

The proposal was placed in the 123rd SEAC Meeting held on 21.12.2018. The proponent made a presentation about the project proposal. Based on the presentation made by the proponent and the documents furnished, the committee instructed the project proponent to furnish the following details:

1. The TNSCB shall submit proposal for grey water treatment and the plans for the reuse of the treated grey water, especially for toilet flushing by providing dual plumbing system, as their total water consumption is 415 KLD and also in view of the actual water shortage in Erode Taluk & District. Accordingly the water balance shall be revised.
2. The Project proponent shall furnish the suitable land use classification for the proposed project.
3. The proponent shall get permission from the TWAD for the supply of water.
4. The proponent shall furnish the CER proposal for the proposed project.

On receipt of the above details, the projects would be re considered for appraised for EC.

Agenda No. 123-12:

Proposed CETP project of 4 MLD Capacity by M/s. Sree Bhavani Dyeing cluster Development Limited at RS. No. 14/9, 11/1, 13/5, 13/2, 14/7, 13/3,

13/4, 14/8 of Aandikulam Village, Bhavani Taluk, Erode District, Tamilnadu -
For Environment Clearance

(SIA/TN/MIS/19365/2017)

The Proponent, M/s. Sree Bhavani Dyeing cluster Development Limited has applied for Terms of Reference (ToR) for the Proposed CETP project of 4 MLD Capacity at RS. No. 14/9, 11/1, 13/5, 13/2, 14/7, 13/3, 13/4, 14/8 of Aandikulam Village, Bhavani Taluk, Erode District, Tamilnadu on 16.05.2017.

The salient features of the project are as follows as stated in the project proposal submitted by the proponent.

1. The Government of Tamil Nadu announced grants for the textile industry to install the pollution control facilities to treat the effluent generating from the bleaching and dyeing operation in industries. This project is based on the announcement made by the Hon'ble Chief Minister of Tamil Nadu under Rule 110 in the Legislative Assembly on 11.08.2014 for the Environment Department and as per the G.O. (Ms.) No. 48, dated: 31.03.2015 of E & F Department for establishment of integrated textile processing parks with common effluent treatment plants (CETPs) based on Zero Liquid Discharge (ZLD) for rehabilitation of micro, small and medium scale textile bleaching, dyeing and its allied units in the district of Namakkal, Erode, Salem and Karur.
2. In line with the above announcement of Government of Tamil Nadu, the M/s. Sree Bhavani Dyeing cluster Development Limited have prepared a project proposal to manage the effluents generated in 73 industries by

installing the ZLD based common effluent plant at Aandikulam Village, Bhavani Taluk, Erode District. The units consist of Bleaching and dyeing units. They are non - consented industries under closure.

3. The proposal prepared by the M/s. Sree Bhavani Dyeing cluster Development Limited have been approved by the TNPCB and recommended to the Joint Secretary, Ministry of Textiles, Government of India, to consider the same for financial assistances.
4. The overall strength of the project is Zero Liquid Discharge.
 - a) The Recovered water in terms of RO-Permeate and Distillate will be reused at member dyeing units.
 - b) The Sodium Chloride from membrane distillation will be reused at member units.
 - c) The Sludge Cake (Lime Sludge) will be utilized by the Cement Industries.
 - d) The recovered Glaubers's salt ($\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$) will be reused at the member units.
 - e) The Bio Sludge from the filter press will be utilized as a fuel for boiler by making it as briquattes.
5. As per the Proposal, the only waste that remains to be disposed is the waste salt from Agitated Thin Film Drier (ATFD).

The project proposal was placed in the 94th meeting of the SEAC held on 08.09.2017. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of

References (ToR) with Public Hearing to SEIAA, subject to the following specific conditions in addition to the normal conditions as part of ToR.

The project proponent was accorded Terms of Reference by SEIAA-TN for the above said proposal, vide letter No.SEIAA-TN/F.No.6400/2017/(7h)/CETP/TOR-289/2016 dated: 11.09.2017.

The project proponent M/s. Sree Bhavani Dyeing cluster Development Limited has applied for seeking environmental clearance after conducting Public hearing and submitted the minutes of the public hearing along with EIA report to SEIAA-TN on 13.12.2018 for proposed CETP project of 4 MLD Capacity at RS. No. 14/9, 11/1, 13/5, 13/2, 14/7, 13/3, 13/4, 14/8 of Aandikulam Village, Bhavani Taluk, Erode District, Tamilnadu.

The project proponent gave a detailed presentation on the salient features of the project and informed that:

1. Zero Liquid Discharge (no discharge of any wastewater from the CETP)
2. High water recovery - more than 95% of effluent would be recovered and reused in member unit dyeing process.
3. High quality of sodium sulphate and sodium chloride (Brine solution) will be completely recovered from the effluent and reused in the dyeing process. Excess salt would be sold out to other industries.
4. Bio sludge would be converted as briquettes for boiler use as fuel.
5. Lime sludge would be sent to cement industry for co-processing.

6. Installation of Membrane Distillation with solar thermal heating system.
7. Zero/Minimal waste salt generation.
8. Area break up details:
 - a. Construction area - 2.01 Acres
 - b. Sludge Storage yard (Bio) - 0.01 Acres
 - c. Sludge Storage Yard (Chemical) - 0.01 Acres
 - d. Salt Storage Yard (1 Month) - 0.12 Acres
 - e. Solar Area (Ground Level) - 1.28 Acres
 - f. Hot water Generator - 0.01 Acres
 - g. Green Area- 2.06 Acres
 - h. Roads and others - 0.75 Acres
9. Cluster Details:
 - a. Type of Industries : Micro and small industries
 - b. Type of products : Cotton Yarn and Fabric - Dyeing
 - c. Type of process : Hand dyeing
 - d. Projected Dyeing capacity : 62 Tons of Fabric/day
 - e. Products from the cluster: Lungies, Towels, Dhotis, Carpets and fabrics for Garments manufacturing.
 - f. Employment potential : Direct employment - 1300 people
Indirect employment - 2000 people

The SEAC noted the following:

1. The project proponent M/s. Sree Bhavani Dyeing cluster Development Limited has applied for seeking environmental clearance with EIA report to SEIAA-TN on 13.12.2018 for

proposed CETP project of 4 MLD Capacity at RS. No. 14/9, 11/1, 13/5, 13/2, 14/7, 13/3, 13/4, 14/8 of Aandikulam Village, Bhavani Taluk, Erode District, Tamilnadu

2. The project/activity is covered under Category "B1" of Item 7(h) "Common Effluent Treatment Plants (CETPs)" of the Schedule to the EIA Notification, 2006.

The proposal was placed in the 123rd SEAC Meeting held on 21.12.2018. The proponent made a presentation about the project proposal. Based on the presentation made by the proponent and the documents furnished, the committee decided to defer the proposal for want of following details:

1. The commitment letter from the member units for the utilization for the brine solution generated from the process of CETP.
2. Detail of co-processor who will be buying the Sodium Sulphate generated from the process of CETP.
3. Chemical Characteristics of effluent receiving from the member unit shall be furnished.
4. Raw material characteristic of the briquette/coal will be utilized as fuel in the boiler and the toxic gases analysis of emission from the burning of briquette/coal.
5. For the proposed CETP design and functioning techno - economic feasibility report shall be vetted by the reputed government institutions.

6. Details of adequate solid waste storage area like space requirement. Under what conditions it will be stored and how it will be managed . Detailed methodology for handling and storing of solid waste shall be furnished.
7. New evaporation/ condensation technology should be certified from NEERI/IIT/ mechanical qualified processed persons.
8. Details of content of the different dyes used and test report on complete spectrum toxic chemicals shall be conducted and test report shall be furnished.
9. Details of technical and scientific report for removal of toxic element or carcinogenic elements from CETP after treatment.
10. The technology used for evaporation, condensation and distillation, ZLD need to be vetted by the reputed academic institutions.

Agenda No. 123-13:

Proposed construction of residential group development by M/s. Casa Grande Coimbatore LLP at S.Nos. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi village, Coimbatore North Taluk, Coimbatore District, Tamilnadu - For Environment Clearance

(SIA/TN/NCP/87837/2018)