

**Agenda No.129-06 :**

**(File No. 6636/2018)**

Proposed production of Linear Alkyl Benzene Sulphonic Acid (LABSA), Alpha Olefin sulphonate , Sodium Lauryl sulphate & sodium lauryl ether sulphate by M/s. Detergeo Chem Private Limited by New India Group at plot No. F-52, SIPCOT industrial complex, Karumbukuppam Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu – for Environmental Clearance

**(SIA/TN/IND2/30139/2018)**

The proposal was placed in the 124<sup>th</sup> SEAC Meeting held on 01.04.2019. The project proponent gave a detailed presentation on the salient features of the project and informed that:

1. The project is located at
  - a) 13°24'48.91"N Latitude, 80°6'44.10"E Longitude
  - b) 13°24'48.20"N Latitude, 80°6'47.28"E Longitude
  - c) 13°24'46.92"N Latitude, 80°6'46.90"E Longitude
  - d) 13°24'47.68"N Latitude, 80°6'43.56"E Longitude
2. The total plot area is 4048 sq.mts (0.4048 hectares).The break up details for the building are as follows :
  - a. Production shed – 1400 sq.m
  - b. UG Water Tank/Cooling towers – 96 sq.m
  - c. Sulphur Yard – 80 sq.m
  - d. Tank Farm – 336 sq.m
  - e. DG/Electrical (G+1) – 54 sq.m
  - f. Repair Workshop – 36 sq.m
  - g. Store/office/LAB/Canteen – 105 sq.m
  - h. ETP/Septic Tank – 60 sq.m
  - i. Car Parking – 36 sq.m
  - j. Green belt area – 1336 sq.m
  - k. Roads – 509 sq.mTotal area – 4048 sq.m

  
CHAIRMAN  
SEAC-TN  


3. The green belt is 1336 Sq.m(33 % of the total area).
4. Raw material requirements:
  - a. Linear Alkyl Benzene – 90 TPD
  - b. Alpha Olefin – 90 TPD
  - c. Lauryl Ether – 90 TPD
  - d. Lauryl Alcohol – 90 TPD
  - e. Sulphuric Acid 98% – 10TPD
  - f. Caustic soda Liquid– 10 TPD
  - g. Sulfur – 13 TPD
5. Source of water is from SIPCOT. The total water requirement is 155kLD and the break up are as follows:
  - a. Process utilization –2kLD
  - b. Boiler make up -23kLD
  - c. Cooling tower make up -122kLD
  - d. Alkali Scrubber - 5kLD
  - e. Domestic –2kLD
  - f. Gardening - 1kLD
6. The domestic sewage to be generated will be 1.6kLD. The domestic sewage will be treated through septic tank and soak pits.
7. Effluent generated from the process is 5.1kLD. Treated Effluent plant of capacity 5kLD @ the rate of 1 m<sup>3</sup>/hr with 5hrs of service cycle.
8. Resource requirement:
  - a. Power and fuel requirement –787.5 kVA
  - b. Power back up through DGs – 630 KW (backup)
  - c. Man Power –29
9. Solid waste Management (after Enhancement)  
Hazardous
  - a. Used or spent Oil – 25l/year (used within premises as a lubricant/ sell to registered recycler)
  - b. Sulphur Sludge – 0.5 MT/year ( given to authorized waste disposable facility charges: 17,000/MT)

- c. ETP waste – 1 MT/year( given to authorized waste disposable facility charges: 17,000/MT)

Non Hazardous

- a. Food and Garbage – 5 kg/day ( in SIPCOT/Municipal vehicle or vermin compost)  
b. Wooden and Packaging – 100 kg/year (Scrap dealer/Collector)  
c. Palstic scrap – 500 kg/year (Scrap dealer)  
d. MS scrap – 2000 kg/year (Scrap dealer)

The SEAC noted the following:

1. The project proponent Detergeo Chem Private Limited by New India Group has applied for seeking environmental clearance with EIA report to SEIAA-TN on 06.12.2018 for Detergeo Chem Private Limited by New India Group at plot No. F-52, SIPCOT industrial complex, Karumbukuppam Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu
2. The project/activity is covered under Category “B1” of Item 5(f) “Synthetic Organic Chemical” of the Schedule to the EIA Notification, 2006.
3. The proponent has applied ToR to MoEF&CC through online on 25.08.2018 in the name of M/s. New India Group and standard ToR was issued to the said unit vide No.IA-J-11011/267/2018-IA-II(I) dated 29.09.2018 with public hearing.

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 Standard Terms of Reference issued by MoEF&CC vide No.IA-J-11011/267/2018-IA-II(I) dated 29.09.2018 was in the name of M/s. New India

  
CHAIRMAN  
SEAC-TN  


- Group. But, the proponent has submitted EIA report in the name of Detergeo Chem Private Limited. Hence, the proponent is requested to clarify.
2. Further, the standard ToR was issued with public hearing by the MoEF vide No.IA-J-11011/267/2018-IA-II(I) dated 29.09.2018. But, the proponent has not submitted minutes of the public hearing. It is requested to submit the same.
  3. On receipt of the above details, the projects would be re considered for appraised for EC.

The project proponent has submitted a letter dated 25.03.2019 received by SEIAA on 29.03.2019 informing that the proponent has approached MoEF& CC for Tor Amendment and MoEF& CC stating that public hearing is not required for the projects /activities inside industrial estate and parks which was granted ToR as per the MOEF&CC O.M dated 27.04.2018 and submit the proposal for EC accordingly.

The proposal was placed in the 129<sup>th</sup> SEAC meeting held on 17.05.2019. The SEAC decided to seek following details from the project proponent:

1. Copy of the Permission letter from SIPCOT for supply of water.
2. Furnish the Stoichiometry equation for each product with mass balance.
3. MSDS report for the each product should be tested by the competent authority for each products and report should be submitted.
4. Details of EIA attracting units especially chemical industries in the SIPCOT and their total impact shall be assessed and furnished. Further, the proponent has informed that a small building in exist in the premises. Hence, demolished plan shall be submitted by the proponent as per the construction and demolition rules, 2016 and impact of the same shall be analysis and reported.
5. Green belt should be revised considering the green belt all around the periphery of the project site.
6. Detailed note on each product should be prepared including the green chemistry approach to reduce the toxic inputs, waste water generation and waste generation.

7. Water Balance furnished is incorrect. Hence, the project proponent is requested to provide the correct water balance diagram as per MoEF & CC guidelines.
8. It was reported that sewage generation will be 5.1 kLD and it will be treated in the STP of capacity 5 kLD. Practically it is not possible. Hence, the project proponent is request to revise the capacity of the STP.
9. Details of the actual baseline data shall be furnished including the methodology adopted, timeline, etc
10. It was reported that the treated water will be reused for process application and floor washings and further, it was reported that the treated water from ETP will be reused for Alkali Scrubber. It is requested to furnish the break up details for the treated water from ETP.
11. Surface water and ground water analysis should be done through reputed institution/ laboratories for atleast 4 samples.
12. Make up water requirement shall be clearly indicated.
13. Raw material report on impurities shall be tested and reported.
14. Characteristics of each waste for each product shall be furnished.
15. Detail of Air quality modeling shall be furnished.
16. ETP design details with methodology.
17. Similar technology followed by the other industries for the proposed project.
18. Distance between the Pulicut bird sanctuary to the proposed project site with clear Google image.
19. The proponent shall furnish the CER proposal for the amount of Rs.30Lakhs as per the MoEF&CC Office Memorandum dated 01.05.2018

It is requested to submit the above said details. After the receipt of the above said details, the project proponent is requested for re-presentation before the SEAC.

  
CHAIRMAN  
SEAC-TN  
