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Alandur	156 TO 167

Profile

The Alandur zone lies in **Latitude 13.0052°**, **Longitude 80.20248°** covering an area of **41.50 Sq.km**.

There are 1679 roads, out of which 1637 roads to a length of 218.48 Km are Interior Roads, 26 Roads to a length of 11.14 Km are Bus Route Roads which are maintained by GCC and the remaining 16 roads (21.18 km) are under the maintenance of Highways department.

The population is about 2.65 lakhs that has Male population of 50.19% and Female population of 49.81 % In this zone, the most densed area in the zone is Manapakkam with a population of 44,485 and the least is Meenambakkam with a population of 4,400. The Ward wise population of the zone is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	156	7695	30780
2	157	4238	16950
3	158	3493	13970
4	159	1483	5932
5	160	4377	17507
6	161	4849	19394
7	162	8457	33829
8	163	3342	13369
9	164	4111	16442
10	165	7218	28871
11	166	7986	31945
12	167	9242	36966
Total		66489	265955

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	156 to 167	
2.	Zonal Officer	156 to 167	9445190012

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	156 to 161	9445190037
2	Executive Engineer-2	162 to 167	9445190032
3	Assistant Executive Engineer	Unit -35	9445190135
4	Assistant Executive Engineer	Unit -36	9445190136
5	Assistant Executive Engineer	Unit -37	9445190137
6	Assistant Divisional Engineer, Electrical	156 to 167	9445190052
7	Junior Engineer, Mechanical	156 to 167	9445026115

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservancy supervisor	U-35 (156 to 158, 159)	9445191435
2	Conservancy supervisor	U-36 (160, 161 to 163)	9445191436
3	Conservancy supervisor	U-37 (164 to 167)	9445191437

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone XII	9445190072
2	Veterinary surgeon	Zone XII	9445026049
3	Junior Entomologist	Zone XII	9444682514
4	Sanitary Officer	Unit -35	9962604721
5	Sanitary Officer	Unit -36	9940026757
6	Sanitary Officer	Unit -37	9994845747

Parks

There are 48 Parks available in Mugalivakkam, Manapakkam, Nandambakkam, Alandur, Thillai Ganga Nagar, Palavanthangal, Nanganallur & Adambakkam. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9790830380 Park Overseer	Power saw – 20 nos Pruner: 13 nos	Alandur

S.No	Ward	Name / Location of the Park
1	156	Sabari nagar 5th street, Mary gold street,AGS Colony, Sabari Nagar 2nd Main road,V.N.D. Rajeswari Avenue Vaigai street,SSI Green Park, Madhanandhapuram Main road,Annai Velankanni Nagar Phase I 2nd Street,Annai Velankanni Nagar Phase I 5th Street,Madha Nagar 2nd street,Gurusamy Nagar Devadoass Street,V.N.D. Rajeswari Avenue Sindu street,Kumudam nagar,CRR puram (L&T) Park,AGS Colony phase -3,Nathamuni street park,AGS Colony Sabari nagar1st main road,Kundrathur main road,VGN Lakshmi nagar Viswanathan Palani,Kalaimagal nagar park,Subhasri Nagar Extn ,Santhosh Nagar Park,XS Real Park,Annai Velankanni Park,Shanthinekathan Park,Miyawaki forest
2	157	River view colony Phase II,River view colony Phase I,BHEL nagar,Kavya garden,Macro marvel river county,Manappakkam Arcot Salai park,River view colony park
3	158	Sundar 3rd Avenue nagar,
4	160	New street,
5	161	Officers Colony,TNGO Colony,Murugan Nagar,Jeevan nagar,
6	162	Thiruvalluvar nagar 1st street, Thiruvalluvar nagar 3rd street ,T.G. nagar 39th street,
7	163	Shanthi nagar 3rd street
8	164	Nanganallur 29th street,Nehru street,
9	165	South sector II nd street,Balaji nagar, Nethaji street,Lakshmi nagar, Bharath nagar, Surendra nagar
10	166	Anna Park,
11	167	Independence day park,Nanganallur 46th street,Lakshmi nagar 7th street,Vijay Avenue,Hindu colony,Jain staff colony,MMTC Colony , Eswaran street,Kanniga colony,Voltas colony 1st street,Voltas colony 3rd street,Lakshmi nagar 4th street,Kannan nagar 1st main road,SBI Colony Main Road ,Kannan nagar 1ST cross street,Civil aviation colony, Nanaganallur 100 feet road, East main road

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There is one pumping stations available in Alandur Zone with capacity of 50 MLD for pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Nilamangai nagar	50 MLD	150 HP - 1 100 HP - 2 50 HP - 2

Tamil Nadu Slum Clearance Board tenements

There are no TNSCB tenements in Alandur Zone.

Water Bodies and Waterways

There is one canal passing in this zone **Manapakkam canal**, maintained by PWD which originates from Mugalivakkam and travels about 3 Km in the zone and disposes via MGR Nagar and then melds at Adyar river.

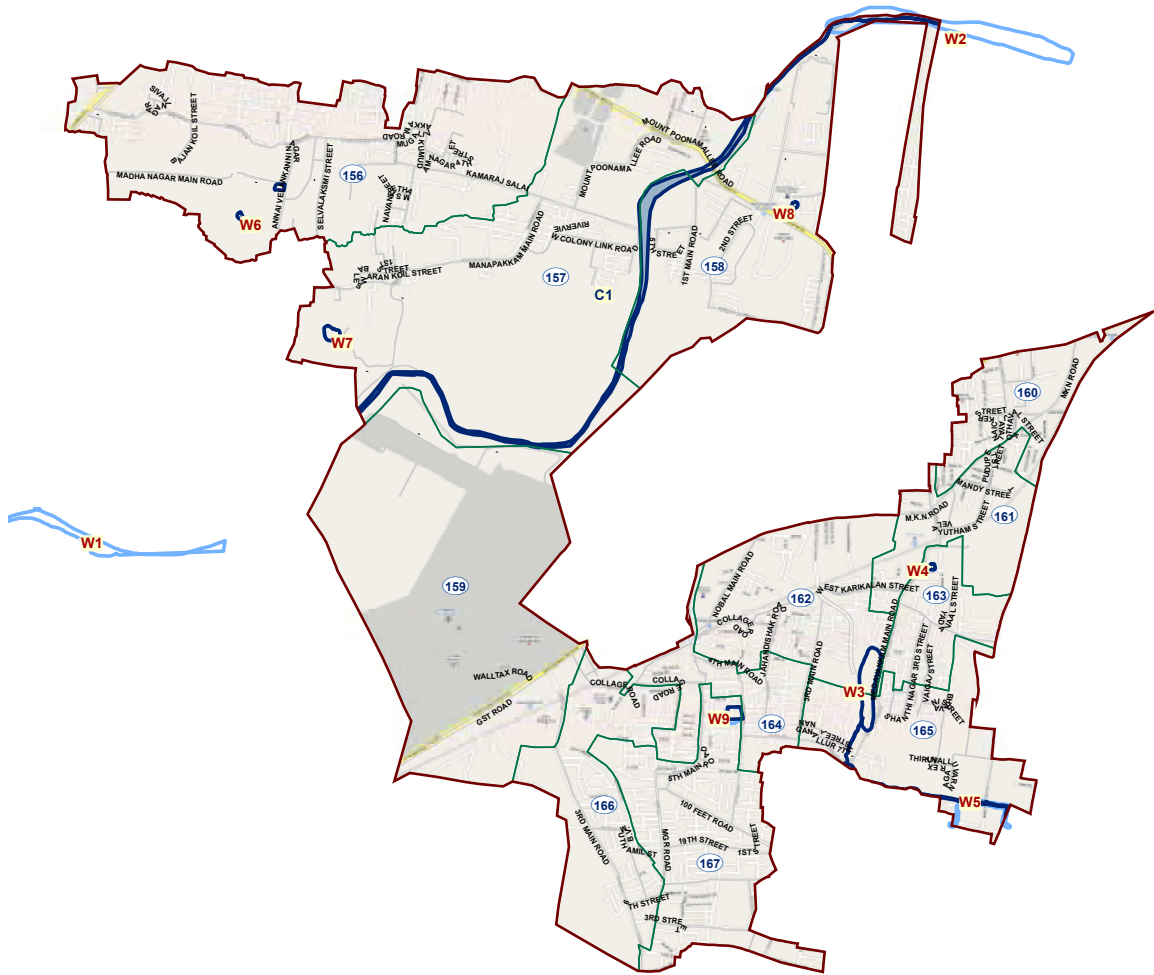
Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 121.03 km to ease the flow of rain water. .

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Ward covered	From	To	Length of Canal (Km)
1	Manapakkam Canal	157	Mugalivakkam	Adyar river	3

ZONE XII - WATER BODIES



OTHER WATER BODIES

Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Length / Area
W1	157	Manapakkam Adyar River	3km
W2	158	Nandambakkam Adyar River	2km
W3	162	Adambakkam Lake	1.20km
W4	163	Nandeeswaran Koil Kulam in East Karikalan 1 st street near S.P Hospital (Kulam)	1930m ²
W5	165	Veerangal Odai	1.50 Km
W6	156	Alwanchery, V.G.N. Lakshmi nagar (Tank)	3 Km
W7	157	Dharumarajpuram, MGR road (Vannan Kulam Tank)	1972 m ²
W8	158	Ramar Koill Tank	1296 m ²
W9	164	Pannachiamman koil tank	10000 m ²

CANAL

Canals					
ID. No.	Wards	Name of the Canal	From	To	Length of Canal (Km)
C1	157	Manapakkam Canal	Mugalivakkam	Adyar river	3

Other water bodies

19S. No	Ward no.	Name of other water bodies	Length/Area in M ²
1	156	Panichathamman koil kulam	825
2	156	Alwanchery (pond)	861.25
3	156	Vannan kulam in Othavadai street	4281.57
4	157	Dharumarajpuram, MGR road (Vannan Kulam Tank)	1972 m2
5	157	Thithi kulam , M.G.Road	3000
6	157	Kuttai (AS per adanagal) 513	Fully Covered with Building(Casa grand)
7	157	Kuttai (AS per adanagal)518	Fully Covered with huts
8	157	Manapakkam mugalivakkam canal	3.65 km
9	164	Ramar koil (Pond)	1296
10	158	Nandambakkam canal	2 km
11	158	Adayar river	3 km
12	157,158	Subramaniya swamy koil street (Pond)	618
13	161	Nandeeswaran koil kulam in East karikalan 1st street	1930
14	163	Ramakrishnapuram 3rd street in between New colony main road (canal) and Ramakrishnapuram 3rd street	240
15	163	Adambakkam lake	138196 m2
16	162,163,	Panichiamman koil Pond(Nanganallur 4th main road)(Pond)	10000 m2
17	164	Veerangal odai	12500

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, Construction of Integrated Storm Water Drain to a length of 280 Km at a cost of Rs. 1100 Crore including revamping 4 canals is under progress and is estimated to be completed by 2018.

751 storm water drains to a length of 146.69 Km were constructed to ease the flow of rain water in Alandur zone. The details of SWD and instructions to be followed before and during rain are given below.

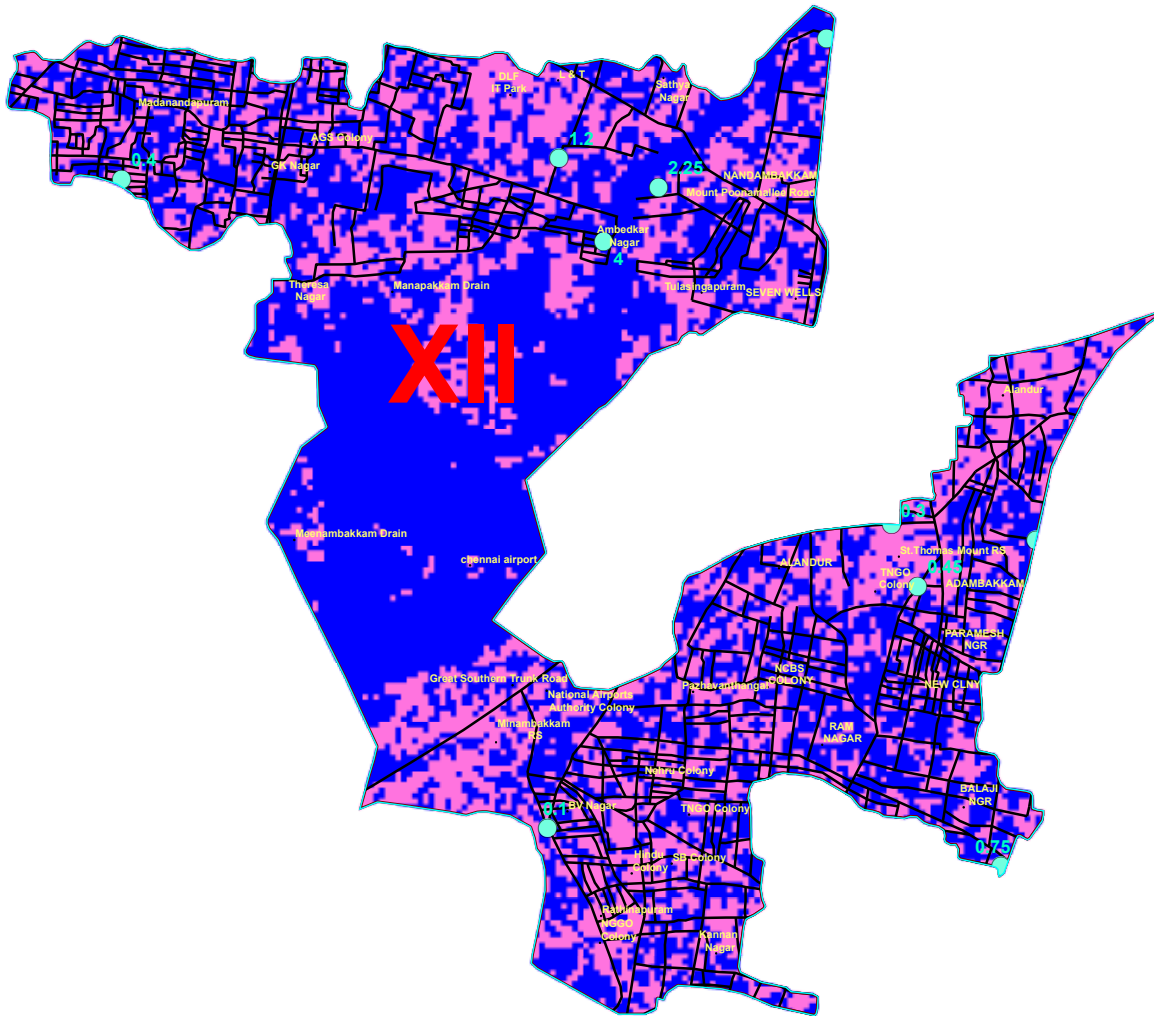
Sl.No	Ward	Total no of SWD	Length of SWD in “m”
1	156	192	39259.70
2	157	90	11939.00
3	158	73	10067.00
4	159	15	2970.00
5	160	44	10893.00
6	161	50	9310.00
7	162	56	13006
8	163	42	10020.00
9	164	78	17663.00
10	165	93	17583.00
11	166	74	16052.00
12	167	131	30160.00
	Total	938	188923.10

Streets - water stagnated in the previous monsoon during heavy rain

During the last monsoon, 31 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	156	Thiruvalluvar	5 HP	Street corner	Near by drain
2	156	VGNlaxmi nagar		Street corner	Near by drain
3	156	Bhell nagar		Street corner	Near by drain
4	156	Gowri nagar		Street corner	Near by drain
5	156	Shanmuga nagar		Street corner	Near by drain
6	157	River view colony	10 HP	Street corner	Near by drain
7	157	Bell nagar		Street corner	Near by drain
8	157	Kavya garden		Street corner	Near by drain
9	157	Sathya nagar		Street corner	Near by drain
10	158	Woodgreek county 2 nd main road	1 HP	Street corner	Near by drain
11	158	Woodgreek county 3 rd cross street		Street corner	Near by drain
12	158	Burma colony		Street corner	Near by drain
13	160	Madavapuram east street	2HP	Street corner	Near by drain
14	160	Madavapuram north street		Street corner	Near by drain
15	160	Madavapuram west street		Street corner	Near by drain
16	161	Raja street	5HP and 10 HP	Street corner	Near by drain
17	161	V O C nagar		Street corner	Near by drain
18	162	Thillai Ganga nagar 27 th street	10 HP and 15 HP	Street corner	Near by drain
19	162	Thillai ganga nagar 28 th street		Street corner	Near by drain
20	162	Kannan colony		Street corner	Near by drain Near by drain
21	163	Shanthi nagar 7 th street		5HP	Street corner
22	163	Shanthi nagar 7 th street extn	Street corner		Near by drain

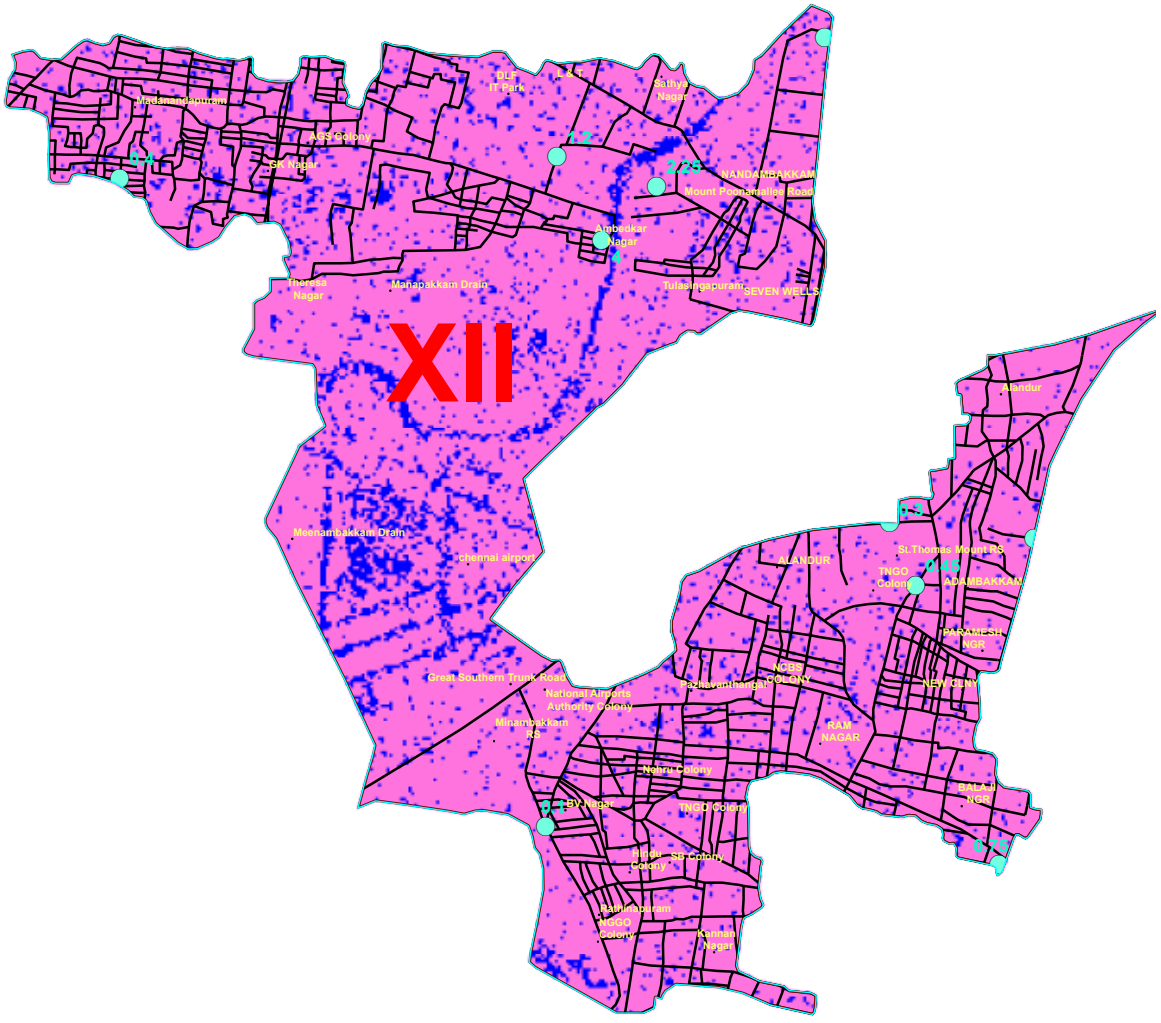
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



SCALE 1:28,000
0 0.5 1 2 Km

- LEGEND**
- FIELD POINTS
 - ROAD
 - ZONE BOUNDARY
 - NON-INUNDATION
 - INUNDATION

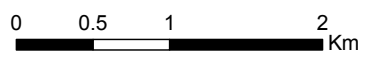
INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



LEGEND

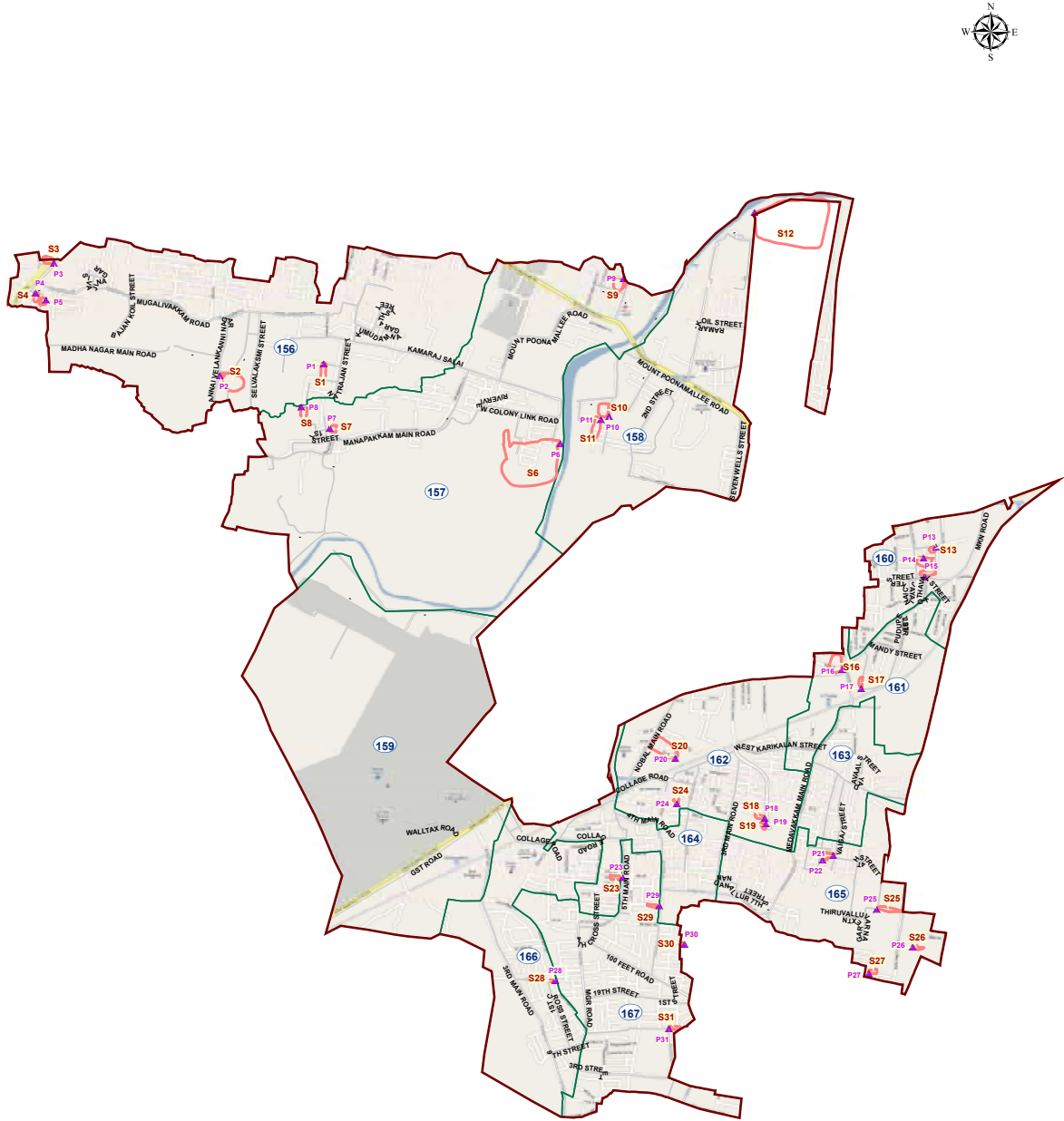
- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:28,000



ZONE XII

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon

Location of Diesel Pump Location

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
23	164	Nehru colony 21 st street	10HP and 15 HP	Street corner	Near by drain
24	164	Brindavan nagar		Street corner	Near by drain
25	165	Income tax colony main road /vel nagar 1 st street	6HP and 7.5 HP and 10 HP.	Street corner	Near by drain
26	165	Bhuvaneshwari nagar 3 rd street		Street corner	Near by drain
27	165	Bharathidasan nagar main road , 2 nd street		Street corner	Near by Through vacant land
28	166	Kamarajar oodai street	5 HP	Street corner	Near by drain
29	167	Nanganallur 44 th street		Street corner	Near by drain
30	167	Lakshmi nagar 3 rd stage 2 nd street	2.5 HP	Street corner	Near by drain
31	167	East main road (Lakshmi nagar 4 th stage)		Street corner	Near by drain

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

Streets - water stagnated in the previous monsoon during - mild rain

S.No.	ward	Name of the Street
NIL		

Streets - water stagnated in the previous monsoon durin - moderate rain

S.No.	ward	Name of the Street
NIL		

Stagnation of water in streets due to sewer blocks

In Alandur Zone, the following were the streets which had sewer blocks.

SI.No.	Ward	Streets	No. of manholes
1	165 to 167	NIL	

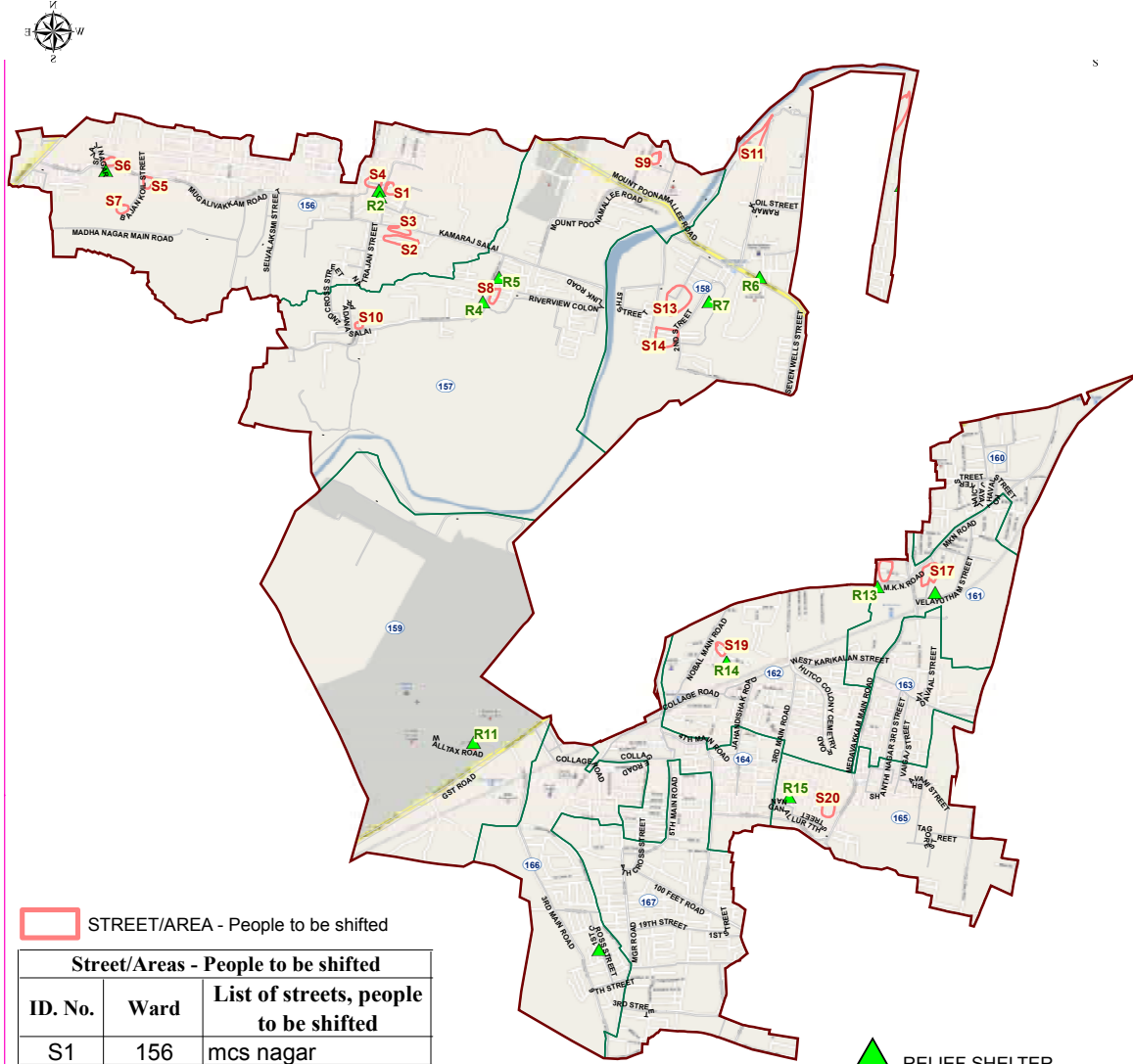
Relief Centres

There are 9 relief centres to a total capacity of 2450 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact
1	156	500	1. Govt. High School, Padasalai Street	MCS nagar, Pajanai kovil ster,	Available	Available	Available	Sanitation, Medicine	SI	9445025956
			2. Corporation Primary School, Padasalai Street	Thulukathamman koil street, padasalai street				Evacuation	AE	9445190756
			3. Corporation Middle School, Madananadhapuram Main Road Ch- 600125	Kumari nagar, OM sakthi nagar, Bungalow thope.				Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190756

SI. No.	Ward	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact
2	157	550	1. Corporation Middle School - M.G.Salai	M.G.Salai	Available	Available	Available	Sanitation, Medicine	SI	9943229223
			2. Community Hall	Sathiya nagar, Bell nagar				Evacuation	AE	9445190757
								Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190757
3	158	400	1. Corporation Primary School, Mount Poonamallee	MGR Nagar	Available	Available	Available	Sanitation, Medicine	SI	9791582299
			2. IDPL Primary School	Burma colony				Evacuation	AE	9445190758
			3. Kuthallamman Temple Kalyana Mandabam					Food & Drinking water	ARO	9445190092
			4. Cantonment School, Mount Poonamallee					Relief Materials	AE	9445190758
			5. Cantonment Community Hall					Dulasingapuram & Ganapthy colony		
4	159	100	Adi Dravidar School, Kamarajar street, Meenambakkam, Chennai- 600 027	Kamarajar street	Available	Available	Available	Sanitation, Medicine	SI	8428446379
								Evacuation	AE	9677340896/ 9445190759
								Food & Drinking water	ARO	9445190092
5	161	200	Nidhi School - ponniamman kovil street	VOC street	Available	Available	Available	Relief Materials	AE	9677340896/ 9445190759
								Sanitation, Medicine	SI	9445025962
								Evacuation	AE	9445190761
								Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190761

ZONE XII EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	156	mcs nagar
S2	156	pajanai kovil street
S3	156	Thulukathamman
S4	156	padasalai street
S5	156	Kumari nagar
S6	156	OM sakthi nagar
S7	156	Bungalow thope
S8	157	M.G.Salai
S9	157	sathiyannagar
S10	157	bell nagar
S11	158	MGR nagar
S12	158	Burma colony
S13	158	Dulasingapuram
S14	158	Ganapthy colony
S15	159	Kamarajar street
S16	161	VOC street
S17	161	VOC street
S18	161	Raja street
S19	162	Kannan colony
S20	165	Indira nagar

▲ RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Address of relief centres available
R1	156	Govt. High School, Padasalai Street
R2	156	Corporation Primary School, Padasalai Street
R3	156	Corporation Middle School, Madananadhapuram Main Road
R4	157	Corporation Middle School, M.G.Salai
R5	157	Community Hall
R6	157	Corporation Primary School, Mount Poonamallee
R7	157	IDPL Primary School
R8	157	Kuthallamman Temple Kalyana Mandabam
R9	157	Cantonment School, Mount Poonamallee
R10	157	Cantonment Community Hall
R11	157	Adi Dravidar School, Kamarajar street, Meenambakkam
R12	157	Nidhi School, ponniamman kovil street
R13	157	CPS school, MKN road
R14	157	Community Hall & Gym Building
R15	157	Corporation School Nanganallur 8th street
R16	157	Corporation Primary school

SI. No.	Ward	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact
6	161	200	CPS school ,MKN road	VOC street, Raja street				Sanitation, Medicine	SI	9445025961
								Evacuation	AE	9445190761
								Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190761
7	162	150	Community Hall & Gym Building	Kannan Colony	Available	Available	Available	Sanitation, Medicine	SI	9445025962
								Evacuation	AE	9445190762
								Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190762
8	165	250	Corporation School Nanganallur 8th street -	Indira Nagar	Available	Available	Available	Sanitation, Medicine	SI	9445025965
								Evacuation	AE	9445190765
								Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190765
9	166	100	Corporation Primary school	-	Available	Available	Available	Sanitation, Medicine	SI	9445025966
								Evacuation	AE	9445190767
								Food & Drinking water	ARO	9445190092
								Relief Materials	AE	9445190766

Subway

There are four subways available in this zone namely Meenambakkam Subway, Mount subway, Thillai Ganga Nagar subway and pazhavanthangal subway. The electrical pumps and diesel pumps installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Ward.	Location	Length of the subway	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	159	Mount Subway	300m	Velachery Lake	Submersible (50Hp-2, 25Hp-1, 10Hp-1), Electric (25Hp-1, 10Hp-1), Diesel (25Hp-1, 10Hp-2)
2	161	Thillai Ganga Subway	455m	Adambakkam Lake	Submersible (50Hp-3, 25Hp-3, 15Hp-1), Diesel (25 Hp-4, 16Hp-1, 13Hp-2)
3	162	Phazhavanthangal subway	305m	Adambakkam Lake	Submersible (50Hp-2, 25Hp-1, 10Hp-1) Diesel (25Hp-1, 12.5Hp-1, 12Hp-1, 5Hp-1)
4	164	Meenambakkam Subway	411m	Veerangal Oodai	Submersible (50Hp-1, 15Hp-2) Diesel (32Hp-1, 16Hp-2)

Tree fall

During the last monsoon, in Alandur zone totally 36 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward	Name of the Streets
1	156	Subha sree nagar 4th street extn, A.G.S. colony park, Thiruvalluvar Nagar, Rajaeshwari Avenue
2	157	Garden road, Manapakkam main road, C.R.R. Puram, M. G Salai
3	158	Wood creek county (2 nos), Defence Colony (1 no)

SI.No.	Ward	Name of the Streets
4	161	Muthiyal reddy street
5	162	T.G. nagar 22nd street (2 nos), T.G. nagar 6th main road, T.G. 8th street
6	164	Nanganallur 17th street, Nanganallur 36th street
7	165	Ram nagar 7th street(2 nos), Nanganallur 10th street, Lakshmi nagar 2nd street, Vivekanandar street, Bharath nagar park, Balaji nagar 5th street, New colony 8th street, Ram nagar 2nd main road, Mamaganallur 10th street
8	166	Jain college road, Joseph 1st street
9	167	Nanganallur 5th main road 1st lane (2 nos), lakshmi Main road (1 no) Nanganallur 6th main road, Voltas colony and 100 feet road

Streets where water entered houses - do not require evacuation

During the last monsoon, 42 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 42 locations were inundated for more than a day by which the normal day to day activity of 1650 people were stand-stilled. Flood water from these areas were cleared by using 10 pumps ranging from 1 HP to 15 HP capacity. The identified vulnerable spots is as below,

SI.No.	Ward	Name of the Area/Streets
1	156	Thiruvalluvar Nagar, Arumugam Nagar, Gowri Nagar and CRR Puram

Sl.No.	Ward	Name of the Area/Streets
2	157	Krishna Nagar, Ambedkar Nagar, Indira Nagar
3	158	Ganapathypuram, Thulasingapuram
4	159	Bharathiyar Street, Anna Street and Thiru-Vi-Ka Street
5	160	Madhavapuram East Street. Madhavapuram South Street, Madhavapuram North Street
6	161	Raja Street and V.O.C Nagar
7	162	Kannan Colony, Bharathiyar 2nd Street, Thiruvalluvar Nagar 2nd Street, 3rd Street, 4th Street ,Marizon 1st Street and Marizon 2nd Street
8	163	Erikarai Street
9	164	Nehru Colony 13th Street to 22nd Streets and Brindavan Nagar
10	165	Indira Nagar , Balaji Nagar and Nilamangai Nagar
11	166	B.V. Nagar 13th Street.
12	167	Nanganallur 44th Cross Street and Lakshmi Nagar East Main road

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Alandur zone there were 2150 people were evacuated from Thiruvalluvar nagar, MCS nagar, Dharmarajapuram, Puratchi thalaivi nagar, etc and they were accomodated in Government schools. They

were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations of relief centres are given below,

Sl. No.	Ward	Streets	No. of persons	Years	Relief centre
1	156	Thiruvalluvar nagar	100	2015	1. Govt. High School, Padasalai Street 2. Corporation Primary School, Padasalai Street 3. Corporation Middle School, Madananadhapuram Main Road Chennai-600 125
2	156	MCS nagar	100	2015	
3	157	Dharmarajapuram, Puratchi Thalaivi Nagar	450	2015	1. Corporation Middle School - M.G.Salai 2. Community Hall
4	157	Dr. Ambedkar Nagar	150		
5	158	Burma Colony	400	2015	1. Corporation Primary School, Mount Poonamallee 2. IDPL Primary School 3. Kuthallamman Temple Kalyana Mandabam 4. Cantonment School, Mount Poonamallee 5. Cantonment Community Hall
6	159	Kamarajar street	100	2015	Adi Dravidar School, Kamarajar street, Meenambakkam, Chi-27
7	161	V.O.C. Nagar	200	2015	Nidhi School - ponniamman kovil street
8	161	Raja Street	200	2015	CPS school ,MKN road
9	162	Kannan colony	100	2015	Community Hall & Gym Building
10	165	Indra nagar 1st and 2nd streets	250	2015	Nanganallur 8th street - C.P.S South new street

Sl. No.	Ward	Streets	No. of persons	Years	Relief centre
11	166	K.K. Nagar	100	2015	Corporation Primary school

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 8 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staffs.

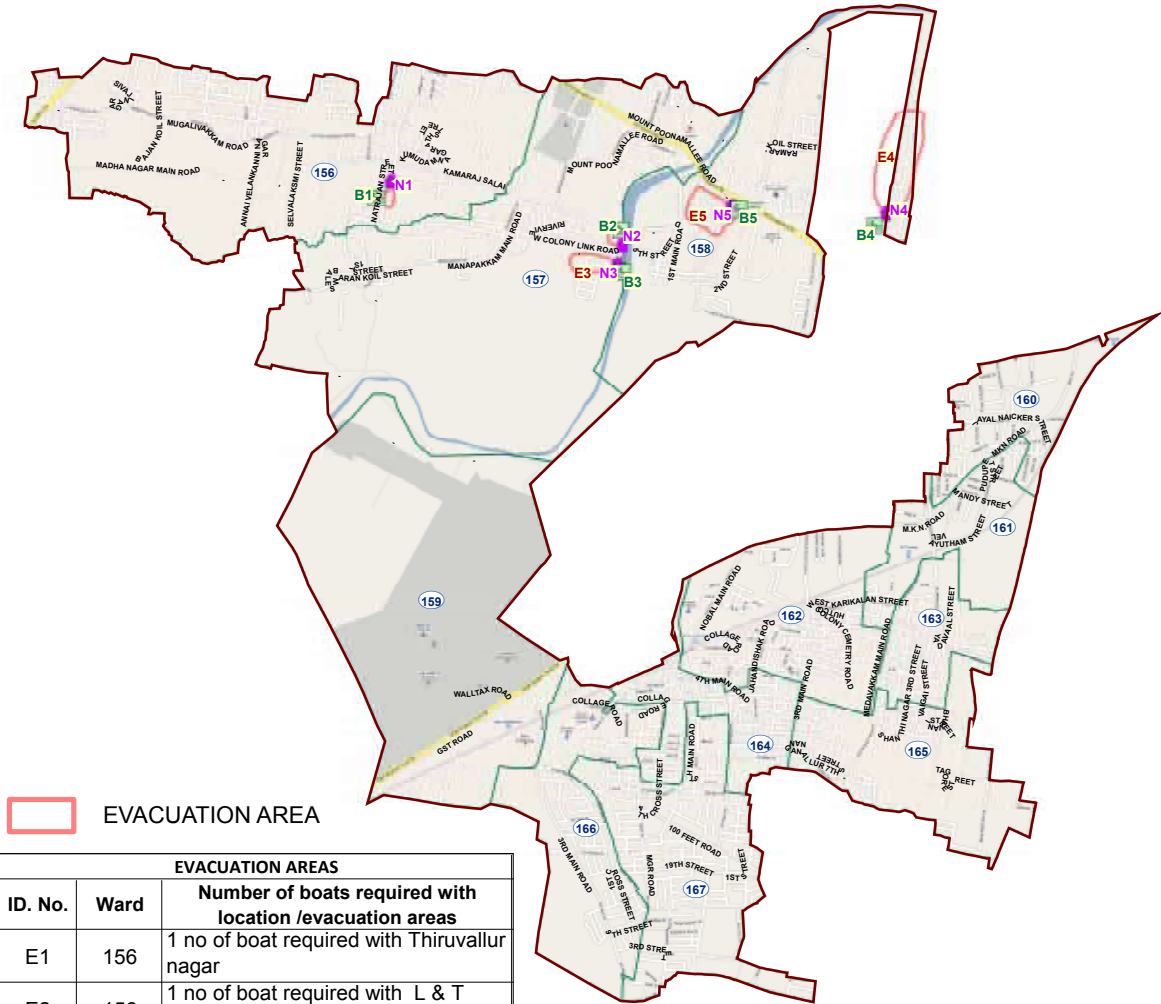
Sl. No.	Ward	Contact person	
		Designation	Phone number
1	156 & 157	Assistant Engineer	9445190756 / 9445190757
2	158	Junior Engineer	9445190758
3	159,161,162	Assistant Engineer	9445190759 / 9445190761 9445190762
4	160,163	Assistant Engineer	9445190760/9445190763
5	165	Junior Engineer	9445190765
5	164,167	Assistant Engineer	9445190764/ 9445190767
6	166	Junior Engineer	9445190766

National Disaster Response Force (NDRF)

In Alandur zone, the NDRF to be stationed locations is given below,

S.No	Div. No.	Where NDRF to be stationed and deployed
1	156	Thiruvallur nagar
2	156	L and t CRR puram
3	157	River view colony
4	158	IDPL

ZONE XII EVACUATION , NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	156	1 no of boat required with Thiruvallur nagar
E2	156	1 no of boat required with L & T CRR Puram
E3	157	2 nos of boats required with river view colony
E4	158	2 nos of boats required with IDPL
E5	158	2 nos of boats required with defence officer colony

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	156	Thiruvalluvar Nagar
B2	156	CRR Puram
B3	157	River View Colony
B4	158	Nandambakkam
B5	158	Defence Colony

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	156	Thiruvallur nagar
N2	156	L and t CRR puram
N3	157	Defence officer colony
N4	157	River view colony
N5	158	IDPL

NDRF

The Commandant
 04, Battalion(NDRF)
 Suraksha Campus
 Takkolam, Arakkonam
 Vellore District – 631 152
 Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below

Sl.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Location	Contact Number
1	157	1 nos of boats required with river view colony	River View Colony	9445190758
2	158	1 nos of boats required with IDPL	Burma tamizhar colony	9445190758

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 2 debris lorries, 2 skid steer loaders and 1 front end loader are stationed for performing the job. The details of the lorries available in the zone are given below

No. of lorries and type kept in readiness	
Debris lorry	- 3
Skid steer loaders (Bob cat)	- 3
(Front end loader) JCB	- 1

Sl. No.	Depot A.E Contact No.	Availability of Lorries					Debris lorry	TATA ACE
		JCB	Bobcat	Open lorry	Water tanker Lorry	Hydraulic Ladder		
1	9445026094	1	3	2	1	1	3	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

In Alandur Zone there are no streets which are less than 2.5 m width. All the Zones are accessible with vehicles.

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details of other line departments and the measures and actions to be taken before and during the rain is given below,

Ward committee - 156**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190756
GCC - Electrical	Assistant Engineer	9445191463
GCC- Health	Sanitary Inspector	9791096272
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190806
GCC - Revenue	Tax Collector	9941290401
Revenue	Revenue Inspector	9791196542
GCC - Park overseer	Park Supervisor	9445036544
CMWSSB	Assistant Engineer	8144930156
TANGEDCO	Junior Engineer	9445850192
BSNL	Assistant Engineer	9445010432
Fire service	Inspector	8300063745
Police station	Inspector	9600138557
PWD	Assistant Engineer	7010622932
TNSCB	Assistant Engineer	7010523262
Highways	Divisional Engineer	7904878273

Ward committee – 157**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190757
GCC - Electrical	Assistant Engineer	9445026090
GCC- Health	Sanitary Inspector	9943229223
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190807
GCC - Revenue	Tax Collector	9941625179
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930157
TANGEDCO	Junior Engineer	9445850192
BSNL	Assistant Engineer	9445172226
Fire service	Inspector	9445086050
Police station	Inspector	8124494876
PWD	Assistant Engineer	9443227382
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

Ward committee – 158**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190758
GCC - Electrical	Assistant Engineer	9445026090
GCC- Health	Sanitary Inspector	9791582299
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190808
GCC - Revenue	Tax Collector	9441625179
Revenue	Revenue Inspector	9791196542/ 9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930158
TANGEDCO	Junior Engineer	9445850190
BSNL	Assistant Engineer	9445172226
Fire service	Inspector	9865862993/ 9445086050
Police station	Inspector	8124494876
PWD	Assistant Engineer	9443227382
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9944180602

Ward committee – 159**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190759
GCC - Electrical	Assistant Engineer	9445910960
GCC- Health	Sanitary Inspector	8428446379
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9710675931
GCC - Revenue	Tax Collector	9884759276
Revenue	Revenue Inspector	9791196542
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930159
TANGEDCO	Junior Engineer	9445850190
BSNL	Assistant Engineer	9445172226
Fire service	Inspector	9865862993
Police station	Inspector	8056112234
PWD	Assistant Engineer	9486693837
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 160**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190760
GCC - Electrical	Assistant Engineer	9445477682
GCC- Health	Sanitary Inspector	9445025960
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190809
GCC - Revenue	Tax Collector	994129040
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8411930160
TANGEDCO	Junior Engineer	9445850194
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9498132020
PWD	Assistant Engineer	9443789927
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 161**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190761
GCC - Electrical	Assistant Engineer	9445910960
GCC- Health	Sanitary Inspector	9445025962
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190811
GCC - Revenue	Tax Collector	8664418200
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930161
TANGEDCO	Junior Engineer	9445850194
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9444970835
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 162**Ward Councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190762
GCC - Electrical	Assistant Engineer	9445910960
GCC- Health	Sanitary Inspector	9962773725
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190812
GCC - Revenue	Tax Collector	8664418200
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144960162
TANGEDCO	Junior Engineer	9445850187
BSNL	Assistant Engineer	9444979384/ 9486104010
Fire service	Inspector	9445083053
Police station	Inspector	9444772010 9498100161
PWD	Assistant Engineer	9444266697 7200027050
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 163**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190763
GCC - Electrical	Assistant Engineer	9445477682
GCC- Health	Sanitary Inspector	9884696404
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190813
GCC - Revenue	Tax Collector /Aessesor	9789874309
Revenue	Revenue Inspector	9444876623
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930163
TANGEDCO	Junior Engineer	9445850185
BSNL	Assistant Engineer	9445013007
Fire service	Inspector	9445083053
Police station	Inspector	9498100161/ 9443808523
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 164**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190764
GCC - Electrical	Assistant Engineer	9445191464
GCC- Health	Sanitary Inspector	9498077717
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190814
GCC - Revenue	Tax Collector	9380815146
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8939730164
TANGEDCO	Junior Engineer	9445191464
BSNL	Assistant Engineer	9444979384
Fire service	Inspector	9445083053
Police station	Inspector	9840923652
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9840568582

Ward committee – 165**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190765
GCC - Electrical	Assistant Engineer	9445477682
GCC- Health	Sanitary Inspector	8248150028
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190815
GCC - Revenue	Tax Collector	9789874309
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930165
TANGEDCO	Junior Engineer	9445850186
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9444772010
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9840568582

Ward committee – 166**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190766
GCC - Electrical	Assistant Engineer	9445191464
GCC- Health	Sanitary Inspector	9360803767
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190816
GCC - Revenue	Tax Collector	9884759276
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930315
TANGEDCO	Junior Engineer	9445850131
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9840923652
PWD	Assistant Engineer	7200027080
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

Ward committee – 167**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190767
GCC - Electrical	Assistant Engineer	9445191464
GCC- Health	Sanitary Inspector	8220560026
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190817
GCC - Revenue	Tax Collector	9380815146
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930166
TANGEDCO	Junior Engineer	9445850131
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9840923652
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

ZONE - XIII

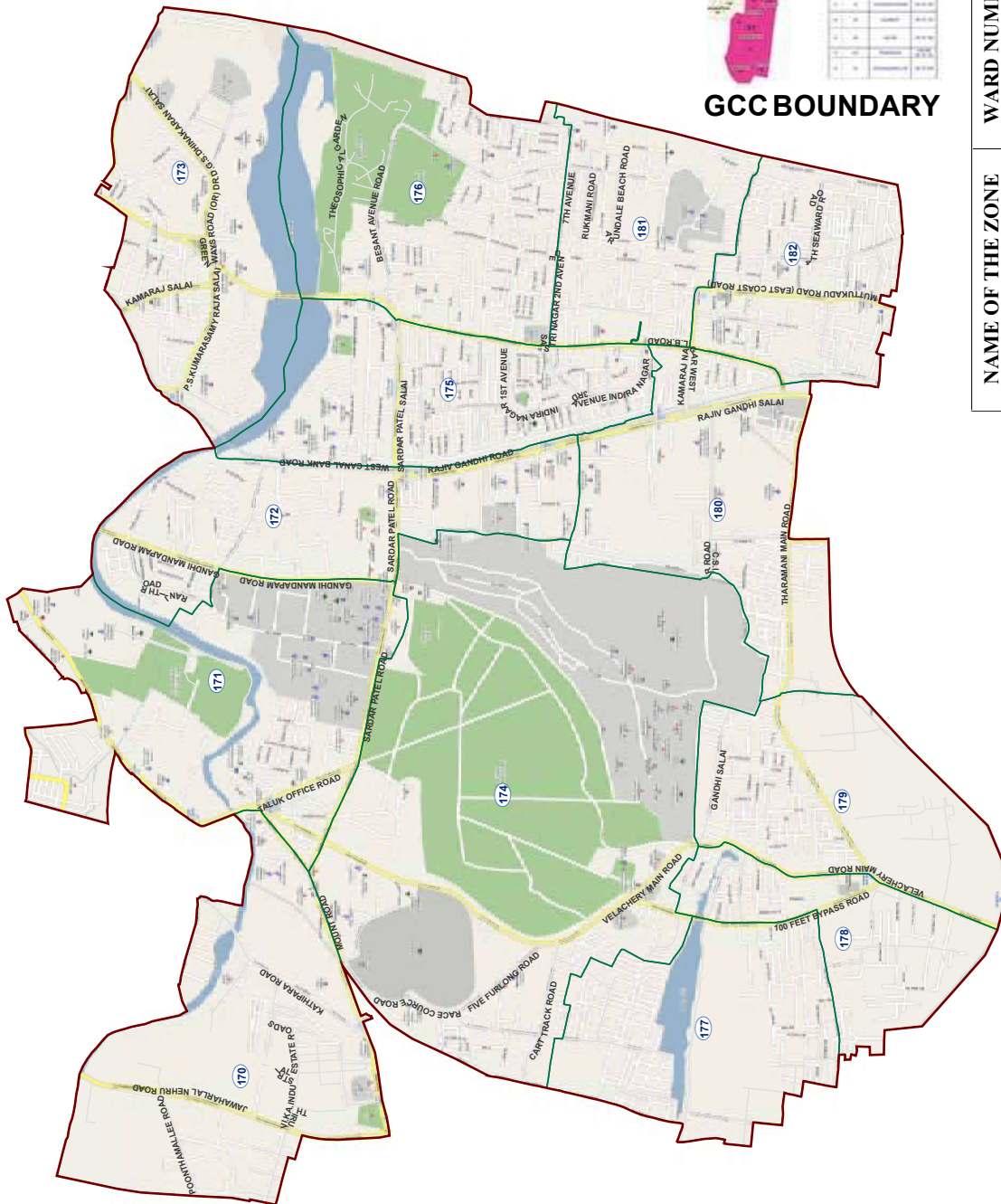
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ZONE XIII - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Adyar	170 TO 182

Profile

Adyar zone lies in Latitude 13.00501°, Longitude 80.25714° covering an area of 136.325 Sq.km.

There are 2829 roads, out of which 2765 roads to a length of 411.517 Km are Interior Roads, 53 Roads to a length of 39.617 Km are Bus Route Roads which are maintained by GCC, 10 roads are under the maintenance of Highways department and 1 Road is under the maintenance of TNRDC department

The population is about 11.57 lakhs having Male population of 50.90% and Female population of 49.10 % in this zone. The most densed areain this zone is Saidapet with a population of 1,04,558 and the least is Guindy west with a population of 71,510. The Ward wise population is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	170	17549	70196
2	171	10474	41896
3	172	19583	78333
4	173	9673	38691
5	174	8660	34640
6	175	13346	53385
7	176	13044	52175
8	177	14450	57798
9	178	14392	57567
10	179	14443	57772
11	180	8211	32844
12	181	11427	45706
13	182	11424	45697
Total		166676	666700

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, 2 Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate officers. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	170 to 182	
2	Zonal Officer	170 to 182	9445190013

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer - I	171, 172, 173, 175, 176, 180, 181 & 182	9445190033
2	Executive Engineer - II	170, 174, 177, 178, 179, 180	9445910926
3	Assistant Executive Engineer	U-38	9445190138
4	Assistant Executive Engineer	U-39	9445190139
5	Assistant Executive Engineer	U-40	9445190140
6	Assistant Executive Engineer	U-40A	9445026116
7	Additional Divisional Engineer, Electrical	170 to 182	9445190053
8	Assistant Executive Engineer, Mechanical	170 to 182	9445190138

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

SI. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Conservancy Supervisor	Unit 38	9445191438
2	Conservancy Supervisor	Unit 39	9884237998
3	Conservancy Supervisor	Unit 40	8610064280
4	Conservancy Supervisor	Night	

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and coordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

SI. No	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Assistant Health Officer	170 – 182	9445190073
2	Senior Entomologist	170 - 182	9940374804
3	Sanitary Officer	U 38	9445025878
4	Sanitary Officer	U 39	9445025961
5	Sanitary Officer	U 40	9445025895
6	Sanitary Officer	U 40A	9445025964

Parks

There are 62 Parks available in Saidapet, Kotturpuram, Adyar , Thiruvanmiyur etc. in this zone. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and

will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

S.No	Ward	Name Of Ward	Location of the Park
1	170	Guindy - West	Olimbiya Tech Park Thamarai Tech Park Central Excesses Colony Customs colony Labour Colony Anna salai (ITC Park) Anna Salai(Temple Steps)
2	171	Saidapet	Chinnamalai Park (Halda)
3	172	Kotturpuram	Dhandapani Park Senior citizen Park Govindaswamy Park River view Park Chitra Nagar Park
4	173	Raja Annamalai-puram	Kamaraj salai(Dharmambal Park) Kesavaperumal Puram East Avenue Sathyadev Avenue Extn.(Ranimeiyammai Tower) Sathyadev Avenue Extn. (Jain sakarika) M.R.C Nagar main Road (Near Image Auditorium) Kesavaperumal Puram central Avenue Krishnapuri Main Road M.R.C Nagar extn. Vasantha Avenue May Flower Garden MRC Nagar (Somerset) RK Nagar II Main Road(Thiruveedhi Amman Koil Street) MRC Nagar CEEBROS Apartments Park (Leela venture OSR) MRC Nagar CEEBROS Apartments Park (Victory Hotel OSR)

S.No	Ward	Name Of Ward	Location of the Park
5	174	Maduvankarai (Guindy East)	City limit road (Secretariatcolony park) Velachery main road - Phenoix mall Park
6	175	Adyar	Indira Nagar Park
7	176	Besant Nagar	Padmanabha Nagar Park Aavin Park (Dr Muthulakshmi Park)
8	177	Adambakkam	LH Nagar IV cross street Park New NGO Colony II main road Park Gangai Nagar II street TNHB 4th Cross Street
9	178	Velachery - West	AGS Colony (Alacrity Park) AGS Colony 5th Main Road AGS Colony 4th Main Road Park
10	179	Velachery - East	Thiruvalluvar Park Bharathiar Park CEEEROS Apartments Ramagiri nagar I street V.G.P Selva Nagar II main road Velachery Main Road - Ramaniyam Eden Apartments
11	180	Taramani	4th West Street, Kamaraj Nagar 2nd West Street, Kamaraj Nagar 13th West Street, Kamaraj Nagar Tidal park Road Nehru Street Ascendas IT Park Ascendas Park Rajiv Gandhi Salai(Holiday INN) TICEL, CSIR Road

S.No	Ward	Name Of Ward	Location of the Park
12	181	Thiruvanmiyur	M.G.R road Gangai Street (Arupadai Veedu) Tiger Varathachari Park CGE colony Yamuna Street Park Sivagamipuram II street
13	182	Thiruvanmiyur	Valmigi Nagar - 69 th Cross Street Thiruvalluvar Nagar II main road Thiruvalluvar Nagar 43 rd Cross Street Kannappa Nagar Journalist Colony Thiruvalluvar Nagar VII Cross Street Thiruvalluvar Nagar I Avenue AIBEA Nagar (Devandra Nagar) I seaward road

Sl. No.	Team member contact No.	Equipment available (Tree cutting machine)	Area of operation
1	Park overseer - 9445194730	Electrical saw-1 Petrol saw - 19 Pruner – 0 Manual – 1 Mobile - 1	Zone-13 (Div 170 to 182) Guindy, Saidapet, Kotturpuram, Raja Annamalaipuram, Maduvinkarai, Adyar, Besant nagar, Adambakkam, Velachery East & West, Taramani, Thiruvanmiyur

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are Fourty Six pumping stations available in Adyar zone with average capacity of 5.5MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	Ekkattuthangal, Balaji Nagar, Chennai-97.	5.00	3
2	Saidapet - C, No.26, VGP Salai, Hospital road, West Saidapet, Chennai	4.00	3
3	Sidco Main, Reddy Street, Labour Colony, Guindy, Chennai 32	2.50	3
4	Sidco Lift, Guindy Industrial Estate , South phase , Guindy, Chennai 32	1.00	3
5	Neruppumedu, Saidapet, Chennai 15	0.20	2
6	Nagi Reddy Thottam Alachiamman Koil Street, Guindy Instrial Estate, Chennai 32	0.10	2
7	Maanjolai Kalaimagal Nagar, 2nd Main Road, Chennai -32	0.10	2
8	Guindy 36, Thomas Nagar Road, Little mount road, Chennai	5.00	3
9	Saidapet 'D', Appavoo Nagar, Chennai 15	5.00	3
10	Todhunter Nagar, Thohunter nagar main road, Saidapet, Chennai 15	0.50	2
11	Suriya Nagar, Surya Nagar, Chennai 83	0.10	2
12	Kotturpuram, No.8, Gandhi Mandabam road, Kottur, Chennai	4.00	4
13	Kanagam, TNSCB quarters, Kanagam, Taramani, Chennai 113	1.50	2
14	Pallipattu, Kalikundram main road, Pallipattu, Chennai 113.	2.00	3

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
15	Bharathi Avenue Bharathi Avenue 3rd Street, Kottur, Chennai 85	0.20	2
16	Adyar Old & New, Brodie Castle road, Opp to Music College, R.A.Puram	60.00	10
17	Fore Shore Estate Srinivasapuram, Chennai -28	1.00	3
18	RA Puram PRO Qtrs, R.A.Puram, Chennai-28	1.00	2
19	SKP Puram, Annai Sathya Nagar, SKP Puram Main Road, Nr Greenways road, R.A.Puram	1.00	2
20	Govinda Sami Nagar Elango Street, Green Ways Road, Railway Station, R.A.Puram, Chennai 28	0.75	2
21	Velachery 1, Nagendra Nagar, Velachery Main Road, Chennai-42.	18.00	5
22	Bharathi Nagar, Tank Street, Bharathi Nagar, Velachery, Chennai 42	0.40	2
23	Indira Nagar, Indira Nagar 1st Main Road, Adyar, Chennai -20	15.00	4
24	Gandhi Nagar, Pumping Station road, Gandhi Nagar, Adyar, Chennai -20	7.00	2
25	B.V.Nagar, No.1, Nehru Nagar, 4th Cross Street, Adyar, Chennai	2.50	3
26	Besant Nagar - I, 4th Main Road, Besant Nagar, Chennai -90	1.50	2
27	Besant Nagar - II, 22, Cross Street, Besant Nagar, Chennai -20	4.00	2
28	Sector - V, 1st Main Road , TNHB Colony, West Velachery, Chennai 42	4.00	3
29	Periyar Nagar, Justice Radhakrishnan Salai, TNHB, Periyar Nagar, Velachery, Chennai-42.	4.00	2
30	Velachery Lakshmi Nagar 100ft pipe road , Lakshmi Nagar, Velachery, Chennai 42	4.00	2

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
31	Murughu Nagar 5th Main Road, Murughu Nagar, Velachery	7.00	2
32	Orrandiamman Koil, Orandiamman Koil street, Velachery, Chennai -42	3.00	2
33	AG 's Colony 2nd Cross Street, AGS Colony, Velachery	9.00	2
34	LIC Colony, Tharamani Link road, Vijaya Nagar, Velachery	35.00	4
35	Seethapathi Nagar Rani Street, Velachery, Chennai 42	4.00	3
36	Brahmin Street, Adjacent to Corporation of park, Velachery, Chennai -42	0.60	2
37	Baby Nagar 1st Cross Street, Velachery, Chennai 42	0.80	2
38	Thiruvanmiyur, Kamaraj Nagar South Avenue , Thiruvanmiyur , Chennai 41	16.00	6
39	Taramani, Peeliamman Koil Street, Taramani, Chennai 113	5.00	2
40	Thanthai periyar Nagar, Anna thidal road, Taramani, Chennai 113	3.00	3
41	Valluvar Nagar, V.O.C Street, Valluvar Nagar, Adyar, Chennai -20	0.40	2
42	Thiruvalluvar Nagar, 1st main road , Thiruvalluvar Nagar, Chennai 41	4.00	3
43	Kalachetra Colony, 39, Gangai Street, Kalasshetra Colony, Thriuvanmiyur, Chennai 41	2.00	3
44	512 HIG, 2nd Seaward road, Valmiki Nagar, Chennai 41	1.00	2
45	P.T.C.Colony, PTC Colony 1st Street, Kannappa Nagar, Thiruvanmiyur, Chennai 41	2.00	3
46	Rajaji Nagar, Rajaji Nagar Main Road, Thriuvanmiyur, Chennai 41	0.60	2

Tamil Nadu Slum Clearance Board tenements

There are 8464 TNSCB tenements in the following location with a population of 45540.

Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so.

The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No.	Tenement location	No. of tenement	Population
1	171 - Saidapet	Venkatapuram	836	4675
2		Appavoo nagar	164	1020
3		Subbu (P) thottam	126	625
4	172 - Kotturpuram	Kotturpuram	1656	8280
5		Chitra nagar	460	2350
6		West canal bank road	432	2625
7	173 – Raja Annamalaipuram	Valleswaran thottam	488	2050
8		Rajamuthiahpuram	272	1675
9		Srinivasapuram	1356	7200
10	175 - Adyar	Rukmani garden	100	600
11		Indra nagar	840	4360
12	177 - Adambakkam	Kakkan colony	304	1625
13	180 - Taramani	Thanthai Periyar nagar	456	3200
14		Kanagam	486	2000
15		Rajiv Gandhi Nagar	128	1075
16		Singaravelan nagar	360	2180
			8464	45540

Contact details:

Department	Designation	Area	Contact No.
TNSCB	Assistant Engineer	Area 13	9445074744
Conservancy/GCC	Conservancy Supervisor	Unit-38	9445025909
Conservancy/GCC	Conservancy Supervisor	Unit-39	9790800405
Conservancy/GCC	Conservancy Supervisor	Unit-40 &40A	9444876166
Water Supply & Sewage /CMWSSB	Area Engineer	Area - 13	8144930263

Water Bodies and Waterways

There are 4 Canals passing in this zone (1) Guindy Industrial canal is maintained by GCC which originates from kathipara bridge travel about 1.90 Km in the zone and disposes via Nagi (R) Garden street and then melds at Adyar river, (2) Rajbhavan canal is maintained by GCC which touches the zone at Rajbavan compound wall near Raj bahavan colony travel about 1.00 Km within the zone and disposes through Velachery main road and joins Velachery lake and (3) Mambalam canal is maintained by GCC which touches the zone at West CIT Nagar travel about 0.850 Km in the zone and disposes through the Toddhunter nagar and drain into Adyar River. (4) Buckingham Canal is maintained by PWD which touches the zone at Kotturpuram near railway station travel about 2.50 Km in the zone and disposes through the SRP Tools and drain into Okkiyam Canal – joined into Muttukadu Lake. Raj bavan Canal which touches the zone at Chellammal college travel about 2.50 Km within the zone and disposes through the Adyar River and drain into Adyar River.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 16.99 km to ease the flow of rain water.

The details of various water bodies in this zone is listed below,

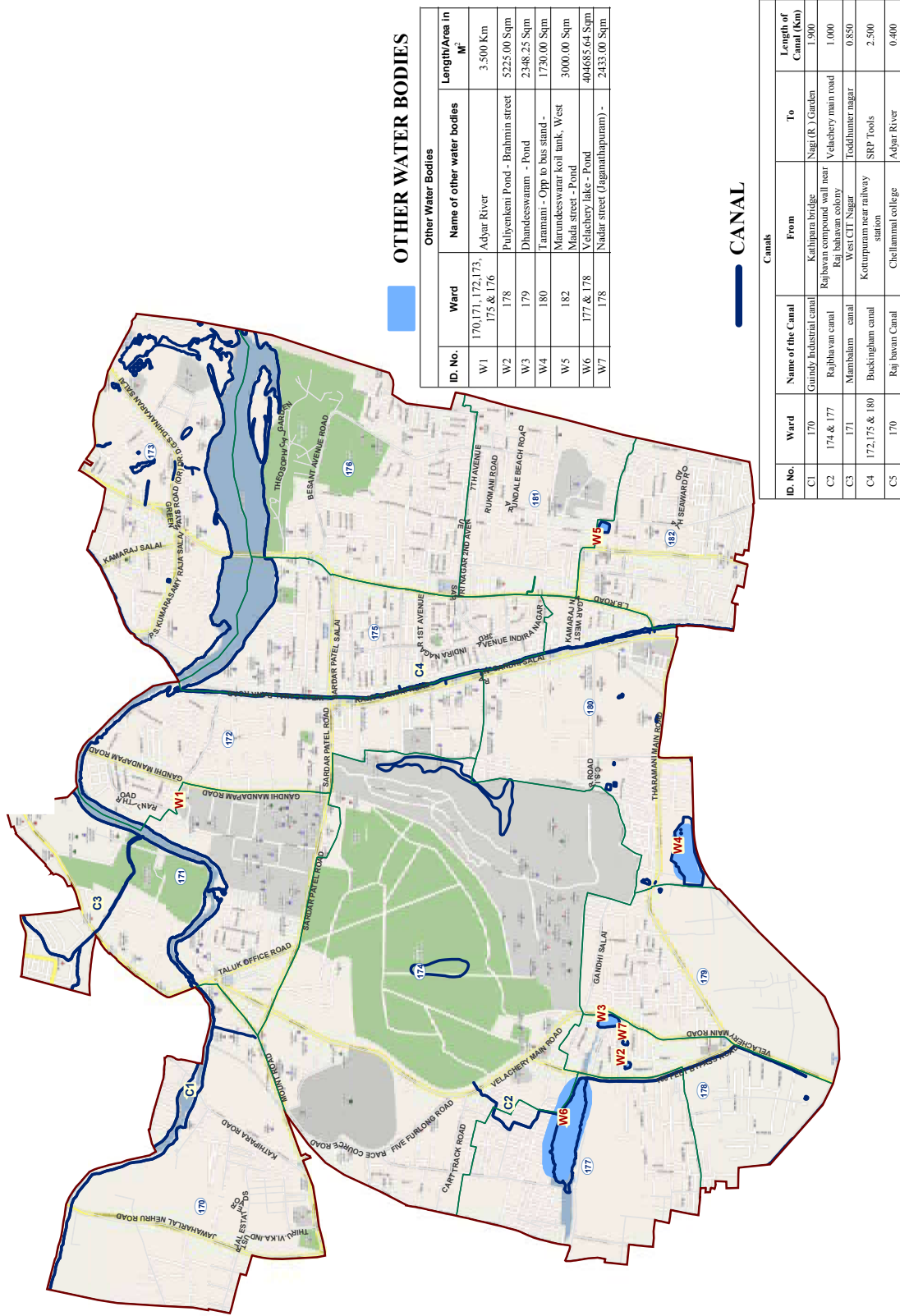
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Guindy Industrial canal	170	Kathipara bridge	Nagi (R) Garden	1.900
2	Rajbhavan canal	174 & 177	Rajbavan compound wall near Raj bahavan colony	Velachery main road	1.000
3	Mambalam canal	171	West CIT Nagar	Toddhunter nagar	0.850
	Mambalam canal	172,175 & 180	Kotturpuram near railway station	SRP Tools	2.500
4	Buckingham Canal	170	Kathipara bridge	Nagi (R) Garden	1.900
5	Raj bavan Canal	170	Chellammal college	Adyar River	0.400

Other water bodies

SI No	Ward No	Name of other water bodies	Length / Area
1	170,171,172,173, 175 & 176	Adyar River	3.500 Km
2	178	Puliyenkeni Pond - Brahmin street	5225.00 Sqm
3	179	Dhandeeswaram - Pond	2348.25 Sqm
4	180	Taramani - Opp to bus stand - Pond	1730.00 Sqm
5	182	Marundeeswarar koil tank, West Mada street - Pond	3000.00 Sqm
6	177 & 178	Velachery lake - Pond	404685.64 Sqm
7	178	Nadar street (Jaganathapuram) - Pond	2433.00 Sqm

ZONE XIII- WATER BODIES



Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off the rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

547 storm water drains to a length of 146.924 Km were constructed to ease the flow of rain water in Valasaravakkam zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward/Name	Total No. of SWDs	Length of SWDs (in Km)
1	170 - Guindy - West	43	11.60
2	171 - Saidapet	35	9.76
3	172 - Kotturpuram	52	12.64
4	173 - Raja Annamalaipuram	47	13.67
5	174 - Maduvankarai (Guindy East)	17	8.09
6	175 - Adyar	69	20.26
7	176 - Besant Nagar	32	9.38
8	177 - Adambakkam	130	20.39
9	178 - Velachery - West	69	11.18
10	179 - Velachery - East	95	18.61
11	180 - Taramani	31	11.41
12	181 - Thiruvanmiyur	19	4.54
13	182 - Thiruvanmiyur	41	8.24
		680	159.76

Water stagnated streets in the previous monsoon - heavy rain (only overflow of Adyar river)

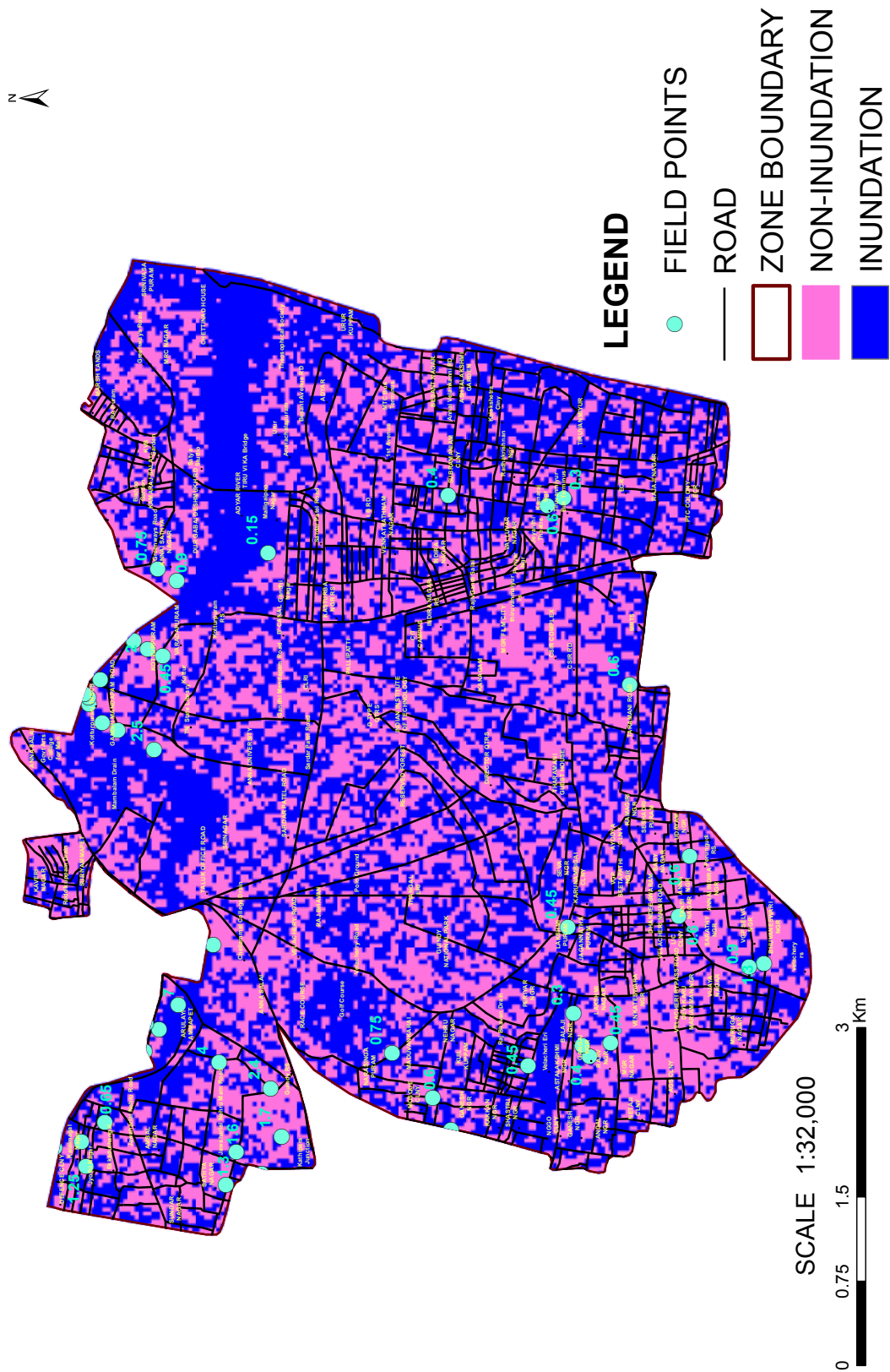
During the last monsoon, 4 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone. The identified vulnerable spots and the actions taken to dispose the rain water in each location is as below,

Sl.No	Ward/ Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	170	Nagi (R) Thottam Chetti thottam Neruppumedu Vinayagapuram Anusuyamandapam	5HP-2 10HP-1	Nagi (R) Garden & Neruppumedu	Adyar River
2	172	Chitra nagar - Kotturpuram	5HP-2 10HP-1	Near bridge	Adyar River
3	177	Lakshmi nagar	5HP-2 10HP-1		Rajiv Nagar main road - SWD
4	178	Kalki nagar	12HP – 1 6HP - 1	Vacant land	Veerangal Odai

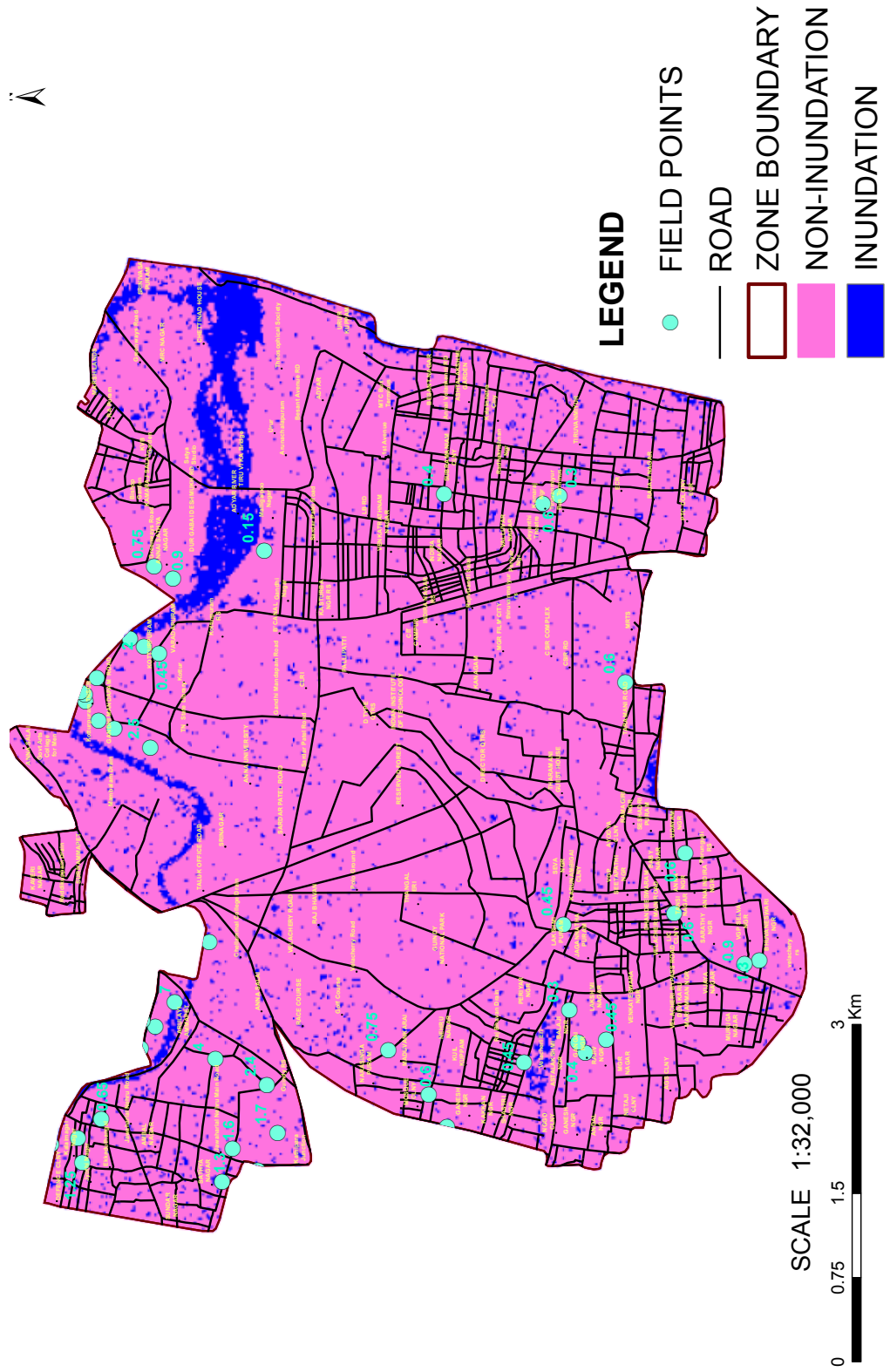
Anna University has mapped the areas inundated in this zone during 2015 flood by crowd source method, the picture of the same is given below.

The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded within 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

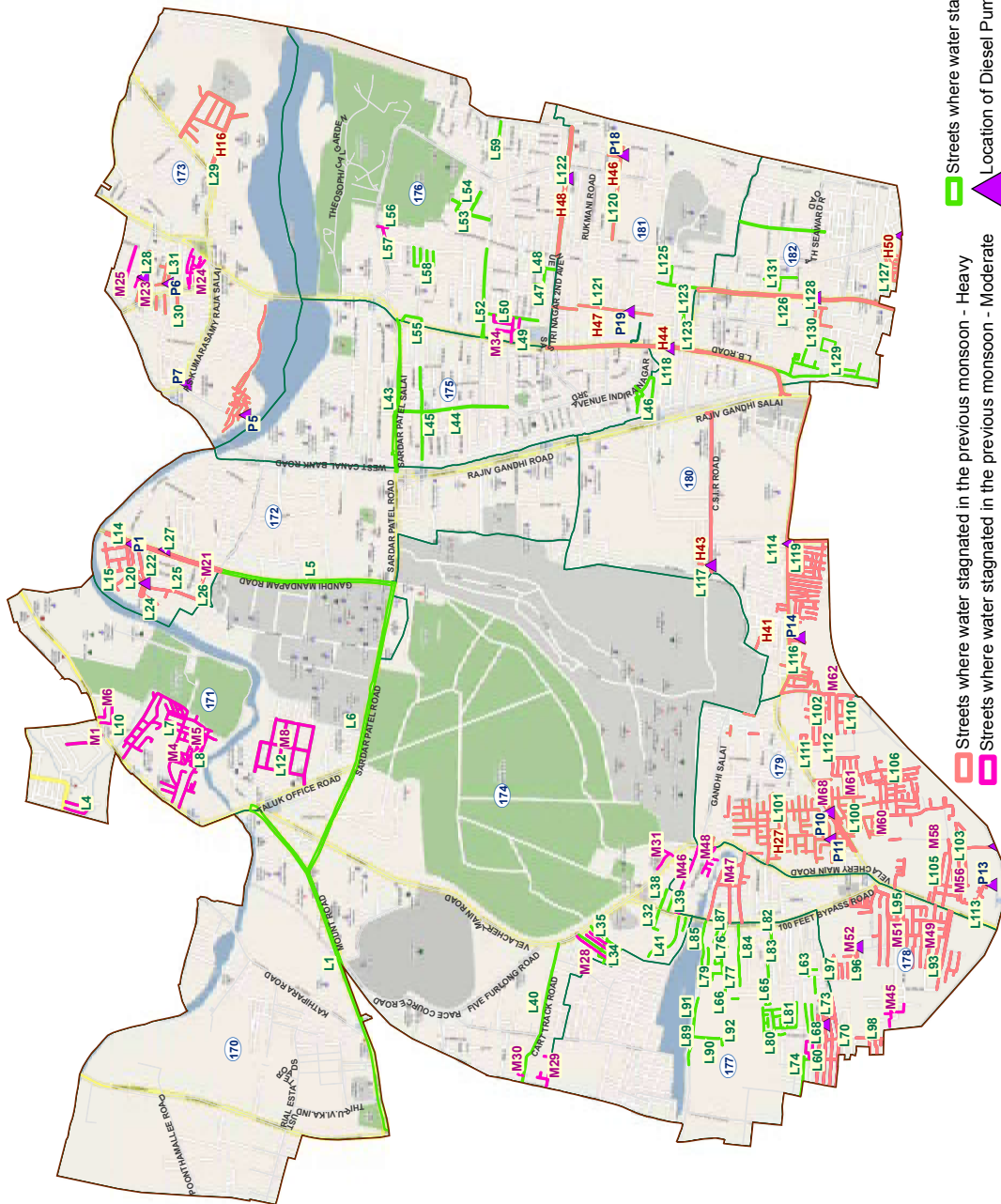
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE XIII- ROAD/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



- █ Streets where water stagnated in the previous monsoon - Light
- █ Streets where water stagnated in the previous monsoon - Heavy
- █ Streets where water stagnated in the previous monsoon - Moderate
- ▲ Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - Mild rain

SI No	Ward No	Name of the street
1		Nil

Water stagnated streets in the previous monsoon - Moderate rain

SI No	Ward No	Name of the street
1	170 – Guindy – West	Jawaharlal Nehru Road
2	174 Maduvankarai (Guindy East)	Cart track road
3	175 - Adyar	Kamaraj Avenue 2nd Street JN of KB Nagar 2nd Cross street KB Nagar 3rd Cross street (Near Nilgiris)
4	177- Adambakkam	TNHB Colony 10th street Andal Nagar 1st main road
5	178 – Velachery	A.G.S Colony Vijayanagar area Ram Nagar area
6	179 – Velachery	Udayam nagar Main road Dhandeeswaram 7th main road
7	180 – Taramani	Kennady street Raniyammal street
8	182- Thiruvanmiyur	I Sea Ward road Balakrishna Road JN

Stagnation of water in streets due to sewer blocks

In Adyar zone, the following were the streets which had sewer blocks.

Sl. No.	ward /Name	Name of the Streets	No. of manholes
1	170 Guindy - West	Kalaimagal Nagar 3rd Main road Bungalow Street Poomagal Main road Visalatchi Nagar	2 1 2 1
2	172 Kotturpuram	New Street LakeView Street	2 3

Sl. No.	ward /Name	Name of the Streets	No. of manholes
3	174	Masque Colony New street	10
4	177 - Adambakkam	Kakkan Nagar Main Road NGO Colony Main Road Lakshmi Nagar III Cross street	2 1 1
5	178 Velachery - West	MGR Nagar Devi Karumari Amman 9th Street Lakshmipuram Throwapathy Amman Koil street Jagannadhapuram Orandiammankoil Street Celliamman Nagar	3 2 3 4 2 1 1

Relief Centres

During last monsoon no relief centres were opened

There are 18 relief centres to a total capacity of 6415 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	170	420	Annai Velankanni school, Hospital road	Vinayaga puram, Chetti thottam	Yes	Yes	No	Evacuation	Assistant Engineer	9445190770
2		450	Infant Jesus school, Labour colony	Nagireddi thottam	Yes	Yes	No	Food	Assistant Revenue Officer	9884988647
3		150	Govt ITI	Arulayammanpet	Yes	Yes	No	Relief Materials	Sanitary Officer	9445025964
4			Chennai Higher Secondary School Little Mount		Yes	Yes	No			
5	171 - Saidapet	368	Teachers Training Institute	Athuma nagar, Kalvai karai	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025971
6		616	Model Higher secondary school	Athuma nagar, Kalvai karai	Yes	Yes	No	Evacuation	Assistant Engineer	9445190771
7		921	St.Francis Xavier school, Little Mount	L.D.G.Road, MGR nagar, Arockiamadha nagar	Yes	Yes	No	Food	Assistant Revenue Officer	9445190093

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
8	172 - Kotturpuram	600	Anna Gem	Kotturpuram	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025970
9		766	ABCD Park stadium	T.N.H.B,Slum Board, Kotturpuram	Yes	Yes	No	Relief Materials	Sanitary Officer	9445025895
10		368	CPS, New street	T.N.H.B,Slum Board, Kotturpuram	Yes	Yes	No			
11	173 - Raja Annamalaipuram	39	CMS - NS Garden	T.N.H.B,Slum Board, Kotturpuram	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025981
12		42	J.J Kalyanamandapam (Community Centre)	Conservancy worker from other districts like Ooty, Kanchipuram, Madurai etc				Evacuation	Assistant Engineer	9445190773
								Food	Assistant Revenue Officer	9445190093
								Relief Materials	Sanitary Officer	9445025895
13	175 - Adyar	60	CPS, CHS, Kamaraj avenue I street	Mallipoo nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	7395948700
								Evacuation	Assistant Engineer	9445190775
								Food	Assistant Revenue Officer	9445190093
								Relief Materials	Sanitary Officer	9445025895

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
14	176 - Besant nagar	60	Avvai Home Primary school, Arunachalapuram	Arunachalapuram	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025976
								Evacuation	Assistant Engineer	9445190776
								Food	Assistant Revenue Officer	9445190093
								Relief Materials	Sanitary Officer	9445025878
15		183	Multipurpose hall - Ambedkar nagar 18th cross street	Ambedkar nagar				Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025977
16	177 - Ad-ambakkam	1000	Britto school, Nethaji salai, Nehru nagar	Ambedkar nagar,	Yes	Yes	No	Evacuation	Assistant Engineer	9445190777
				Kakkan nagar and				Food	Assistant Revenue Officer	9445190093
				Periyar nagar				Relief Materials	Sanitary Officer	9445025964

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
17	180 - Taramani	172	CHSS - Peeliamman Koil Street, Taramani	Thanthai periyar nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	8940491139
								Evacuation	Assistant Engineer	9445190780
								Food	Assistant Revenue Officer	9445190093
								Relief Materials	Sanitary Officer	9445025961
18	182 - Thiruvaniyur	200	Thiruvaniyur - Shakthi nilayam	Ranganathapuram	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025981
								Evacuation	Assistant Engineer	9445190782
								Food	Assistant Revenue Officer	9445190093
								Relief Materials	Sanitary Officer	9445025982

ZONE XIII - EVACUATION & RELIEF SHELTERS

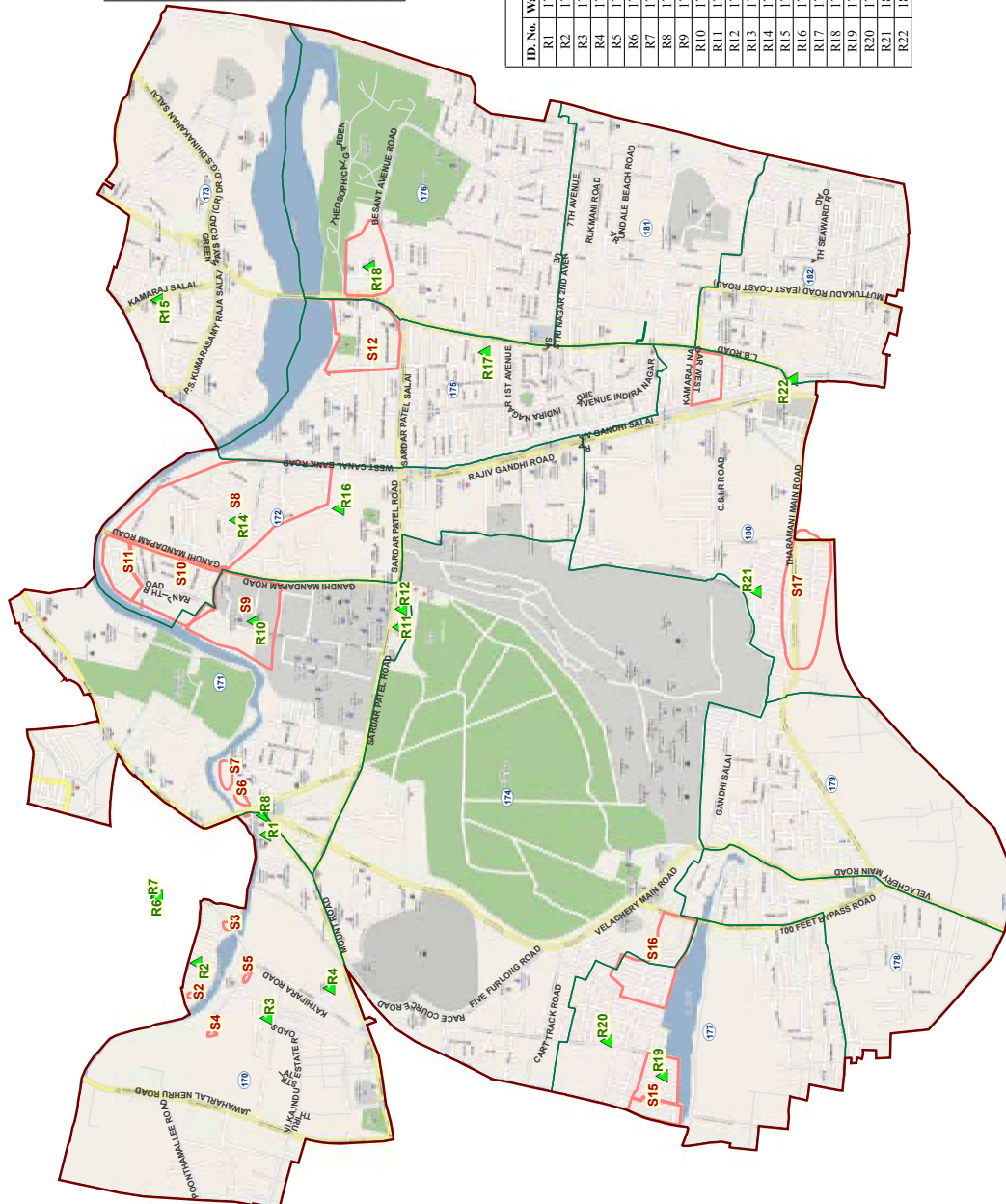


STREET/AREA - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	170	New anuvayar mandapam
S2	170	Vinayaga puram.
S3	170	Chetti thottam.
S4	170	Nagredda thottam
S5	170	Audumnamandapam
S6	171	Thiruvalluvar street, Kallanai baru
S7	171	11 B.G. Road, NGR nagar., Avockiamatha nagar
S8	172	Kottaram
S9	172	Sreeva nagar
S10	172	Chitra nagar
S11	172	T.N.H.B. Shum Board, Kotturupam
S12	175	Mallipoo nagar
S13	176	Arumchalapuram
S14	177	Ambedkar nagar
S15	177	Kakkan nagar and
S16	177	Peray nagar
S17	180	Thanthai peray nagar
S18	182	Ranganthapuram

▲ RELIEF SHELTER

ID. No.	Ward	Name & Address of relief centres available
R1	170	CHS, Little mount
R2	170	Annai Velankanni school, Hospital road
R3	170	Infant Jesus school, Labour colony
R4	170	Govt ITI
R5	170	Chennai Higher Secondary School Little Mount
R6	171	Teachers Training Institute
R7	171	Model Higher secondary school
R8	171	St.Francis Xavier school, Little Mount
R9	171	CHS Annasalai
R10	172	Anna Cen
R11	172	Gandhinandapam
R12	172	Rajaji Mandapam
R13	172	ABCD Park stadium
R14	172	CPS, New street
R15	173	CMS - NS Garden
R16	173	J.J Kaluvanandapam (Community Centre)
R17	175	CPS, CHS, Kananai avenue 1 street
R18	176	Avvaia Home Primary school, Arumchalapuram
R19	177	Mulipurpose hall - Ambedkar nagar 15th cross street
R20	177	Britto school, Nethaji salai, Nethra nagar
R21	180	CHSS - Peeliamman Kof Street, Taramani
R22	182	Thiruvanniyur - Shakthi nilayam



Subway

There are 2 subways available at Guindy and Thiyagaraya nagar in Adyar zone. The submersible pumps and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Ward / Location	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Pedestrian subway, Guindy, ward-170	25m	Guindy industrial drain	15 HP – 2 Nos. (Maintained by Highways) 15 HP – 2 Nos.(Spare)
2	Aranganathan subway, ward-171	500m	Mambalam canal	1-25HP(Diesel), 1-10HP(Diesel), 1-7.5HP(Electrical), 1-25HP(Diesel), 1-13HP(Diesel), 1-25HP(Electrical), 1-10HP(Electrical)

Tree fall

During the last monsoon - 2017 in Adyar zone totally 20 tree & branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl No	Ward	Name of the Street
1	170 Guindy - West	Alandur road
2	171 Saidapet	Kotturpuram Main road
3	172 Kotturpuram	Kotturpuram Main road, SP Road

SI No	Ward	Name of the Street
4	173	DGS Dinakaran Salai RK Mutt road
5	174 Maduvankarai (Guindy East)	Velachery Main road
6	175 Adyar	Indra nagar II avenue Kasthuri bai nagar III main road
7	176 Besant Nagar	Padmanabha nagar V main road Besant Avenue Karpagam garden V cross street Sastri nagar I main road
8	177 Adambakkam	Brindhavan Nagar Mainb road
9	178 - Velachery - West	Vijaya Nagar
10	179 - Velachery - East	Velachery Main road
11	180 Taramani	Kamaraj Nagar
12	181 Thiruvanmiyur	Arundel beach road - Kalakshetra colony Rukmani street
13	182 - Thiruvanmiyur	Kamaraj nagar , ECR

Streets where water enter houses - does not require evacuation

During the last monsoon, inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bail out the rain water. During NEM 2017 the under mentioned location was inundated for more than a day by which the normal day to day activity of 15 families were standstilled. Flood water from this area was cleared by using 12HP & 10HP pumps (2 Nos) The identified vulnerable spot is as below.

SI No	Ward /Name	Streets
1	179 Velachery - East	Udayam Nagar

Streets that require evacuation

During the heavy flood occurred last year during 2017, in Adyar zone, No evacuation was done.

SI No	Ward /Name	Streets	No of persons	Year	Relief centre
1	170 - 182	Nil			

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 20 battery powered lights are available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

SI. No.	Ward	Contact person	
		Designation	Phone number
1	170,177	Assistant Engineer	9445191494
2	171, 172	Assistant Engineer	9445026101
3	173,175,176	Assistant Engineer	9445191469
4	174	Assistant Engineer	9445190804
5	178,179	Assistant Engineer	9445191467
6	180	Assistant Engineer	9445191491
7	181,182	Assistant Engineer	94451 91468

National Disaster Response Force

In Adyar zone, for the last monsoon No NDRF was stationed.

For – 2018 – informed to NDRF

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	171	Sri nagar colony, CIT Nagar, Ranjith road
2	172	Kotturpuram TNSCB Residence
3	175	Mallipoo nagar, Kasthuri bai nagar II cross street
4	177	AGS colony IV main road
5	178	Ram nagar
6	178	AGS Colony
7	178	Tambaram Velachery main road
8	178	Vijaya nagar
9	179	Tansi nagar

NDRF

The Commandant

04, Battalion(NDRF)

Suraksha Campus

Takkolam, Arakkonam

Vellore District – 631 152

Phone No. 04177 – 246594/246269

Rescue Boats

No boats were used in the previous monsoon – NEM 2017

For 2018, in the following locations were identified for precautionary measures

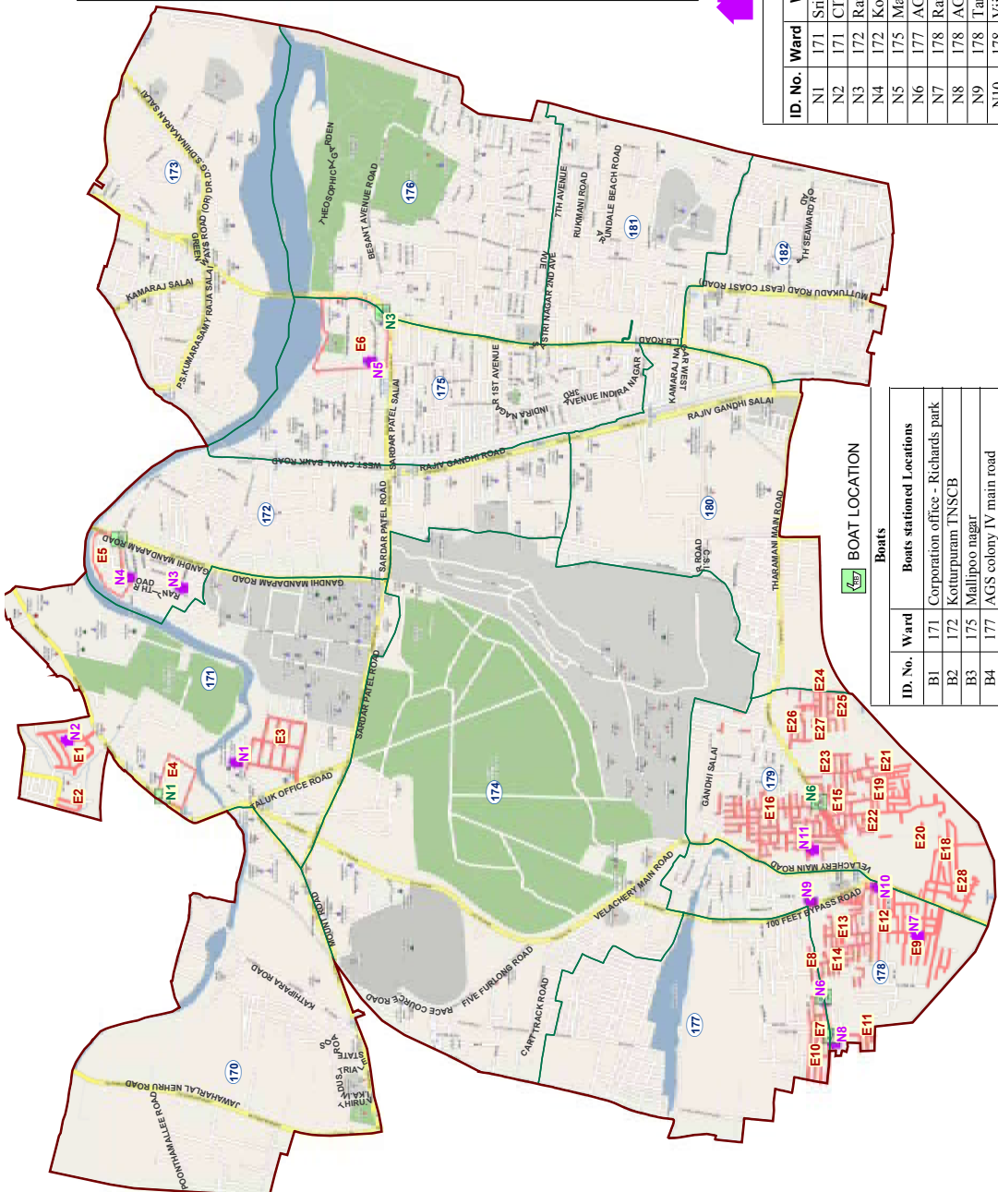
Sl.No.	Ward	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact person & Number
1	172 – Kottur puram	Adyar River bund	Chitra Nagar	Dn.183 – Private Boat Owner : Kuppam / Kottivakkam 9383677999 9941156796 & Muttukadu boat club - 9176995860
2	175 - Adyar	Adyar River bund	Mallipoo nagar	
3	177 - Adambakkam	100' bypass road	A.G.S Colony	
4	178 - Velachery	Ram nagar North Extn 6th Main road	Ram nagar Murugu nagar Shankar nagar Padmavathi nagar Srinivasa nagar	

Sl.No.	Ward	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact person & Number
5	178 - Velachery	Vijaya nagar 13th Main road	Vijaya nagar Devi Karumariyamman nagar M.G.R nagar Golden avenue	
6	178 - Velachery	AGS Colony 4th main road	AGS Colony Chockalinga nagar Kalki nagar	
7	179 - Velachery	Tansi Nagar 15th Street (Jn. of Velachery - Taramani 100 feet road)	Tansi Nagar, Annai Indira Nagar, Anna Nagar, Baby Nagar, Balakrishna Nagar, Venus Colony, Balamurugan Nagar, V.G.P. Sleva Nagar, Bhuvaneswari Nagar, Park Avenue, Seshadripuram, Udhayam Nagar.	

ZONE XIII - EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA	
ID. No.	Ward
E1	171
E2	171
E3	171
E4	171
E5	172
E6	175
E7	177
E8	177
E9	178
E10	178
E11	178
E12	178
E13	178
E14	178
E15	179
E16	179
E17	179
E18	179
E19	179
E20	179
E21	179
E22	179
E23	179
E24	179
E25	179
E26	179
E27	179
E28	179



NDRF TEAM	
ID. No.	Ward
N1	171
N2	171
N3	172
N4	172
N5	175
N6	177
N7	178
N8	178
N9	178
N10	178
N11	179

BOAT LOCATION	
ID. No.	Ward
B1	171
B2	172
B3	175
B4	177
B5	178
B6	179

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 8 debris lorries, 4 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below

No. of lorries and type kept in readiness	
Open lorry	- 8
Skid steer loaders (Bob cat)	- 4
(Front end loader) JCB	- 2

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190478	2	4	8	4

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

In Adyar Zone the following zones where not accessible by vehicles

Sl.No	ward /Name	Street Names
1	172 - Kotturpuram	Chitra nagar
2	178 - Velachery - West	Ram Nagar
3		A.G.S colony
4	179 - Velachery - East	Tansi nagar
5		Bharani street

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of other line departments and the measures and actions to be taken before and during the rain is given below,

Ward committee – 170**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190770
GCC - Electrical	Assistant Engineer	9445477680
GCC- Health	Sanitary Inspector	7358308883
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445191438
GCC - Revenue	Tax Collector	9042411271
Revenue	Revenue Inspector	9025768637
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930170
TANGEDCO	Junior Engineer	9445850183
BSNL	Assistant Engineer	9440676700
Fire service	Inspector	9445086050 / 044 – 28554311, 28554312, 28554313
Police station	Inspector	9444885580
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

Ward committee – 171**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190771
GCC - Electrical	Assistant Engineer	9445026101
GCC- Health	Sanitary Inspector	7358308883
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9790752109
GCC - Revenue	Tax Collector	9042411271
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930171
TANGEDCO	Junior Engineer	9444451644
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	044-23452577/23452590 044-23452595
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

Ward committee – 172**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190772
GCC - Electrical	Assistant Engineer	9445026101
GCC- Health	Sanitary Inspector	7358308883
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190822
GCC - Revenue	Tax Collector	9940347996
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930172
TANGEDCO	Junior Engineer	9445850152
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	044 23452595
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

Ward committee – 173**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190772
GCC - Electrical	LI	9445190854
GCC- Health	Sanitary Inspector	9445025971
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190822
GCC - Revenue	Tax Collector	9444436587
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930173
TANGEDCO	Junior Engineer	9445850774
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9498133498 044 – 23452571, 24995905
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

Ward committee – 174**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190774
GCC - Electrical	LI	9445190804
GCC- Health	Sanitary Inspector	9566113565
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190824
GCC - Revenue	Tax Collector	9884929365
Revenue	Revenue Inspector	9025768637
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930174
TANGEDCO	Junior Engineer	8144930174
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	044 – 23452571/24995905
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

Ward committee – 175**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190775
GCC - Electrical	Assistant Engineer	9445191469
GCC- Health	Sanitary Inspector	7502755497
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190828
GCC - Revenue	Tax Collector	9840017368
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930175
TANGEDCO	Junior Engineer	9445850155
BSNL	Assistant Engineer	9444999934
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9498136000
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

Ward committee – 176**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190776
GCC - Electrical	Assistant Engineer	9445191469
GCC- Health	Sanitary Inspector	9445025981
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190826
GCC - Revenue	Tax Collector	9710602288
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930176
TANGEDCO	Junior Engineer	9445850146 / 9445850147
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	23452597 & 9490129521
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222
Ward committee – 177		
Ward Councillor -		
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190777
GCC - Electrical	Assistant Engineer	9445191494
GCC- Health	Sanitary Inspector	9789861246
GCC - Veterinary	VAS	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190827
GCC - Revenue	Tax Collector	9940160944
9444012656		
Revenue	Revenue Inspector	-
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930177
TANGEDCO	Junior Engineer	9445850186 / 9445850185 / 9445850182 / 445850162
BSNL	Assistant Engineer	-
Fire service	Inspector	-
Police station	Inspector	9840963668 / 23452605 & 9498431600 / 23452777
PWD	Assistant Engineer	-
TNSCB	Assistant Engineer	-
Highways	Divisional Engineer	-

Ward committee – 178**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190778
GCC - Electrical	Assistant Engineer	9445191467
GCC- Health	Sanitary Inspector	9843912067
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190827
GCC - Revenue	Tax Collector	9962329080
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9962329080
CMWSSB	Assistant Engineer	8144930243 & 8144930178
TANGEDCO	Junior Engineer	9445850161, 9445850163
BSNL	Assistant Engineer	9444963359
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9840989097, 9445086052 / 9566012733/ 9498129682 & 9498130756
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	9443365995 & 9444566697

Ward committee – 179**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190779
GCC - Electrical	Assistant Engineer	9445191467
GCC- Health	Sanitary Inspector	9566113565
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190829
GCC - Revenue	Tax Collector	9840524224
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9962329080
CMWSSB	Assistant Engineer	8144930179
TANGEDCO	Junior Engineer	9445850161, 9445850163 & 9445850163
BSNL	Assistant Engineer	9444963359
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9840989097, 9498129682 & 9498130756
PWD	Assistant Engineer	9444045578
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	9443365995 & 9444566697

Ward committee – 180**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190780
GCC - Electrical	Assistant Engineer	9445191468
GCC- Health	Sanitary Inspector	9445025976
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9176975266
GCC - Revenue	Tax Collector	9444012656
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9962329080
CMWSSB	Assistant Engineer	8144930180
TANGEDCO	Junior Engineer	9445850156 & 9442626802
BSNL	Assistant Engineer	9444979188
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9840989097
PWD	Assistant Engineer	9941427500,9791326951
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	9841702398

Ward committee – 181**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190781
GCC - Electrical	Assistant Engineer	9445191468
GCC- Health	Sanitary Inspector	9445025981
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190831
GCC - Revenue	Tax Collector	8610755688
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9962329080
CMWSSB	Assistant Engineer	8144930181
TANGEDCO	Junior Engineer	9445850148
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9444020007
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	9841702398

Ward committee – 182**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190782
GCC - Electrical	Assistant Engineer	9445191468
GCC- Health	Sanitary Inspector	9445025982
GCC - Veterinary	Veterinary Assistant Surgeon	9445026044
GCC - Solid waste management	Conservancy Inspector	9445190831
GCC - Revenue	Tax Collector	9710235619
Revenue	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9962329080
CMWSSB	Assistant Engineer	8144930182
TANGEDCO	Junior Engineer	9445850149
BSNL	Office	094000 24365
Fire service	Inspector	9445086052 / 9566012733
Police station	Inspector	9444020007
PWD	Executive Engineer	9840255821
TNSCB	Executive Engineer	9445074792
Highways	Divisional Engineer	8754442222

ZONE - XIV

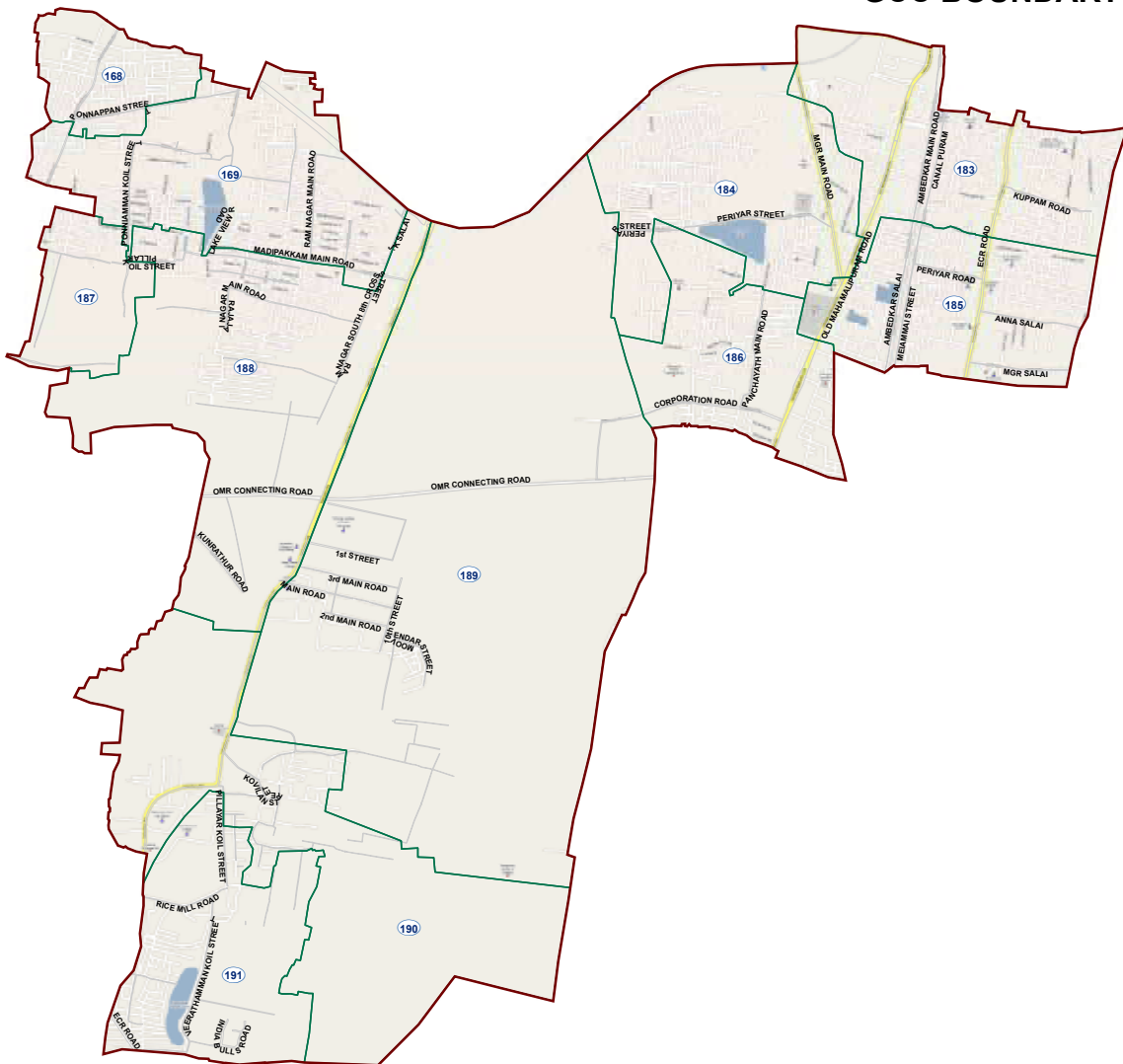
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Sl. No	Description	Page No
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11	Relief centre	698
12	Subway	704
13	Tree fall	704
14	Streets - where water entered houses - do not require evacuation	704
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16	Lighting facilities	710
17	National Disaster Response force	710
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19	Transport Equipments & Lorries	712
20	Less than 2.5m streets / lanes that cannot be accessed by Vehicles	713
21	Ward Committee	715

ZONE XIV - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Perungudi	168, 169, 183 TO 191

Profile

The Perungudi zone lies in Latitude 13.0052°, Longitude 80.20248° and covering an area of **42.33 Sq.km.**

There are 3097 roads, out of which 3073 roads to a length of 453.04 Km are Interior Roads, which are maintained by GCC and the remaining 20 roads are under the maintenance of Highways department and 4 road belongs to TNRDC.

The population is about 4.53 lakhs that has Male population of 50.58% and Female population of 49.42 % In this zone, the most densed area is ward 183 with a population of 38,588 and the least is ward186 with a population of 25,356. The Ward wise population are given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	168	6890	27560
2	169	14823	59292
3	183	9647	38588
4	184	11692	46768
5	185	11315	45260
6	186	6339	25356
7	187	4450	17800
8	188	18352	73408
9	189	10108	40432
10	190	9707	38828
11	191	9900	39600
TOTAL		113223	452892

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	168, 169, 183 to 191	9445190014

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation are jurisdiction with contact details are given below.

Sl.No.	Zone/Unit/ Ward	Designation	Phone/ Mobile No.
1.	14	Zonal Officer	9445190014
2.	14	Executive Engineer –I	9445190034
3.	14	Executive Engineer –II	9445026083
4.	41	Assistant Executive Engineer	9445190141
5.	42	Assistant Executive Engineer	9445190142
6.	43	Assistant Executive Engineer	9445190143
7.	SWM	Assistant Executive Engineer	9445910971
8.	14	Additional Divisional Engineer, Electrical	9445190054
9.	14	Assistant Executive Engineer, Mechanical	9445190484, 9445190490, 9094046132,9445026115

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl.No.	Designation	Zone/Unit/Div.	Phone/Mobile No.
1.	Conservancy Supervisor	U-41	9445191441
2	Conservancy Supervisor	U-42	9445191442
3	Conservancy Supervisor	U-43	9445191443

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who

handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl.No.	Designation	Zone/Unit/Div.	Phone/Mobile No.
1.	Zonal Health Officer	14	9445190074
2.	Sanitary Officer	U-41,	9445025985
3	Sanitary Officer	U-42	9445191400
4	Sanitary Officer	U-43	9445190841
5	Vetinary surgeon	Z-14	9445026043
6	Junior Entomologist	Z-14	9445190475

Parks

There are 56 Parks available in Lakshmi Nagar, Balaji Nagar, Ramappa Nagar, Govindan Nagar, Venkatesan Nagar, Karthikeyapuram, Ramamurthy Nagar, Kamakotti Nagar, Dr.Ambedhkar Nagar. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl.No.	Team member contact No.	Equipment available	Area of operation
1.	Park Overseer 9445071062 9445194754	Electrical saw - Nil Manual Saw - Nil Petrol/Diesel Saw - 12	Perungudi

S.No	Ward	Name / Location of the Park
1.	168	Lakshmi Nagar 10th Street,
2.	169	Indu Colony Park, Iyyan Thiruvalluvar Park, Balaji Nagar 19th Street, AGS Colony, Annai Therasa 14th Street, EPR NAGAR, Balaji nagar Extn,

S.No	Ward	Name / Location of the Park
3.	183	Netco Colony, Rajiv Gandhi Salai prince info tech park, Rajiv Gandhi Salai true value homes park, Rajiv Gandhi Salai
4.	184	Ramappa Nagar, Lakshman Nagar (CBI Colony) 2nd main road Telephone Nagar 2nd cross street, Thiruvalluvar Street, Anna Nedunchalai, Anna Neduchalai Ferry House Park, Anna Neduchalai Twin court Park, Apollo park
5.	185	VGP lay out 4th main road, Varalakshmi tech, Rajiv Gandhi Salai Appolo Hospital P Ltd, Govindan Nagar palavakkam ECR (Amara park)
6.	186	Venkateswara Nagar Park, Omathurai Street, Thirumalai Nagar 1st main road, Rajiv Nagar, Panchayat road jain anumitha flat park, Rajiv Nagar 1st Main Road Doshi flat park, Corporation Road Raise Land
7.	187	Mahatma Gandhi Park-Nehru 3rd street, Park Square Colony Park, Karthikeyapurm 6th street park Karthikeyapuram
8.	188	Ramamurthy Nagar 1st Main Road, Anna Nagar 5th Street, Rajalakshmi Nagar 1 st Main Road, Rajesh Nagar Velachery Main Road Park, Ram Nagar 8 th Cross Street Dhosi Flat Park
9.	189	Astalakshmi Avenue 1 st Street, IIT Colony 3 rd Main Road, Kamakotti Nagar 1 st Street, Velachery Main Raod Herbal Park, Velachery Main Road Tharamani, Okkiyam Thuraipakkam Anandan Nagar Main Road TVH Housing Park , VGP Shanthi Nagar Elango Park, Arumugam Nagar 3 rd Street
10.	190	Chettinad Housing Park-1 , Chettinad Housing Park-3, Jonnes Foundation East (Near Max Worth Nagar) Kannapiran Koil Street, Dr.Ambedkar Nagar Park, Jones Foundation
11.	191	Jayachandran 5th Main Road, Selene Estate-Veerathamnan Koil street, Jayachandran Nagar 1st Main Road Park

Sewage Pumping Stations

There are no pumping stations available in Perungudi Zone.

Tamil Nadu Slum Clearance Board tenements

There are no TNSCB tenements in Perungudi Zone.

Water Bodies and Waterways

There are 3 Canals passing in this zone (1) **Buckingham canal**, maintained by PWD which originates from Thiruvanmiyur and Kottivakkam about 2.80 Km in the zone and disposes via Palavakkam and Neelangarai and then melds at sea (Bay of Bengal),(2) **Narayanapuram lake canal**, maintained by PWD which touches the zone at

Kovilambakkam travels about 0.8 Km in the zone and disposes through Marsh Land and joins at sea (Bay of Bengal) and **(3) Mylai Balaji Nagar Canal**, maintained by GCC which touches the zone at Ramnagar, 16th street travel about 0.8 Km in the zone and disposes through the marsh land and drain at sea (Bay of Bengal)

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 55.94 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

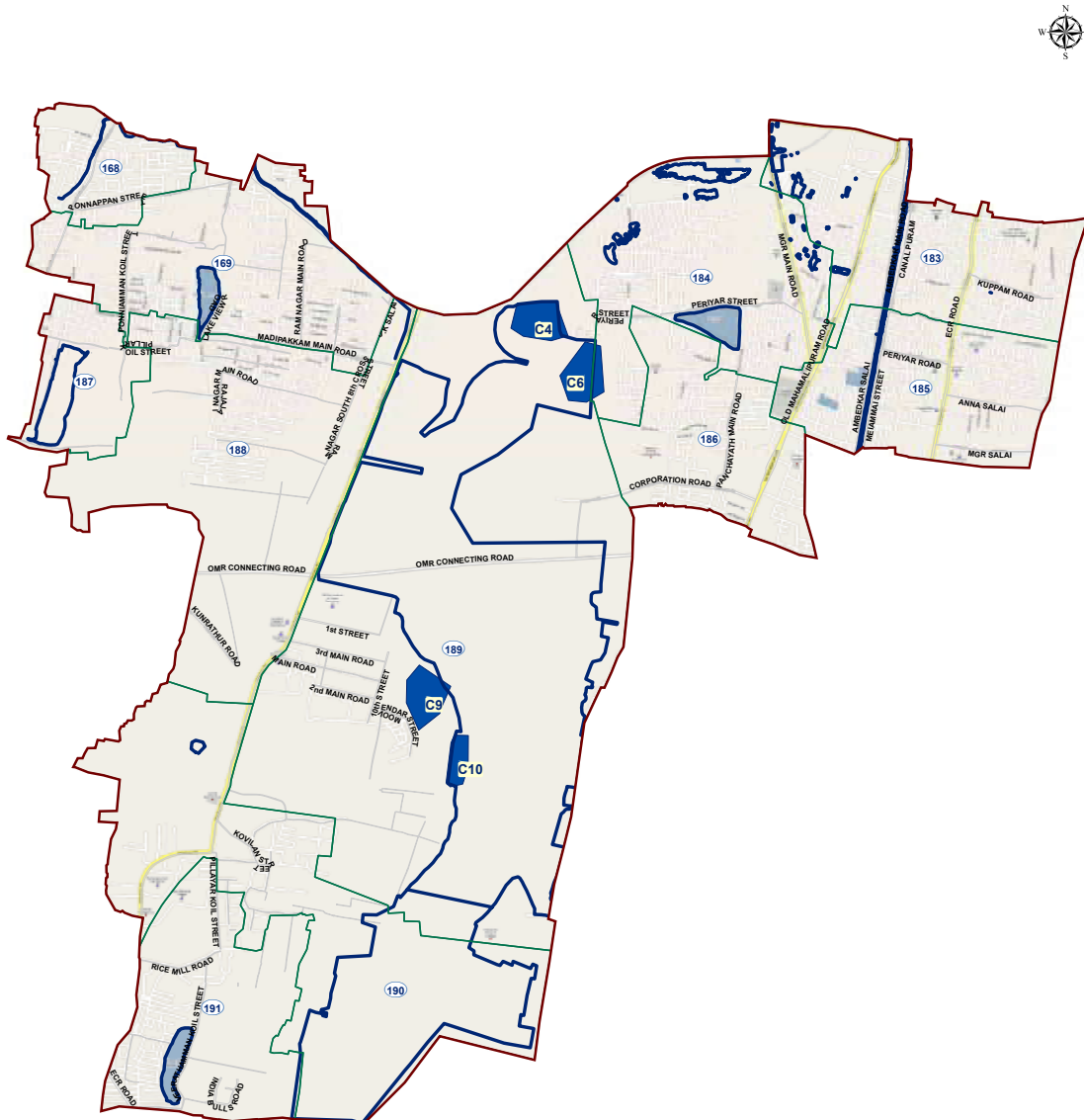
Canals

Sl. No.	Name of the Canal	Divisions Covered	From	To	Length of Canal (Km)
1.	Buckingham canal	183	Thiruvanmiyur	Palavakkam	2.80
2.	Buckingham canal	185	Kottivakkam	Neelangarai	
3.	Narayanapuram lake Canal	188	Narayanapuram	Marsh Land	0.95
4.	Mylai Balaji Nagar 4 th Block Canal	188	Ram nagar 16th street	marsh land	0.8
5	Mylai Balaji Nagar 1st Block Canal	188	Ram nagar 13th main road	Marsh Land	0.35

Other water bodies

S. No	Ward	Location	Length/Area in M ²	Maintenance
1.	169	Veerangal Odai (North)	800	PWD
2.	169	Veerangal Odai (South)	1200	PWD
3	188	Veerangal Odai (East)	950	PWD
4	168	Veerangal Odai	975	GCC
5	188	Keelkattalai Canal	1550	PWD

ZONE XIV - WATER BODIES



CANAL/OTHER WATER BODIES

Canal/Other water bodies		
ID	Ward	Name of the Canal/Other water bodies
C1	168	Veerangal Odai
C2	169	Veerangal Odai
C3	183	B'Canal
C4	184	Perungudi Marsh Land
C5	185	B'Canal
C6	186	Pallikaranai Marsh Land
C6A	186	B'Canal
C7	187	canal located at the back side of Mylai Balaji Nagar
C8	188	canal located at the back side of Mylai Balaji Nagar
C9	189	Pallikaranai Marsh Land
C10	190	Pallikaranai Marsh Land
C11	191	PWD Lake

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone.

182 storm water drains to a length of 59.596 Km were constructed to ease the flow of rain water in Perungudi zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs Km
1.	168	6	2.715
2.	169	24	2.245
3.	183	19	4.966
4.	184	8	6.26
5.	185	24	4.605
6.	186	7	2.245
7.	187	14	3.71
8.	188	51	19.326
9.	189	19	7.191
10.	190	8	1.847
11.	191	2	1.56
TOTAL		182	59.596

Water stagnated streets in the previous monsoon - heavy rain fall

During the last monsoon, 311 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnation and actions taken to dispose the rain water in each location are as below,

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	168	Nanganallur 6th main road	2.5 H.P	Medavakkam main road,	Veerangal Oodai
2		Nanganallur 2nd main road			
3		Mac Millan main road			
4		Giri street			
5		NSC Bose road			
6		Mathiyazhagan street			
7		Kamaraj Street			
8	169	Balaji Nagar 40th Street Cross	3.5 H.P	Ram Nagar	Veerangal Oodai
9		Balaji Nagar 41st Street			
10		Balaji Nagar Extn., 1st Street			
11		Balaji Nagar Extn., 2nd Street	10 H.P	Ram Nagar North	
12		AG's Colony 1-3 Street			
13		AG's Colony 1- 2Cross Street			
14	183	Kaveri nagar	7.5 H.P	East Coast Road Bata Show Room	Bay of Bengal
15		Bay blue watch Road			
16		Jaganathan street			
17		Kaveri nagar 5th street			
18		kaveri nagar 2nd street			
19		Lakshmana perumal nagar 4-5 street	3 H.P	OMR TVH Company	

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point		
20	183	Thulukanathamman koil street	3 H.P	OMR TVH Company	B'Canal		
21		Kalathumedu 4th street					
22		Selvaraj avenue					
23		Vengadesapuram main road					
24		Elango nagar (South)	5 H.P	Bay blue watch Road			
25		Elango nagar (North)					
26		Puratchi Thalaivi main road					
27		Puratchi Thalaivi 1st cross to 13 th cross					
28		Anna nagar					
29		Swaminathan nagar 5-6 street					
30		184	MGR Salai	5 H.P		Ward Office - Ward 184 and at the junc of OMR, MGR Salai	Perungudi Marsh Land
31			annai sandhiya nagar				
32	J.J.Nagar						
33	Ambedkar puratchi nagar						
34	kamaraj salai						
35	sempon nagar						
36	Thiruvallar nagar						
37	Annai sandhiya nagar Extn						
38	Mullai street						
39	Kambar street						
40	anjugam ammayar nagar						
41	kodikatha kumaran street						
42	karikalan street						
43	va.voo.si nagar						
44	kakkan street						
45	anna street,						
46	nagamani adiglar street						
47	annai abirami street						
48	k.p.k nagar west						
49	k.p.k nagar north						
50	sai ayush pooja avenue						
51	Thiruvallar salai						

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
52	185	Palkalai nagar 1 st cross street	5 H.P	Ward Office - Ward 185	Bay of Bengal
53		Palkalai nagar 2 nd cross street			
54		Palkalai nagar 3 rd cross street			
55		Palkalai nagar 4 th cross street			
56		Palkalai nagar 5 th cross street			
57		Palkalai nagar 6 th cross street			
58		Palkalai nagar 7 th cross street			
59		Palkalai nagar 8 th cross street			
60		Palkalai nagar 9 th cross street			
61		Palkalai nagar 1 st link street			
62		Palkalai nagar 1 st link 1 st cross street			
63		Palkalai nagar 1 st link 1 st cross street			
64		Palkalai nagar 2 nd link street			
65		Palkalai nagar 2 nd link 1 st cross street			
66		Palkalai nagar 3 rd link street			
67		Palkalai nagar 4 th cross street			
68		Palkalai nagar 4 th link			
69		Palkalai nagar 5 th link			
70		Palakalai nagar 1 st cross street			
71		Palakalai nagar 2 nd cross street			
72		Palkalai nagar 6 th link			
73		Palkalai nagar avenue			
74		Palkalai nagar avenue 1 st cross street			
75		Palkalai nagar avenue 2 nd cross street			
76		Palkalai nagar avenue 3 rd cross street			
77		Palkalai nagar avenue 4 th cross street			
78		Palkalai nagar avenue 5 th cross street			
79		Palkalai nagar avenue 6 th cross street			
80	Palkalai nagar avenue 7 th cross street				
81	Palkalai nagar avenue 8 th cross street				
82	Palkalai nagar avenue 9 th cross street				

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point	
83	186	Maruthi nagar 1st main road	7.5 HP	Maruthi Nagar, Division Office - Div 186	Pallikaranai Marsh Land B'Canal	
84		Maruthi nagar 1st cross street				
85		Maruthi nagar 2nd cross street				
86		Maruthi nagar 3rd cross street				
87		Maruthi nagar 4th cross street				
88		Maruthi nagar 5th cross street				
89		Senthil nagar main road				
90		Senthil nagar main road 1st cross				
91		Senthil nagar main road 2nd cross				
92		Senthil nagar main road 3rd cross				
93		Senthil nagar main road 4th cross				
94		Senthil nagar main road 5th cross				
95		Senthil nagar main road 6th cross				
96		Senthil nagar main road 7th cross				
97		Senthil nagar main road 8th cross				3.5 HP
98		Manikodi srinivasan nagar 3rrd cross				
99		Srinath nagar				
100		Perungudi industrial Estate				
101		Perungudi industrial Estate 2nd street				
102		Perungudi industrial Estate 3rd street				
103		Perungudi industrial Estate 4th street				
104		Selvaganapthy avenue extrn				
105		Selvaganapthy avenue 3rd main road				
106		Selvaganapthy avenue 2nd street				
107		Selvaganapthy avenue 3rd street				
108		saravana nagar kudisai paguthi				
109		Saravana nagar 2nd street				
110		Rajiv nagar 4th cross				

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
111	187	New kubera nagar 5th street	3 HP	Ward Office - Ward 187	canal located at the back side of Mylai Balji-Nagar
112		New kubera nagar 6th street			
113		New kubera nagar 3rd street			
114		Karthikeyapuram 12 th street			
115		Madipakkam main road			
116		Bhuvaneswari street			
117	188	Kuberan Nagar Ext. 1 st Street	7.5 HP	Ward Office - Ward 188	canal located at the back side of Mylai BaljiNagar
118		Kuberan Nagar Ext. 3 rd Street			
119		Kuberan Nagar Ext. 4 th Street			
120		Rajaji Nagar 3 rd Street			
121		Ram Nagar 13 th Main Road			
122		Ram Nagar 14 th Main Road			
123		Ram Nagar 15 th Main Road			
124		Ram Nagar 16 th Main Road			
125		LIC Nagar 1 st Street			
126		LIC Nagar 5th Street			
127		LIC Nagar 6th Street			
128		Lakshmi Nagar Main Road			
129		Lakshmi Nagar 2 nd Street			
130		Lakshmi Nagar 3 rd Street			
131		Lakshmi Nagar 4 th Street			
132		Veeramani Street			
133		Bharathi Dasan Street	10 HP		
134		Mahalakshmi Nagar Main Road Bharathidasan Street			
135		Jeeva Nagar 1 st Street			
136		Jeeva Nagar 2 nd Street			
137		Jeeva Nagar 3 rd Street			
138		Ram Nagar 9 th Main Road			
139		Ram Nagar 10 th Main Road			
140		Ram Nagar 12 th Main Road			
141		Salban Kuttai Main Road			
142		Salban Kuttai Main Road Ext. (Nehru Street)			
143		Salban Kuttai 2 nd Cross Street			
144		West Anna Nagar 1st Street			
145		West Anna Nagar 2nd Street			
146	West Anna Nagar 3rd Street				
147	West Anna Nagar 4th Street				
148	West Anna Nagar 5th street				
149	West Anna Nagar 6th Cross Street				
150	West Anna Nagar 6th.Street				

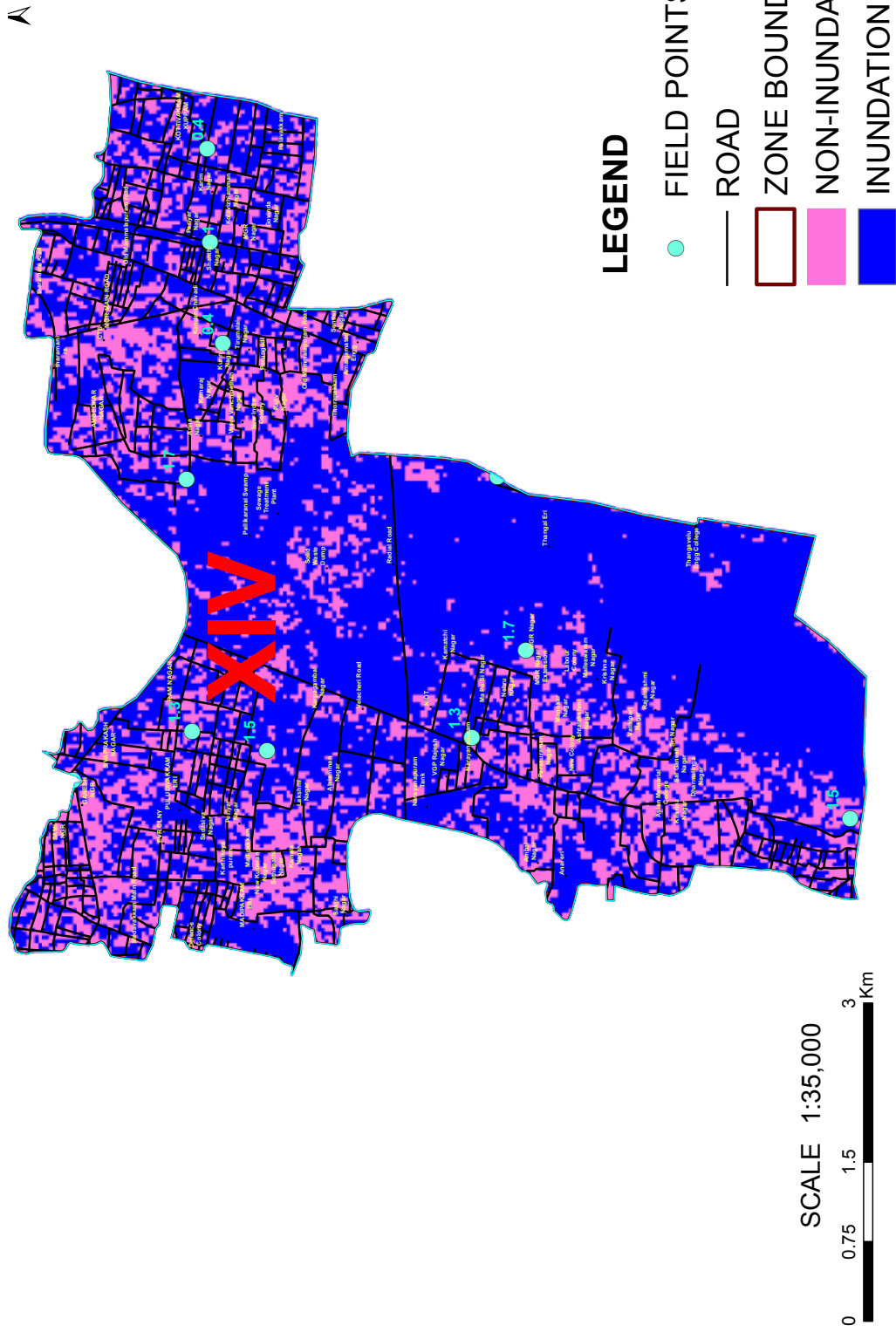
S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
151		West Anna Nagar 7th Street	2 HP	ward Office - Ward 188	canal located at the back side of Mylai BaljiNagar
152		West Anna Nagar 8th Street			
153		West Anna Nagar 9th Street			
154		West Anna Nagar 9th Cross Street			
155		West Anna Nagar 10th Street			
156		West Anna Nagar 12th Steet			
157		Rajesh Nagar Park Road			
158		Rajesh Nagar Extn. 2nd Main Road			
159		Rajesh Nagar Extn. 4th Main Road			
160		Rajesh Nagar Extn. 5th Main Road			
161		Rajesh Nagar 1st Main Road Cross Street			
162		Rajesh Nagar 2nd Main Road Cross Street			
163		Rajesh Nagar 3rd Main Road Cross Street			
164		Rajesh Nagar 4th Main Road Cross Street			
165		Rajesh Nagar 5th Main Road 2nd Cross Street			
166		Rajesh Nagar 4th Cross street			
167		Rajesh Nagar 6th Cross street			
168		VGP Rajesh Nagar 1st Main Road			
169		Narayanapuram Erikarai Salai			
170		Nageswariamman Nagar	3 HP		
171		Sri Nagar 1st Street			
172		Sri Nagar 2nd Street			
173		Sri Nagar 3rd Street			
174		Sri Nagar 4th Street			
175		Sri Nagar 5th Street			
176		Sri Nagar 6th Street			
177		Krishna Street			
178		Venkatesh Street			
179		Srinivasan Street			
180		Narayanan Street			
181		Govindan Street			
182		Arumugam Nagar 1 st Street			
183		Arumugam Nagar 2 nd Street			
184		Arumugam Nagar 3 rd Street			

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
185	189	Kamatchiyamman Nagar	5 HP	Ward Office - Ward 189	Pallikaranai Marsh land
186		Quide – Millath Nagar			
187		Ma.Po.Si Nagar			
188		Anna M.G.R Nagar			
189		Thangam Nagar			
190		Sai baba Nagar			
191		Tropical Colony			
192		Krishna Nagar			
193		Sai Balaji Nagar			
194		Sivas Avenue			
195		Jayabal Nagar			
196		Kamokotti Nagar			
197		Meru Nagar			
198	A.G.S Colony				
199	Sai Balaji Nagar Part-II				
200	190	Tambaram Velacherry main road	5 HP	Ward Office - Ward 190	Pallikaranai Marsh land
201		Immanual street			
202	191	Pallavan Nagar	5 HP	Ward Office - Ward 191	PWD Lake
203		Padmavathy Nagar			
204		Nesavallar Nagar			
205		Anchaneya Nagar			
206		Sai ganesh Nagar			
207		Quiathey millath street			
208		Green court Main Road			
209		Jayachandran Nagar 3rd main road			

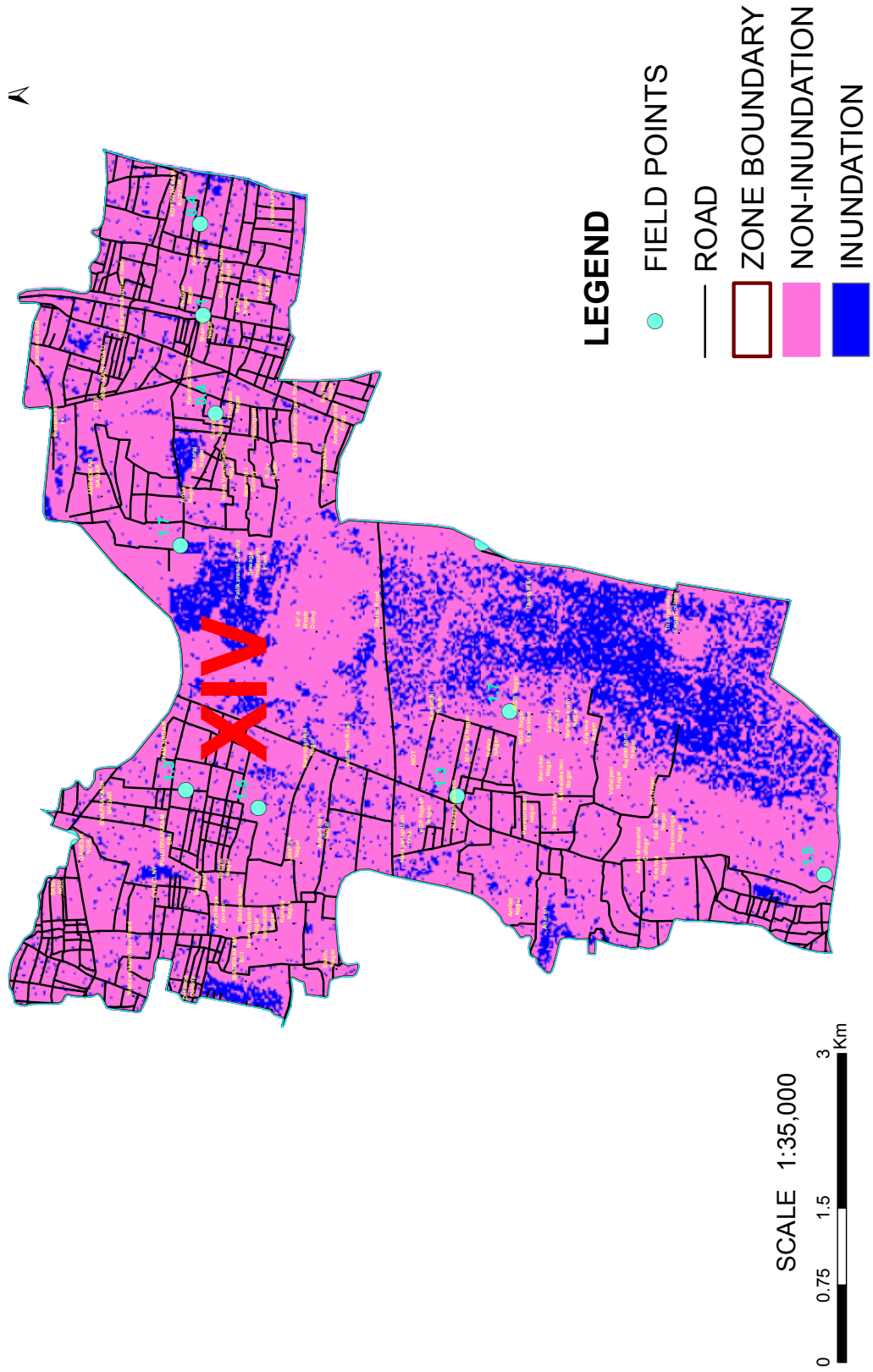
Anna University has mapped the areas inundated in this zone during 2005 flood by crowd sourc method, the picture of the same is given below.

The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

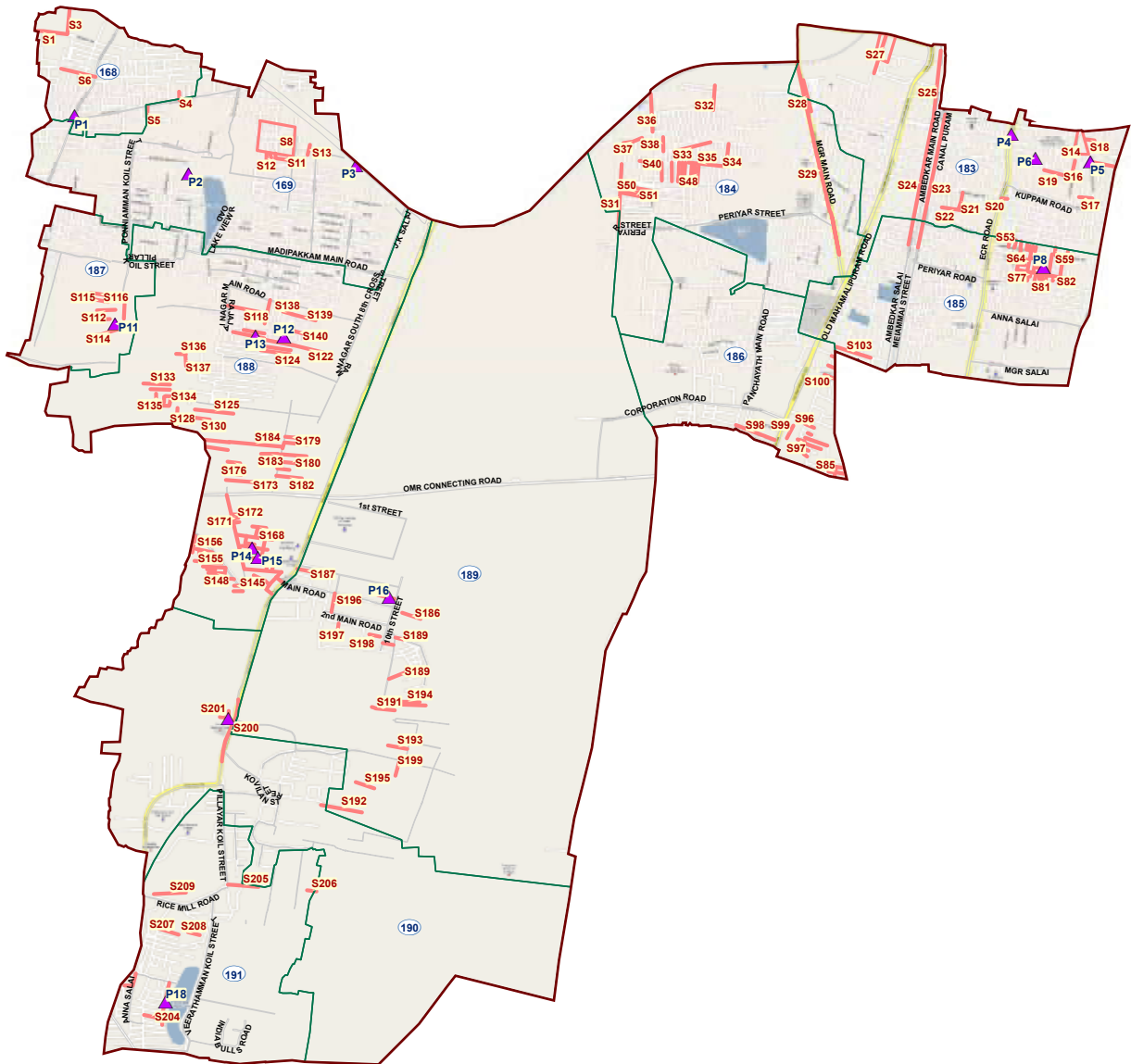
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE XIV - ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon

Location of Diesel Pump Location

Saravana Nagar



Stagnation of water in streets due to sewer blocks:

There is no sewer Blocks in Perungudi Zone.

Relief Centres

There are 20 relief centres to a total capacity of 17,600 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

S. No	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	168	200	ST Thomas Primary School (Nanganallur)	Madhialagan street, Kamaraj street, Gandhi street, kannagi street, Nehru street	YES	YES	NO	Sanitation, Medicine	SI	9445025968
								Evacuation	AE	9445190768(i/c)
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190768 (i/c)

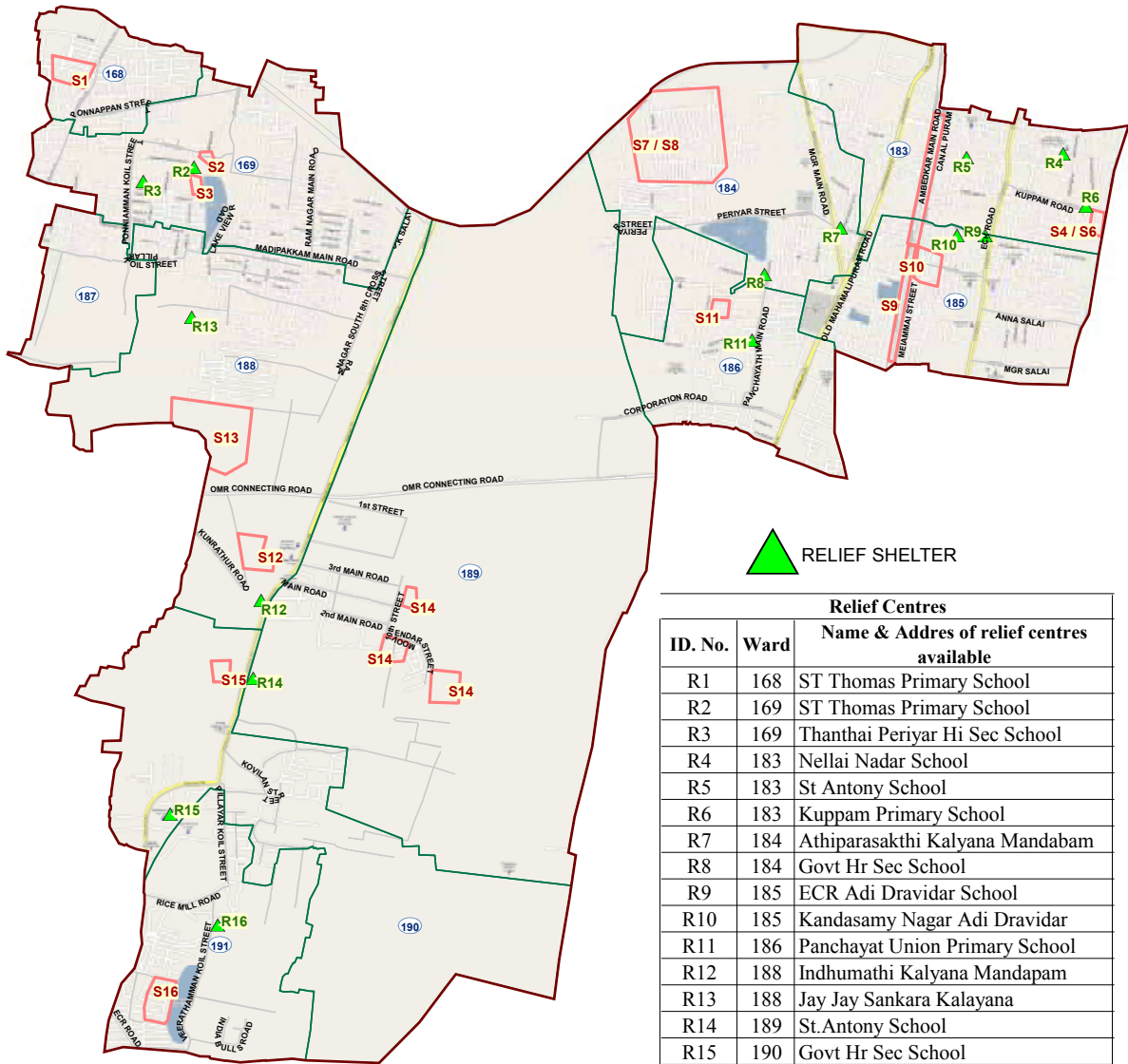
S. No	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
2	169	300	ST Thomas Primary School	Pillayar Koil street, Easwaran koil street, Mandaveli street, Gangai amman koil street	YES	YES	NO	Sanitation, Medicine	SI	9445025968 (i/c)
								Evacuation	AE	9445190769
								Food & Drinking water	ARO	9445190094
									AE	9445190769
								Relief Materials		
3	169	700	Thanthai Periyar Hi Sec School	Sarathi nagar, Ravanan nagar, Balaji Nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025968 (i/c)
								Evacuation	AE	9445190769
								Food & Drinking water	ARO	9445190094
									AE	9445190769
								Relief Materials		
4	183	1500	Nellai Nadar School	Kottivakkam kuppam, New colony,	YES	YES	NO	Sanitation, Medicine	SI	9445025983 (i/c)
								Evacuation	AE	9445190783
								Food & Drinking water	ARO	9445190094
									AE	9445190783 (i/c)
								Relief Materials		

S. No	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
5	183	1500	St Antony School	Swaminadhan nagar, enkatesapuram, Ilango nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025983 (i/c)
								Evacuation	AE	9445190783
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190783 (i/c)
6	183	300	Kuppam Primary School	Kottivakkam Kuppam	YES	YES	NO	Sanitation, Medicine	SI	9445025983 (i/c)
								Evacuation	AE	9445190783
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190783 (i/c)
7	184	1000	Govt Hr Sec School	Kallukuttai area	YES	YES	NO	Sanitation, Medicine	SI	9445025986 (i/c)
								Evacuation	AE	9445190784
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190784
8	185	1500	ECR Adi Dravidar School	Kandasamy nagar, periyar salai & Maniyammai street	YES	YES	NO	Sanitation, Medicine	SI	9445025983 (i/c)
								Evacuation	AE	9445190785
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190785

S. No	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
9	185	500	Kandasamy Nagar Adi Dravidar Primary School	Kandasamy nagar , periyar salai, Maniyammai street	YES	YES	NO	Sanitation, Medicine	SI	9445025983 (i/c)
								Evacuation	AE	9445190785
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190786
10	186	500	Panchayat Union Primary School	Selvaganapathu avenue	YES	YES	NO	Sanitation, Medicine	SI	9445025986 (i/c)
								Evacuation	AE	9445190786
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445025986 (i/c)
11	188	1800	Jay Jay Sankara Kalayana Mandapam	Interior of Madipakkam	YES	YES	NO	Sanitation, Medicine	SI	9445025989
								Evacuation	AE	9445190788
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190788
12	188	700	Mylai Balaji nagar Block II	Mylai Balaji nagar	yes	yes	No	Sanitation, Medicine	SI	9445025988
								Evacuation	AE	9445190788
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190788

S. No	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
13	188	300	Madipakkam Bus stand	Ambethkar Salai	yes	yes	No	Sanitation, Medicine	SI	9445025988
								Evacuation	AE	9445190788
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190788
14	189	500	St. Antony School	Quide Mil-lathe street Kamatchiaman Nagar Anna Mgr Nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025989
								Evacuation	AE	9445190789
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190789
15	190	400	Govt Hr Sec School	Sri Nagar ,Pasumpon Nagar, Sai Balaji Nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025990
									AE	9445190790
								Evacuation	ARO	9445190094
								Relief Materials	AE	9445190790
16	191	400	St. Thomas Panchayat Union Middle School	Nesavalar Nagar, Pallavan Nagar, Padmavathy Nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025991
									AE	9445190791
								Evacuation	ARO	9445190094
								Relief Materials	AE	9445190791

ZONE XIV - EVACUATION & RELIEF SHELTERS



RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Address of relief centres available
R1	168	ST Thomas Primary School
R2	169	ST Thomas Primary School
R3	169	Thanthai Periyar Hi Sec School
R4	183	Nellai Nadar School
R5	183	St Antony School
R6	183	Kuppam Primary School
R7	184	Athiparasakthi Kalyana Mandabam
R8	184	Govt Hr Sec School
R9	185	ECR Adi Dravidar School
R10	185	Kandasamy Nagar Adi Dravidar
R11	186	Panchayat Union Primary School
R12	188	Indhumathi Kalyana Mandapam
R13	188	Jay Jay Sankara Kalayana
R14	189	St. Antony School
R15	190	Govt Hr Sec School
R16	191	St. Thomas Panchayat Union Middle

STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	168	Madhialagan street, Kamaraj street, Gandhi street, kannagi street, Nehru street
S2	169	Pillayar Koil street, Easwaran koil street, Mandaveli street, Gangai amman koil street
S3	169	Sarathi nagar, Ravanan nagar, Balaji Nagar
S4	183	Kottivakkam kuppam, New colony,
S5	183	Swaminadhan nagar, venkatesapuram, Ilango nagar
S6	183	Kottivakkam Kuppam
S7	184	Kallukuttai area
S8	184	Kallukuttai area
S9	185	Kandasamy nagar, periyar salai & Maniyammai street
S10	185	Kandasamy nagar , periyar salai, Maniyammai street
S11	186	Selvaganapathu avenue
S12	188	Rajesh nagar
S13	188	Interior of Madipakkam
S14	189	Quide Millathe street Kamatchiamman Nagar Anna Mgr Nagar
S15	190	Sri Nagar ,Pasumpon Nagar, Sai Balaji Nagar
S16	191	Nesavalar Nagar, Pallavan Nagar, Padmavathy Nagar

Subway

There is no subway as of now available in this zone.

Tree fall

During the last monsoon, in Perungudi zone totally 24 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward. No	Name of the Streets
1.	168	Vinayaga Nagar 3rd street
2.	169	Hindu Colony 2nd main road, Puzhithvakkam Bus stand
3.	183	New Colony, AGS Colony, Bay watch road, Kaveri Nagar, Kalyani Nagar (Nellai Nadar School), Journalist Colony
4.	184	Church road, Ramappa Nagar, CBI Colony,
5.	185	VGP Layout 1st main road, Palkalai nagar, Anna Salai (Sea Shell Avenue),
6.	186	Kurinji Nagar 8th cross street,
7.	188	Govindasamy Nagar 7th street, Sadasivam nagar 4th main road, Dr. Ramamoorthy Nagar Main road, Tendulkar street,
8.	189	VGP Shanthi nagar Lakshmi 1st street, Radial Road,
9.	190	Bharathidasan 1st cross street,
10.	191	Jayachandran nagar 1st main road, Jayachandran nagar 5th main road

Streets - where water entered houses - do not require evacuation

During the last monsson, 610 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water.

During NEM 2015 the under mentioned 10 locations were inundated for more than a day by which the normal day to day activity of 10533 people were stand-stilled. Flood water from these areas were cleared by using 64 pumps ranging from 5 HP to 100 HP capacity. The identified vulnerable spots is as below,

Sl. No	Ward/ Name	Name of the area/ streets
1.	168 Ullagaram	Nanganallur 6th main road, Nanganallur 2nd main road, Mac Millan main road, Giri street NSC Bose road Mathiyazhagan street, Kamaraj Street
2.	169 Puzhuthivakkam	Balaji Nagar 29-39 Streets, Balaji Nagar 40th Street Cross, Balaji Nagar 41st Street, Balaji Nagar Extn., 1st Street, Balaji Nagar Extn., 2nd Street, AG's Colony 1- 3 streets, AG's Colony 1st Cross Street, AG's Colony 2nd Cross Street Kaveri nagar, Bay blue watch Road, Jaganathan street, Kaveri nagar 5th street, kaveri nagar 2nd street, Lakshmana perumal nagar 4th street, Lakshmana perumal nagar 5th street, Thulukanathamman koil street, Kalathumedu 4th street, Selvaraj avenue
3.	183 Kottivakkam	Vengadesapuram main road, Elango nagar (South), Elango nagar (North), Puratchi Thalaivi main road, Puratchi Thalaivi 1st cross to 13 th cross, Anna nagar, Swaminathan nagar 5th street, Swaminathan nagar 6th street, MGR Salaiannai, sandhiya nagar, J.J.Nagar, Ambedkar puratchi nagar, kamaraj salai, sempon nagar, Thiruvallar nagar, Annai sandhiya nagar Extn, Mullai street, Kamar street, anjugam ammaiyar nagar, kodikatha kumaran street, karikalan street, va.voo.si nagar, kakkan street, anna street, nagamani adiglar street, annai abirami street, k.p.k nagar west, k.p.k nagar north, sai ayush pooja avenue, Thiruvallar salai
4.	185 Perungudi	MGR Salaiannai, sandhiya nagar, J.J.Nagar, Ambedkar puratchi nagar, Maniammai street, Kandasamy nagar 1st street, Kandasamy nagar 2nd street, Kandasamy nagar 3rd street, Kandasamy nagar 4th street, Gandhi nagar, Gandhi nagar 1- 3 streets, Kolavizhiamman nagar, Maniammai street, Kolavizhiamman nagar 1 -15 streets, Krishna nagar 1 – 8 cross street, M.G.R nagar 1- 4 cross streets, Ambedkar salai, Veeramani salai main road, Veeramani salai 1 – 4 cross street, Krishna Nagar Main Road.

Sl. No	Ward/ Name	Name of the area/ streets
5.		Jeevanandham street, Jeevanandham 1st cross street, Thiru.vi.ka 1st cross street, Thiru.vi.ka 2nd cross street, Thiruvalluvar 1 - 3 main roads, Thiruvalluvar 1-10 cross street, Vembuli amman koil street, Vembuli amman 1 – 3 streets,
6.	186 Palavakkam	Maruthi nagar 1st main road, Maruthi nagar 1- 5 cross street, Senthil nagar main road 8th cross, Selvaganapthy avenue extn, Selvaganapthy avenue 3rd main road, Selvaganapthy avenue 2nd street, Selvaganapthy avenue 3rd street,
7.	187 Perungudi	New kubera nagar 5th street New kubera nagar 3rd street
8.	188 Madipakkam	Nageswariamman Nagar, Arumugam Nagar 1st Street, Arumugam Nagar 2nd Street, Arumugam Nagar 3rd Street, Salban Kuttai Main Road, Rajesh Nagar 1st Main Road Cross Street, Rajesh Nagar 2nd Main Road Cross Street, Rajesh Nagar 3rd Main Road Cross Street, Rajesh Nagar 5th Main Road 2nd Cross Street, VGP Rajesh Nagar 1st Main Road, Myllai Balaji Nagar 1st block 1st Street, Myllai Balaji Nagar 3rd block 2nd Street, Myllai Balaji Nagar 2nd block 5th Street
9.	188 Madipakkam	Rajesh Nagar 4th Main Road Cross Street, West Anna Nagar 1-3 Street, West Anna Nagar 6th. Street, West Anna Nagar 7th Street, West Anna Nagar 9th Cross Street,
10.	188 Ma- dipakkam	Kamatchiyamman Nagar 1st street to 5th street, Quide –Millath Nagar 1st street to 5th street, Ma.Po.Si Nagar 1- 3 streets, Ma.Po. Si Nagar cross street, Anna MGR Nagar, Gandhi St, Anna M.G.R Nagar Indira Gandhi St, Anna MGR Nagar Pari St, Anna MGR Nagar Rajiv Gandhi St, Poongavanathamman koil street, Nehru street, N.S.K street, Moovender Street, Bharathidasan street, Bharathiyar street, Sathyamoorthy street, Thangam Nagar 1st Street, Thangam Nagar Main Road, Sai baba Nagar 1st Cross Street, Sai baba Nagar 1st Street, Sai baba Nagar 2nd Main Road, Sai baba Nagar 2nd Main Road 1st Street, Sai baba Nagar 3rd Main Road, Sai baba Nagar 4th Main Road, Sai baba Nagar 5th Main Road,

Sl. No	Ward/ Name	Name of the area/ streets
11.	190 Pallikaranai	Quide – Millath Nagar 1 st street to 5 th street, Ma.Po.Si Nagar cross street, Trobical Avenue 1st Main Road, Trobical Avenue 2nd Main Road Krishna Nagar Main Road, Krishna Nagar 1st Cross St, Krishna Nagar 2nd Cross St, Sai Balaji Nagar 1st Main Road, Sai Balaji Nagar 1st Street, Sai Balaji Nagar 2nd Main Road, Sai Balaji Nagar 2nd Street, Sai Balaji Nagar 3rd 1st Cross Street, Sai Balaji Nagar 3rd 2nd Cross Street, Sai Balaji Nagar 3rd Main Road, Sai Balaji Nagar 3rd Street, Sivas Avenue, Jayabal Nagar, Kamokotti Nagar 1st main road, 2nd main road, 3rd main road, Kamokotti Nagar 1st street to 10th street, Meru Nagar 1st street to 5th street, A.G.S Colony 1st street to 11th street, Sai Balaji Nagar Part-II 1st street to 6th street
11.		Bharathidasan street, Carmel street, Kamarajar street, Rajiv Gandhi street, Moovendar street,
12.	191 Jalladianpettai	Pallavan Nagar 1-6 streets, Nethaji Street, Nagathamman koil street, Padmavathy Nagar Main road, pagavath singh street, Rajeshwari street
13.	191 Jalladianpettai	Pallavan street, Rajiv Ganthi street, Indira Ganthi street, Vivekanandar street, kannaki street, kamar street, manimeglai street, kovalan street, Indira Ganthi street, Rajiv Ganthi street, vaidyalingam street, valmigi street, kumakurubarar street, pachayamman koil street, moopandar street, logammal street, Mahaveerar street, mahaveerar 1st cross street, Mahaveerar 2nd cross street, Mahaveerar 3rd cross street, subash Chandra bose street, vanchinathan street, parivallal street, cholam street, Sai ganesh Nagar 2nd main Road, Sai ganesh Nagar 20 – 28 cross street, Quiatheyy millath street, masuti street, Green court Main Road, Jayachandran Nagar 3rd main road,

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Perungudi zone, 19100 people were evacuated from Ram Nagar, AGS colony, Balaji Nagar, Elango Nagar, K.P.K. Nagar, Kozhavizhi amman Nagar, M.G.R. Nagar, Thiruvalluvar Nagar, Maruthi Nagar, West Anna Nagar, Rajesh nagar Extn, Sri Nagar, Sai Balaji Nagar, Pallavan nagar, Sai Ganesh nagar and they were accomodated in Govt School Buildings, Annai Adhi Parasakthi kalyana Mandabam, Indumathy Kalayana Mandapam. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below

Ward	Streets	No. of persons	Years	Relief centre
168	M.G.R street, Erikkarai Salai, Kamarajar Street, Mathiazhagan Street, Eswaran Koil street, Puzhuthivakkam bus stand, Maheswari Avenue, Ram nagar 1 to 5 streets, Kaveri street, Brindhavan street, Gangai street, Yamunai street, Sivaraman street, Sundarajan salai, Sadasiva nagar 1 & 2 streets, Sivaprakasam nagar 2nd street,	400	Dec-15	CPS School, Ul-lagaram
		1370	Dec-15	St Thomas Primary School, Puzhuthivakkam,., Thanthai Periyar school, Puzhuthivakkam
183	MGR Nagar, Anna nagar, Sathya nagar, Elango nagar, Vengadesapuram, New Colony, Kuppam	4000	Dec-15	Amma Unavagam (ECR), Division Office -183 (ECR), Amma Unavagam (Taramani)
184	Santhiya nagar, J.J.Nagar, Annal Ambedkar nagar, K.P.K nagar West, Anjugam Ammaiyyar nagar, Kallukuttai,	10000	Dec-15	Amma Unavagam (Anna nedunchalai), Amma Unavagam (MGR Salai),. Amma Unavagam (ECR)
185	Maniyammai street, M.G.R nagar, Kolavziyamman street, Krishnan nagar, Ambedhakar street, Periyar street, Cholan nagar,	3200	Dec-15	Division Office -185 (ECR)

Ward	Streets	No. of persons	Years	Relief centre
186	Maruthi nagar, Senthil nagar, Saravana nagar, Selvaganapathy Avenue,	1500	Dec-15	.Amma Unavagam (Corporation Road), Amma Unavagam (Division off Road)
187	Karthikeyapuram 12 th Street, Madipakkam Main Road, New Kubera Nagar 5th Street,	400		Karthikeyapuram Building Cooperative Society - Madipakkam
188	Thanthai Periyar Nagar, Nagesh-wariamman Nagar, Rajesh Nagar, Anna Nagar West, Sri Nagar, Ram Nagar South Extn, Kuberan Nagar Extn,	1200	Dec-15	CMS School (Block 2 Myllai balaji nagar), Indumathi Kalyana Mandabam Rajesh Nagar, CMS School (Madipakkam Kulakarai Street), Jay Jay Sankara (Periyar Nagar 7th street)
189	Kamatchi Nagar, Quide Millth Nagar, Anna M.G.R Nagar, Sai Balaji Nagar, Thangam Nagar,	800	Dec-15	.Babpammal Kalyana Mandapam, Church Avenue, Mother School, Sembagathammal Mandapam
190	Sai balaji nagar, Pasumpon nagar, Vallal pari nagar, Immanu-vel street, Barathidasan street ,	1000	Dec-15	Panchayat Union Middle School, Jalladampet
191	Padmavathi Nagar, Pallavan Nagar, Neswallar Nagar, Ancheneyar Nagar, Sai Ganesh Nagar,	1250	Dec-15	

Lighting Facilities

There is no battery powered light available in the zone.

National Disaster Response Force (NDRF)

In Perungudi zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	169	Zonal Office -14 Puzhuthivakkam
2	183	AGS Colony Indoor Stadium
3	184	School Road Unit Office
4	185	Division Office ECR Main Road
5	188	Holy Prince Matri.Hr.Sec School
6	189	Sri Neelambal Mahal

NDRF

The Commandant
04, Battalion (NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

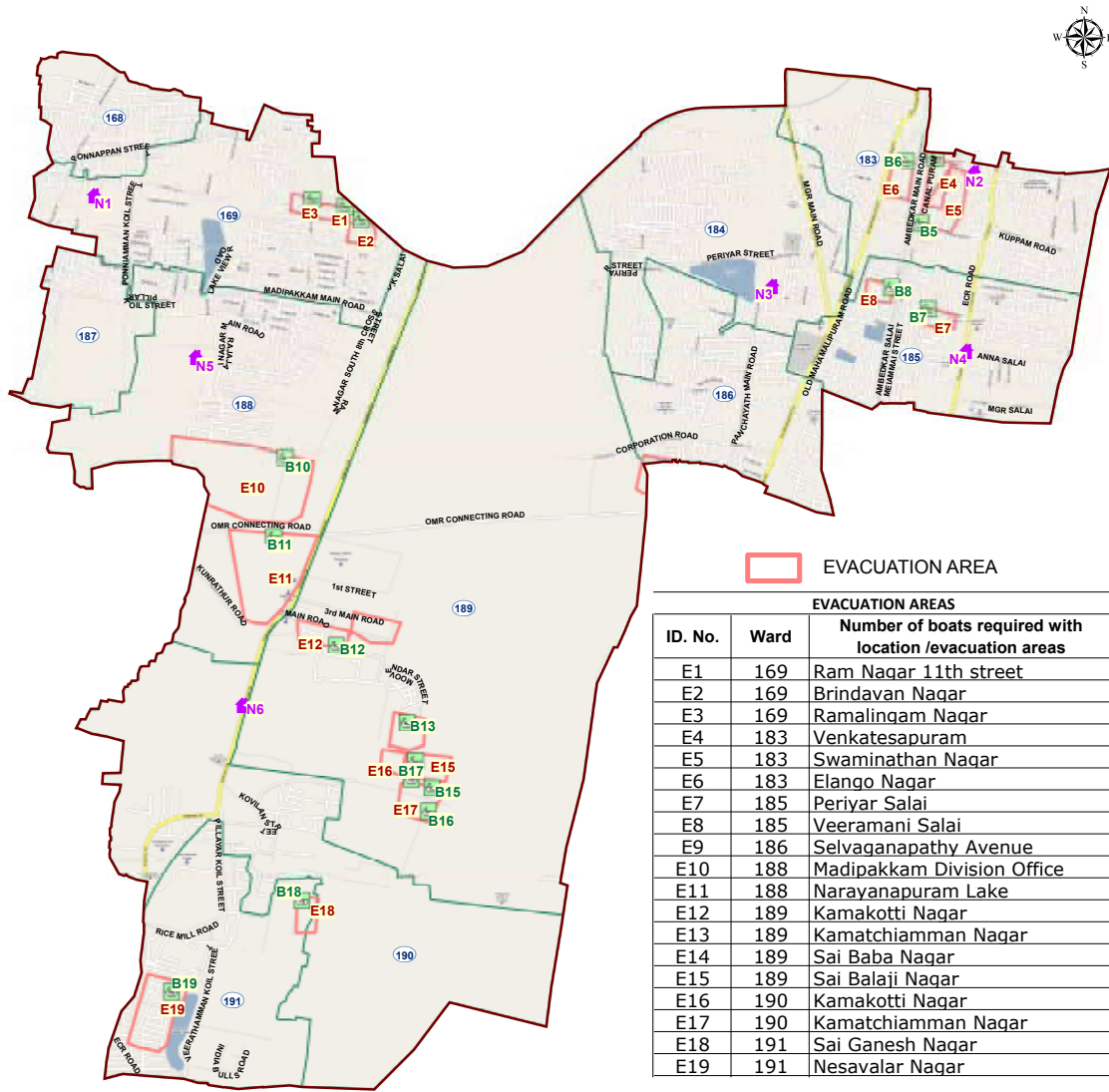


Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	ward	Number of boats required with location / evacuation areas	Boats stationed Locations	Contact person & Number
1	169	Ram Nagar 11th street	Ram Nagar 11th street	JE- 9445190769
2	169	Brindavan Nagar	Brindavan Nagar	JE- 9445190769

ZONE XIV - EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	169	Ram Naqar 11th street
E2	169	Brindavan Naqar
E3	169	Ramalingam Naqar
E4	183	Venkatesapuram
E5	183	Swaminathan Naqar
E6	183	Elango Naqar
E7	185	Periyar Salai
E8	185	Veeramani Salai
E9	186	Selvaganapathy Avenue
E10	188	Madipakkam Division Office
E11	188	Narayanapuram Lake
E12	189	Kamakotti Naqar
E13	189	Kamatchiamman Naqar
E14	189	Sai Baba Naqar
E15	189	Sai Balaji Naqar
E16	190	Kamakotti Naqar
E17	190	Kamatchiamman Naqar
E18	191	Sai Ganesh Naqar
E19	191	Nesavalar Naqar

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	169	Ram Naqar 11th street
B2	169	Brindavan Naqar
B3	169	Ramalingam Naqar
B4	183	Venkatesapuram
B5	183	Swaminathan Naqar
B6	183	Elango Naqar
B7	185	Periyar Salai
B8	185	Veeramani Salai
B9	186	Selvaganapathy Avenue
B10	188	Madipakkam Division Office
B11	188	Narayanapuram Lake
B12	189	Kamakotti Naqar
B13	189	Kamatchiamman Naqar
B14	189	Sai Baaba Naqar
B15	189	Sai Balaji Naqar
B16	190	Kamakotti Naqar
B17	190	Kamatchiamman Naqar
B18	191	Sai Ganesh Naqar
B19	191	Nesavalar Naqar

↑ NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	169	Zonal Office -14 Puzhuthivakkam
N2	183	AGS Colony Indoor Stadium
N3	184	School Road Unit Office
N4	185	Division Office ECR Main Road
N5	188	Holy Prince Matri.Hr.Sec School
N6	189	Sri Neelambal Mahal

Sl. No.	ward	Number of boats required with location / evacuation areas	Boats stationed Locations	Contact person & Number
3	169	Ramalingam Nagar	Ramalingam Nagar	JE- 9445190769
4	183	Venkatesapuram	Venkatesapuram	JE-9445190783 (i/c)
5	183	Swaminathan Nagar	Swaminathan Nagar	JE-9445190783 (i/c)
6	183	Elango Nagar	Elango Nagar	JE-9445190783 (i/c)
7	185	Periyar Salai	Periyar Salai	AE-9445190785
8	185	Veeramani Salai	Veeramani Salai	AE-9445190785
9	186	Selvaganapathy Avenue	Selvaganapathy Avenue	AE-9445190786 (i/c)
10	188	Madipakkam Division Office	Madipakkam Division Office	AE-9445190788
11	188	Narayanapuram Lake	Narayanapuram Lake	AE-9445190788
12	189	Kamakotti Nagar	Kamakotti Nagar	AE-9445190789
13	189	Kamatchiamman Nagar	Kamatchiamman Nagar	AE-9445190789
14	189	Sai Baba Nagar	Sai Baaba Nagar	AE-9445190789
15	189	Sai Balaji Nagar	Sai Balaji Nagar	AE-9445190789
16	190	Kamakotti Nagar	Kamakotti Nagar	AE-9445190790
17	190	Kamatchiamman Nagar	Kamatchiamman Nagar	AE-9445190790
18	191	Sai Ganesh Nagar	Sai Ganesh Nagar	AE-9445190791
19	191	Nesavalar Nagar	Nesavalar Nagar	AE-9445190791

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 6 debris lorries, 3 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below.

No. of lorries and type kept in readiness	
Debris lorry	- 4
Skid steer loaders (Bob cat)	- 4
(Front end loader) JCB	- 2

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445026115	2	4	4	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

S.No	Ward no/ Area	Name of the street
1.	169 Puzhuthi vakkam	<p>Ram Nagar 1 to 12 Streets,bagirathi nagar vallal athiyaman street, bagirathi nagar vallal kumanan street, bagirathi nagar vallal kari street, bagirathi nagar padmavathi street, bagirathi nagar padmavathi nagar balaji street, bagirathi nagar padmavathi nagar thirumoolar street, srinivasa nagar thirugnanasambandar st, srinivasa nagar kavimani street, Gangai Street, Yamunai Street, Vaiga Street,Kaveri Street, Sri Ramar Koil Street, Chookkanathan Street, Sivasubramaniam Street (Pillayar kovil street), Siva Raman Street, Vidya Surabi School Street, Ramkumar Street, James Street, James Cross Street, Vasukiyar Street, Ram Nagar Srinivasan Salai,Ramalingam 1st Street, Kalaivanar Street, Bageerathi Nagar Sundar Rajan Salai, Bageerathi Nagar Sundar Rajan Salai Cross, Srinivasa Nagar Vivegananthar Street,Srinivasa Nagar Arivoli Street, Srinivasa Nagar Brindavan Street, Brindavan Street 1 to 6 cross streets, Mullai Street, Ramalingam Nagar Main Road Lane, Srinivasa Nagar 1st Cross St,Srinivasa Nagar 2nd Cross St</p> <p>Elango Ntagar, Venkatesapuram, Venkatesapuram, Swaminathan Nagar, Kuppam, MGR Salai, Annai sandhiya nagar, J.J.Nagar, Ambedkar puratchi nagar, kamaraj salai, sempon nagar, Thiruvallar nagar, Annai sandhiya nagar Extn, Mullai street, Kamar street, anjugam ammayiar nagar, kodikatha kumaran street, karikalan street,va.voo.si nagar, kakkan street, anna street, nagamani adiglar street,annai abirami street, k.p.k nagar west, k.p.k nagar north, sai ayush pooja avenue, Thiruvallar salai,</p>
2.	183 Kotti vakkam	<p>Venkatesapuram, Swaminathan Nagar, Kuppam, MGR Salai, annai sandhiya nagar, J.J.Nagar,</p>

S.No	Ward no/ Area	Name of the street
3.	185 Pala vakkam	<p>Maniammai street, Kandasamy nagar 1st street, Kandasamy nagar 2nd street, Kandasamy nagar 3rd street, Kandasamy nagar 4th street, Gandhi nagar, Gandhi nagar 1st street, Gandhi nagar 2nd street, Maniammai street, Kolavizhiamman nagar, Kolavizhiamman nagar 1 to 15 streets, Krishna nagar main road, Krishna nagar 1 to 8 cross street, Krishna nagar 2nd cross street, Krishna nagar 3rd cross street, Krishna nagar 4th cross street, Krishna nagar 5th cross street, Krishna nagar 6th cross street, Krishna nagar 7th cross street, Krishna nagar 8th cross street, M.G.R nagar 1st cross street, M.G.R nagar 2nd cross street, M.G.R nagar 3rd cross street, Gandhi nagar 4th cross street, Ambedkar salai</p> <p>Veeramani salai main road, Veeramani salai 1 to 4 cross streets, Jeevanandham street, Jeevanandham 1st cross street, Thiru.vi.ka 1st cross street, Thiru.vi.ka 2nd cross street, Thiruvalluvar 1 to 3 main roads, Thiruvalluvar 1 to 10 cross streets, Govindan nagar main road, Govindan nagar 1 to 7 cross streets, Maruthi nagar 1st main road, Maruthi nagar 1st cross street, Maruthi nagar 2nd cross street, Maruthi nagar 3rd cross street, Maruthi nagar 4th cross street, Maruthi nagar 5th cross street, Senthil nagar main road, Senthil nagar main road 1 to 8 cross streets, Manikodi srinivasan nagar 3rd cross, Srinath nagar, Perungudi industrial Estate, Perungudi industrial Estate 2nd street, Perungudi industrial Estate 3rd street, Perungudi industrial Estate 4th street, Selvaganapthy avenue extn, Selvaganapthy avenue 3rd main road, Selvaganapthy avenue 2nd street, Selvaganapthy avenue 3rd streetsaravana nagar kudisai paguthi Saravana nagar 2nd street, Rajiv nagar 4th cross</p>

S.No	Ward no/ Area	Name of the street
4.	188 Palli karanai	West Anna Nagar 1 to 5 Streets, West Anna Nagar 6th Cross Street, West Anna Nagar 6 to 9 Streets, West Anna Nagar 9th Cross Street, West Anna Nagar 10th Street, West Anna Nagar 12th Steet, Rajesh Nagar Park Road, Rajesh Nagar Extn. 2nd Main Road, Rajesh Nagar Extn. 4th Main Road, Rajesh Nagar Extn. 5th Main Road, Rajesh Nagar 1 to 4 Main Road Cross Street, Rajesh Nagar 5th Main Road 2nd Cross Street, Rajesh Nagar 4th Cross street, Rajesh Nagar 6th Cross street, VGP Rajesh Nagar 1st Main Road, Narayanapuram Erikarai Salai, Nageswariamman Nagar, Sri Nagar 1 to 6 Streets, LIC Nagar 5th Street, LIC Nagar 6th Street
5.	191 Jalladian pettai	Pallavan Nagar 1 to 6 streets, Nethaji Street, Nagathamman koil street, Padmavathy Nagar Main road, pagavath singh street, Rajeshwari street, Pallavan street, Rajiv Ganthi street, Indira Ganthi street, Vivekanandar street
		kannaki street, kamar street, manimeglai street, kovalan street, Indira Ganthi street, Rajiv Ganthi street, vaidyalingam street, valmigi street, kumakurubarar street, pachayamma koil street, moopana street, logamma street, Mahaveerar street, mahaveerar 1st cross street, Mahaveerar 2nd cross street, Mahaveerar 3rd cross street, subash Chandra bose street, vanchinathan street, parivallal street, cholan street, Sai ganesh Nagar 2nd main Road, Sai ganesh Nagar 20 to 28 cross street, Quiathey millath street, masuti street, Green court Main Road, Jayachandran Nagar 3rd main road.

Ward Committee

It is to be noted that the responsibilities of each officer are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee - 168 (i/c)**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190768
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025968
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190818
GCC - Revenue	Tax Collector	9677297655
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930168
TANGEDCO	Junior Engineer	9445850131
BSNL	Assistant Engineer	9444493755
Fire service	Inspector	044 22435043
Police station	Inspector	9840323303
PWD	Assistant Engineer	9443335945
TNSCB	Assistant Engineer	9940012048

Ward committee - 169**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190769
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025968
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190819
GCC - Revenue	Tax Collector	9841128985
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930169
TANGEDCO	Junior Engineer	9445850131
BSNL	Assistant Engineer	9444493755
Fire service	Inspector	044 22435043
Police station	Inspector	9840323303
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9940012048
Highways	Divisional Engineer	9841702398

Ward committee – 183**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190783(i/c)
GCC - Electrical	Assistant Engineer	9445477691
GCC- Health	Sanitary Inspector	9445025983
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190833
GCC - Revenue	Tax Collector	9940593409
Revenue	Revenue Inspector	-9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930183
TANGEDCO	Junior Engineer	9445850149
BSNL	Assistant Engineer	9444505427
Fire service	Inspector	044 22435043
Police station	Inspector	044 2449 1196
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9443365995

Ward committee – 184**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190784
GCC - Electrical	Assistant Engineer	9445191474
GCC- Health	Sanitary Inspector	9445025986
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190834
GCC - Revenue	Tax Collector	9444185208
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930184
TANGEDCO	Junior Engineer	044-24961173
BSNL	Assistant Engineer	9444964677
Fire service	Inspector	044 22435043
Police station	Inspector	044 2844 7200
PWD	Assistant Engineer	7200027050

Ward committee – 185**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190785
GCC - Electrical	Assistant Engineer	9445477691
GCC- Health	Sanitary Inspector	9445025983
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190835
GCC - Revenue	Tax Collector	9940375445
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930185
TANGEDCO	Junior Engineer	9445850158
BSNL	Assistant Engineer	9444505427
Fire service	Inspector	044 22435043
Police station	Inspector	044 2844 7200
PWD	Assistant Engineer	7200027050

Ward committee – 186**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Exe Engineer (i/c)	9445190786
GCC - Electrical	Assistant Engineer	9445191474
GCC- Health	Sanitary Inspector	9445025986
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190836
GCC - Revenue	Tax Collector	944185208
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930186
TANGEDCO	Junior Engineer	044-24961173
BSNL	Assistant Engineer	9444964677
Fire service	Inspector	044 22435043
Police station	Inspector	044 2844 7200
PWD	Assistant Engineer	7200027050

Ward committee – 187**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190787
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025987
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190837
GCC - Revenue	Tax Collector	9444435050
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930168
TANGEDCO	Junior Engineer	9445850201
BSNL	Assistant Engineer	9444973131
Fire service	Inspector	044 22435043
Police station	Inspector	9840323303
PWD	Assistant Engineer	7200027050
TNSCB	Assistant Engineer	9940012048

Ward committee – 188**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190788
GCC - Electrical	Assistant Engineer	9445190152
GCC- Health	Sanitary Inspector	9445025988
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190838
GCC - Revenue	Tax Collector	9444435050
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930169
TANGEDCO	Junior Engineer	8883100181, 9445850241
BSNL	Assistant Engineer	9444973131
Fire service	Inspector	044 22435043
Police station	Inspector	9840323303, 9498143890
PWD	Assistant Engineer	7200027050

Ward committee – 189**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190789
GCC - Electrical	Assistant Engineer	9445191474
GCC- Health	Sanitary Inspector	9445025991
GCC - Veterinary	VAS	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190694
GCC - Revenue	Tax Collector	9444574063
Revenue	Revenue Inspector	9841095593
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930175
TANGEDCO	Junior Engineer	9445850241
BSNL	Assistant Engineer	9444974446
Fire service	Inspector	044 22435043
Police station	Inspector	044 23452775
PWD	Assistant Engineer	7200027050

Ward committee – 190**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Exe.Engineer (i/c)	9445190790
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025990
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190840
GCC - Revenue	Tax Collector	9444574063
Revenue	Revenue Inspector	9787180882
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930168
TANGEDCO	Junior Engineer	9445850241
BSNL	Assistant Engineer	9444974446
Fire service	Inspector	044 22435043
Police station	Inspector	044-23452775
PWD	Assistant Engineer	7200027050

Ward committee – 191**Ward Councillor -**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190791
GCC - Electrical	Assistant Engineer	9445477691
GCC- Health	Sanitary Inspector	9445025991
GCC - Veterinary	VAS	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190694
GCC - Revenue	Tax Collector	9600161242
Revenue	Revenue Inspector	9841095593
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930175
TANGEDCO	Junior Engineer	9445850241
BSNL	Assistant Engineer	9444974446
Fire service	Inspector	044 22435043
Police station	Inspector	044 23452775
PWD	Assistant Engineer	7200027050

ZONE - XV

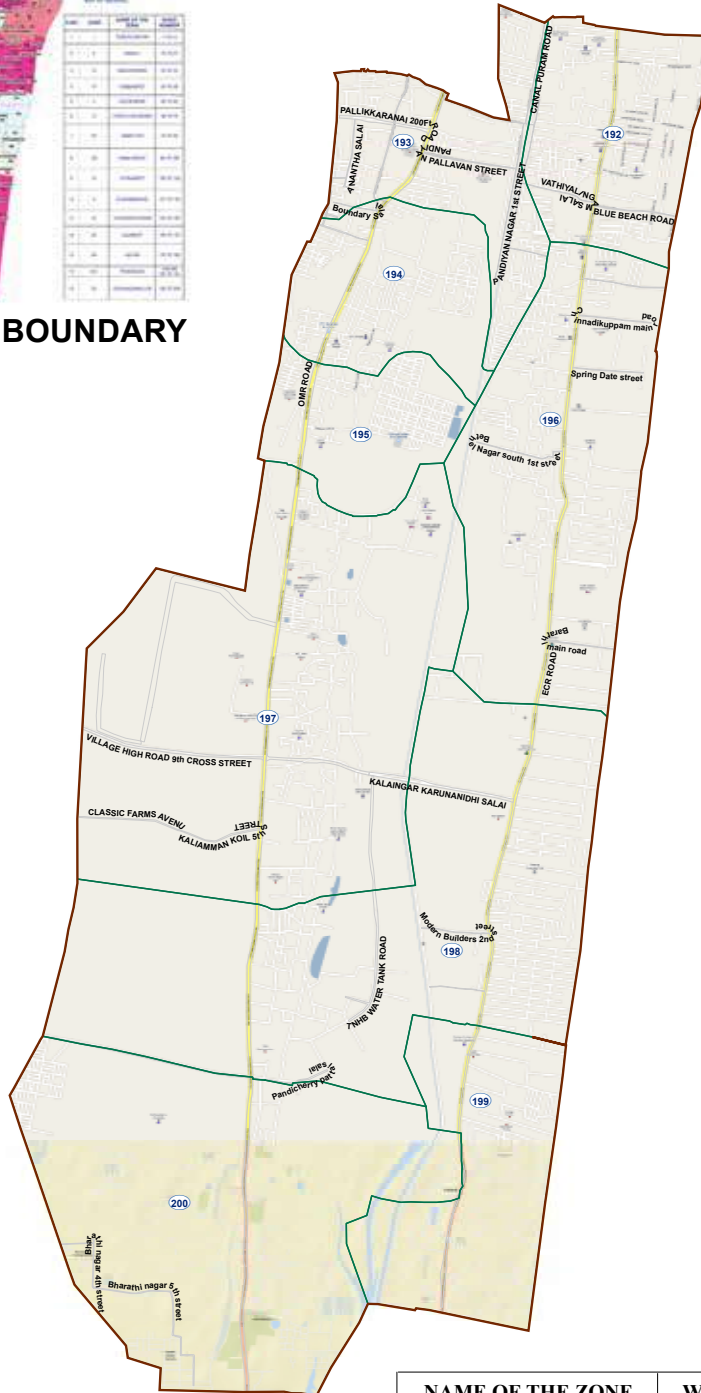
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ZONE XV - WARD BOUNDARY



GCC BOUNDARY



NAME OF THE ZONE	WARD NUMBER
Sozhanganallur	192 TO 200

Profile

The Sozhanganallur zone lies in Latitude 12.89612°, Longitude 80.22723° covering an area of **42.23 Sq.km**.

There are 2075 roads, out of which 2058 roads to a length of 376.82 Km are Interior Roads, 12 Roads to a length of 3.93 Km are Bus Route Roads which are maintained by GCC and the 2 roads are under the maintenance of Highways department and 3 roads are under the maintenance of TNRDC.

The total population is about 1.72 lakhs that has Male population of 50.82% and Female population of 49.18 % In this zone, the most densed area in the zone is Okkiyam Thoraipakkam with a population of 40.40 and the least is Uthandi with a population of 5,037. The Ward wise population is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	192	7673	28193
2	193	5319	19723
3	194	3485	12715
4	195	13044	40040
5	196	5233	20620
6	197	4112	15385
7	198	3296	12580
8	199	1313	5035
9	200	5627	17803
	Total	49102	172094

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	192 to 200	
2.	Zonal Officer	192 to 200	9445190015

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	Zone 15-U 44	9445190035
	Executive Engineer-2	U-45	9445191480
2	Assistant Executive Engineer	Unit 44	9445190144
3	Assistant Executive Engineer	Unit 45	9445190145
4	Assistant Divisional Engineer, Electrical	Zone 15	9445190055
5	Assistant Executive Engineer, Mechanical	Zone 15	9445190484/ 9445190490

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	Zone 15	9445191444

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone XV	9445190035
2	Veterinary Surgeon	Zone XV	9445190144
3	Junior Entomologist	Zone XV	9445190145
4	Sanitary Officer	Unit 44	9445190055
5	Sanitary Officer	Unit 45	9445190484/ 9445190490

Parks

There are 30 Parks available in Neelangarai, Okkiyam Thoraipakkam, Injambakkam, Sozhanganallur & Chemmenchery. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194730 Park Overseer	Power saw – 4 Manual saw - 6	Sozhanganallur

S.No	Ward	Name / Location of the Park
1	192	Workers Estate
2	193	Customs Colony Park, Sakthi Nagar main road park, Sai Nagar, RE Nagar Park, Ananth Nagar, Vinayaga Nagar Park
3	194	Secretariat colony 1st main road, Chandrasekar Avenue, Sakthi Srinivasan Road, PTC Quarters park
4	195	Annai Indira Gandhi road park, Kannagi Nagar 10th Cross Road (3 Aduku), Kannagi Nagar 7th Cross Street (2 Aduku), Kannagi Nagar 2nd Cross Street (3 Aduku), Kannagi Nagar 9th Main Road
5	196	VGP layout 2nd street, ECR park in Survey No.146
6	197	Kumarasamy Nagar main road west park, Rajiv Gandhi Salai park (Tecchi Park), Rajiv Gandhi Salai Park (Dollar Building), New Kumaran Nagar 2nd main road, Elcot Avenue 1st street, Nedunchayan Street Park, Devaraj Nagar 2nd main road Park, Kumarasamy Nagar 6th Street park, Model School road,
7	198	VGP South Zone Part IV , Tamil Nadu Housing Board E12 Block Tamil Nadu Housing Board E12 Block
8	199	VGP 2nd main road park

S.No	Ward	Name / Location of the Park
9	200	TNSCB Chemmenchery 2nd main road, TNSCB Chemmenchery 33rd Cross Street TNSCB Chemmenchery 1st Main Road

Sewage Pumping Stations

There are no pumping stations available in Sozhanganallur Zone

Tamil Nadu Slum Clearance Board tenements

There are 3 TNSCB tenements in Kannagi Nagar, Ezhil nagar & Tsunami nagar with a population of 1,24,000. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

SI.No.	Tenement location	No. of tenement	Population
1	Kannagi Nagar	15656	80000
2	Ezhil Nagar	6700	30000
3	Tsunami Nagar	6764	14000

Contact details

Department	Designation	Area	Contact No.
TNSCB	Executive Engineer	Zone 15	9444167521
Conservancy/GCC	Conservancy Supervisor	Zone 15	9445191444
Water Supply & Sewage / CMWSSB	Area Engineer	Area 15	8144930915

Water Bodies and Waterways

There are 2 Canals passing in this zone **(1) South Buckingham canal**, maintained by PWD which originates from Neelangarai travel about 12 Km within the zone and disposes via Uthandi and then melds at Muttukadu lake, **(2) Okkiyam Maduvu canal**, maintained by PWD which originates from Thoraipakkam travel about 1.2 Km in the zone and disposes through the rear side of kannagi joins Buckingham canal.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 12.21km to

ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Divisions Covered	From	To	Length of Canal (Km)
1	South B canal	192 to 200	Neelangarai	Uthandi	12 Km
2	Okkiyam Maduvu	195	Thuraipakkam	Thuraipakkam	1.2 Km

Other water bodies

S. No	Ward	Ward name	Location	Length/Area in M ²
1	198	Sozhanganallur	Gandhi Nagar Eri	1.47
2	192	Neelangarai	Vannan Kulam	0.46
3	192	Neelangarai	Thamarai Keni Kulam	2250.00
4	192	Neelangarai	Mangeni Kuttai	4050.00
5	193	Okkiyam Thuraipakkam	Ayakeni Kuttai	2720.00
6	193	Okkiyam Thuraipakkam	Panichavan kuttai	3900.00
7	193	Okkiyam Thuraipakkam	Puthu kulam	
8	193	Okkiyam Thuraipakkam	Periya Chathira Kulam	2689.42
9	194	Okkiyam Thuraipakkam	Pillaiyar koil Kulam (PTC Quarters)	3100.00
10	194	Okkiyam Thuraipakkam	Kumaran Kudi Kulam	7800.00
11	194	Okkiyam Thuraipakkam	Panjan Kuttai	4000.00
12	194	Okkiyam Thuraipakkam	Eswaran koil kulam	4000.00
13	195	Okkiyam Thuraipakkam	Nehru Nagar Vinayagar Kulam	4050.00
14	196	Injampakkam	Pullakeni kuttai,	3750.00
15	196	Injampakkam	Periya keni kulam	5618.00

S. No	Ward	Ward name	Location	Length/Area in M ²
16	196	Injampakkam	Pothikulam,	2800.00
17	196	Injampakkam	Vaikolkeni kulam	6212.67
18	197	Karapakkam	Gangai amman koil street (Karapakkam)	2972.84
19	197	Karapakkam	Sadagopan street	8651.20
20	197	Karapakkam	Gangai amman koil street extn	5665.67
21	197	Karapakkam	Rengasamy street	60095.82
22	197	Karapakkam	Vendrasiamman koil street	2115.00
23	197	Karapakkam	Gandhi street	10700.00
24	197	Sozhanganallur	New Kumaran nagar	1275.00
25	197	Sozhanganallur	School road 1st street	13000.00
26	197	Sozhanganallur	Anna street	12654.00
27	197	Sozhanganallur	School street	2500.00
28	197	Sozhanganallur	Ananth nagar	4500.00
29	197	Sozhanganallur	Gangaiamman koil (Sozhanganallur)	5000.00
30	198	Sozhanganallur	Uzhavanthangal Eri	2000.00
31	198	Sozhanganallur	Thennampoigai Uthukulam	4675.00
32	198	Sozhanganallur	Uthukulam	990.00
33	198	Sozhanganallur	Andaikeni Uthu Kulam	600.00
34	198	Sozhanganallur	Chittankeni kulam	4.03
35	198	Sozhanganallur	Rettaiken Thangal	38.80
36	198	Sozhanganallur	Avudaiyar kulam	1265.00
37	198	Sozhanganallur	Pudhucherry keni kulam	3050.00

S. No	Ward	Ward name	Location	Length/Area in M ²
38	198	Sozhanganallur	Thamaraikeni Eri	64900.00
39	198	Sozhanganallur	Vellaikeni Eri	595.00
40	198	Sozhanganallur	Vellaleri Eri	700.00
41	198	Sozhanganallur	Ponnamman koil kulam	12140.60
42	198	Sozhanganallur	Sathyavani muthu street kulam	1.44
43	199	Uthandi	Kodaimanya kulam	2.73
44	199	Uthandi	Nettukanya kulam	3150.00
45	199	Uthandi	Vetrankeni kulam	3100.00
46	199	Uthandi	Talaiyari kulam	3173.76
47	200	Chemmencherry	Val Vetti Eri	5500.00
48	200	Chemmencherry	Kuttai (Pandicherry pattai)	8069.78
49	200	Chemmencherry	Vengatasamy than-gal	3.95
50	200	Chemmencherry	Vengatasa Kuttai (Theedir nagar)	8450.00
51	200	Chemmencherry	Pidary kuttai	13200.00
52	200	Chemmencherry	Erattai kuttai than-gal	95250
53	200	Chemmencherry	Kulam (Rajivgandhi salai)	8450
54	200	Chemmencherry	Kulam (Pandicherry pattai)	15950
55	200	Chemmencherry	Kulam (Rajiv gan-dhi nagar)	4400
56	200	Chemmencherry	Kulam (Mattu pan-nai)	12450
57	200	Chemmencherry	ValVetti Eri (Ezhil-muga nagar)	950

ZONE XV - WATER BODIES

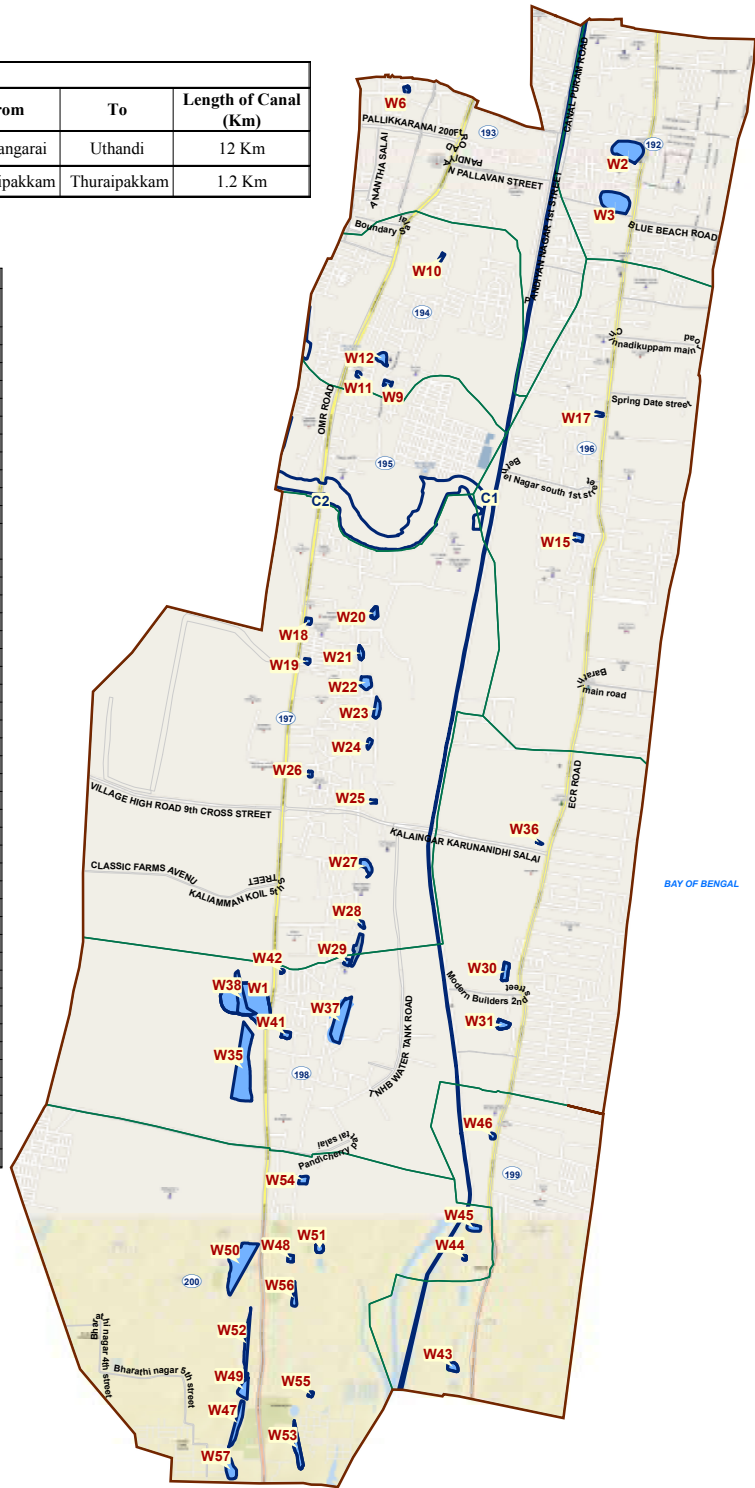


CANAL

Canals					
ID. No.	Ward	Name of the Canal	From	To	Length of Canal (Km)
C1	192 to 200	South B canal	Neelangarai	Uthandi	12 Km
C2	195	Okkiyam Maduvu	Thuraiyakkam	Thuraiyakkam	1.2 Km

OTHER WATER BODIES

Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Length/Area in M ²
W1	198	Gandhi Nagar Eri	60 Acres
W2	192	Vannan Kulam	5950
W3	192	Thamarai Keni Kulam	4050
W4	192	Mangeni Kuttai	2250
W6	193	Panichavan kuttai	3900
W9	194	Pillaiyar koil Kulam (PTC Quarters)	7000
W10	194	Kumaran Kudi Kulam	3800
W11	194	Panjan Kuttai	3100
W12	194	Eswaran koil kulam	10350
W15	196	Periya keni kulam	2500
W17	196	Vaikolkeni kulam	5000
		Gangai amman koil street	
W18	197	(Karapakkam)	2500
W19	197	Sadagopan street	3250
W20	197	Gangai amman koil street extn	5000
W21	197	Rengasamy street	4400
W22	197	Vendrasiamman koil street	8000
W23	197	Gandhi street	10000
W24	197	New Kumaran nagar	10000
W25	197	School road 1st street	3000
W26	197	Anna street	4500
W27	197	School street	13000
W28	197	Ananth nagar	2500
W29	197	Gangaianman koil (sholinganallur)	2500
W30	198	Uzhavanthangal Eri	64900
W31	198	Thennampoigai Uthukulam	16250
W35	198	Rettaikeni Thangal	84000
W36	198	Avudaiyar kulam	4600
W37	198	Pudhucherry keni kulam	42400
W38	198	Thamarai keni Eri	6100
W41	198	Ponniamman koil kulam	600
W42	198	Sathyavani muthu street kulam	700
W43	199	Kodaimanya kulam	3150
W44	199	Nettukanya kulam	5820
W45	199	Vetrankeni kulam	9000
W46	199	Talaiyari kulam	3100
W47	200	Val Vetti Eri	22860
W48	200	Kuttai (Pandicherry pattai)	4700
W49	200	Vengatasamy thangal	13200
W50	200	Vengatasa Kuttai (Theedir nagar)	5500
W51	200	Pidary kuttai	11050
W52	200	Erattai kuttai thangal	95250
W53	200	Kulam (Rajivgandhi salai)	8450
W54	200	Kulam (Pandicherry pattai)	15950
W55	200	Kulam (Rajiv gandhi nagar)	4400
W56	200	Kulam (Mattu pannai)	12450
W57	200	Val Vetti Eri (Ezhilmuga nagar)	950



Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone.

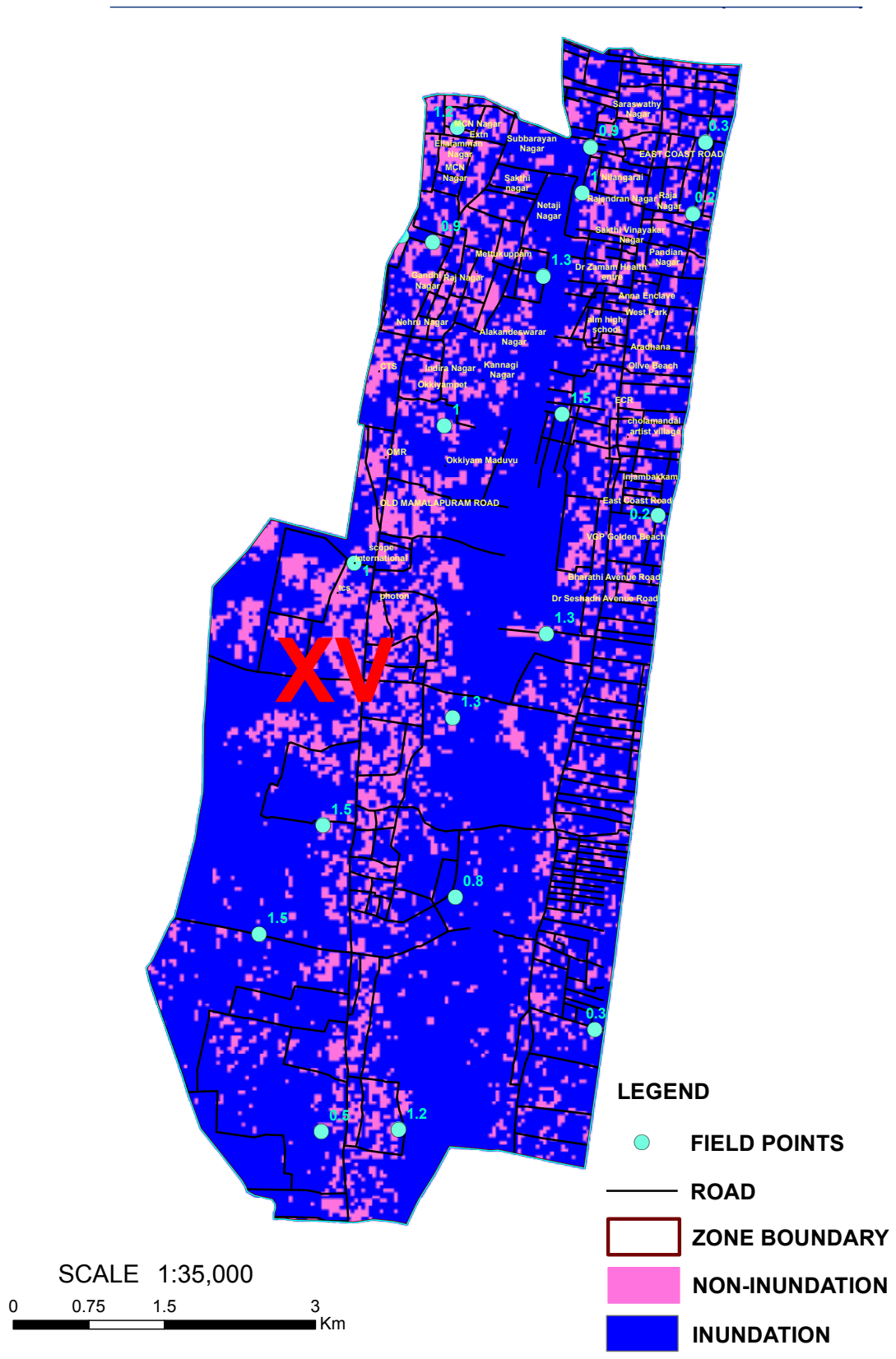
35 storm water drains to a length of 12.21 Km were constructed to ease the flow of rain water in Sozhanganallur zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs KM
1	192	6	1.65
2	194	10	3.016
3	195	15	4.85
4	196	1	0.75
5	197	2	1.12
6	200	1	0.825
		35	12.211

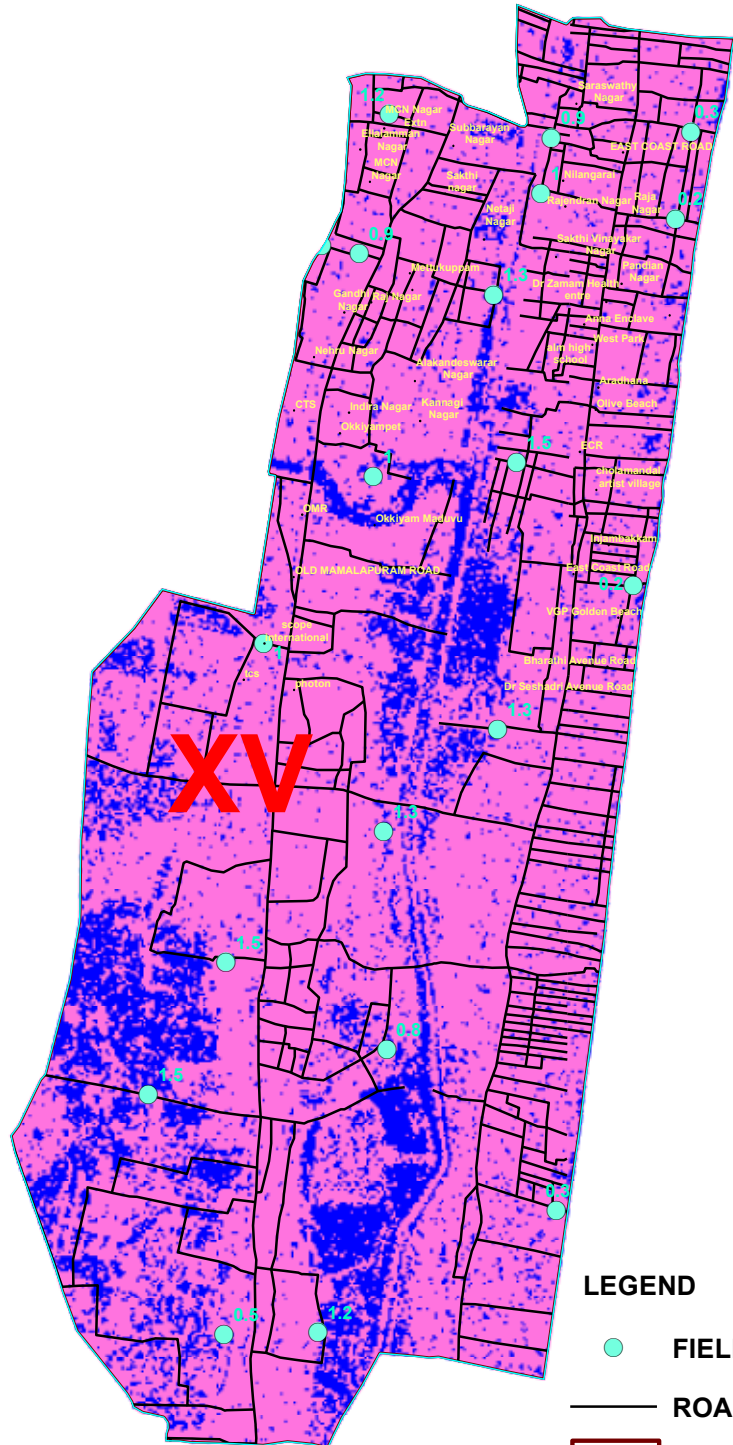
Streets - water stagnated in the previous monsoon - heavy rain

During the last monsoon, 12 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

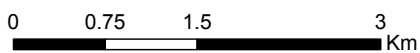
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

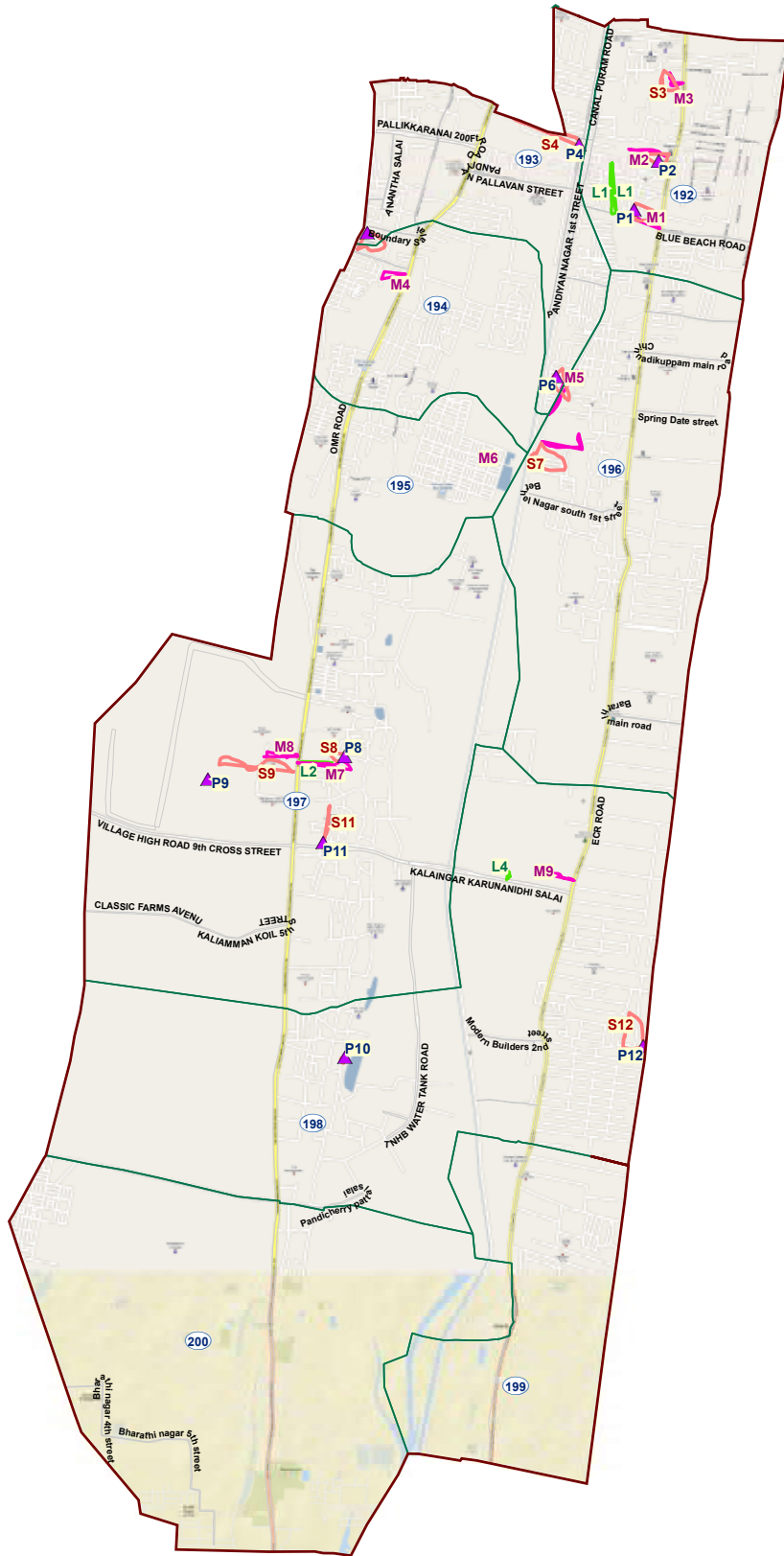


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ZONE XV

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



- Streets where water stagnated in the previous monsoon - Heavy
- Streets where water stagnated in the previous monsoon - Light
- Streets where water stagnated in the previous monsoon - Moderate
- Location of Diesel Pump Location

The identifies water stagnations and the actions taken to dispose the rain water in each location are as below,

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	192	ECR Near Bhukari	5 HP	Near Bhukari	open land
2	192	Ellaiamman koil street	5 HP	Jn. of Rubi complex	Near SWD
3	192	Rubi complex	-	-	Ellaiamman koil
4	193	Pandian Nagar	5 HP	1st street	Canal
5	194	OMR Near VPG Avenue	5 HP (2 No)	OMR	Near SWD
6	196	Kudupi complex	5 HP	Kudupi complex	Side drain
7	196	S.N.Gopinath nagar	-	Kutchra drain	Katchra drain to be formed
8	197	Lalbhagadur Sasthiri Street	5 HP	Jn. of OMR	OMR SWD
9	197	Wipro Salai	40HP (2 No)	Inside Wipro	Canal
10	197	OMR Near Gangaianman koil	5 HP (2 No)	Gangaianman koil	OMR drain
11	197	Devaraji Avenue	5 HP	MTL company	nearby drain
12	198	ECR Near Panaiyur	5 HP	ECR	Canal

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

Streets - water stagnated in the previous monsoon - mild rain

S.No.	ward	Name of the Street
1	192	ECR Near Bhukari
2	197	Lalbhadgur Sasthiri Street
3	197	Wipro Salai
4	198	ECR Near Panaiyur

Streets - water stagnated in the previous monsoon - Moderate rain

S.No.	ward	Name of the Street
1	192	ECR Near Bhukari
2	192	Ellaiamman koil street
3	192	Rubi complex
4	194	OMR Near VPG Avenue
5	196	Kudupi complex
6	196	S.N.Gopinath nagar
7	197	Lalbhadgur Sasthiri Street
8	197	Wipro Salai
9	198	ECR Near Panaiyur

Stagnation of water in streets due to sewer blocks

There is no sewer Blocks in Sozhanganallur Zone.

Relief Centres

There are 10 relief centres to a total capacity of 8850 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Div.No.	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No
1	196	250	PDN Kalyana mandapam, Neelankarai	Aringar Anna street	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025996
								Evacuation	AE	9445190796
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190796
2	192	1000	Panchayat middle school, Neelangarai	Chinna Neelangarai, Periya Neelangarai	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025992
								Evacuation	AE	9445190792
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190792
3	193	2000	Govt. Hr School, Thoraipakkam	Pandian nagar, Aringar Anna nagar, VPG Avenue	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025993
								Evacuation	AE	9445190792
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190792
4	196	2000	St. Joseph School - Vettuvankeni	Karpagavinayagar nagar, Mahathma Gandhi nagar, Ganesh nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025996
								Evacuation	AE	9445190796
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190796
5	196	500	Tsunami Centre, Injampakkam	Chinnandi Kuppam, Bethel Nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025996
								Evacuation	AE	9445190796
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190796

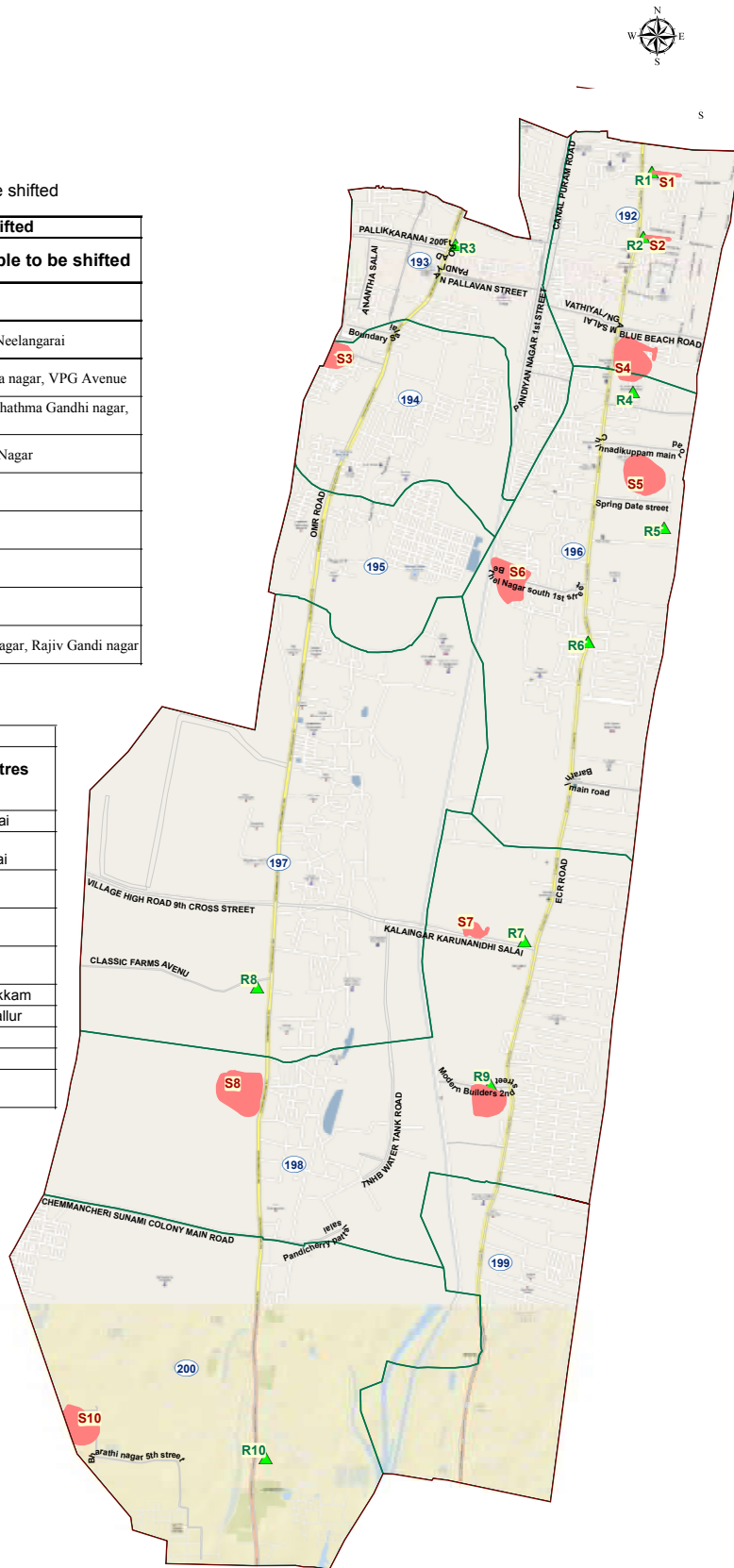
ZONE XV EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

Stree/Area - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	192	Aringar Anna street
S2	192	Chinna Neelangarai, Periya Neelangarai
S3	193	Pandian nagar, Aringar Anna nagar, VPG Avenue
S4	196	Karpagavinayagar nagar, Mahathma Gandhi nagar, Ganesh nagar
S5	196	Chinnandi Kuppam, Bethel Nagar
S6	196	Bethel Nagar
S7	198	MGR Nagar
S8	197	Gandhi nagar
S9	200	Kudumiyandithoppu
S10	200	Jawahar nagar, Ezhilmuga nagar, Rajiv Gandhi nagar

▲ RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Adres of relief centres available
R1	192	PDN Kalyana mandapam, Neelankarai
R2	192	Panchayat middle school, Neelangarai
R3	193	Govt. Hr School, Thoraipakkam
R4	196	St. Joseph School - Vettuvankeni
R5	196	Tsunami Centre, Injampakkam
R6	196	Church Kalyanamandapam, Injampakkam
R7	198	GPJ Mandapam, Akkarai, Sholinganallur
R8	197	Govt. Hr School, Sholinganallur
R9	200	Tsunami Centre, Kudumiyandithoppu
R10	200	Panchayat Union Primary School - Chemmenchery



Sl. No.	Div.No.	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No
6	196	1000	Church Kalyana mandapam, Injampakkam	Bethel Nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025997
								Evacuation	AE	9445190792
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190792
7	198	250	GPJ Mandapam, Akkarai, Sozhanganallur	MGR Nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025998
								Evacuation	AE	9445190798
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190798
8	197	1150	Govt. Hr School, Sozhanganallur	Gandhi nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025997
								Evacuation	AE	9445190800
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190800
9	200	250	Tsunami Centre, Kudumiyan dithoppu	Kudumiyan dithoppu	Yes	Yes	Yes	Sanitation, Medicine	SI	7871399131
								Evacuation	AE	9445190800
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190800
10	200	450	Panchayat Union Primary School - Chemmen chery	Jawahar nagar, Ezhilmuga nagar, Rajiv Gandhi nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	7871399131
								Evacuation	AE	9445190800
								Food & Drinking water	ARO	9445190095
								Relief Materials	AE	9445190800

Subway

There is no subway as of now available in this zone. In future if subways are constructed the precautionary measures should be taken before rain and during the rain

Tree fall

During the last monsoon, in Sozhanganallur zone totally 3 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

SI.No.	Ward/Name	Name of the Streets
1	195 Okkiyam Thuraipakkam	Kannagi Nagar 9th main road
2	195 Okkiyam Thuraipakkam	Kannagi Nagar 10th cross street
3	196 Injampakkam	ECR

Streets - where water entered houses - do not require evacuation

During the last monsoon, 3 inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 3 locations were inundated for more than a day by which the normal day to day activity of 310 people were stand-stilled. Flood water from these areas were cleared by using 2 number of 5 HP pumps. The identified vulnerable spots are as below,

SI.No.	Ward/Name	Streets where water enters house - not require evacuation
1	192, Neelangarai	Sivan koil street
2	196, Injampakkam	Bethel nagar
3	198, Sozhanganallur	MGR Nagar KK Salai

Streets that require evacuation

During the heavy flood occurred last year during 2015, in Sozhanganallur zone there were 8850 people were evacuated from Neelangarai, Okkiyam Thoraipakkam, Injambakkam, Sozhanganallur & Chemmenchery and they were accomodated in below mentioned relief centres. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations evacuation are given below.

Sl. No.	Ward/Name	Streets	No. of persons	Years	Relief centre
1	192 Neelangarai	Aringar Anna street	250	2015	PDN Kalyana mandapam, Neelankarai
2	192 Neelangarai	Chinna Neelanga Neelanga			Panchayat middle
3	192 Neelangarai	Pandian Aringar A nagar, VF			
4	193 Okkiyam Thuraipakkam	Karpagav nagar, Ma Gandhi n Ganesh nagar			
5	196, Injampakkam	Chinnandi Kuppam, Bethel Nagar	500	2015	Tsunami Centre, Injampakkam
6	196, Injampakkam	Bethel Nagar	1000	2015	Church Kalyanamandapam, Injampakkam
7	198 Sozhanganallur	MGR Nagar	250	2015	GPJ Mandapam, Akkarai, Sozhanganallur
8	198 Sozhanganallur	Gandhi nagar	1150	2015	Govt. Hr School, Sozhanganallur
9	198 Sozhanganallur	Kudumiyandithoppu	250	2015	Tsunami Centre, Kudumiyandithoppu
10	200 Chemmenchery	Jawahar nagar, Ezhilmuga nagar, Rajiv Gandhi nagar	450	2015	Panchayat Union Primary School - Chemmenchery



Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There is one battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	197	Assistant Engineer	9445191481

ZONE XV

EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

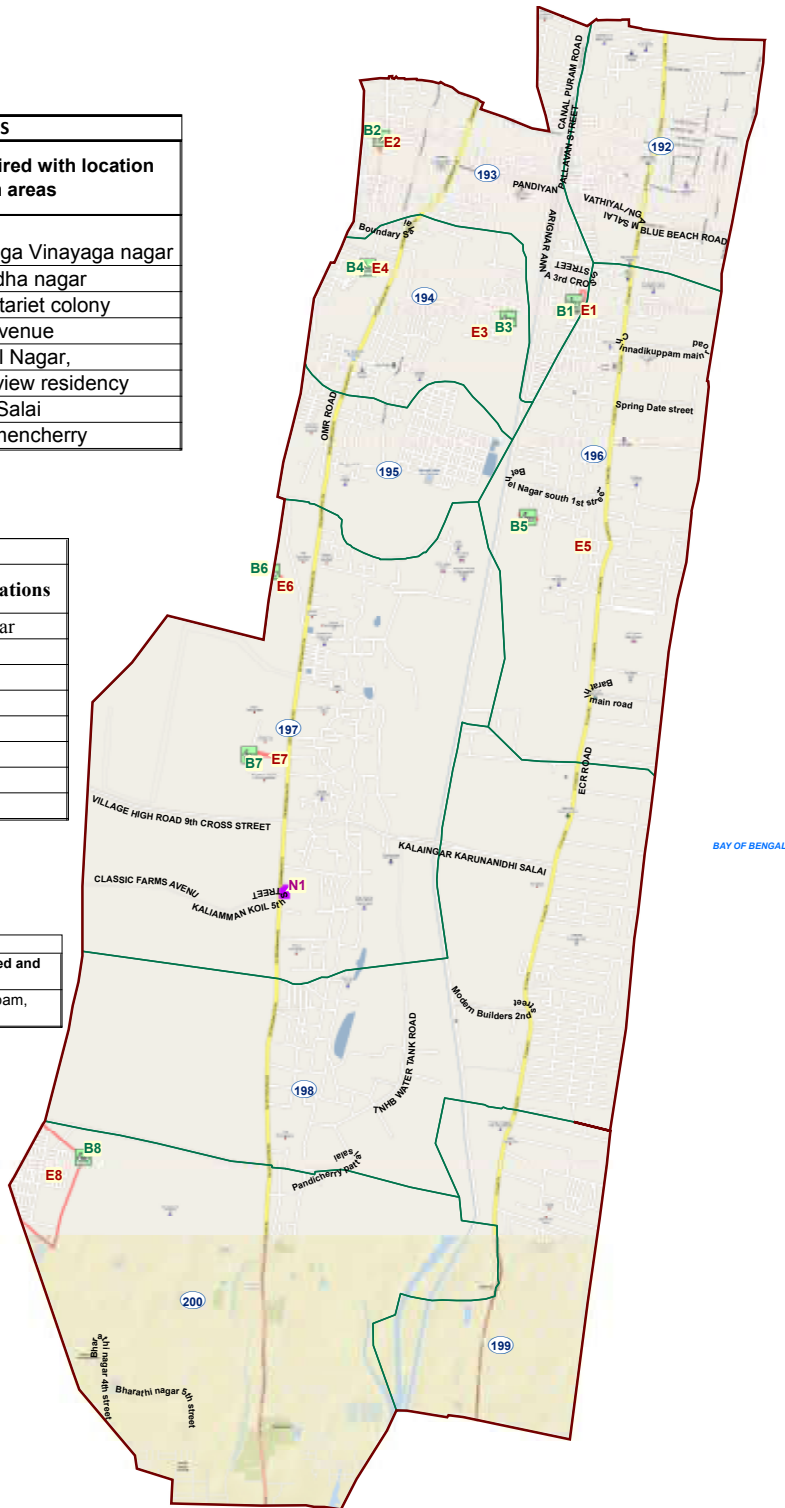
EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	193	2 Nos. of boats at Karpaga Vinayaga nagar
E2	193	2 Nos. of boats of Anandha nagar
E3	194	2 Nos. of boats at Secretariat colony
E4	194	1 No. of boats at VPG Avenue
E5	196	2 Nos. of boats at Bethel Nagar,
E6	197	1 No. of boats at Reiverview residency
E7	197	1 No. of boats at Wipro Salai
E8	200	1 No. of boats at Chemmencherry

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	193	Karpaga Vinayaga nagar
B2	193	Anandha nagar
B3	194	Secretariat colony
B4	194	VPG Avenue
B5	196	Bethel Nagar
B6	197	Reiverview residency
B7	197	Wipro Salai
B8	200	Chemmencherry

🏠 NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	197	Ganesa naickar Mandabam, Sozhanganallur



National Disaster Response Force (NDRF)

In Sozhanganallur zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

S.No	Div. No.	Where NDRF to be stationed and deployed
1	197	Ganesa naickar Mandabam, Sozhanganallur

The Commandant
04, Battalion (NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations and the precautionary measures which needs to be taken before and during the rain are given below.

Sl. No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Location	Contact Number
1	193	2 Nos. of boats at Karpaga Vinayaga nagar	Karpaga Vinayaga nagar	9445190792
2	193	2 Nos. of boats of Anandha nagar	Anandha nagar	9445190793
3	194	2 Nos. of boats at Secretariat colony	Secretariat colony	9445190794
4	194	1 No. of boats at VPG Avenue	VPG Avenue	9445190794
5	196	2 Nos. of boats at Bethel Nagar,	Bethel Nagar	9445190796
6	197	1 No. of boats at Reiverview residency	Reiverview residency	9445190797
7	197	1 No. of boats at Wipro Salai	Wipro Salai	9445190797

Sl. No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Location	Contact Number
8	200	1 No. of boats at Chemmencherry	Chemmencherry	9445190800

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 6 debris lorries, 2 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available rain are given below

No. of lorries and type kept in readiness	
Debris lorry	- 6
Skid steer loaders (Bob cat)	- 2
(Front end loader) JCB	- 2

Depot A.E Contact No.	Availability of Lorries				
	JCB	Bobcat	Open lorry	Water tanker Lorry	Hydraulic Ladder
9445026115	2	3	6	3	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

The following are the streets which cannot be accesses by vehicles as the road width of these roads are lesser than 2.5 metres. The details are given below,

Sl.No	Ward	Street Names
1	193	Pandian nagar, Aringar Anna Nagar, Ganesh Nagar, Karpagavinayagar nagar
2	195	Nehru Nagar
3	198	Gandhi Nagar

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 122 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows

Ward committee – 192

Ward councillor :

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190792
GCC - Electrical	Assistant Engineer	9445477675
GCC- Health	Sanitary Inspector	9445025993
GCC - Veterinary	VAS	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190842
GCC - Revenue	Tax Collector	9841128985
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930192
TANGEDCO	Junior Engineer	9445850159
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee – 193

Ward councillor –

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190793/792
GCC - Electrical	Assistant Engineer	9445477674
GCC- Health	Sanitary Inspector	9445025993
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190843
GCC - Revenue	Tax Collector	8610709598
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930193
TANGEDCO	Junior Engineer	9445850175
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498128733
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –194**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190794
GCC - Electrical	Assistant Engineer	9445477674
GCC- Health	Sanitary Inspector	9445025994
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190844
GCC - Revenue	Tax Collector	9962666842
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930195
TANGEDCO	Junior Engineer	9445850175
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –195**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190795
GCC - Electrical	Assistant Engineer	9445477674
GCC- Health	Sanitary Inspector	9445025995
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190845
GCC - Revenue	Tax Collector	9080588767
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930192
TANGEDCO	Junior Engineer	9445850172
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –196**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190796
GCC - Electrical	Assistant Engineer	9445477675
GCC- Health	Sanitary Inspector	9445025996
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190846
GCC - Revenue	Tax Collector	9790789226
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930196
TANGEDCO	Junior Engineer	9445850157
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –197**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190797
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9445025997
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445071057
GCC - Revenue	Tax Collector	8807225527
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930197
TANGEDCO	Junior Engineer	9445850173
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –198**Ward councillor –**

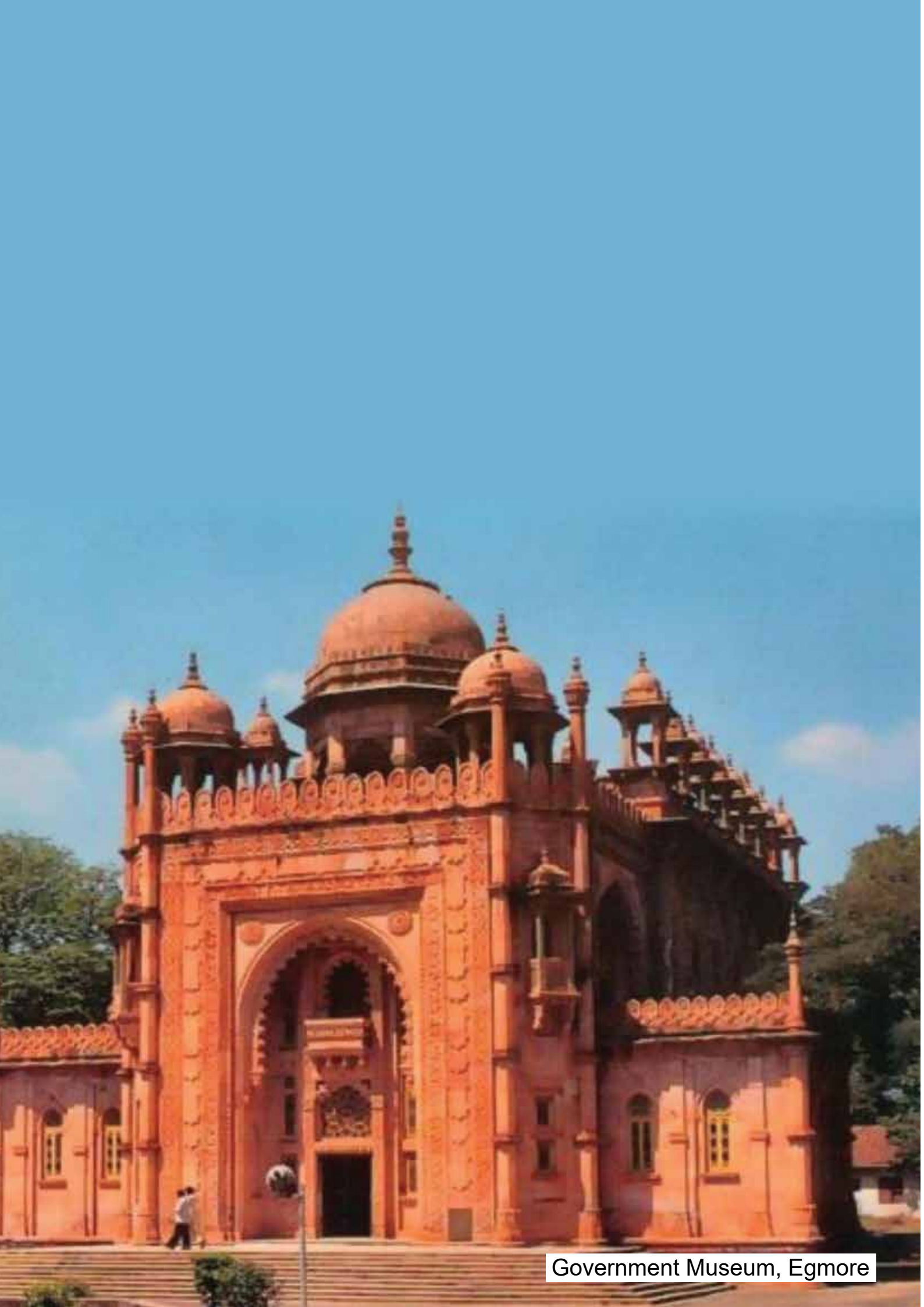
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190798
GCC - Electrical	Assistant Engineer	9445477675
GCC- Health	Sanitary Inspector	9445025998
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445071048
GCC - Revenue	Tax Collector	9176675553
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930198
TANGEDCO	Junior Engineer	9566222638
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –199**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190799
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9445025999
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190859
GCC - Revenue	Tax Collector	9790789226
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930199
TANGEDCO	Junior Engineer	9445850150
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697

Ward committee –200**Ward councillor –**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190800/799
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9445025795
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445071060
GCC - Revenue	Tax Collector	9790789226
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930200
TANGEDCO	Junior Engineer	9445850282
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNSCB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697



Government Museum, Egmore



The Commissioner

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