

STATE EXPERT APPRAISAL COMMITTEE - TAMIL NADU

Minutes of the 122nd Meeting of the State Expert Appraisal Committee (SEAC) held on 10th December 2018 for Appraisal of Synthetic Organic Chemicals ,Building and Construction Projects, Cement plants , Townships and Area Development projects, Isolated storage & handling of hazardous chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 & 3 of MSIHC Rules 1989 amended 2000) & Common Biomedical Waste Treatment Facility at Conference Hall, 2nd floor (down), Panagal Maligai, Saidapet, Chennai.

Agenda No. 122-01:

Proposed New Pharmaceutical Multiproduct / API Manufacturing facility (Proparanolol HCL- 50 TPA, Atenolol - 45 TPA, Bronopol - 48 TPA) by M/s. Sai Supreme Chemicals at SIPCOT Industrial Complex, Plot No.F 7 Survey No. 21/1, Part of New Gummidipoondi Village & part of Karumbukuppam village, Gummidipoondi Taluk, Thiruvallur District- for Environmental Clearance

(SIA/TN/IND2/28238/2017)

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°24'33.44"N Latitude, 80°6'50.45"E Longitude
 - b) 13°24'33.23"N Latitude, 80°6'52.99"E Longitude
 - c) 13°24'31.26"N Latitude, 80°6'52.82"E Longitude
 - d) 13°24'31.31"N Latitude, 80°6'50.28"E Longitude

2. The total site area is 4208.73 sq.mts and the factory built up area is 1381.85 sq.m. The break up details for the building are as follows for the existing and the proposed :

Existing

- a. Existing warehouse - 511.78 sq.m
- b. Existing Panel room - 61.68 sq.m

Proposed

- c. Main Factory Building - 145.3 sq.m
- d. Utility Extension - 18.28 sq.m
- e. Toilet Block - 20.21 sq.m
- f. ETP - 609.6 sq.m
- g. Solvent Tank - 15 sq.m

Total - 1381.85 sq.m

3. The green belt is 1435.18 Sq.m(34.11% of the total area).
4. Proposed products Capacity :
- a. Propranolol Hydrochloride - 50 TPA
 - b. Atenolol - 45 TPA
 - c. Bronopol - 48 TPA
5. Raw material requirements:

Propranolol HCL IP (50 TPA)

- a. Alpha Naphthol - 25 TPA
- b. Epichlorohydrin - 15.71 TPA
- c. Sodium Hydroxide - 125 TPA
- d. Mono isopropyl amine 70% - 14.29 TPA
- e. Hydrochloric acid 32% - 18.86 TPA
- f. Mix Xylene - 18 TPA
- g. Acetone - 16 TPA

Atenolol (45 TPA)

- a. Para Hydroxy phenyl acetamide -27.27 TPA
- b. Epichlorohydrin - 17.46 TPA
- c. Sodium Hydroxide - 7.5 TPA
- d. Mono isopropyl amine 70% - 16.36 TPA

e. Charcoal - 0.68 TPA

Bronopol (48 TPA)

a. Bromonitromethane - 33.6 TPA

b. Formaldehyde - 14.4 TPA

c. Sodium Hydroxide - 0.096 TPA

6. Source of water is from SIPCOT. The total water requirement is 10.9 KLD and the break up are as follows:

a. Process utilization - 2 KLD

b. Boiler - 1 KLD

c. Washing of reactors - 1 KLD

d. Cooling tower utilization - 0.7 KLD

e. For Scrubber - 0.1 KLD

f. Domestic purpose - 1.1 KLD

g. For Green belt - 5 KLD

Total - 10.9 KLD

7. The domestic sewage that would generate is approximately 0.8 KLD. It will be treated through Sewage Treatment Plant with capacity of 1 KLD.

8. STP recycled water (0.6 KLD) will be used for Greenbelt development.

9. Effluent generated from the process is 2.4 KLD treated in Effluent Treatment Plant.

10. Treated water 2 KLD from the ETP will be used for utilities purpose.

11. Remaining rejects 0.4 KLD from the reverse osmosis will be disposed through solar pond.

12. Power requirement:

Power and fuel requirement - 74.57 KVA

Power back up through DGs - 1x40 kVA, 1x60 KVA

13. It is proposed to have a boiler of capacity 1x600 kg/hr

14. Solid waste:

Municipal solid waste: Inorganic waste - 7.5 kg/day

Organic waste - 5 kg/day

15. Details of Hazardous waste :

- a. Used oil/waste oil - 1 TPA - Disposed to authorized recycler
- b. Process waste - 28.1 TPA - Disposed for incineration at common TSDF facilities
- c. Spent solvents - 28.5 TPA - Disposed to Authorized Recycling Agencies
- d. Discarded Containers - 33.3 TPA - Disposed to Authorized Recycling Agencies
- e. ETP sludge - 0.7 TPA - Disposal at common TSDF facilities.
- f. Spent carbon - 0.576- Disposed to Authorized Recycling Agencies
- g. Packaging material - 1.5 TPA - Disposed to Authorized Recycling Agencies
- h. Sodium chloride - 25 TPA - Sold as a byproduct.

16. The project site is located at a distance of 3.94 km (N) from Pulicat Bird Sanctuary.

The SEAC noted the following:

The project proponent was accorded Terms of Reference by SEIAA-TN for the above said proposal, As per MoEF &CC, OM Dated 07.12.2014 & 04.04.2016, Public Hearing is not required, as the project is located in a designated SIPCOT industrial estate vide letter No.SEIAA-TN/F.No.6459/2017/5(f)/SOC/ToR-299/2017 dated: 18.01.2018.

- 1. The project proponent M/s. Sai Supreme Chemicals has applied for seeking environmental clearance with EIA report to SEIAA-TN on 13.06.2018 for proposed new pharmaceutical multiproduct / API manufacturing facility (Proparanolol HCL- 50 TPA, Atenolol - 45 TPA,



CHAIRMAN, SEAC-TN

Bronopol - 48 TPA) by M/s. Sai Supreme Chemicals at SIPCOT Industrial Complex, Plot No.F 7 Survey No. 21/1, Part of New Gummidipoondi Village & part of Karumbukuppam village, Gummidipoondi Taluk, Thiruvallur District

2. The project/activity is covered under Category "B1" of Item 5(f) "Synthetic Organic Chemical" of the Schedule to the EIA Notification, 2006.

The proposal was placed in the 122nd SEAC Meeting held on 10.12.2018. The proponent made a presentation about the project proposal. Based on the presentation made by the proponent and the documents furnished for the project M/s. Sai Supreme Chemicals at SIPCOT Industrial Complex, Plot No.F 7 Survey No. 21/1, Part of New Gummidipoondi Village & part of Karumbukuppam village, Gummidipoondi Taluk, Thiruvallur District under Schedule S.No. 5(f) of Category "B" - Synthetic Organic Chemicals the committee instructed to furnish the following details to SEAC:

1. NBWL clearance is mandatory since the project site is within 10km from Pulicat Bird Sanctuary.
2. Details of EIA attracting units especially chemical industries in the SIPCOT and their total impact shall be assessed and furnished.
3. Green belt should be revised considering the green belt all around the periphery of the project site.
4. Detailed note on API (Active Pharmaceutical Index) should be prepared including the green chemistry approach to reduce the toxic inputs, waste water generation and waste generation.

5. Water Balance furnished is incorrect. Hence, the project proponent is requested to provide the correct water balance diagram as per MoEF&CC guidelines.
6. Details of the actual baseline data shall be furnished including the methodology adopted, timeline, etc
7. Surface water and ground water analysis should be done through reputed institution/ laboratories for atleast 4 samples.
8. Safety measures provided for the solvent and risk analysis for the solvent handling and emergency plan in case of leakage of solvents shall be furnished, as the industry is planning to have the underground solvent storage .
9. Plan for elevated solar Evaporation pan above ground level of 1m shall be furnished
10. RO reject shall be stored in the intermediate storage tank during rainy seasons.
11. Details of Modelling of air quality within the project and surrounding the project shall be furnished.
12. Details of STP technology shall be furnished.
13. Details of each components of ETP shall be furnished.
14. Signature compound that may be present in the effluent shall be identified and provisions need to be provided for the removal of the same in the ETP.
15. Provision for monitoring for effluent shall be furnished.

After receiving the aforesaid details the SEAC will decide further course of action.



CHAIRMAN, SEAC-TN