STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the 126th Meeting of the State Expert Appraisal Committee (SEAC) held on 26 February 2019 for Appraisal of Synthetic Organic Chemicals, Metallurgical Industries projects, Building and Construction Projects, 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) at Conference Hall, 2nd floor (down), Panagal Maligai, Saidapet, Chennai.

Agenda No. 126-01:

(File No. 6718/2019)

Proposed Construction of 832 Nos. of Tenements at S.F. NO. 2/1 part of Nallangoundampalayam Village, Erode Taluk & District by Tamil Nadu Slum Clearance Board - for Environmental Clearance.

(SIA/TN/NCP/94555/2019)

The proposal was placed in the 126th SEAC Meeting held on 26.02.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. The project is located at 11°25'13.5"N latitude and 77°39'34.4"E longitude.
2. The project is new construction of tenements and the construction activities are not started.
3. The total plot area is 28,975.49 Sq.m, FSI area is 1.06 and total built up area is 30,883.72 Sq.m. The project will comprise of 17 Blocks with G+3 floors each. . The overall height of the building is 14 m.
4. The land use classification of the project is Educational use zone as per " Chithode New Town Development Authority".
5. During operation phase, the fresh water requirement will be 379 kld which will be met from TWAD Board.

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6. Water balance :

- Grey water generated from the project will be 341 kld will be treated in Grey water treatment plant having capacity of 350 kld and the treated grey water of 189 KLD will be recycled for toilet flushing and remaining 152 kld will be sent to treated water tank.
- Sewage generation will be around 189 kld which will be treated in the STP (MBBR Technology) having capacity of 200 kld and the treated sewage of 189 kld will be sent to treated water tank.
- The remaining treated grey water of 152 kld and treated sewage of 189 kld, Totalling about 341 kld. In which 20 kld will be used for gardening and remaining 321 kld will be used for irrigation in nearby agricultural lands.

7. About 2101 kg/day of municipal solid waste will be generated from the project. The biodegradable waste of 1261 kg/day will be processed in Organic waste convertor (OWC) and the non- biodegradable waste of 840 kg/day will be handed over recyclers. STP Sludge of about 50 kg/day will be used as manure in green belt development.
8. The total power requirement during operation phase is 1290 KVA which will be met from Tamil Nadu Generation & Distribution Corporation Ltd. As a backup power the proponent proposed to provide D.G.set of capacity 160 KVA along with stack, the diameter of the stack will be 0.15 m and proposed to provide stack height of 16.5 m from the ground level.
9. Rooftop rainwater of buildings will be collected in 6 Nos of 50 cu.m (each).Rain water harvesting tank of total 300 kld capacity for harvesting after filtration. About 17 No of RWH pits will be provided to recharge the rainwater.
10. Parking facility will be provided in an area of 1204 Sq.m.
11. No Reserve Forest is located within 10 Km from the project site.
12. NBWL Clearance and Forest Clearance are not required.
13. No Court Case is pending against the project.
14. Cost of the project is about Rs. 73.72 Crores.

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The SEAC noted the following:

1. M/s. Tamil Nadu Slum Clearance Board has applied for Environment clearances to SEIAA on 07.02.2019 for proposed construction of 832 Nos. of Tenements at S.F. NO. 2/1 part of Nallangoundampalayam Village, Erode Taluk & District by
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the committee instructed the project proponent to furnish the following details:

a. During presentation the land use classification around the project site for 5 km and 10 km presented by the proponent were not clear. Hence, the proponent was requested to submit the clear land use classification showing clearly the salient features around the project site for 5 km and 10 km presented separately.
b. Proposal for the solar energy utilization. The proposal should cover atleast for 10% of total energy utilization.
c. The water balance submitted for the grey water treatment and sewage treatment plant is not balanced. The TNSCB shall revise and submit with correct water balance for grey water treatment and Sewage treatment plant with proper disposal mechanism for toilet flushing by providing dual piping/ plumbing system.
d. The rain water harvesting calculation should be revised as per the Central Ground Water Board (CGWB) guidelines.

The project proponent has submitted the aforesaid details (1 to 4) on the same day of the SEAC meeting. After perusal of the details, the SEAC decided to recommend the proposal to SEIAA-TN for the grant of Environmental Clearance and stipulated the following specific conditions in addition to the normal conditions:

1. The excess treated grey water and treated sewage after meeting the standards prescribed by the CPCB will be utilized for irrigation of nearby agricultural land. Hence, the proponent has to get necessary

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permission/agreement for 10 years from users of the treated water for agricultural purpose and the same shall be submitted to TNPCB before obtaining CTO.

2. Detailed storm water management plan considering the project site and the surrounding area to be prepared and may be furnished to SEIAA.
3. The height of the stack of DG sets shall be provided as per the CPCB norms.
4. Solar energy should be atleast 10% of total energy utilization.
5. The Land use and socio economic details should be submitted by the project proponent before obtaining EC from SEIAA as committed.
6. The proponent has to provide rain water harvesting sumps of 8 Nos of 50 Cu.m each with a diameter of 1 meter & 1.5 m depth as committed.
7. The purpose of Green belt around residential buildings is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wild range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture university. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. If possible Miyawaki method of planting i.e planting different types of trees at very close escapement may be tried which will give a good green cover. A total of 15% of the plot area should be designated for green belt which should be raised along the boundaries of the plot and in between blocks in an organized manner.
8. Detail of Solid Waste management plan shall be prepared as per Solid waste management Rules, 2016 and same shall be furnished.
9. For CER: The project proponent shall allocate and utilize the CER fund of Rs. 36.86 Lakhs (0.5% of the total project cost of Rs. 73.72 Crores) totally as

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committed as per MOEF & CC OM dated: 01.05.2018 before applying for CTO from TNPCB.

Agenda No. 126-02:

(File No. 6713/2019)

(SIA/TN/NCP/92969/2019)

Proposed construction of residential building by M/s. Ramu & Co., at S.F.No.1646/3 in Alwarpet Village, Mylapore Taluk, Chennai district, Tamil Nadu – For Environment Clearance.

The proposal was placed in the 126th SEAC Meeting held on 26.02.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. The total plot area of the project is about 8154.77 sq. m, where a block with 2 Basement floor + Silt + 2 floors parking Floors + 16 Floors with a build up area of 69150.31 sq. m.
2. The project is located at 13°02'11.49" N Latitude, 80°15'23.26" E Longitude.
3. This proposal comprises of 124 dwelling units with population of about 930 Nos.
4. The daily fresh makeup water requirement is 90 KLD to be sourced from CMWSSB will be used for domestic purpose.
5. The sewage generated from the project will be 117 KLD . The Sewage will be treated in the STP of 130 KLD capacity and the treated sewage of 117 KLD, out of 117 kld of treated sewage , 40 KLD will be used for toilet flushing, 5 KLD will be used for Greenbelt & 72 KLD will be sent to Storm Water Drain.
6. Total numbers 376 numbers of cars parking and 376 numbers of two wheeler parking with 18725.33 sq.m of area allotted in 2 Basements + Stilt + 2 floors.
7. 2000 KVA of power is required which is sourced from TANGEDCO, back-up power supply is through 2 nos of 1000 KVA DG set with a stack height of 74.3 m.

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