				F POINT						80°11'10"E	E412000						
SI No.	MANHOLE ID A1 (OL)	DRAIN Closed(C) /Open(O) C	Drain Top(m) 9.237	MSL LEVEI Invert (m) 7.937	L Road Edge (m) 9.095		MENSIONS Depth (m) 1.020	SI No.	MANHOLE ID J18	DRAIN Closed(C) /Open(O)	Drain Top(m) 10.967	MSL LEVE Invert (m) 9.955	L Road Edge (m) 10.400		IMENSIONS Depth (m) 0.797	13'04'50"N	E41
2 3	A2 A3	C C	9.658 9.266	8.613 7.866	9.426 9.093	0.650 1.000	0.645 1.120	157 158	J19 J20	C C	11.004 10.853	9.553 9.638	10.474 10.621	0.925 0.875	1.269 1.010		
4 5 6	A4 A5 A6	C C C	9.429 9.653 9.951	8.039 8.663 8.501	9.273 9.301 9.789	0.900 0.912 0.600	1.095 0.840 1.300	159 160 161	J21 J22 J23	C C C	10.669 10.739 10.656	9.564 9.434 9.325	10.368 10.410 10.488	2.115 2.201 2.101	0.890 1.053 1.080	N1446000	
7 8 9	A7 A8 A9	C C C	10.196 10.192 10.051	8.791 9.462 9.321	10.115 9.959 9.795	0.600 0.780 0.700	0.953 0.510 0.550	162 163 164	J24 J25 J26	C C C	10.247 10.326 10.309	9.426	10.360 10.328 10.320	0.915	0.564	-	
10 11 12	A10 A11 A12	C C C	9.920 10.037 9.972	8.725 9.459 -	9.892 10.103 9.988	0.605 0.650 -	1.045 0.448 -	165 166 167	J27 J28 J29	C C C	10.341 10.625 10.631	9.440 9.513 9.517	10.376 10.473 10.459	1.112 1.403 0.915	0.689 0.911 0.913	0,4 N	
13 14 15	A13 A14 A15	C C C	10.290 10.454 10.775	9.440 9.219 9.473	10.341 10.363 10.734	0.605 1.105 0.650	0.700 0.685 1.080	168 169 170	J30 J31 J32	C C C	11.061 11.111 11.216	10.690 10.500 10.715	11.016 11.099 11.073	0.981 0.995 0.981	0.168 0.410 0.334	13'04'4	
16 17 18	A16 A16 A17	C C C	10.382 10.431 10.799	9.447 9.831 9.466	10.223 10.366 10.674	0.650 0.650 0.985	0.700 0.370 1.001	171 172 173	J33 J34 J35	C C C	10.637 10.628 10.849	9.656 10.476 9.748	10.682 10.721 10.709	0.980 0.980 0.990	0.830 0.042 0.898		
19 20 21	A18 A19 A20	C C C	10.906 10.804 10.762		10.887 10.803 10.741			174 175 176	J36 J37 J38	C C C	10.835 11.297 11.205	- 10.396 -	10.815 11.292 11.199	- 0.981 -	- 0.698 -	-	
<b>22</b> 23 24	B1 (OL) B2 B3	с С С	9.259 9.029 9.377	8.309 8.214 8.378	9.218 9.063 9.209	0.800 0.700 0.650	0.730 0.615 0.779	177 178 179	J39 J40 J41	C C C	11.418 11.255 10.913		11.422 11.375 10.902	_ _ _		-	
25 26 27	B4 C1 C2	C C C	9.384 9.087 9.331	8.464 7.972 8.146	9.216 8.842 9.134	0.635 1.030 1.050	0.785 0.465 0.535	180 181 182	J42 J43 J44	C C C	11.351 11.389 11.183	- - 10.382	11.223 11.288 11.064	_ 	 0.199	30"N	
28 29 <b>30</b>	C3 C4 C5 (OL)	с с с	10.004 10.585 9.267	9.099 - <b>8.127</b>	9.671 10.422 9.186	1.020 - <b>0.800</b>	0.105 - 0.290	183 184 185	J45 J46 J47	C C C	10.938 10.740 10.734	- - 9.733	10.921 10.745 10.716	- 0.712	0.880	13.04	
31 32 33	C6 C7 C8	C C C	9.754 9.926 10.330	8.669 9.226 9.357	9.675 9.913 10.253	0.985 - 0.655	0.830	186 187 188	J48 J49 J50	C C C	10.888 10.988 11.236	10.287 - -	10.918 11.063 11.083	0.681	0.501	N1445500	
34 35 36	C9 C10 C11	C C C	10.417 10.171 10.229	8.767 9.371 8.956	10.326 10.118 10.160	1.800 0.600 1.800	1.445 0.610 0.521	189 190 191	J51 J52 J53	C C C	10.784 10.305 10.304		10.685 10.225 10.123			-	
37 38 39	D1 D2 D3	С С С	9.792 10.080 10.184	8.780 9.030 9.244	9.735 9.984 10.069	0.650 0.650 0.350	0.702 0.740 0.290	192 193 194	J54 J55 J56	C C C	10.426 9.974 10.131	9.125 9.173 -	10.389 9.946 10.067	0.781 0.701 -	1.100 0.648 -	-	- 14   14   <del>- 1 + 1 + 1</del> = 1
40 41 42	D4 D5 D6	C C C	10.207 10.261 10.215	- 9.296 9.333	10.230 10.212 10.106	- 0.950 0.650	- 0.765 0.667	195 196 197	J57 J58 J59	C C C	10.150 10.322 10.556	9.249 9.371 -	10.101 10.085 10.452	0.700 0.710 -	0.749 0.796 -	20"N	
43 <b>44</b> 45	D7 <b>E1 (OL)</b> E2	С С С	10.239 <b>9.589</b> 9.652	9.559 - -	10.153 9.508 9.574	0.650 - -	0.475 - -	198 199 200	J60 J61 J62	C C C	10.628 11.185 10.894	- 9.884 9.793	10.619 11.027 10.849	- 0.603 1.125	- 0.900 0.800	13.04'2	
<b>46</b> 47 48	F1 (OL) F2 F3	C C C	<b>9.515</b> 9.866 10.106	<b>8.314</b> 8.761 8.655	<b>9.344</b> 9.790 9.915	0.901 0.915 1.121	<b>1.020</b> 0.940 1.265	201 202 203	K1 K2 K3	C C C	9.606 9.782 9.997	8.356 8.881 8.896	9.292 9.485 9.693	1.210 1.210 1.210	0.849 0.531 0.731	-	
49 50 51	F4 F5 F6	C C C	10.024 10.010 10.397	8.372 8.235 8.596	9.822 9.943 10.284	1.421 2.102 1.251	1.447 1.570 1.600	204 205 206	K4 K5 K6	C C C	10.175 9.875 9.460	9.274 8.774 8.559	9.873 9.866 9.638	1.210 1.068 1.110	0.500 0.820 0.500	-	
52 53 <b>54</b>	F7 F8 G1 (OL)	С С С	10.352 10.432 <b>9.322</b>	8.594 8.726 <b>8.663</b>	10.181 10.227 <b>9.186</b>	0.956 1.121 <b>1.105</b>	1.550 1.490 <b>0.103</b>	207 208 209	К7 К8 К9	C C C	9.648 9.315 9.090		9.548 9.295 9.111			-	
55 56 57	G2 G3 G4	C C C	9.293 9.630 9.630	8.337 8.729 7.869	9.203 9.367 9.366	0.912 0.951 1.102	0.535 0.576 1.551	210 211 212	K10 K11 K12	C C C	9.225 9.157 9.240	- 8.456 8.090	9.207 9.287 9.286	- 0.601 1.001	- 0.431 0.949	N1445000	
58 59 60	G5 G6 G7	C C C	9.448 9.202 9.481	8.527 8.226 8.486	9.470 9.183 9.360	0.921 0.961 0.961	0.409 0.720 0.668	213 214 215	K13 K14 K15	C C C	9.245 9.401 9.557	8.145 - 8.556	9.200 9.463 9.420	1.001 - 0.690	0.905 - 0.400	3.04'10"N	
61 62 63	G8 G9 G10	C C C	9.602 9.505 9.553	8.787 7.849 8.572	9.444 9.389 9.367	0.960 1.210 1.100	0.600 1.205 0.676	216 217 218	K16 K17 K18	C C C	9.056 9.099 9.202	- 8.098 8.151	9.052 9.049 9.059	- 0.601 0.601	- 0.800 0.750	- 13.	
64 65 66	G11 G12 G13	C C C	9.266 9.398 9.435	8.141 8.497	9.094 9.313 9.241	0.981 0.965 0.981	0.910 0.720 0.980	210 219 220 221	K19 K20 K21	C C C	9.188 9.740 9.513	8.357 8.390	9.190 9.643 9.469	0.621 1.000	0.679 1.019	-	
67 68	G14 G15	C C	9.478 10.253	8.250 8.222 9.132	9.568 10.099	0.826 0.921	1.041 0.936	222 223	K22 K23	C C	9.621 9.447	8.562 - 8.046	9.606 9.400	0.681	0.700	-	
69 70 71	G15A G16 G17	C C C	9.434 10.424 10.766	- 9.322 9.661	9.451 10.239 10.576	- 0.885 0.875	- 0.907 0.920	224 225 226	K24 K25 K26	C C C	9.557 9.370 9.432	8.656 8.469 8.531	9.525 9.255 9.275	0.701 0.701 0.701	0.745 0.745 0.745		
72 73 74	G18 G19 G20	C C C	10.935 10.503 10.456	9.920 9.518 9.351	10.708 10.509 10.173	0.851 0.921 0.952	0.814 0.784 0.895	227 228 229	K27 K28 K29	C C C	9.488 9.453 9.382	- - 8.281	9.443 9.343 9.251	- - 0.712	- 0.800	3.04'0"N	
75 76 77	G21 G22 G23	C C C	10.411 10.324 10.378	9.455 9.219 9.226	10.197 10.306 10.218	0.756 0.765 0.951	0.800 0.955 0.971	230 231 232	K30 K31 K32	C C C	9.261 9.125 9.051	- 8.423 -	9.169 9.068 9.047	- 0.712 -	0.398	-	
78 79 80	G24 G25 G26	C C C	10.424 10.406 10.392	9.472 9.454 9.436	10.244 10.287 10.281	0.751 0.726 0.725	0.798 0.800 0.804	233 234 235	K33 K34 L1	C C C	9.084 9.499 9.797	8.183 8.848 -	9.057 9.363 9.919	0.801 0.712 -	0.700		
81 82 83	G27 G28 G29	C C C	10.327 10.281 10.429	9.352 9.158 9.213	10.327 10.297 10.378	0.782 0.821 0.921	0.792 0.956 1.001	236 237 238	L2 L3 L4	C C C	9.734 9.661 9.755		9.726 9.720 9.668	_ _ _		N1444500	
84 85 86	G30 G30A G31	C C C	10.402 10.470 10.399	9.446 9.458 9.148	10.275 10.388 10.087	0.821 0.912 0.951	0.798 0.776 1.036	239 240 241	L5 L6 L7	C C C	9.845 9.804 10.137	- 8.953 9.906	9.568 9.744 9.827	- 0.701 0.681	- 0.700 0.081	_	
87 88 89	G32 G33 G34	C C C	10.313 10.305 10.481	9.192 9.029 9.225	10.192 10.374 10.302	0.952 0.865 0.925	0.905 1.111 1.070	242 243 244	L8 L9 L10	C C C	10.348 9.639 9.762	- - 8.661	10.232 9.626 9.714	- - 0.801	 0.760	3.03'50"N	
90 91 92	G35 G36 G37	C C C	10.374 10.474 10.517	9.053 8.832 8.765	10.096 10.366 10.285	1.105 1.301 1.102	1.138 1.462 1.567	245 246 247	L11 L12 L13	C C C	9.642 9.758 9.875	8.786 9.037 8.774	9.590 9.521 9.866	0.700 0.683 1.068	0.705 0.569 0.820		
93 94 95	G38 G39 G40	C C C	10.892 10.972 -	9.636 9.771 -	10.477 10.599 -	1.125 1.080 -	1.005 0.945 -			in Outlet							
96 97 98	G41 G42 G43	С С С	10.929 11.185 10.572	9.573 9.733 9.067	10.599 11.045 10.443	0.915 0.925 1.341	1.104 1.272 1.290	,,		in With Re							
99 100 101	G44 G45 G46	C C C	10.805 - 10.949	9.649 - 9.497	10.436 - 10.787	1.104 - 0.852	0.941 - 1.196	-	. ma		KEY PLA						
102 103 104	G47 G48 G49	С С С	10.544 10.663 10.860	9.192 9.042 9.936	10.341 10.410 10.549	0.952 1.115 1.015	1.147 1.411 0.672	-								;°0 <sup>[3</sup> ,40"N	
105 106 107	G50 G51 G52	C C C	10.892 10.931 10.646	9.938 10.010 9.943	10.489         10.585         10.512	1.056 1.105 1.423	0.758 0.735 0.291				/ <sup>_ M</sup>	anhole Top				<sup>™</sup> N1444000	
108 109 110	G53 G54 G55	C C C	10.566 10.892 11.014	9.551 9.677 9.749	10.571 10.578 10.894	0.951 0.852 1.121	0.852 0.963 0.944			Road Road edge-/							
112 113	H1 (OL) H2 H3	С С С	<b>9.824</b> 9.373 9.434	7.972 8.368 8.422	9.780 9.372 9.404	<b>1.621</b> 0.856 0.952	<b>1.640</b> 0.724 0.711				CLOSED D						
114 115 116	H4 H5 H6	C C C	- 10.167 10.557	- 8.962 9.505	- 9.810 10.527	- 0.968 0.965	- 0.854 0.867	-		(	υίνσεν Ν		_				
117 118 119	H7 H8 H9	C C C	10.618 9.278 9.377	- 8.457 8.576	10.484 9.302 9.295	- 0.926 0.905	- 0.561 0.586	-		Road		_				3.03,30″N	
120 121 122	H10 H11 H12	C C C	9.268 9.365 9.594	8.143 8.360 7.838	9.180 9.367 9.532	0.901 0.925 1.356	0.869 0.740 0.895	-		Road edge-	۲ ۲	1				13.0	
123 124 125	H13 H14 H15	C C C	9.596 9.527 9.538	7.740 8.022 8.082	9.442 9.325 9.360	1.512 1.052 1.015	1.435 1.093 1.104	-				Invert					w
126 127 <b>128</b>	H16 H17 I1 (OL)	С С С	9.226 9.350 <b>9.846</b>	8.275 8.494 <b>8.525</b>	9.211 9.294 <b>9.841</b>	0.925 0.961 <b>0.851</b>	0.650 0.605 <b>1.070</b>				OPEN DRA	ΑIN					V
129 130 131	2  3  4	C C C	9.957 10.337 10.529	9.396 - 9.673	9.917 - 10.575	0.715 - 0.912	0.411 - 0.671	-					Ξ.Λ			N1443500	
132 133 134	15 16 17	C C C	11.148 11.069 11.322	9.792 10.713 10.701	11.165 11.108 11.260	0.921 0.921 0.921	1.100 0.171 0.370			WA	RDS OF		_^			3.03 <sup>1</sup> 20"N	
135 136 137	18 19 110	C C C	11.275 10.339 10.441	9.324 9.083 9.240	11.242 10.304 10.354	1.218 1.182 1.051	1.630 1.071 1.000			(			39 38 40 43 17 42 43			13.03	
138 139 140	l11 J1 J2	C C C	10.573 9.590 9.805	9.468 8.189 8.505	10.480 9.337 9.494	1.021 1.811 1.711	0.840 0.950 0.988	-		9	95 97 98	9 70 71 73 72 74 / 75 76 177 74 / 75 76 177	$48749 \\ 50 \\ 545456 \\ 57 \\ 57 \\ 57 \\ 57 \\ 57 \\ 57 \\ 57 \\ $				
41  42  43	J3 J4 J5	С С С	9.944 9.971 9.958	- 8.530 8.407	9.738 9.654 9.671	- 1.811 1.901	- 1.040 1.050	-		90 93 145 127		104 58 03 104 58 07 61 62 77 61 62	59 114				
44	J6 J7 J8	C C C C	10.033 10.651 1.890		9.965 10.621 10.698	-		-			9 [130 112 130 134 131 132 135 136 138						
40 47 48 49	J9 J10 J11	с с с	10.401 10.003 10.758	- 8.999 9.802	10.898 10.214 9.905 10.450	 	 0.803 0.744	-			38 - 140 - 141 339 - 142 170 - 171 160	122 123 124 126 173 172 175 176				N"01'50	
49 50 51 52	J12 J13 J14	C C C	10.758 10.558 10.892 10.854	9.802 - 9.291 9.033	10.450 10.659 10.671 10.432	1.012 - 1.003 1.125	- - 1.399 1.595				174 177 177 178 179					13.03'	
152 153	J14 J15 J16	C C	10.854 10.727 10.592	9.033 9.306 9.591	10.432 10.441 10.384	1.125 1.001 1.423	1.595 1.200 0.760									80 <b>°</b> 11'10"E	E412000

Roads: main; others; mud. Cart track.	
Temple. Chhatri. Shrine. Mosque. Idgah. Tomb. Church.	
Railways: broad gauge with station; bridge; metro.	RS .
Boundary: state; district; taluk.	
Boundary: CMA; zone; ward.	··· _ ·· _ ·· _
Roads: without drain; with oneside drain; with both side drain.	
Road with reverse gradient drain.	<b>&gt;</b>
Spaced names: locality; village.	ALWARPET Kolathur

Drains: stormwater; feeder with flow direction. Invert level.
Canal. Outlet.Inundated area by privious flood,.
Bridge with piers. Culvert. Flyover. Subway. Sewage line.
River:dry with water channel; with island & rocks.Tidal river.
Streams: perennial; non perennial; Single line: defined. Tank.
Rain water Harvesting.Stormwater pumping station.

