4. Detailed storm water management plan considering the project site and the surrounding area to be prepared and shall be furnished to SEIAA.
5. The height of the stack of DG sets shall be provided as per the CPCB norms.
6. Solar energy should be atleast 10% of total energy utilization. Further the proponent shall use solar panels for all the street lights proposed inside the premises. Accordingly, the proposal shall be submitted before placing the subject to SEIAA.
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.
8. For CER: The project proponent shall submit the proposal for the utilization of CER fund of Rs. 70.3 Lakhs (0.5% of the total project cost) as mentioned in the presentation, before placing the subject to SEIAA. The maximum amount of CER should be utilized for restoration of water bodies surrounding the project site.

Agenda No. 129-TA-05:

(File No. 6700/2019)

Proposed Construction of 1404 MSB EWS Tenements at Foreshore Estate in R.S.F. NO. 7581 and 7582, Block No. 48 & 49, Mylapore Village, Mylapore – Triplicane Taluk, Chennai District in the State of Tamil Nadu by M/s. Tamil Nadu Slum Clearance Board - for Environmental Clearance.

(SIA/TN/NCP/90271/2019) dated: 02.01.2019

The proposal was placed in the 127th SEAC Meeting held on 15.03.2019. 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 13°01'57.34"N latitude and 80°16'44.82"E longitude.

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2. The total plot area of the project is 43,000 Sq.m and total built up area of the project will be 52665.75 Sq.m. The project comprises of 13 Blocks with G+4 floors (each) and other facilities like Integrated Child Development Services (ICDS), Ration Shop.
3. The land use of the proposed project site falls under open space and recreational Zone.
4. Total Green Belt area of the proposed project is 6476 Sq.m which amounts to 15.06% of total area.
5. The important water bodies surrounding the project site are listed below
   a. Bay of Bengal is located in 0.2 km from the project site in East Direction.
   b. Adyar River is located in 2.25 km from the project site in South West Direction.
   c. Koovam River is located in 3.70 km from the project site in North Direction.
   d. Buckingham Canal is located in 4.94 km from the project site in North West Direction.

6. Water balance :
   - A total of 639kLD a fresh water will be sourced from CMWSSB.
   - Grey water generated from the project will be 575kLD in which 343kLD will be treated in Grey water treatment plant having capacity of 350kLD and the treated grey water of 320kLD will be recycled for toilet flushing and remaining 23kLD will be used for green belt development and the remaining 232kLD of untreated Grey water will be sent to CMWSSB sewer line.
   - The black water generated from toilet flushing (recycled water) will be sent to the CMWSSB sewer line. A total of 568kLD (232kLD+336kLD) will be sent to the CMWSSB sewer line.

7. About 3.655 TPD solid wastes will be generated in the project. The biodegradable waste (2.193 TPD) will be processed in OWC with a capacity of 2000kg per day and the non-biodegradable waste generated (1.462 TPD) will be handed over to authorized recycler.

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8. Hazardous waste like used oil of 0.2TPA will be generated which will be collected in M.S drums and stored within the premises, will be disposed to authorized processors.
9. The total power requirement during operation phase is 2,480 kVA and will be met from Tamil Nadu Generation & Distribution Corporation Ltd.
10. Power back up through 14 Nos. of 62.5 KVA DG sets with a individual stack of 20.8m from the ground level with a dia of 0.15m each.
11. The Rooftop rainwater of buildings will be collected in RWH tank of 360kLD capacity for reuse.
12. Proposed energy saving measures would save about 6.83% of power.
13. Pallikaranai Marsh Reserve Forest -is located in 9.07 km from the project site in South West direction.
14. NBWL Clearance and Forest Clearance are not required.
15. No Court Case is pending against the project.
16. Cost of the project is Rs. 152 Crores.

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Slum Clearance Board has applied for EC to SEIAA-TN on 03.01.2019 for the Proposed Construction of 1404 Nos. of Tenements at S.F. No. 7581 and 7582, Block No. 48 & 49, Mylapore Village, Mylapore – Triplicane Taluk, Chennai, Tamil Nadu.
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.
3. The project site is located 0.2km from the Bay of Bengal from the Eastern Direction. Since the project area falls in CRZ–II, the proponent has obtained CRZ clearance under CRZ Notification 2019 vide Proc.No.P1/379/2019 dated: 08.03.2019.

Based on the presentation made by the proponent and the documents furnished, the SEAC decided that the proponent would furnish the following details:

1. During presentation the proponent has informed already old buildings were demolished in the project site for site clearances. Hence, the proponent was request to furnish the details like built up area, disposal

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mechanism of the demolished debris etc. Photograph of the existing buildings/certificate for demolishing. Further, the proponent has to inform whether demolish of old building was carried out as per the construction demolishing rules 2016.

2. Copy of the Permission letter from CMWSSB for the fresh water supply.
3. The proponent has informed that the disposal of excess sewage to CMWSSB sewer line. Hence, the proponent is requested to explore the possibilities of utilizing the excess treated sewage instead of leading out to CMWSSB sewer line and also in view of the acute water shortage in Chennai area. Accordingly the water balance shall be revised.
4. Detailed flood management plan considering the flood risk of project site and the surrounding area to be prepared and may be furnished to SEIAA.
5. The rain water harvesting calculation should be revised as per the Central Ground Water Board (CGWB).
6. Detail of Solid Waste management plan shall be prepared as per Solid waste management Rules, 2016 and same shall be furnished.
7. Study on ground water, surface water, air quality and traffic shall be conducted in detail including the impact of the project on these environment components and the report shall be furnished.
8. A detailed storm water plan shall be prepared considering the floods occurred in the year 2015 surrounding the environment.
9. A comprehensive emergency plan during the flood periods needs to be evolved and submitted as the area is highly vulnerable for floods in future.
10. The proponent has to earmark the greenbelt entire area with dimension and GPS coordinates for the green belt area on the periphery of the site and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. An undertaking regarding the same shall be furnished in the form of affidavit.

On receipt of the above details, the projects would be reconsidered for appraisal for EC.

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The project has furnished the details on 08.04.2019 to SEIAA-TN. The proposal was placed in the 129th SEAC meeting held on 17.05.2019. After perusal of the details furnished by the project proponent. The SEAC decided to recommend the proposal for grant of Environment Clearances to SEIAA subject to normal condition in addition to following conditions:

a. The project proponent proposed to procure water from the CMWSSB. Hence, the proponent has to get necessary permission from competent authority for the same before obtaining CTO from TNPCB.
b. The project proponent has to get necessary permission from the competent Authority for the disposal of the treated Sewage/ grey water for the marine gardens before obtaining CTO from TNPCB.
c. The height of the stack of DG sets shall be provided as per the CPCB norms.
d. Solar energy should be atleast 10% of total energy utilization.
e. 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 / 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.
f. The layout plan furnished for the greenbelt area earmarked by the project proponent on the periphery of the site and the same shall be submitted for CMDA approval.
g. For CER: The project proponent shall allocate and utilize the CER fund of Rs. 76 Lakhs (0.5% of the total project cost of Rs. 152 Crores) totally as committed as per MOEF & CC OM dated: 01.05.2018 before applying for CTO from TNPCB.

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