

State Level Environment Impact Assessment Authority (SEIAA), Tripura

**Minutes of Meeting for State level Environment Impact Assessment Authority (SEIAA), Tripura in connection with considering Environmental Clearance (EC) for 500 KLD Common Effluent Treatment Plant (CETP) at Bodhjunnagar Industrial Estate for Tripura Industrial Development Corporation Ltd. (TIDCL) held on 16<sup>th</sup> August, 2016**

A meeting of State Level Environment Impact Assessment Authority (SEIAA), Tripura was held on 16<sup>th</sup> August, 2016 at 11:30 AM in Vigyan Prajukti O Paribesh Bhawan, P.N. Complex, Gorkhabasti, Agartala, Tripura in connection with considering Environmental Clearance (EC) for 500 KLD Common Effluent Treatment Plant (CETP) at Bodhjunnagar Industrial Estate for Tripura Industrial Development Corporation Ltd. in Category 7(h) of Schedule annexed with EIA Notification dated 14/9/2006.

The meeting was presided by Prof. Biswanath Dinda, Chairman, SEIAA, Tripura

The following members were present in the meeting:

- 1. Sri Samir KantiBhusan, Member, SEIAA, Tripura.
- 2. Dr. Honnareddy N., Member Secretary, SEIAA, Tripura.

The TIDCL had submitted EIA report to SEIAA dated 15<sup>th</sup> March, 2016 & SEIAA forwarded the said report on 2<sup>nd</sup> April, 2016 to State level Expert Appraisal Committee for appraisal.

The SEAC, Tripura has recommended Environmental Clearance (EC) for 500 KLD Common Effluent Treatment Plant (CETP) and forwarded the proposal with recommendation to the SEIAA, Tripura to grant the Environmental Clearance to this project. The proposal was considered by the SEAC meeting held on 13/07/2016. Since the EIA Report was found to be adequate and complete, the **SEIAA hereby accords Environmental Clearance to 500 KLD Common Effluent Treatment Plant (CETP) project at Bodhjunnagar Industrial Estate for Tripura Industrial Development Corporation** under the provision of EIA Notification, 14<sup>th</sup> September, 2006 subject to the compliance of the following Specific and General Conditions:

**1. SPECIFIC CONDITIONS**

- 1. The project proponent shall strictly follow the "Guidelines for Management, Operation and Maintenance of Common Effluent Treatment Plants" framed by the CPCB.
- 2. The project proponent shall set up recycling plant for recycling of treated effluent in the different industrial unit as a result treated water will not store in the valley land which will be contaminated to the ground water.

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3. The project proponent shall conduct bio-assay test for the treated effluent, at least once in a month.
4. The project proponent shall install online monitoring system for pH, DO & TOC parameters at the outlet of the CETP as well as at outlet of the Guard Pond and the same should be connected to the main server of the company with an alarm (hooter) arrangement in case any parameter exceeds the set value, which shall be lower or at least equal to the TSPCB norms.
5. Regular monitoring shall be carried out to monitor the ground water quality as well as water logging, if any, occurring due to the proposed disposal into the ponds and land applications. Records of the monitored data shall be maintained and submitted to the TSPCB along with interpretation, at least once in three months.
6. In order to assess and control the quality of effluent discharge, the project proponent shall carry out sampling of effluent from each member unit of vendor park on monthly basis, maintain records and submit the same at interval of every month.

### **WATER:**

7. The CETP shall be operated regularly and efficiently so that quality of treated effluent from the CETP always meets with the CPCB & TSPCB norms.
8. Total quantity of industrial effluent discharge from all vander units shall not exceed 500 KL/day.
9. The industrial effluent and sewage from the vendor units, conforming to the CETP inlet norms shall be conveyed through underground pipeline to the CETP for treatment.
10. The treated effluent from the CETP conforming to the TSPCB & CPCB norms shall be collected through underground pipeline into Guard Pond. This Guard Pond shall have adequate lining (HOPE) in order to prevent water logging due to continuous application of water on land.
11. The individual vendor shall be required to achieve the CETP inlet norms. If required, necessary treatment for removal of metals, ammonical nitrogen and other such parameters shall be given by the individual vendors to meet the inlet norms.
12. Comprehensive effluent quality monitoring programme as stated in the EIA Report of the project shall be implemented in order to ensure that effluent discharge from each vendor complies with the inlet norms of the CETP.

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13. The project proponent shall instruct and make sure that each vender unit shall provide a storage tank having at least one day retention time, from where the effluent will be conveyed to the CETP for further treatment.
14. The project proponent shall give time slot to the each contributing vender unit for discharge of effluent and implement a mechanism for ensuring that the vender units adhere to the same.
15. The project proponent shall strictly observe & make sure that each vender unit supplies entire effluent quantity to the CETP.
16. The project proponent shall be responsible for proper conveyance of effluent from their vender units to the CETP. Periodical maintenance of effluent conveyance pipelines and valves shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the vender units.
17. Emergency Tank shall be provided at the CETP for diverting incoming effluent not meeting with the CETP inlet norms.
18. The project proponent shall not keep any bypass line or system, or loose or flexible pipe for discharging effluent or even for conveying effluent within the CETP premises.
19. The project proponent shall provide impervious tanks *I* HOPE tanks *I* impervious guard ponds to hold effluent for at least 48 hours in the case of either maintenance of the CETP or disturbances in CETP operations and any untreated effluent shall never be discharged into the environment.
20. In case of power failure, stand-by D.G. Sets having power generation capacity equivalent to the requirement of power to run the CETP shall be installed, so that the CETP shall always be operated round the clock even in case of power failure.
21. The project proponent shall maintain daily log books for the quantity and quality of effluent discharged by the vender units, quantity and quality of inflow into the CETP, details of the treatment at each stage of the CETP including the chemicals used, DO concentrations in Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and quality of effluent utilized for plantation *I* gardening, etc. Details of the vender units failing to comply with the CETP inlet norms shall be submitted to the TSPCB on regular basis.
22. The project proponent shall set up a full fledged laboratory for collection, analysis of samples to monitor the effluent quality and deploy competent technical staff for the analysis and monitoring purpose.
23. The project proponent shall also have to submit every month, the analysis reports of the samples of effluent got collected and analysed by one of the recognized laboratories.
24. The project proponent shall maintain accurate records of their vender units in respect of quantity of each product manufactured, quantity of water

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consumption, quality of trade effluent, quantity of effluent generated, booked & supplied to the CETP on day to day basis and shall submit the complied record to the SEAC & TSPCB on six monthly basis.

## AIR:

25. Adequate stack height as per prevailing norms shall be provided to the DG. Set. The gas emission from the D. G. Set shall comply with the norms prescribed by the TSPCB.
26. The ambient air quality shall be monitored in and around the CETP area and results shall be submitted to the TSPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the TSPCB.

## SOLID WASTE:

27. The project proponent must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008, as may be amended from time to time. Authorization from the TSPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
28. The CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leach ate collection facility, before its disposal.
29. Wastes / residues containing oil shall be either sold to the registered refiners / recyclers or sent to the common hazardous waste incineration facility, depending on its quality.
30. Used oil shall be sold only to the registered recyclers.

## SAFETY:

31. Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.
32. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs.

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33. All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls shall be provided to the storage tanks. Close handling system of chemicals shall be provided.
34. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check up of the workers and keeping its record etc.
35. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
36. First Aid Box shall be made readily available in adequate quantity.
37. Training shall be imparted to all the workers on safety and health aspects of chemicals handling and CETP operations.
38. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre- employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
39. Transportation of hazardous chemicals, if any, shall be done as per the provisions of the Motor Vehicle Act & Rules

**NOISE:**

40. The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

**GREEN BELT AND OTHER PLANTATION:**

41. The project proponent shall develop green belt within premises as per the CPCB guidelines, preferably with local species, and shall submit an action plan of plantation for next three years to the TSPCB.

**ADDITIONAL CONDITIONS:**

42. No copper, nickel, chromium electroplating shall be carried out in the vendor park
43. Proper Solid waste management facility shall be provided within the park for safe disposal of solid waste

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**GENERAL CONDITIONS:**

44. In the event of the CETP's not functioning as proposed / breakdown of the CETP, the vender units shall be immediately intimated to stop discharging the effluent / to shut down their plants immediately. The effluent from the vender units shall not be received at CETP until the desired efficiency of the CETP has been achieved.
45. If the CETP fails to achieve the TSPCB norms at its outlet; the individual vender unit shall provide and operate the Effluent Treatment Plant (ETP) with adequate primary, secondary and tertiary treatment facility to achieve the TSPCB norms.
46. Good housekeeping shall be maintained within the CETP premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and Disposal.
47. During effluent transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
48. Storm water shall not be mixed with the effluent. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
49. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
50. No further expansion or modifications in the CETP likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
51. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as TSPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
52. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the TSPCB and may also be seen at the Website of SEIAAI SEACI TSPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Bengali language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
53. It shall be mandatory for the project management to submit half-yearly

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compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned (TSPCB, MoEFCC Regional Office, CPCB, SEIAA & SEAC, Tripura State ).

- 54. The project authorities shall take Consent Certificate from Tripura State Pollution Control Board and also adhere to the stipulations made by TSPCB.
- 55. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
- 56. The proponent in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 57. This environmental clearance is valid for five years from the date of issue.

**II:** The SEIAA also considered the ToR (Terms of Reference) for Project to install mounded bullets (3600MT) for bulk LPG storage bottling facility (60,000 MTPA) at Village Radhakishore Nagar, Budhjongnagar, IOCL and approved the ToR and also recommends the ToR to be forwarded the user agency for further action

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**(Prof. B.Dinda)**  
**CHAIRMAN**  
**SEIAA, Tripura**

*Honnareddy N.*  
 16/8/16  
**(Dr. Honnareddy N.)**  
**MEMBER SECRETARY**  
**SEIAA, Tripura**

*S.K.Bhusan*  
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**(S. K.Bhusan)**  
**MEMBER**  
**SEIAA, Tripura**

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