



State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 51 CON 2015

Date: 29-10-2015

To,

The Executive Engineer
Nadaprabhu Kempegowda layout division of
Bangalore Development Authority [BDA],
MRCR layout, BDA Complex,
Vijayanagar, Bengaluru-560 040

Sir,

Sub: Development of Nadaprabhu Kempegowda Residential layout project on an area of 4,043 Acres and 27 Guntas situated in Sheegehalli, Kannelli, Kodigehalli, Manganahalli of Yeshwanthpur Hobli, Bengaluru North Taluk and Kommaghatta, Bheemanakuppe, Bheemanakuppe-Ramasagara, Challaghatta, Sulikere, Kenchanapura, Ramasandra, Kommaghatta-Krishnasagara of Kengeri Hobli, Bengaluru South Taluk, Bengaluru Urban District by M/s. Bangalore Development Authority [BDA] - Issue of Environment Clearance - Reg.

This has reference to your application dated 4th March 2015 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC Karnataka furnishing further information seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per the prescribed procedure in light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form 1, Form 1A, conceptual plans, EIA/ EMP and the additional clarifications furnished in response to the observations of the SEAC/SEIAA, Karnataka. SEAC has recommended for issue of Environmental Clearance in its meetings held on 21st September 2015.

2. It is, inter-alia, noted that M/s. Bangalore Development Authority [BDA] have proposed for Development of Nadaprabhu Kempegowda Residential



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Development of Nadaprabhu Kempegowda

Residential layout project of

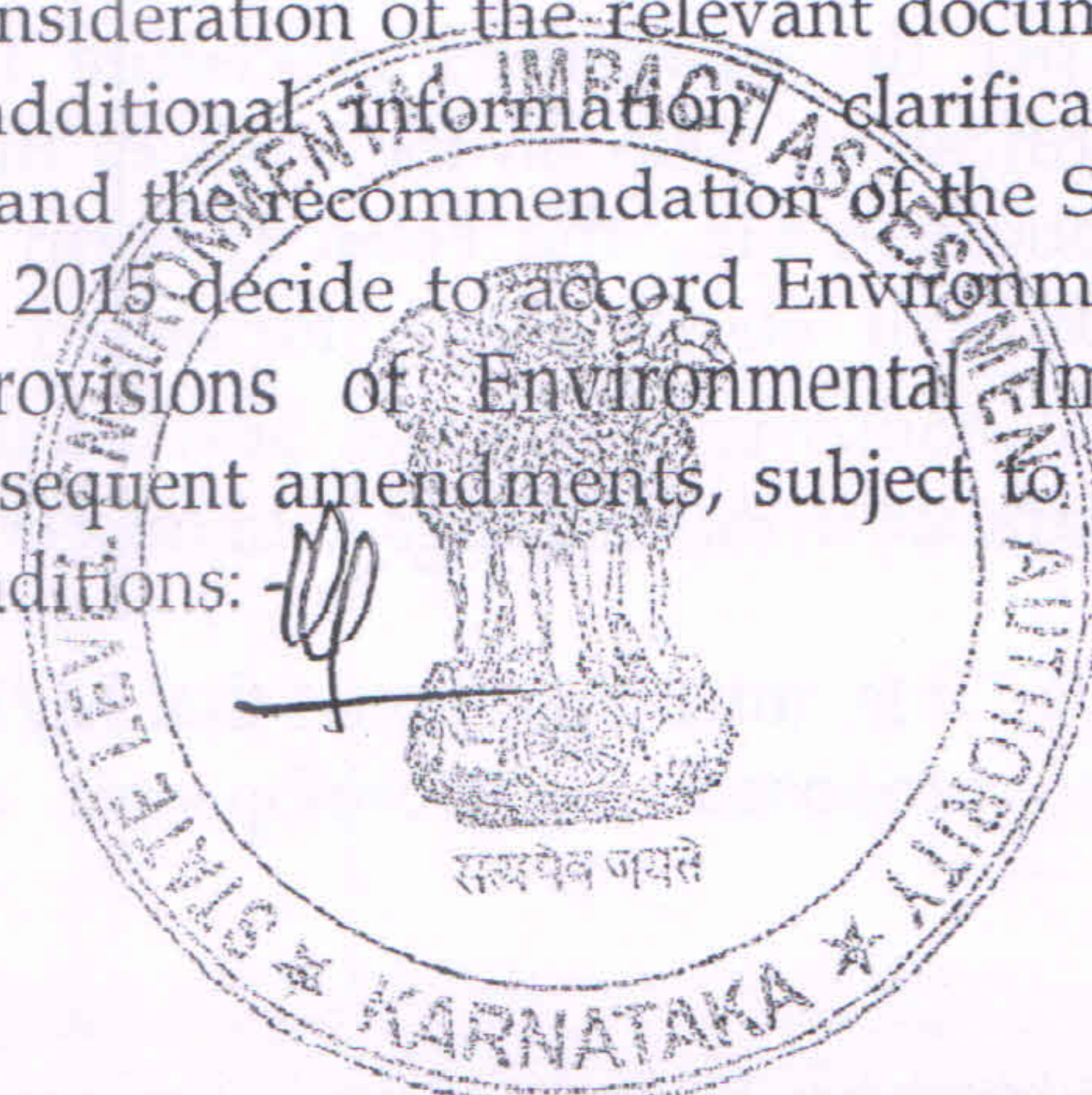
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layout project on a plot area of 4,043 Acres and 27 Guntas including an area of 51.48 Acres which has been De-notified. Out of 4,043 Acres 27 Guntas area, 1357.05 Acres area is earmarked for development of 40,539 individual residential Plots, 450.22 Acres area is earmarked for Residential development (High Rise Buildings), 116.31 Acres area is for Commercial development, 387.52 Acres area is for Civic Amenity, 607.17 Acres area is earmarked for Park and Open space, 75.47 Acres area is water bodies, 963.29 Acres area is earmarked for Roads and 34.49 Acres area is Reserved for Future Development (Layout Plan is enclosed as Annexure). Total estimated water requirement for the project is 146 MLD (Fresh water & Recycled water) will be met from BWS&SB & Recycled water. The total wastewater discharge is 116.8MLD. It is proposed to construct 10 Numbers of Sewage Treatment Plant. Total power requirement of 7200MVA will be sourced from BESCOM. The project cost is Rs.2,610Crores

3. The project proposal has been considered by SEAC during the meeting held on 19th and 20th March 2015 and ToR was issued on 31st March 2015 for conducting Environment Impact Assessment (EIA) Study. The EIA has been conducted and report submitted by M/s. Environment & Power Technologies Private Limited (EPTPL), #10, NS Bhavan, 2nd Floor, 4th Cross, 4th Main Gandhinagar Bangalore-560009. The O. M dated 02.12.2009, 18.03.2010 and 28.06.2010 issued by the MoEF, GoI, regarding mandatory accreditation of environmental consultants from NABET/QCI is not applicable in this case in view of the stay granted by The Hon'ble High Court of Karnataka in W. P. No. 34120/2013 (M/s. Environment & Power Technologies Private Limited (EPTPL) V/s M/s. Union of India represented by MoEF, GoI & DFEE, GoK) on 31st July 2013.

4. Based on the information submitted by you, presentation made by you and your consultant M/s. Environment & Power Technologies Private Limited (EPTPL) #10, NS Bhavan, 2nd Floor, 4th Cross, 4th Main Gandhinagar Bangalore-560009, the State Level Expert Appraisal Committee (SEAC) appraised the proposal in the meeting held on 21st September 2015 and has recommended for issue of Environmental Clearance.

5. The SEIAA Karnataka after due consideration of the relevant documents submitted by the project proponent, additional information/clarifications furnished in response to its observations and the recommendation of the SEAC have in its meeting held on 29th October 2015 decide to accord Environmental Clearance in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments, subject to strict compliance of the following terms and conditions:



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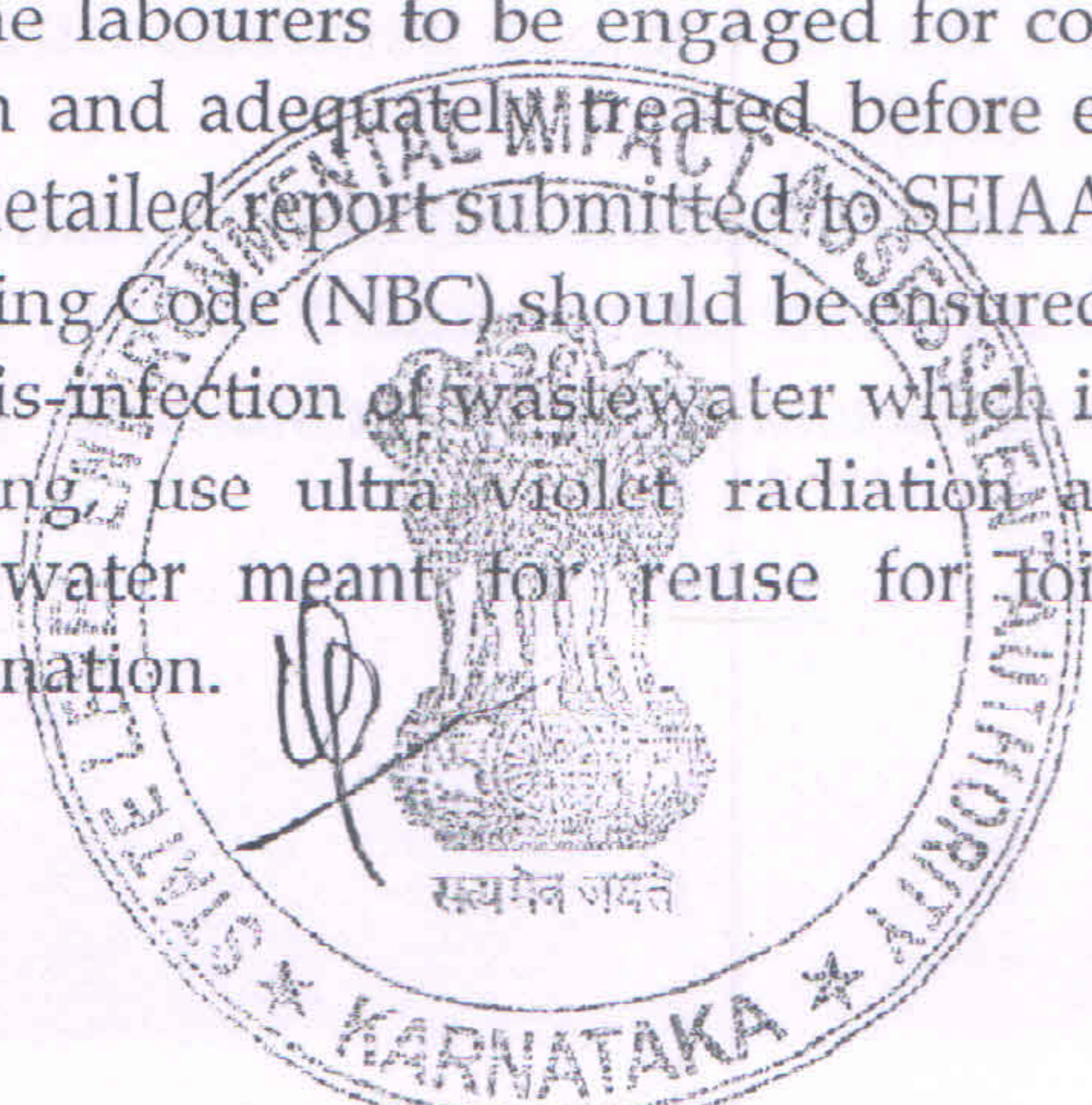
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Development of Nadaprabhu Kempegowda
Residential layout project of
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Part A- SPECIFIC CONDITIONS

I. Construction Phase

1. Set up an environment management cell and ensure that the cell manages / maintains all the environmental aspects such as sewage treatment, solid waste disposal, maintenance of green belt areas, etc., and in case the commercial space is sold / leased, then enter into an agreement with the prospective buyers to ensure that they maintain the cell and take care of all environment concerns during the operation phase of the project. In addition, sufficient fees should be levied so as to raise a corpus fund to maintain the Environment cell.
2. Appoint an Environment and safety engineer during the construction phase to take care of environment and safety aspects.
3. The project proponent should ensure that during the construction phase utmost care is taken to ensure that there is no noise nuisance, no air and water pollution and no disturbance to the nearby inhabitants. In case of violation, the project construction activity may have to be directed to be stopped.
4. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Sufficient number of toilets/bathrooms shall be provided with required mobile toilets, mobile STP for construction work force.
5. A First Aid Room should be provided in the Project both during construction and operation of the project.
6. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
7. Provision shall be made for the housing of construction labourers within the site with all necessary infrastructures. The housing may be in the form of temporary structures to be removed after the completion of the project. The facilities shall include the crèche.
8. Provision should be made for the supply of fuel (kerosene or cooking gas); utensils such as pressure cookers etc. to the labourers during construction phase.
9. All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site and detailed report submitted to SEIAA. Safety standards as per National Building Code (NBC) should be ensured.
10. For disinfection of wastewater which is not meant for recycling for toilet flushing, use ultra violet radiation and not chlorination. For treated wastewater meant for reuse for toilet flushing, disinfect by using chlorination.

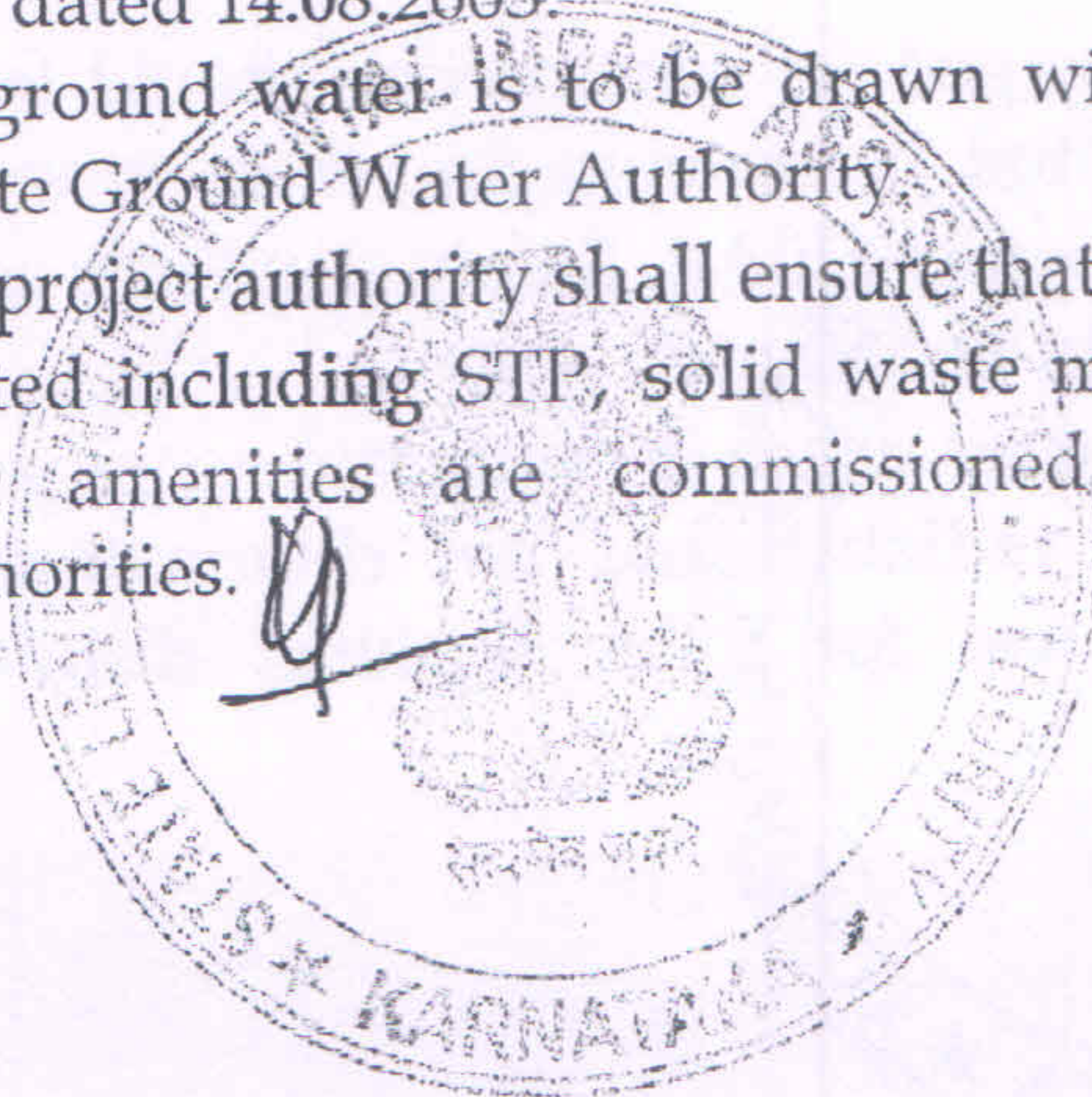


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11. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
12. Disposal of muck, construction debris during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
13. Soil and ground water samples should be tested at the project site during the construction phase to ascertain that there is no threat to ground water quality by leaching of heavy metals and or other toxic contaminants and report submitted to SEIAA.
14. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
15. The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to E (P) Rules prescribed for air and noise emission standards.
16. Vehicles hired for bringing construction material to the site should be in good condition and should conform to the applicable air and noise emission standards and should be operated only during non-peak hours.
17. Ambient noise levels should conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.
18. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on August 2003.
19. Ready mixed concrete must be used in building construction.
20. Storm water control and its re-use as per CGWB and BIS standards for various applications.
21. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices and only tertiary treated water shall be used for construction as per G.O. No. FEE 188 ENV 2003 dated 14.08.2003.
22. No ground water is to be drawn without permission from the Central /State Ground Water Authority.
23. The project authority shall ensure that the common infrastructure facilities created including STP, solid waste management facility, Park and other civic amenities are commissioned and maintained by designated Authorities.

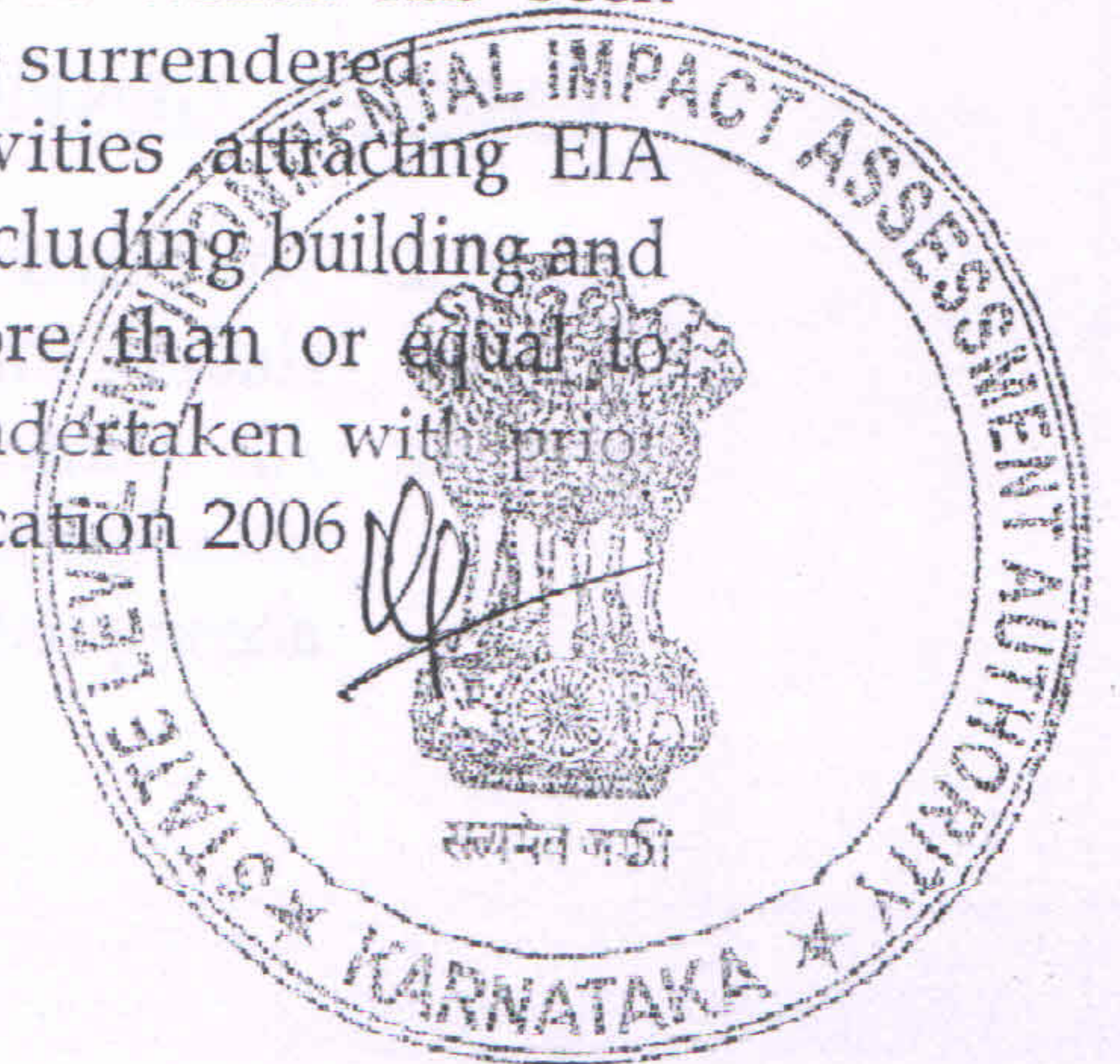


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24. The Proponent shall obtain the construction material such as stones and jelly etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.
25. The project authorities shall ensure that no water bodies are polluted due to project activities.
26. The project Authorities shall ensure that the National Building Code, 2005 is fully complied with and adhered to.
27. The project Authority shall protect and maintain the Kharab lands that are rendering ecological services and has historical /heritage importance.
28. The project Authorities shall ensure the time specification prescribed by the Honourable High Court of Karnataka in WP. No. 1958/2011 (LB - RES - PIL) on 04.12.2012 for different activities involved in construction work.
29. The project Authorities shall ensure that the construction activity is undertaken strictly in accordance with the approved layout drawing annexed to this Environmental Clearance letter.
30. The existing water body, canals and rajakaluve and other drainage and water bound structures shall be retained unaltered with due buffer zone and maintained under tree cover.
31. The project Authorities shall leave appropriate buffer from the boundary of lake and on either side of the channel / nala and other water bodies as per the RMP-2015 and/or any other law in force this shall be free from any permanent structures. The buffer so maintained shall be planted with indigenous tree species such as Neem, Akash Mallige, Mahagoni, Honge, Kadamba Ficus, etc. and maintained as green belt.
32. The natural sloping pattern of the project area shall remain unaltered and the natural hydrology of the area be maintained as it is to ensure natural flow of storm water.
33. Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.
34. The civic amenities sites earmarked for management of MSW and STP shall not be diverted for any other purpose.
35. The project Authority shall protect and maintain the sensitive areas identified in the RMP -2015.
36. The project authority shall ensure that no industrial development take place in the area enclosed by the proposed layout which has been acquired by KIADB and subsequently proposed to be surrendered.
37. The project Authorities shall ensure that the activities attracting EIA notification 2006 and the subsequent amendments including building and Construction project having a built-up area of more than or equal to 20,000Sqm within the proposed project area are undertaken with prior Environment clearance in accordance with EIA notification 2006



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II. Operation Phase.

1. The installation of 10 Numbers of Sewage Treatment Plant (STP) shall be carried out and be got certified by an independent expert and a report in this regard should be submitted to the SEIAA immediately. Discharge of treated sewage shall conform to the norms & standards of the Karnataka State Pollution Control Board. Treated sewage should be used for flushing, gardening and other non potable purpose, as proposed, using dual plumbing line.
2. Rainwater harvesting of surface run-off as per the plan submitted should be implemented with Sufficient Numbers of recharge pits.
3. The Project Authority shall impose a condition to the prospective allottees for adaptation of suitable rain water harvesting mechanism and usage.
4. Ensure that the excess runoff rainwater from the greenbelt area, which is irrigated by treated water, does not get into recharge pits and contaminate the ground water. Such excess flow should be safely let in to the storm water drains.
5. The project Authority shall ensure that the solid waste generated is properly collected, segregated and managed as per Municipal Solid Wastes (Management and Handling) Rules 2000.
6. Any hazardous waste including biomedical waste shall be disposed-off as per the applicable Rules and norms with necessary approvals of the Karnataka State Pollution Control Board.
7. The project Authority shall undertake avenue plantation all along the road network proposed and develop green belt in the park and open places, civic amenity areas etc., to the maximum extent possible.
8. Incremental pollution loads on the ambient air quality; noise and water quality should be periodically monitored after commissioning of the project.
9. Application of solar energy should be incorporated for illumination of street lighting, park and open places apart from incorporating suitable condition to the prospective allottees for use solar energy. Details in this regard should be submitted to the SEIAA.
10. The Environment Management Plan including the human health and Safety management plan and Fire Safety and Protection plan proposed by the proponent shall be strictly implemented.

PART - B. GENERAL CONDITIONS:

1. The Environmental safeguards contained in the application EIA/ EMP shall be implemented in letter and spirit.
2. All commitments made by the proponents in their application, and subsequent letters addressed to the SEAC/SEIAA should be accomplished before the construction work of the project is completed.

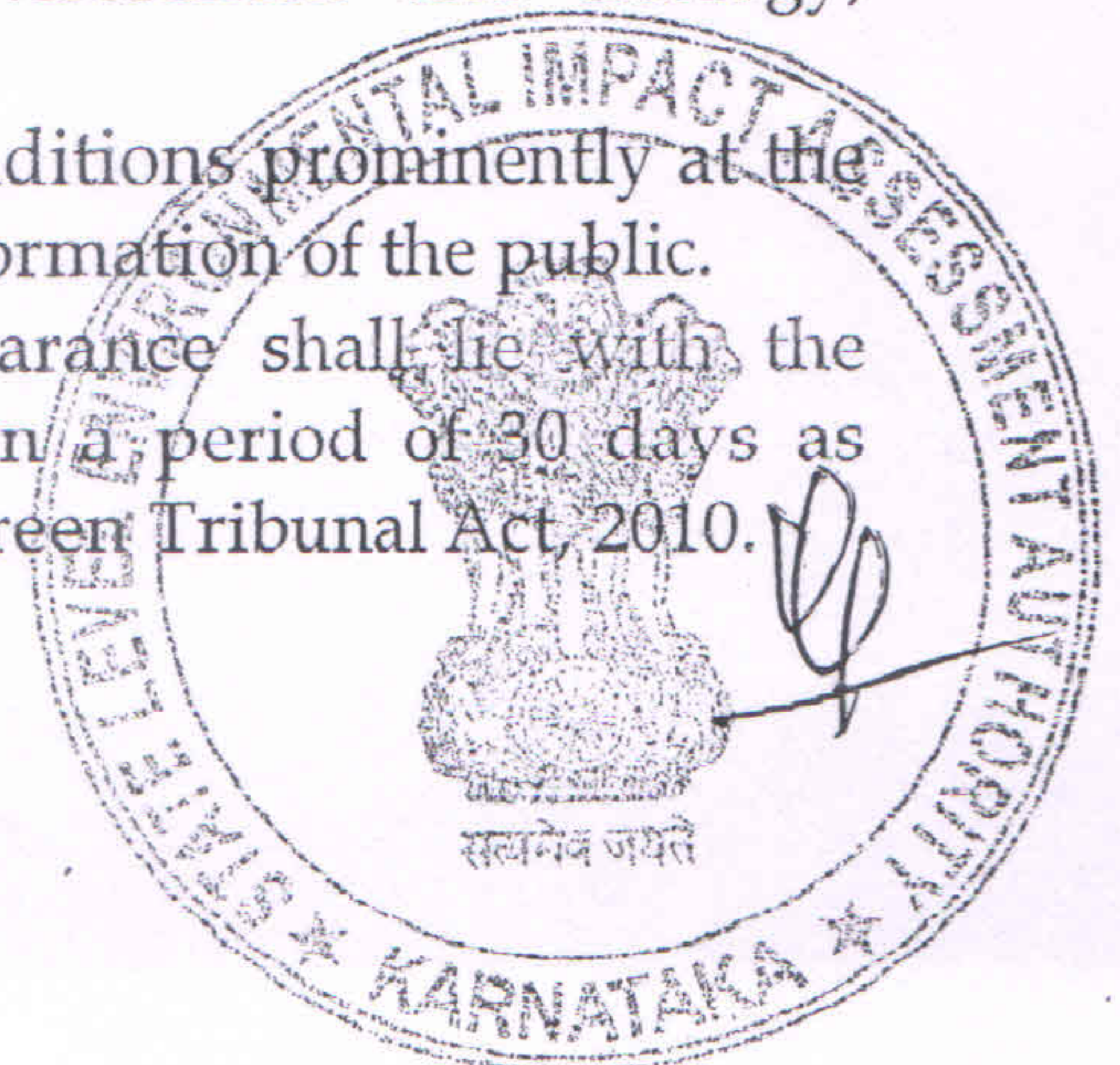


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3. Half yearly monitoring reports should be submitted to the SEIAA and the APCCF, Regional Office, MoEF, Bengaluru.
4. Officials from the Department of Environment and Ecology, Bengaluru / APCCF, Regional Office of MoEF, Bengaluru who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF / SEIAA should be forwarded to the APCCF, Regional Office of MoEF, Bengaluru / Department of Environment and Ecology, Bengaluru.
5. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
6. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.
7. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the competent authorities.
9. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Karnataka State Pollution Control board and may also be seen on the website of the SEIAA, Karnataka at <http://www.seiaa.kar.nic.in> or <http://seiaa.karnataka.gov.in> The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the APCCF, Regional Office of the MoEF at Bengaluru/ Department of Environment and Ecology, Bengaluru.
10. The project proponent should display the conditions prominently at the project site on a suitable size board for the information of the public.
11. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



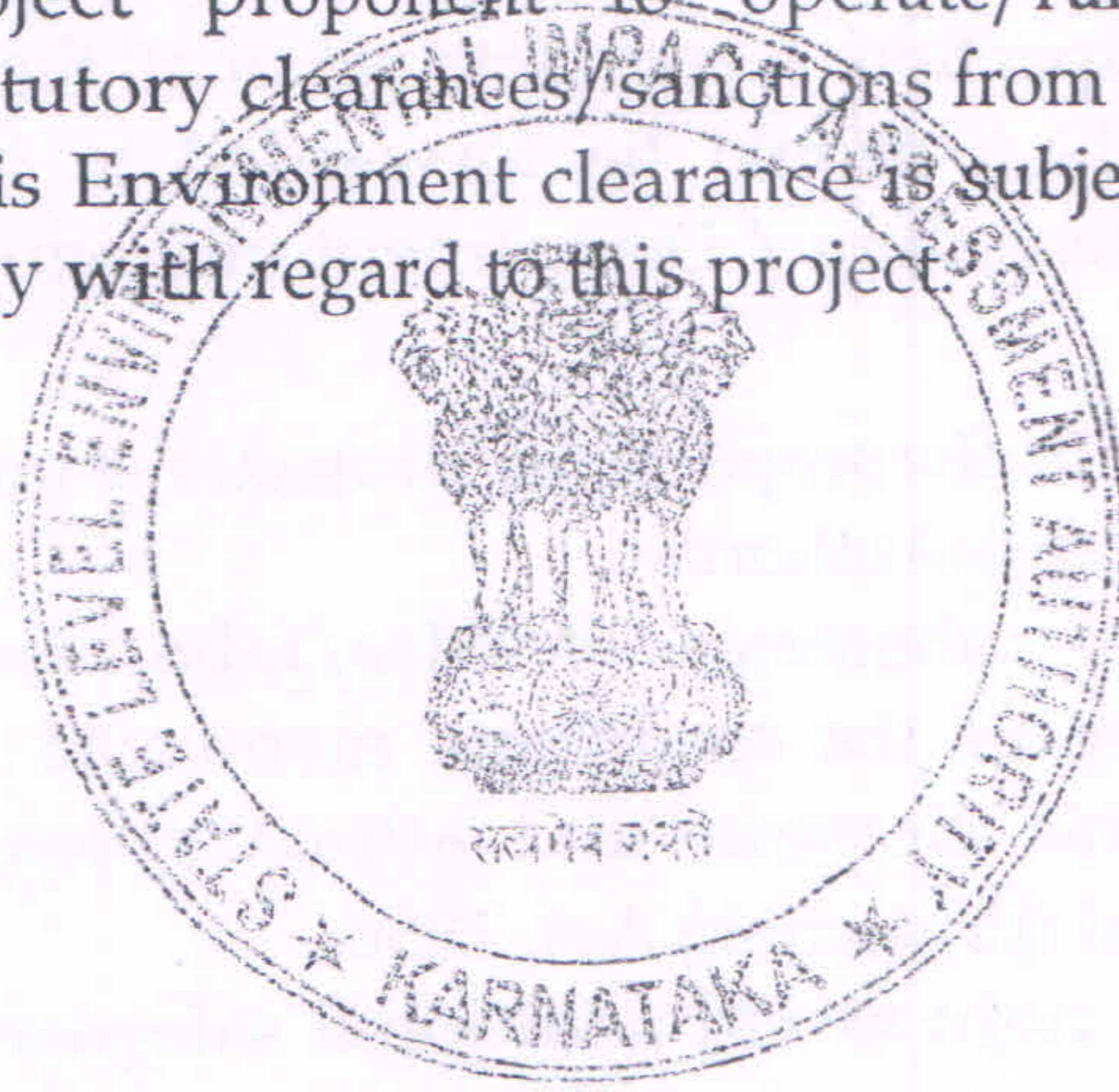
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12. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
13. The issuance of Environment Clearance doesn't confer any right to the project proponent to operate/run the project without obtaining Statutory clearances/sanctions from all other concerned authorities.
14. This Environment clearance is subject to judicial orders/ directions If Any with regard to this project.



Yours faithfully,


(RAMACHANDRA) 29/10/15
Member Secretary,
SEIAA, Karnataka.

Copy to:

1. The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi - 110 003.
2. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru.
3. The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block, Bengaluru - 560 034.
4. Guard File.