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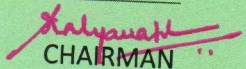
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU  
ENVIRONMENTAL CLEARANCE

**VALIDITY:-**

THE SEIAA-TN HEREBY ACCORDS ENVIRONMENTAL CLEARANCE TO THIS PROJECT UNDER THE PROVISIONS OF THE EIA NOTIFICATION 2006 AS AMENDED, WITH VALIDITY FOR **SEVEN** YEARS FROM DATE OF ISSUE SUBJECT TO THE CONDITIONS SPECIFIED BELOW.

**(A) Conditions for Pre Construction Phase:-**

- 1) The project authorities should advertise with basic details at least in two local newspaper widely circulated, one of which shall be in the vernacular language of the locality concerned, indicating the project activity completed, to be done etc., within 7 days of the issue of clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN and a copy of the same should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai.
- 2) In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained.
- 3) The clearance letter shall be put on the website of the Proponent.
- 4) "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board for the facilities proposed to be undertaken and a copy of the same shall be submitted to the SEIAA, Tamil Nadu before start of construction activity at the site.
- 5) Any appeal against this environmental clearance shall lie with the Hon'ble 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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- 6) The approval of the competent authority shall be obtained for structural safety of the system during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc.
  - 7) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  - 8) DG sets proposed as source of back-up power during operation phase shall be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986.
  - 9) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
- (B) Conditions for Construction Phase**
- 10) The Sewage Treatment Plant (STP) as proposed shall be installed after obtaining consent from the TNPCB for the treatment of the sewage to the latest prescribed standards including odour by the MoEF&CC, GOI and TNPCB.
  - 11) The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Tamilnadu before the project is commissioned for operation.
  - 12) The waste water management facility as furnished in report to SEIAA for final disposal of treated effluent as committed shall be adhered to without fail.

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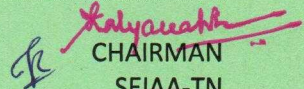




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- 13) All required sanitary and hygienic measures should be in place during construction activities and they have to be maintained throughout the construction phase.
- 14) Adequate measures to reduce air and noise pollution during construction shall be adopted, conforming to norms prescribed by the TNPCB on noise limits.
- 15) The Project Proponent has earmarked 8093.746 m<sup>2</sup> of the site area for green belt development, which works out to 33% of the total site area of 24281.23 m<sup>2</sup>.
- 16) Plant / tree species with large potential for carbon capture shall be planted in the proposed green belt area based on the recommendation of the Forest department.
- 17) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the project site.
- 18) A First Aid Room shall be provided in the project site during the entire construction phase of the project.
- 19) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- 20) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- 21) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

  
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
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- 22) The solid waste in the form of excavated earth excluding the top soil generated from the project activity shall be scientifically utilized for construction of approach roads and peripheral roads.
- 23) Storm Water Management – shall be established for the streets where sewerage lines are proposed and for STP site following the guidelines of Storm Water Management.
- 24) Points raised in the Public hearing and commitments made shall be complied with in all aspects.
- 25) STP shall be designed as per CPHEEO guidelines.
- 26) Extended aeration shall be designed to adopt standard aeration time.

(C) Conditions for Operation Phase/Post Construction Phase

- 27) Chlorination of the sewage may be avoided.
- 28) STP shall be operated effectively and continuously so as to achieve the prescribed standards at all times. The continuous operation of the STP shall be ensured with DG set as informed.
- 29) Treated sewage discharged from STP after confirming to the discharge standards prescribed shall be disposed for irrigation purpose in Thengampudur Ayacut with an area of 833 acres (337.105 ha) with the consent of the farmers.
- 30) The treated effluent shall not access any water bodies.
- 31) The local body shall identify water bodies in consultation with PWD to store the treated sewage during rain where the water is not required for irrigation.
- 32) The disposal of treated effluent for irrigation of agricultural lands shall alternate with fresh water usage.
- 33) Rotation of crops shall be practised.

  
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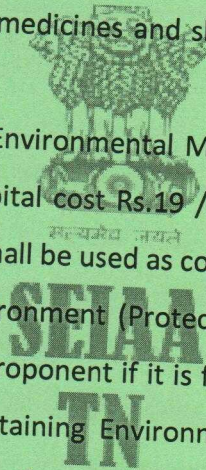


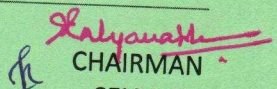


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- 34) Necessary measures should be made to mitigate the odour problem and mosquito problem in the STP area.
  - 35) Adequate measures shall be taken to prevent odour emanating from solid waste. The sludge collected for disposal shall be dried.
  - 36) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, pumping stations, etc. and the noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
  - 37) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc. 4 no's of percolation pits each of size 2m diameter x 2.5 m depth shall be provided as committed. The percolation pits for rainwater recharging shall be kept at least 5 mts above the highest ground water table.
  - 38) A First Aid Room shall be provided during operation of the project, with necessary equipments and life- saving medicines and should be manned all the 24 hours any day.
  - 39) The amount earmarked for Environmental Monitoring Plan [EMP] for construction and operation periods of capital cost Rs.19 /- Lakhs and recurring cost of Rs. 11/- Lakhs per year respectively shall be used as committed by the proponent.
  - 40) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining Environmental Clearance, and for any other action resulting in violation of any condition stipulated in the Environmental Clearance.
  - 41) The discharge of any industrial treated/untreated effluent shall not be permitted at any stage.



  
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Conditions for Entire life of the Project

- 42) The Proponent shall establish all facilities in connection with the project such as, treated effluent disposal arrangements, solid waste management system, green belt development, rain water harvesting facility, environmental and monitoring system.
- 43) It shall be ensured that the treated sewage water of quantity 17.66 MLD shall be disposed for irrigation purpose in Thengampudur ayacut of 833 acres with permission from concerned authority .Excess water if any may be disposed beneficially without adverse effect to Public and Environment.
- 44) It shall be ensured that the treated effluent water disposed for irrigation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
- 45) It shall be ensured that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the strom water shall be properly disposed off in the natural drainage/channels without disrupting the adjacent public. Adquate harvesting of strom water should be ensured.
- 46) It shall be ensured that necessary trenches for openings shall be provided at periodic intervals along the compound wall, so as to let out the storm water during rainy season, without stagnation/ ponding in the premises.
- 47) The Biodegradable solid waste, Non - Biodegradable solid waste, **STP sludge**, etc generated from the project activity shall be properly collected, segregated and disposed as committed, and as per the provision of Solid Waste (Management and Handling) Rules, 2000.
- 48) Spent oil collected from DG sets shall be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous Wastes (Management, Handling

  
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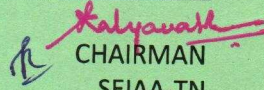




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- and Tansboundary Movement) Rules. Spent oil from DG sets shall be disposed off through registered recyclers.
- 49) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project as per EMP provided.
- 50) A separate environmental management cell with qualified personnel shall be set-up.
- 51) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the MOEF and its Regional Office located at Chennai.
- 52) The project proponent shall submit six - monthly reports (as on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year) on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office at Chennai, the Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board.
- 53) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai and TNPCB. The criteria sectoral pollutant levels namely; PH, BoD, CoD, TSS, NH<sub>4</sub>-N, N-total and fecal coliform (MDN/100ml), indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- 54) The SEIAA, TN reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions are found and to take action, including revoking of this EC as the case may be.

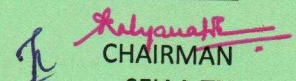
  
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- 55) The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
- 56) The Regional Office of the MoEF located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- 57) Failure to comply with any of the conditions mentioned above may result in withdrawal of this Environmental Clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- 58) The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
- 59) This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
- 60) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the TNPCB as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall

  
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SEIAA-TN



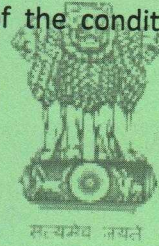


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also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the MoEF, Chennai by e-mail.

- 61) The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- 62) It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.



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**SEIAA**  
**TN**

*Kalyanath*  
CHAIRMAN  
SEIAA-TN

Copy to:-

1. The Principal Secretary to Government,  
Environment & Forests Department,  
Govt. of Tamil Nadu, Fort St. George,  
Chennai – 600 009.
2. The Chairman,  
Central Pollution Control Board,  
Parivesh Bhavan, CBD Cum-Office Complex,

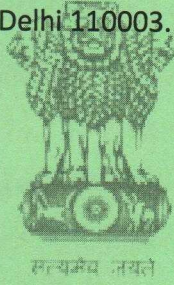




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East Arjun Nagar, New Delhi 110032.

3. The Member Secretary,  
Tamil Nadu Pollution Control Board,  
76, Mount Salai, Guindy, Chennai - 600 032.
4. The ACCF(C), Regional Office of MoEF,  
34, HEPC Building, 1 & 2 nd Floors,  
Cathedral Garden Road, Nungampakkam, Chennai - 600 034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,  
Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The District Collector, Nagercoil district.
7. Stock File.



**SEIAA**  
**TN**