

State Expert Appraisal Committee (SEAC)

Minutes of 424th (Part – 1) meeting of the State Expert Appraisal Committee (SEAC) held on 16.11.2023 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Mining projects.

Confirmation of Earlier Minutes

The minutes of the 423rd SEAC meeting held on 15.11.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 424-01


(File No: 10455/2023)

Proposed Construction of Hospital Building at S.F.Nos. 65/1A1B, 65/1F, 65/1G1B, 67/1A1, 67/1A2A, 67/1A2B, 67/1B, 67/2A, 67/2B, 67/2C1, 67/2C2, 67/2C3, 67/2C4, 67/2C5, 67/2C6, 67/2C7, 67/2C8, 67/2C9, 67/2D, 67/3A2A, 69/19A, 69/20A, 69/6A1, 69/16A, 69/16B & 69/17 of Uthamasolapuram Village, Salem South Taluk, Salem District, Tamil Nadu by M/s. Govel Trust – For Environmental Clearance. (SIA/TN/INFRA2/442569/2023, Dated: 26.09.2023)

The proposal was placed for appraisal in this 424th meeting of SEAC held on 16.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The Proponent, M/s. Govel Trust has applied for Environmental Clearance for the Proposed Construction of Hospital Building at S.F.Nos. 65/1A1B, 65/1F, 65/1G1B, 67/1A1, 67/1A2A, 67/1A2B, 67/1B, 67/2A, 67/2B, 67/2C1, 67/2C2, 67/2C3, 67/2C4, 67/2C5, 67/2C6, 67/2C7, 67/2C8, 67/2C9, 67/2D, 67/3A2A, 69/19A, 69/20A, 69/6A1, 69/16A, 69/16B & 69/17 of Uthamasolapuram Village, Salem South Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 8(a) “Building and Construction Projects” of the Schedule to the EIA Notification, 2006, as amended.

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -


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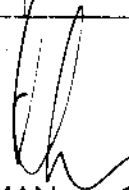
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1. The environmental clearance is sought for Construction of Hospital Building at S.F.Nos. 65/1A1B, 65/1F, 65/1G1B, 67/1A1, 67/1A2A, 67/1A2B, 67/1B, 67/2A, 67/2B, 67/2C1, 67/2C2, 67/2C3, 67/2C4, 67/2C5, 67/2C6, 67/2C7, 67/2C8, 67/2C9, 67/2D, 67/3A2A, 69/19A, 69/20A, 69/6A1, 69/16A, 69/16B & 69/17 of Uthamasolapuram Village, Salem South Taluk, Salem District, Tamil Nadu by the PP M/s. Govel Trust.
2. M/s. Enviro Care India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 29552.00 m² and built-up area is 33877.87 m² respectively.
4. Maximum number of floors will be **B+G+08** and maximum height of the building will be 28.90 m.
5. Total Saleable DU's (dwelling units) is **0**.
6. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	29552.00	SQMT
2	Proposed Built Up Area	33877.87	SQMT
3	Total no of Saleable DU's/Villas	0	No.
4	Max Height - (Height of tallest block)	28.90	M
5	No of Building Blocks (Residential + Community facilities)	2+2 = 4	No.
6	Max No of Floors	8	No.
7	Expected Population (XXX Residential + XXXX Floating)	2609 (312+2297)	No.
8	Total Cost of Project	105.00	CR


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9	Project Activity:	Proposed Hospital Building	
AREAS			
10	Permissible Ground Coverage Area (xx%)	-	SQMT
11	Proposed Ground Coverage Area (20.22%)	5976.60	SQMT
12	Permissible FSI Area (xxx)	-	SQMT
13	Proposed FSI Area	28613.43	SQMT
14	Other Non FSI Areas - including basement area etc.	5264.44	SQMT
15	Proposed Total Built Up Area	33877.87	SQMT
WATER			
16	Total Water Requirement	215.62	KLD
17	Fresh water requirement	151.06	KLD
18	Treated Water Requirement	64.56	KLD
19	Wastewater Generation	172.97 (Sewage - 170.57, Effluent - 2.40)	KLD
20	Proposed Capacity of STP	Hospital STP - 110 KLD Housing STP - 80 KLD	KLD
21	Treated Water Available for Reuse	-	KLD
22	Treated Water Recycled	64.56	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	-	KLD


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RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	40	No.
25	Rainwater Harvesting Pond Capacity	-	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	Two Wheeler - 123 Four Wheeler - 113	ECS
26	Proposed Total Parking	Two Wheeler - 251 Four Wheeler - 292	ECS
27	Parking in Basements	Two Wheeler - 141 Four Wheeler - 109	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	7793.02 (26.37%)	SQMT
	Total area	29552.00	SQMT
	Number of trees to be planted	425	No.
	Number of trees to be transplanted/cut	-	No.
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	0.662	TPD
30	Organic waste	0.313	TPD
31	Mode of Treatment & Disposal	Organic Waste Converter	TPD
32	Quantity of Sludge Generated from STP & Disposal	40.00	KG/DAY
33	Quantity of E-Waste Generation & Disposal	0.027	KG/DAY


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34	Quantity of Hazardous waste Generation & Disposal	2.00	LPD
POWER / GREEN POWER			
34	Total Power Requirement	1000	KVA
35	DG set backup	1 No of 250 KVA, 1 No of 500 KVA	KVA
36	No of DG Sets	2	No.
37	Solar Panels – Roof Coverage	50	%
38	Hot Water Requirement	-	-
	Of which met by Solar Panels	-	-

Population details:

POPULATION			
	DU'S	POP/DU	TOTAL POPULATION
Residential			
Total Saleable Du's	-	-	-
Total	-	-	-
Non-Residential	-	-	1700
CLUB house (Employees etc.)	Area		
Club	-	-	-
Commercial	-	-	207
Facility Management Staff	-	-	
Total	-	-	
Visitors	-	-	


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Residential	-	xx% of Residential Population	150
Club/Community Hall	-	xx% of Residential Population	402
Commercial	-	-	207
Total Visitors	-	-	1850
Total Population	-	-	2609
EMP Cost	-	-	112.50 Lakhs
CER Cost	-	-	210.00 Lakhs
Details of CER Activities			
Development activities for Periyar University			100.00
Development activities for Uthamasolapuram Local Panchayat			70.00
Development activities for Alangudi School building, Pudukottai			40.00
Total			210.00

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.


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2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring


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mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.

11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 424-02


(File No: 10462/2023)

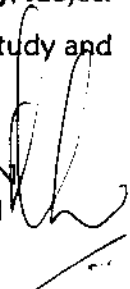
Proposed Construction of Residential Building Complex at S. Nos. 476/14, 476/15, 476/16A1, 476/17B1A1A, 476/17B1B, 476/24A1, 476/25A1 and 476/32, Door No. 295, Rajiv Gandhi Road (Old Mahabalipuram Road) of Sholinganallur -1 Village, Sholinganallur Taluk, Chennai District, Tamil Nadu by M/s. Brigade Enterprises Limited – For Terms of Reference (ToR). (SIA/TN/INFRA2/446459/2023, Dated: 06.10.2023)

The proposal was placed for appraisal in this 424th meeting of SEAC held on 16.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The Proponent, M/s. Brigade Enterprises Limited has applied for Terms of Reference (ToR) for the Proposed Construction of Residential Building Complex at S. Nos. 476/14, 476/15, 476/16A1, 476/17B1A1A, 476/17B1B, 476/24A1, 476/25A1 and 476/32, Door No. 295, Rajiv Gandhi Road (Old Mahabalipuram Road) of Sholinganallur -1 Village, Sholinganallur Taluk, Chennai District, Tamilnadu.
2. The project/activity is covered under category "B" of Item 8(b) "Townships and Area Development Projects" of the schedule to the EIA Notification, 2006.
3. Total land area available is 26,500 Sqm. The total built-up area of the proposal is 2,14,617 Sqm.

Based on the presentation made by the proponent and the documents furnished, SEAC decided to **recommend the proposal for the grant of Terms of Reference (TOR)**, subject to the following TORs, in addition to the standard terms of reference for EIA study and


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details issued by the MOEF & CC to be included in EIA/EMP Report:

1. **The Proponent shall examine whether the project site attracts CRZ clearance. If so, the PP shall apply and obtain CRZ clearance for the proposed activity.**
2. The PP shall furnish soil test report by taking sample at a depth of 3m and it should be analysed in NABL accredited lab.
3. The PP shall ensure that the OSR area is not included in the activity area and green belt area.
4. The PP shall explore the possibility of increasing green belt. In this regard, the PP shall incorporate the additional green belt area in the layout and revise the EIA Report.
5. The proponent shall ensure the proposed development meets green building norms and shall obtain a minimum of IGBC Gold ranking.
6. The proposal for utilization of at least 50% of Solar Energy shall be included in the EIA/EMP report.
7. The proponent shall furnish the detailed sewage treatment technology available and also furnish the design details of the STP treatment system.
8. The proposal to construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall ecosystem.
9. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
10. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.


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11. Commitment letter from competent authority for supply of water shall be furnished.
12. Copy of the village map, FMB sketch and "A" register shall be furnished.
13. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
14. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
15. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
16. Details of the E-waste management plan shall be prepared as per E-waste Management Rules,2016 and shall be furnished.
17. Details of the rain water harvesting system with cost estimation should be furnished.
18. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the water bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
19. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
20. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.


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21. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
22. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
23. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

Agenda No.424 - 03

File No. 1821/2021

Extension of validity for Environmental Clearance for the construction of residential Apartments at S.No 299/1A, 1B, 2A, 2B, 3A, 3B, 3C, 4B, 300/1,2,3,4,5,6,7,8,9,10, 301/1, 2,3,4,5,6,7,8,9,10,12A, 12B in Pudupakkam Village & S.No. 611B/1A, 2, 3A, 3B, 4B & 612B in Padur village, Chengalpet Taluk, Kancheepuram District Tamil Nadu for the total built up area of 2,11,823.81 Sq.m by M/s. Puravankara Limited – Extension of validity for Environmental Clearance. (SIA/TN/MIS/295419/2022 Dt: 20.12.2022)

Earlier, the proposal was placed in the 378th SEAC Meeting held on 11.05.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The Proponent, M/s. Puravankara Limited obtained environmental clearance Letter No. SEIAA-TN/F-1821/EC/8(b)/365/2013 dated 24.12.2014 for the construction of residential Apartments at S.No 299/1A, 1B, 2A, 2B, 3A, 3B, 3C, 4B, 300/1,2,3,4,5,6,7,8,9,10, 301/1, 2,3,4,5,6,7,8,9,10,12A, 12B in Pudupakkam Village & S.No. 611B/1A, 2, 3A, 3B, 4B & 612B in Padur village, Chengalpet Taluk, Kancheepuram District Tamil Nadu for the total built up area of 2,11,823.81 Sq.m comprising of Common Basement in Club House and partially in Block A1, A2, A3, B1, B2, B3, B4. Block A1, A2, A3 comprises of Stilt + 18 Floors each. Block B1, B2, B3, B4 comprises of Stilt + 16 Floors each. Block C1, C2, C3, C4, C5, C6, C7, C8 comprising of Stilt + 16 Floors each. Block D1, D2, D3 comprising Stilt+ 14


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Floors, Club House comprising Ground+ 2 Floors with total number of Dwelling units 1716 units.

2. Now, the PP vide its letter Dt: 14.12.2022 & submitted form -6 vide proposal no. SIA/TN/MIS/295419/2022 Dt: 20.12.2022 has requested for extension of validity for Environmental Clearance Letter No. SEIAA-TN/F-1821/EC/8(b)/365/2013 dated 24.12.2014 and stated reason that they are yet started with the construction as it has got delayed due to fluctuation in market conditions and lockdown.
3. MoEF&CC vide OM F. No. 22-27/2015-IA-III Dt:12.04.2016.
4. MoEF&CC Notification vide S.O. 221(E) & Dt:18.01.2021 the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19).
5. MoEF&CC vide OM F.No.1A3-22/28/2022-1A.111 Dt: 13.12.2023.

Based on the presentation and documents furnished by the project proponent. SEAC decided to recommend Extension of validity up to 23.12.2025 for the Environmental Clearance issued vide Letter No. SEIAA-TN/F-1821/EC/8(b)/365/2013 dated 24.12.2014 subject to following conditions

1. The PP shall adhere to the design of the proposed development shall meet green building norms regard to minimum of IGBC Gold ranking.
2. The PP shall ensure operation of STP& OWC on BOT basis for 10 Years.
3. The PP shall utilize at least 50% of roof top area for harnessing Solar Energy for common area lighting and Solar water heater before obtaining CTO from TNPCB.

All the conditions mentioned in the Environmental Clearance issued vide Lr. No. SEIAA-TN/F-1821/EC/8(b)/365/2013 dated 24.12.2014 will remain unchanged and unaltered. Subsequently, the proposal was placed in the 625th Authority meeting held on 01.06.2023. The Authority noted that the PP has obtained earlier EC vide Lr. No. SEIAA-TN/F-1821/EC/8(b)/365/2013 dated 24.12.2014 in the name of M/s. Puravankara Projects Limited but now the PP has applied for extension of validity of EC in the name


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of M/s. Puravankara Limited.

In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC in regard to remarks and recommendation for name change in addition to the recommendation of SEAC for extension of validity of EC up to 23.12.2025 vide 378th SEAC meeting held on 11.05.2023.

The proposal was again placed in this 404th meeting of SEAC held on 25.08. 2023. During the meeting the Committee noted that the project proponent was absent for the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Subsequently, the subject was placed in the 655th authority meeting held on 19.09.2023. The authority noted that the remarks of the 404th SEAC meeting held on 25.08.2023. In view of the above, the authority noted the 404th SEAC meeting held on 25.08.2023.

The proposal was again placed in this 424th meeting of SEAC held on 16.11. 2023. During the meeting the Committee noted that the project proponent has requested for withdraw of this online proposal no. SIA/TN/MIS/295419/2022 Dt: 20.12.2022 seeking extension of validity for Environmental Clearance as per MoEF&CC OM 13.12.2022 stating that their management has planned for EC amendment and modernization of the existing project and informed that they submitted request for withdraw of this proposal through online vide Lr. Dt: 08.08.2023.

Therefore, based on the presentation and documents furnished by the project proponent. SEAC decided to accept and recommend for the project proponents request for withdraw of this online proposal no. SIA/TN/MIS/295419/2022 Dt: 20.12.2022 seeking extension of validity for Environmental Clearance.

Agenda No: 424 - 04

(File No: 10435/2023)

Proposed Shopping Mall with Multiplex Building Project at Survey. No.110/2, Nanjanapuram Village, Erode Taluk, Erode District, Tamil Nadu by Mr. S. Rajesh – For Environmental Clearance. (SIA/TN/INFRA2/444933/2023, dt: 29.09.2023)

The proposal was placed in this 424th Meeting of SEAC held on 16.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged:

1. The environmental clearance is sought for Construction Project at Survey. No.110/2, Nanjanapuram Village, Erode Taluk, Erode District by Mr. S. Rajesh
2. M/s Eco Services India Pvt. Ltd. is the EIA Consultant for the project.
3. Total plot area of the project is 7,700 m² and built-up area is 25,183.44 m² respectively.
4. Maximum number of floors will be B1+B2+G+4 and maximum height of the building will be 27.67 m.
5. Total Saleable DU's (dwelling units) is Nil.
6. The project proposal falls under Category-8(a) of EIA Notification, 2006 (as amended).
7. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	7,700	SQMT
2	Proposed Built Up Area	25,183.44	SQMT
3	Total no of Saleable DU's/Villas	0	No.
4	Max Height - (Height of tallest block)	27.67	M
5	No of Building Blocks (Residential + Community facilities)	1	No.
6	Max No of Floors	4	Nos.
7	Expected Population (Visitors – 7,340 Nos. & Maintenance Staff – 367 Nos.)	7,707	Nos.


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8	Total Cost of Project	45.20	CR
9	Project Activity:	Shopping Mall with Multiplex	
AREAS			
10	Permissible Ground Coverage Area (50 %)	3,850	SQMT
11	Proposed Ground Coverage Area (49.17%)	3,786	SQMT
12	Permissible FAR Area	19,250	SQMT
13	Proposed FAR Area	15,362	SQMT
14	Other Non FAR Areas - including basement area etc.	9,821.44	SQMT
15	Proposed Total Built Up Area	25,183.44	SQMT
WATER			
16	Total Water Requirement	213	KLD
17	Fresh water requirement	75	KLD
18	Treated Water Requirement	138	KLD
19	Wastewater Generation	141	KLD
20	Proposed Capacity of STP	160	KLD
21	Treated Water Available for Reuse	138	KLD
22	Treated Water Recycled	138	KLD
23	Surplus treated water to be discharged in Sewer with Prior permission	Nil	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	10	Nos.
PARKING			


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25	Total Parking Required as / Building Bye Laws	322	ECS
26	Proposed Total Parking	324	ECS
27	Parking in Basements	324	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	1,160	SQMT
	Total area	7,700	SQMT
	Existing trees on plot	Nil	-
	Number of trees to be planted	96	Nos.
	Number of trees to be transplanted/cut	Nil	-
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	2.3	TPD
30	Organic waste	1.4	TPD
31	Quantity of E-Waste Generation- Kg/Day	696	KG/Annum
32	Quantity of Hazardous waste Generation	-	LPD
33	Quantity of Sludge Generated from STP	14	KG/DAY
POWER / GREEN POWER			
34	Total Power Requirement	1500	KW
35	DG set backup	750	KVA
36	No of DG Sets	2	Nos.
37	Solar Panels – Roof Coverage	50	%
38	Hot Water Requirement	100	KW
	Of which met by Solar Panels	50	KW

8. Population details:

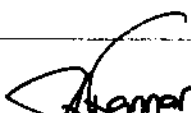

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POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's	-	-	-
Total	-	-	-
Non Residential	-	-	-
CLUB (Employees etc.)	-	-	-
Club	-	-	-
Commercial	-	-	-
Facility Management Staff	-	-	367
Total	-	-	-
Visitors	-	-	7,340
Residential	-	-	-
Club/Community Hall	-	-	-
Commercial	-	-	-
Total Visitors	-	-	-
Total Population	-	-	7,707


EMP Cost	Construction Phase:
	Capital Expenses - Rs. 11 Lakhs
	Operational Expenses – Rs. 16 Lakhs
	Operation Phase:
	Capital Cost: Rs. 110 Lakhs
	Recurring Cost: Rs. 34Lakhs


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CER Cost	Rs. 45 Lakhs		
	Beneficiary	Description of CER Activity	Budgetary Allocation (In Lakhs)
	Government Higher Secondary School, Thindal Village, Erode Taluk, Erode District.	• Construction of New Toilet Block for girls	12.50
		• Providing computers friendly for Children With Special Needs (CWSN), Solar Panels and Smart Board	
	Panchayat Union Primary School, Thindal Village, Erode Taluk, Erode District.	• Installation of Solar Panels	4.50
		• Providing Smart Board and Desktop Computer	
Chikkaiah Naicker Governement Arts College, Sathy Road, Veerappanchatram Post, Erode District.	• Construction of New Toilet and Library Block	18.00	
	• Tree Plantation in the Campus		
Vellode Bird Sanctuary, Vadamugam Vellode Village, Perundurair Taluk, Erode District.	• Replacement of Lights in External areas	10.00	
	• Eco Restoration of the Sanctuary		
Total		45 Lakhs	


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RECOMMENDATION OF THE COMMITTEE


The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. The Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. The Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.


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7. The project proponent should develop green belt in the proposed project as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CER amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF&CC (IRO/SZ) /Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 424-05

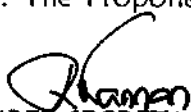
(File No: 10331/2023)

Proposed Expansion of Production Capacity of Textile Finishing Chemicals from 3682.032 TPA to 18,000 TPA at Plot No. 367, SIDCO Industrial Estate (North Phase), SF.No. 144, 152, 153, 161 & 162 of Ambattur Village, Ambattur Taluk, Thiruvallur District, Tamil Nadu by M/s. Beva Silicones Private Limited - For grant of Terms of Reference. (SIA/TN/IND3/425929/2023, dated: 11.08.2023).


The proposal was earlier placed for appraisal in the 409th Meeting of SEAC held on 21.09.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Beva Silicones Private Limited has applied for Terms of


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Reference for the Proposed Expansion of Production Capacity of Textile Finishing Chemicals from 3682.032 TPA to 18,000 TPA at Plot No. 367, SIDCO Industrial Estate (North Phase), SF.No. 144, 152, 153, 161 & 162 of Ambattur Village, Ambattur Taluk, Thiruvallur District, Tamil Nadu.

2. The project/activity is covered under Schedule 5(f) Category 'B'- Synthetic Organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic synthetic organic chemicals and chemicals intermediate)" of the Schedule to the EIA Notification, 2006.

The Proponent vide letter dated 20.09.2023 stating his inability to attend the meeting on the aforesaid date, has requested the Committee to reschedule the appraisal of the proposal. The SEAC agreed for the same and decided to defer the subject to a later date.

Again, the proposal was placed for appraisal in the 419th Meeting of SEAC held on 01.11.2023. The project proponent was absent for the meeting. SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

Now Again, the proposal was placed for appraisal in the 424th Meeting of SEAC held on 16.11.2023. The project proponent was absent for the meeting. SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

Agenda No: 424-06

(File No: 10436/2023)

Proposed construction of Residential Building – Non High Rise Group development at S.F.Nos. 23/1A, 23/1B, 48/1B2, 49/1A, 49/1B, 49/1C2, 49/1D, 50/1A1B, 52/1B & 52/2A2 of Goparasanallur Village, Poonamallee taluk, Thiruvallur District, Tamil Nadu by M/s. LML Homes LLP- For Environmental Clearance (SIA/TN/INFRA2/445283/2023 dated: 22.09.2023).

The proposal was placed in the 424th Meeting of SEAC held on 16.11.2023. The details


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of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. LML Homes LLP has applied for Environmental Clearance for the Proposed construction of Residential Building – Non High Rise Group development at S.F.Nos. 23/1A, 23/1B, 48/1B2, 49/1A, 49/1B, 49/1C2, 49/1D, 50/1A1B, 52/1B & 52/2A2 of Goparasanallur Village, Poonamallee taluk, Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 8(a) “Building and Construction Projects” of the Schedule to the EIA Notification, 2006.

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Proposed Construction of Residential Building – Non High rise group development in S.No. 23/1A, 23/1B, 48/1B2, 49/1A, 49/1B, 49/1C2, 49/1D, 50/1A1B, 52/1B & 52/2A2 of Goparasanallur Village, Poonamallee Taluk, Tiruvallur District, Tamilnadu by the PP M/s LML Homes LLP
2. M/s Ecotech Labs Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is **16,998** m² and built-up area is **49793.07** m² respectively.
4. Maximum number of floors will be 5 Floors and maximum height of the building will be 25 m.
5. Total Saleable DU's (dwelling units) is **373 No's**.
6. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	16998	SQMT
2	Proposed Built Up Area	49793.07	SQMT


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3	Total no of Saleable DU's/Villas		No.
4	Max Height - (Height of tallest block)	22	M
5	No of Building Blocks (Residential + Community facilities)	6 blocks	
6	Max No of Floors	5	No.
7	Expected Population (XXX Residential + XXXX Floating)	2319	No.
8	Total Cost of Project	Rs. 174.41 Crores	CR
9	Project Activity:	Residential building	

AREAS

10	Permissible Ground Coverage Area (xx%)		SQMT
11	Proposed Ground Coverage Area (61%)	10415	SQMT
12	Permissible FSI Area (xxx)		SQMT
13	Proposed FSI Area	39834.07	SQMT
14	Other Non FSI Areas - including basement area etc.	1026	SQMT
15	Proposed Total Built Up Area	49793.07	SQMT

WATER

16	Total Water Requirement	304	KLD
17	Fresh water requirement	189	KLD
18	Treated Water Requirement	112	KLD
19	Wastewater Generation	267	KLD
20	Proposed Capacity of STP	310	KLD
21	Treated Water Available for Reuse	112	KLD


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22	Treated Water Recycled	254	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	142	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	12	No.
25	Rainwater Harvesting Sump Capacity	215	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	445	ECS
26	Proposed Total Parking	445	ECS
27	Parking in Basements		ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	2550	SQMT
	Total area	16998	sqm
	Existing trees on plot	-	-
	Number of trees to be planted	212	No's
	Number of trees to be transplanted/cut	-	-
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	1218	TPD
30	Organic waste	487.2	TPD
31	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and	TPD


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		used as manure for gardening.	
32	Quantity of Sludge Generated from STP & Disposal	14	KG/DAY
33	Quantity of E-Waste Generation & Disposal	-	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	-	LPD
POWER / GREEN POWER			
34	Total Power Requirement	4000	KVA
35	DG set backup	2 No x 500	KVA
36	No of DG Sets	2	No.
37	Solar Panels – Roof Coverage	50%	%
38	Hot Water Requirement	5.8 KLD	
	Of which met by Solar Panels		

Population details:

POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's	373	5 Nos- 2BHK, 6 Nos- 3 BHK	2090
Total	373		
Non Residential			
CLUB house (Employees etc.)	Area	-	-



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Club	-	-	-								
Commercial	-	-	-								
Facility Management Staff	-	-	20								
Total											
Visitors											
Residential	-	10% of Residential Population	209								
Club/Community Hall	-	xx% of Residential Population	-								
Commercial	-	-	-								
Total Visitors											
Total Population			2319								
EMP Cost		Construction phase Capital Cost- Rs. 13.25 lakhs O&M Cost- Rs.4.5 lakhs Operation Phase Capital cost- Rs. 238.94 lakhs Recurring cost- Rs. 25.64 lakhs									
CER Cost		Rs. 175 lakhs									
Details of CER Activities		<table border="1"> <thead> <tr> <th>S. No.</th> <th>CER Activity</th> <th>Capital cost Allocation (in Lakhs)</th> <th>Action Plan</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S. No.	CER Activity	Capital cost Allocation (in Lakhs)	Action Plan					
S. No.	CER Activity	Capital cost Allocation (in Lakhs)	Action Plan								


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1. Construction of Dialysis centre for Public Health Centre-100 Lakhs			
a.	Adi Dravidar Primary school-0.98km, SSE	25	Within 12 months from the commencement of Construction
b.	Government Adidravida welfare Primary school-3.68 km, SE	25	
c.	Government Primary school-0.41 km, NE - 25 Lakhs	25	
Total Cost Allocation		175	

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:


1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. PP shall submit the commitment letter from the local body for supply of fresh water before obtaining EC from SEIAA.



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3. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
4. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
5. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
6. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
7. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
8. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
9. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
10. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
11. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring


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- mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
12. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
 13. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 424-07

(File No: 10457/2023)

Proposed construction of Residential Building with 1008 Dwelling Units at East Cementary Road, S.Nos. 1651/2(p), Block No.23, Tandiarpet, Chennai District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board- For Environmental Clearance. (SIA/TN/INFRA2/445145/2023 dated: 21.09.2023).

The proposal was placed in the 424th Meeting of SEAC held on 16.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Tamil Nadu Urban Habitat Development Board has applied for Environmental Clearance for the Proposed construction of Residential Building with 1008 Dwelling Units at East Cementary Road, S.Nos. 1651/2(p), Block No.23, Tandiarpet, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the document submitted and presentation made by the project proponent along with the consultant, the following facts have emerged

1. The environmental clearance is sought for "Proposed Construction of Residential Building with 1008 Dwelling Units at East Cemetery Road, S. No. 1651/2(P), Block No. 23, Tondiarpet, Chennai District by Tamil Nadu Urban Habitat Development Board.


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2. M/s. ABC Techno Labs India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 17,736.55 sq.m and built-up area is 46,262.83 sq. m respectively.
4. Maximum number of floors will be 4 Blocks – S+9 and maximum height of the building will be 31.2 m.
5. Total Saleable DU's (dwelling units) is 1008 units.
6. Salient features of the project as submitted by the project proponent:

Project Summary			
Sl. No.	Description	Total Quantity	Unit
General			
1	Plot Area	17,736.55	SQMT
2	Proposed Built Up Area	46,262.83	SQMT
3	Total no of Saleable DU's/Villas	1008	No.
4	Max Height - (Height of tallest block)	31.2	M
5	No of Building Blocks (Residential + Community facilities)	4	No.
6	Max No of Floors	S+ 9	No.
7	Expected Population	5,544	No.
8	Total Cost of Project	167.25	Cr.
9	Project Activity	Tamil Nadu Urban Habitat Development Board (TNUHDB) has Proposed Construction of Residential Building with 1008 Dwelling Units at East Cemetery Road, S. No. 1651/2(P), Block No. 23, Tondiarpet, Chennai District. The total built up of area and plot	


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Project Summary			
Sl. No.	Description	Total Quantity	Unit
		area of the proposed project is 46,262.83 Sq.m and 17,736.55 Sq.m respectively.	
Areas			
1	Permissible Ground Coverage Area (70%)	12,415.585	SQMT
2	Proposed Ground Coverage Area (24%)	4,252.63	SQMT
3	Permissible FSI Area (2.8)	49,662.34	SQMT
4	Proposed FSI Area (2.19)	38,788.68	SQMT
5	Other Non FSI Areas - including basement area etc.	7,474.15	SQMT
6	Proposed Total Built Up Area	46,262.83	SQMT
Water			
1	Total Water Requirement	688	KLD
2	Fresh water requirement	688	KLD
3	Treated Water Requirement	21	KLD
4	Wastewater Generation	620	KLD
5	Proposed Capacity of GWTP	25	KLD
6	Treated Water Available for Reuse	21	KLD
7	Treated Water Recycled	21	KLD
8	Untreated water to be discharged in Municipal Sewer with Prior permission	595	KLD
Rainwater Harvesting			
1	Rainwater Harvesting - Recharge Pits	11	No.

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Project Summary			
Sl. No.	Description	Total Quantity	Unit
2	Rainwater Harvesting Sump Capacity	75	M ³
Parking			
1	Total Parking Required as / Building Bye Laws	1109	ECS
2	Proposed Total Parking	1109	ECS
3	Parking in Basements	-	ECS
Green Area			
1	Proposed Green Area (Minimum 15.0% of plot area)	2,602.94	SQMT
2	Total plot area	17,736.55	sq.m
3	Existing trees on plot	-	
4	Number of trees to be planted	260	
5	Number of trees to be transplanted/cut	-	
Solid Waste Management			
1	Total Solid Waste Generation	2,620.8	KG/DAY
2	Organic waste	1,048.32	KG/DAY
3	Mode of Treatment & Disposal	Disposed through GCC	
4	Quantity of Sludge Generated from GWTP	3.6	KG/DAY
5	Quantity of E-Waste Generation & Disposal	-	
6	Quantity of Hazardous waste Generation & Disposal	-	
Power / Green Power			
1	Total Power Requirement	TANGEDCO tuned to 3000	KW

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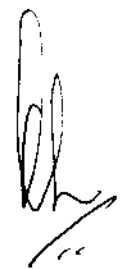
Project Summary			
Sl. No.	Description	Total Quantity	Unit
2	Solar Panels – Roof Coverage	-	%
3	Hot Water Requirement	302400	Lit
	Of which met by Solar Panels	302400	Lit
4	DG set backup	62.50 kVA	KVA
5	No of DG Sets	3	No.

Population Details				
S. No	Description	DU's	POP/DU	Total Population
1	Residential	1008	5	5040
2	Total Saleable DU's	1008	5	5040
3	Total	1008	5	5040
4	Non Residential	-	-	-
5	Club house (Employees eyc.)	-	-	-
6	Club	-	-	-
7	Commercial	-	-	-
8	Facility Management Staff	-	-	-
9	Total			
10	Visitors			504
11	Residential		90%	
12	Club/ Community Hall			
13	Commercial			
14	Total Visitors		10%	504
15	Total Population			5544

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Population Details				
S. No	Description	DU's	POP/DU	Total Population
16	EMP Cost	The EMP capital cost is earmarked as 65.01 lakhs and recurring cost is about 14 Lakhs per annum.		
17	CER Cost	The CER cost of Rs. 25 lakhs is earmarked for the proposed project. The amount shall be spent for the construction of Library, Gym & Creche within the site. Action plan- Within 12 months from the date of issue of EC		

RECOMMENDATION OF THE COMMITTEE

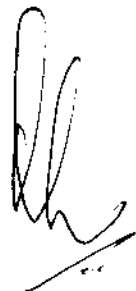
The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Silver rating.
2. PP shall submit the commitment letter from the local body for supply of fresh water and disposal of waste water before obtaining EC from the SEIAA.
3. 50% of the roof area should be covered with Solar panels. Provision of hot water shall be met through solar water heaters.
4. GWTP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.


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5. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
6. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
7. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
8. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
9. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
10. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
11. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
12. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.


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13. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
14. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 424-08

(File No: 10464/2023)

Proposed Reconstruction of 8 blocks [G+04] Floors with 500 Residential units at Gandhinagar in T.SNo. 4 of Block no .7 and T.SNo. 4A of Block no. 8 of Ayanavaram Village, Perambur Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board - For Environmental Clearance.

(SIA/TN/INFRA2/445023/2023 dated: 20.09.2023).

The proposal was placed in the 424th Meeting of SEAC held on 16.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Tamil Nadu Urban Habitat Development Board has applied for Environmental Clearance for the Proposed Reconstruction of 8 blocks [G+04] Floors with 500 Residential units at Gandhinagar in T.SNo. 4 of Block no.7 and T.SNo. 4A of Block no. 8 of Ayanavaram Village, Perambur Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the document submitted and presentation made by the project proponent along with the consultant, the following facts have emerged


1. The environmental clearance is sought for "Proposed Reconstruction of 8 Blocks (G+4 floors) with 500 Residential units at Gandhinagar in T.S.No.4 of Block No. 7 and T.S.No.4A of Block No. 8, Ayanavaram Village, Perambur Taluk, within the limits of Greater Chennai Corporation by Tamil Nadu Urban Habitat Development Board."
2. M/s. ABC Techno Labs India Private Limited is the EIA Consultant for the project.


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3. Total plot area of the project is 17,016.48 sq.m and built-up area is 20,880.81 sq. m respectively.
4. Maximum number of floors will be 8 Blocks – G+4 floors and maximum height of the building will be 18 m.
5. Total Saleable DU's (dwelling units) is 500 units.
6. Salient features of the project as submitted by the project proponent:

Project Summary			
Sl. No.	Description	Total Quantity	Unit
General			
1	Plot Area	17,016.48	SQMT
2	Proposed Built Up Area	20,880.81	SQMT
3	Total no of Saleable DU's/Villas	500	No.
4	Max Height - (Height of tallest block)	18	M
5	No of Building Blocks (Residential + Community facilities)	8 Blocks (G+4 floor)	No.
6	Max No of Floors	G+4	No.
7	Expected Population	2625	No.
8	Total Cost of Project	83.50	Cr.
9	Project Activity	Tamil Nadu Urban Habitat Development Board (TNUHDB) has "Proposed Reconstruction of 8 Blocks (G+4 floors) with 500 Residential units at Gandhinagar in T.S.No.4 of Block No. 7 and T.S.No.4A of Block No. 8. Ayanavaram Village, Perambur Taluk, within the limits of Greater Chennai Corporation. The total built up of area and plot area of the proposed project is	


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Project Summary			
Sl. No.	Description	Total Quantity	Unit
		20,880.81 Sq.m and 17,016.48 Sq.m respectively. Since the proposed activity constitutes construction of buildings in an area greater than 20,000 Sq. m., and less than 1,50,000 Sq.m. it requires Environmental Clearance from State Environment Impact Assessment Authority (SEIAA) under sector 8(a) of EIA Notification 2006.	
Areas			
1	Permissible Ground Coverage Area (70%)	11,911.53	SQMT
2	Proposed Ground Coverage Area (22.95%)	3906.4	SQMT
3	Permissible FSI Area (2.8)	47,646.14	SQMT
4	Proposed FSI Area (1.138)	19,363.59	SQMT
5	Other Non FSI Areas - including basement area etc.	1,517.22	SQMT
6	Proposed Total Built Up Area	20,880.81	SQMT
Water			
1	Total Water Requirement	343	KLD
2	Fresh water requirement	343	KLD
3	Treated Water Requirement	21	KLD
4	Wastewater Generation	309	KLD
5	Proposed Capacity of GWTP	22	KLD
6	Treated Water Available for Reuse	18	KLD
7	Treated Water Recycled	18	KLD


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Project Summary			
Sl. No.	Description	Total Quantity	Unit
8	Surplus treated water to be discharged in Municipal Sewer with Prior permission	287	KLD
Rainwater Harvesting			
1	Rainwater Harvesting - Recharge Pits	11	No.
2	Rainwater Harvesting Sump Capacity	75m ³	M ³
Parking			
1	Total Parking Required as / Building Bye Laws	550	ECS
2	Proposed Total Parking	550	ECS
3	Parking in Basements	-	ECS
Green Area			
1	Proposed Green Area (Minimum 15.0% of plot area)	2,554.17(15.01%)	SQMT
2	Total plot area	17,016.48	sq.m
3	Existing trees on plot	-	
4	Number of trees to be planted	213	
5	Number of trees to be transplanted/cut	-	
Solid Waste Management			
1	Total Solid Waste Generation	1288	KG/DAY
2	Organic waste	515	KG/DAY
3	Mode of Treatment & Disposal	Disposed through GCC	
4	Quantity of Sludge Generated from GWTP	3.17	KG/DAY
5	Quantity of E-Waste Generation & Disposal	-	


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Project Summary			
Sl. No.	Description	Total Quantity	Unit
6	Quantity of Hazardous waste Generation & Disposal	-	
Power / Green Power			
1	Total Power Requirement	TANGEDCO tuned to 1700	KW
2	Solar Panels – Roof Coverage	50 % (Roof coverage = 1,931.63 sq.m)	%
3	Hot Water Requirement	1,53,000	Lit
	Of which met by Solar Panels	1,53,000	Lit
4	DG set backup	62.50 kVA	KVA
5	No of DG Sets	3	No.

Population Details				
S. No	Description	DU's	POP/DU	Total Population
1	Residential	500	5	2500
2	Total Saleable DU's	500	5	2500
3	Total	500	5	2500
4	Non Residential	-	-	-
5	Club house (Employees etc.)	-	-	-
6	Club	-	-	-
7	Commercial	-	-	-
8	Facility Management Staff	-	-	-
9	Total			


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Population Details				
S. No	Description	DU's	POP/DU	Total Population
10	Visitors		5% of Total population	125
11	Residential		95% of Total population	2500
12	Club/ Community Hall		-	-
13	Commercial		-	-
14	Total Visitors		5% of Total population	125
15	Total Population		100%	2625
16	EMP Cost (Rs.)	The EMP capital cost is earmarked as 108 lakhs and recurring cost is about 14.34 Lakhs per annum.		
17	CER cost	The CER cost of Rs. 41 lakhs is earmarked for the proposed project.		

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC. in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Silver rating.


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2. PP shall submit the commitment letter from the local body for supply of fresh water and disposal of waste water before obtaining EC from the SEIAA.
3. 50% of the roof area should be covered with Solar panels. Provision of hot water shall be met through solar water heaters.
4. GWTP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
5. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
6. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
7. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
8. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
9. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
10. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.


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11. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
12. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
13. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
14. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda Item No: 424 - 09

File No: 10339/2023

Proposed Establishment of Common Bio Medical Waste Treatment Facility (CBMWTF) at S.F.No. 245(6pt, 7pt), Plot No. 58-A and 58-B, Ingur Village, SIPCOT Industrial Park, Perundurai Talluk, Erode District, Tamil Nadu by M/s. ECO Trees India Private Limited - For Term of Reference. (SIA/TN/INFRA2/439966/2023 Dated: 14/08/2023)

The proposal was placed in this 424th meeting of SEAC held on 16.11.2023. The SEAC noted that the PP has requested for postponing the appraisal of the subject. Hence the SEAC decided to defer the subject to a later date and **to call for explanation from the PP for not attending the scheduled meeting for the second time consecutively.**


Agenda Item No: 424 – 10

File No: 10374/2023

Proposed Expansion Construction of Warehouse & Industrial Shed Build-up Area from 84147.06 Sq.m to 419133.13 Sq.m at Mannur and Valarpuram Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. J. MATADEE FREE TRADE ZONE PRIVATE LIMITED - For Term of Reference. (SIA/TN/INFRA2/441603/2023 Dated: 28/08/2023)


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The proposal was earlier placed in the 404th SEAC meeting held on 25.08.2023. The Project Proponent made a detailed presentation on the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. J. MATADEE FREE TRADE ZONE PRIVATE LIMITED has applied seeking Terms of Reference for the EIA study for the proposed expansion of Construction of Warehouse & Industrial Shed with built-up area from 84147.06 Sq.m to 419133.13 Sq.m at Mannur and Valarpuram Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area Development Projects" of the Schedule to the EIA Notification, 2006.
3. EC Lr. No. Lr. No. SEIAA-TN/F.No.2664/2014/8(b)/EC-466KPM/2016 dated 17.05.2016.
4. The proposal seeking extension of the validity of the previous EC (SIA/TN/MIN/300995/2023, Dated: 07.06.2023 & File No. 2664) was placed in the 640th Authority meeting held on 19.07.2023. The Authority noted that the proponent had applied for extension of validity of earlier issued Environmental clearance vide Lr. No. SEIAA-TN/F.No.2664/2014/8(b)/EC-466KPM/2016 dated 17.05.2016 in the PARIVESH Portal vide SIA/TN/MIS/300489/2023 Dated: 22/05/2023.

As per EIA Notification, 2006 Para 9. Validity of Environmental Clearance (EC):

"...This period of validity may be extended by the regulatory authority concerned by a maximum period of five years provided an application is made to the regulatory authority by the applicant within the validity period, together with an updated Form 1, and Supplementary Form IA, for Construction projects or activities (item 8 of the Schedule). In this regard the regulatory authority may also consult the Expert Appraisal


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Committee or State Level Expert Appraisal Committee as the case may be.”

The Authority further noted that,

1. The project proponent had obtained Environment Clearance vide Lr. No. SEIAA-TN/F.No.2664/2014/8(b)/EC-466KPM/2016 dated 17.05.2016 for the built-up area of 40,841.829 Sq.m under Item 8(b) "Township and Area Development Projects".
2. Subsequently, the proponent has submitted CTO obtained from TNPCB vide Consent Order No 2208244063030 Dated: 25.07.2022. As per CTO issued, under special conditions, para 1

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Development of notified Free Trade Ware Housing Zone of total area 96.8 hectares, with ware house built up area of 40,841.829 sq.m to handle cargo goods and industrial sheds of total built up area of 43305.23 sq.m comprises of re-packaging, assembling etc. The total built up area is 84,147.06 sq.m for phase 1.	0	-
By-Product Details			
1.	NIL	0	-
Intermediate Product Details			
1.	NIL	0	-

3. On perusal of the file, it was ascertained that,
 - i. The proponent had given a representation regarding clarification for applicability of Environmental Clearance for the construction of Industrial Unit for 65,000 Sq.m vide letter dated: 17.05.2019.
 - ii. Subsequently, based on the above clarification, a letter was issued to the proponent vide Lr. No. SEIAA-TN/F.No.2664/2014 Dated: 28.05.2019, it states that
“...Now for the construction of Industrial units of 65,000 sq.m with total land area of 96.8 Ha attracts 8(b)-Townships & Area Development Projects of EIA Notification 2006. Hence, it is requested to apply for Environmental Clearance for the expansion project under 8(b) - Townships & Area Development Projects.”


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iii. Subsequently, the proponent had not applied for environmental clearance for expansion under 8(b) – Township & Area Development Projects for the industrial unit.

4. Further, the proponent in his covering letter had stated that,


"...We will submit an application to obtain the Environmental Clearance for expanding our built-up area from 84,147.06 square metres to 1,28,110.469 square metres as soon as possible. We kindly request your consideration to grant an extension of the environmental clearance for a period of two years until 16th May 2025."

Based on the above facts and documents furnished by the proponent in PARIVESH Portal, SEIAA decided that,

1. The proponent has expanded the built-up area from 40,841.829 Sq.m. to 84,147.06 Sq.m. within the plot area of 96.8 Ha. Hence, the proponent may be requested to clarify the current existing built-up area.
2. Further, the proponent may be requested to clarify whether the proponent applied for expansion under 8(b) - Township & Area Development Projects for the industrial unit as per the direction of SEIAA vide Lr. No. SEIAA-TN/F.No.2664/2014 Dated: 28.05.2019. If not, the proponent may be requested to furnish the reason.

In the view of the above facts and as per EIA Notification 2006, Authority decided to forward the proponent's request for extension of validity of earlier issued Environmental Clearance to SEAC and SEAC shall examine the above-mentioned points and shall furnish its remarks to SEIAA.

5. Subsequently, the **proposal seeking extension of validity of earlier issued Environmental Clearance was placed in the 404th SEAC meeting held on 25.08.2023.** During the meeting the Committee noted that neither the project proponent nor the consultant attended the meeting. **Hence the subject was not taken up for appraisal and committee decided that the project proponent shall furnish the reason for his absence.**


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Simultaneously the PP has applied seeking Environmental Clearance for the proposed expansion vide (SIA/TN/INFRA2/441603/2023 Dated: 28/08/2023 & File No. 10374). Hence the proposal was taken up for discussion in this 424th meeting of SEAC held on 16.11.2023.

Based on the proposal submitted and the presentation made, the SEAC decided to recommend for the grant of Terms of Reference (ToR) subject to the following ToRs, in addition to the standard terms of reference for EIA study for Township and Area Development Projects and the EIA/EMP report:

1. Enumerate the complete details of existing and proposed buildings such as built-up area of each building, nature of activity, name list, category and type of storage materials, hazardous materials, if any to be stored, and so on.
2. Necessary supporting documents including land documents, approval from Competent Authority for supply of fresh water, first and latest valid consents of TNPCB for the existing operation shall be furnished.
3. The PP shall include in the EMP the details of coverage of the entire roof of existing and proposed buildings with solar panels.
4. The PP to ensure manicured garden and adequate green belt is developed as per the prescribed norm for industries.
5. The proponent shall ensure the existing development meets green building norms and shall obtain a minimum of IGBC Gold ranking.
6. The proponent shall furnish the detailed sewage treatment technology existing and that proposed along with the design and operation details of the proposed CSTP treatment system.
7. **The PP shall take the necessary approval from PESO, if applicable**
8. The proposal to construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters


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during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.

9. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
10. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
11. Copy of the village map, FMB sketch and "A" register shall be furnished.
12. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
13. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
14. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
15. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
16. Details of the Rain water harvesting system with cost estimation should be furnished.
17. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the water bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
18. The OSR area should not be included in the activity area and not be taken in to account for the green belt area.
19. The layout plan shall be furnished for the greenbelt area earmarked with GPS co- ordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width


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- should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
20. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
 21. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
 22. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
 23. The proposal for utilization of at least 50% of Solar Energy shall be included in the EIA/EMP report.
 24. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.
 25. Duplicate application (2664) shall be withdrawn.

Agenda No: 424 - 11

File. No: 10445/2023

Proposed Construction of Residential building by M/s. Jain Builders and Developers Represented by its Authorized Signatory Mr. S. Palaniappan at S. No. 139/2C of Vilankurichi Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu Tamil Nadu - For Environmental Clearance. (SIA/TN/INFRA2/444938/2023, Dated: 19/09/2023)

The proposal was placed in 424th SEAC meeting held on 16.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Jain Builders and Developers Represented by its


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Authorized Signatory Mr. S. Palaniappan has applied for Environmental Clearance for the Proposed Construction of residential Building at S.No. 139/2C of Vilankurichi Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Total Land area is 4,046.82 Sq.m & the built – up area is 21,411.35 Sq.m.

Name and Address of the PP		Name of the Consultant
M/s. Jain Builders and Developers Represented by its Authorized Signatory Mr. S.Palaniappan 98/99, Habbibullah Road, T.Nagar, Chennai 600017		M/s Ecotech Labs Private Limited
A. Site Location Details		
1. Location	S.No. 139/2C of Vilankurichi Village, Coimbatore North Taluk, Coimbatore District, Tamilnadu	
2. Latitude & Longitude	11°3'57.72"N, 77°0'53.99"E	
3. Survey Nos	S.No. 139/2C of Vilankurichi Village, Coimbatore North Taluk, Coimbatore District, Tamilnadu	
4. Area in Hectares	0.404682	
5. Ownership Details	GPOA	
6. Any Legal Disputes	-	


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7.	Waterbodies/Rivers/Canals	<ul style="list-style-type: none"> • Villankurichi Pond – 0.73 km, NE • Chitra Nagar Kuttai – 0.85 km, NW • Chinna Vedampatti Lake – 4.42 km, NW • Kousika River – 7.47 km, NE • Singanallur lake – 8.20 km, S • Valankulam Lake – 8.62 km, SW • Noyyal River – 8.68 km, S • Achan Kulam – 8.98 km, SE • Pudupalayam Lake – 9.02 km, NW • Chinna Kulam – 9.72 km, SW • Vellalore Lake – 9.82 km, SW
8.	Vulnerability to Inundation	--
9.	Protected Areas Nearby (Wildlife Protection Act)	--
10.	Previous EC/History in SEIAA	-

B. PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
B1. GENERAL			
1	Plot Area	4046.82	SQMT
2	Proposed Built Up Area	21411.35	SQMT
3	Total no of Saleable DU's/Villas	168	No.
4	Max Height - (Height of tallest block)	63.08	M
5	No of Building Blocks (Residential + Community facilities)	1	

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6	Max No of Floors	17	No.
7	Expected Population (XXX Residential+ XXXX Floating)	989	No.
8	Total Cost of Project	Rs. 48.85 Crores	CR
9	EMP	Construction phase: 8.6 Operation Phase: Capital – 66.6 Recurring – 25.62	lakhs
10	CER	0.50	CR
B2. AREAS			
1	Permissible Ground Coverage Area (xx%)	50%	SQMT
2	Proposed Ground Coverage Area (xx%)	1086.13(27 %)	SQMT
3	Permissible FSI Area (xxx)	19728.24	SQMT
4	Proposed FSI Area	16835.59	SQMT
5	Other Non FSI Areas - including basement area etc.	4575.76	SQMT
6	Proposed Total Built Up Area	21411.35	SQMT
B3. WATER			
1	Total Water Requirement	127	KLD
2	Fresh water requirement	81	KLD
3	Treated Water Requirement	46	KLD
4	Wastewater Generation	114	KLD
5	Proposed Capacity of STP	130	KLD
6	Treated Water Available for Reuse	108	KLD
7	Treated Water Recycled	46	KLD


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8	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	62	KLD
B4. RAINWATER HARVESTING			
1	Rainwater Harvesting - Recharge Pits	18	No.
2	Rainwater Harvesting Sump Capacity	35	M ³
B5. PARKING			
1	Total Parking Required as / Building Bye Laws	130 cars, 100 two wheelers	ECS
2	Proposed Total Parking	130 cars, 111 two wheelers	ECS
3	Parking in Basements	61 cars, 77 two wheelers	ECS
B6. GREEN AREA			
1	Proposed Green Area (Minimum 15.0% of plot area)	634.19(15%)	SQMT
2	Total area	4046.82	SQMT
3	Existing trees on plot	0	nos
4	Number of trees to be planted	200	nos
5	Number of trees to be transplanted/cut	0	
B7. SOLID WASTE MANAGEMENT			
1	Total Solid Waste Generation	0.555	TPD
2	Organic waste	0.222	TPD
3	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and	TPD

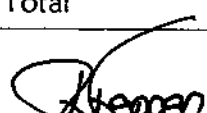

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		used as manure for gardening.	
4	Quantity of Sludge Generated from STP & Disposal	10	KG/DAY
5	Quantity of E-Waste Generation & Disposal	0	KG/DAY
6	Quantity of Hazardous waste Generation & Disposal	0	LPD
B8. POWER / GREEN POWER			
1	Total Power Requirement	1	KW
2	DG set backup	1 No. of 200 KVA	KVA
3	No of DG Sets	1	No.
4	Solar Panels – Roof Coverage	50	%
5	Hot Water Requirement	2.5	KLD
	Of which met by Solar Panels		

C. POPULATION			
	DU'S	POP/DU	TOTAL POPULATION
Residential			
Total Saleable Du's	168		891
Total			
Non-Residential			
CLUB house (Employees etc.)			
Club			
Commercial			
Facility Management Staff			
Total			


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Visitors		
Residential	10% of total population	xx% of Residential Population 89
Club/Community Hall	-	xx% of Residential Population
(Maintenance Staff)	-	9
Total Visitors	-	
Total Population	-	989

Details of CER Activity

S. No	CER Activity	Action Plan
1.	Government High School - Villankurichi- 0.67 km, NE -25 Lakhs	
	a) Improvement of school infrastructure, ✓ Sanitation facility, ✓ library, Drinking water treatment plant, ✓ Solar lighting & smart class (LED Projector with computer), b) ✓ Furniture, development of sports facilities, ✓ Greenbelt development with in school campus, Additional classrooms for schools and Maintenance of toilet for the schools mentioned upto construction phase of the Proposed Project.	6 Months from the date of issue of EC.
2.	Government Higher Secondary School - Cheran ma Nagar- 0.93 km, SE- 25 Lakhs	
	a) Improvement of school infrastructure, ✓ Sanitation facility, ✓ library, Drinking water treatment plant, ✓ Solar lighting & smart class (LED Projector with computer), b) ✓ Furniture, development of sports facilities, ✓ Greenbelt development with in school campus, Additional classrooms for schools and Maintenance of toilet for the schools mentioned upto construction phase of the Proposed Project.	9 Months from the date of issue of EC.


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	Total Cost Allocation- 50 Lakhs	
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RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.


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7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 424 – 12

File. No: 10452/2023

Proposed Multi-Storied Residential Group Development by M/s. Alliance Budget Housing India Pvt Ltd at S.F.Nos 88/2, 89/2 pt, 90/2 pt, 91/2 pt, 92/2 pt, 95 pt, 96/1 pt, 96/2 pt, 97/1 pt, 97/2 pt, 98 pt, 129/2 pt, 130/1, 130/2, 131, 132/1, 132/2, 132/3, 133/1, 133/2, 133/3, 133/4, 134/2, 134/1A, 134/1B, 143pt, Plot No. 17-1 of Mahindra World City, Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu - For Environmental Clearance. (SIA/TN/INFRA2/ 445880 /2023, Dated: 02/10/2023)

The proposal was placed in 424th SEAC meeting held on 16.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Alliance Budget Housing India Pvt Ltd has applied


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for Environmental Clearance for the Proposed Multi-Storied Residential Group Development at S.F.Nos 88/2, 89/2 pt, 90/2 pt, 91/2 pt, 92/2 pt, 95 pt, 96/1 pt, 96/2 pt, 97/1 pt, 97/2 pt, 98 pt, 129/2 pt, 130/1, 130/2, 131, 132/1, 132/2, 132/3, 133/1, 133/2, 133/3, 133/4, 134/2, 134/1A, 134/1B, 143pt, Plot No. 17-1 of Mahindra World City, Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.

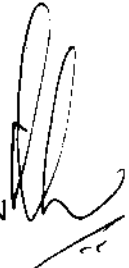
3. Total Plot area is 37406.40 Sq.m & the built – up area is 100957.00 Sq.m.

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

The environmental clearance is sought for Construction Project at S.F. Nos 88/2, 89/2 pt, 90/2 pt, 91/2 pt, 92/2 pt, 95 pt, 96/1 pt, 96/2 pt, 97/1 pt, 97/2 pt, 98 pt, 129/2 pt, 130/1, 130/2, 131, 132/1, 132/2, 132/3, 133/1, 133/2, 133/3, 133/4, 134/2, 134/1A, 134/1B, 143pt, Plot No. 17-1 of Mahindra World City, Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu. by the Proponent M/s. Alliance Budget Housing India Pvt Ltd

1. M/s. Perfect Enviro Solutions Pvt Ltd is the EIA Consultant for the project.
2. Total plot area of the project is **37406.40 m²** and built-up area is **100957 m²** respectively.
3. Maximum number of floors will be **B+S+19** and maximum height of the building will be x m. (mentioned as 46.38 m in the Elevation drawing is not matching with number of floors)
4. Total Saleable DU's (dwelling units) is **1119**.
5. Salient features of the project as submitted by the project proponent:


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PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	37406.40	m ²
2	Proposed Built Up Area	100957.00	m ²
3	Total no of Saleable DU's/Villas	1119	Nos.
4	Max Height - (Height of tallest block)	46.38	m
5	No of Building Blocks (Residential + Community facilities)	7	Nos.
6	Max No of Floors	B+5+19	No.
7	Expected Population (XXX Residential + XXXX Floating)	6291 (Residential- 5719+ Floating - 138)	No.
8	Total Cost of Project	203	INR Cr
9	Project Activity:	Residential Group Housing Development with community educational block	
AREAS			
10	Permissible Ground Coverage Area (xx%)	18703.00	m ²
11	Proposed Ground Coverage Area (xx%)	12477.18	m ²
12	Permissible FSI Area (xxx)	97256.64	m ²
13	Proposed FSI Area	97017.87	m ²
14	Other Non FSI Areas - including basement area etc.		m ²
15	Proposed Total Built Up Area	100957.00	m ²



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WATER			
16	Total Water Requirement	Construction Phase- 72 Operation Phase- 794	KLD
17	Fresh water requirement	Construction Phase- 72 Operation Phase- 501	KLD
18	Treated Water Requirement	293	KLD
19	Wastewater Generation	Construction Phase- 10.8 Operation Phase- 662.8	KLD
20	Proposed Capacity of STP	800	KLD
21	Treated Water Available for Reuse	293	KLD
22	Treated Water Recycled	293	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any (Surplus treated wastewater will be drained through Sewer lines provided by MWC which will finally be taken up for treatment in CSTP being run by MWC. Necessary approvals are obtained in this regard)	369.8	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	3	No.
25	Rainwater Harvesting Sump Capacity	130	m ³
PARKING			


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25	Total Parking Required as / Building Bye Laws	1550	ECS
26	Proposed Total Parking	1845	ECS
27	Parking in Basements	837	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	5,939.93	m ²
	Total area	37406.40	m ²
	Existing trees on plot	28	Nos.
	Number of trees to be planted	1188	Nos.
	Number of trees to be cut	6	Nos.
	Number of trees to compensate the trees cut	60	Nos.
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	3.77	TPD
30	Organic waste	2.16	TPD
31	Mode of Treatment & Disposal	2.16, OWC	TPD
32	Quantity of Sludge Generated from STP & Disposal	9.0	Kg/day
33	Quantity of E-Waste Generation & Disposal	0.6	TPA
34	Quantity of Hazardous waste Generation & Disposal	0.5	TPA
POWER / GREEN POWER			
34	Total Power Requirement	6.63	MW
35	DG set backup	1460	KVA
36	No of DG Sets	4 (1*320+3*380)	Nos.
37	Solar Panels – Roof Coverage	50 (6,238.59 Sq.m)	%


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38	Hot Water Requirement	22.38 (@20 lit/house)	KLD
	Of which met by Solar Panels	40% will be met by Solar	

Population details:

POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's			
1 BHK -	268	4	1072
2&3 BHK -	217 (2BHK)	5	1085
	634 (3BHK)	5	3170
Total	1119	4-5	5327
Non-Residential			138
Club house population	Area: 2,548.03		255
Commercial			0
Facility Management Staff & Visitors			572
Residential			5327
Club/Community Hall			255
Commercial			0
Total Visitors			572
Total Population			6291
EMP Cost		484.4	INR Lakhs
CER Cost	200		INR Lakhs
Details of CER Activities	Chengalpattu Medical college Hospital for children care facilities, Crèche, Waiting halls improvement, Greenbelt development and Eco-friendly toilets.		


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RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.


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8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 424-13

(File No.10432/2023)

Proposed Expansion of Existing mall (Mall, Multiplex, Restaurant, Food Court) and Proposed Guest House & Residential Development at Survey Nos. 199/1A, 200, 201, 206 & 205 Part of Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Alliance Mall Developers Co Pvt. Ltd – For Environmental Clearance (SIA/TN/INFRA2/445436/2023 dt.22.09.2023)

The proposal was placed in this 424th Meeting of SEAC held on 16.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **M/s. Alliance Mall Developers Co Pvt. Ltd** has applied for Environmental Clearance for the Proposed Expansion of Existing mall (Mall, Multiplex, Restaurant, Food Court) and Proposed Guest House & Residential Development at Survey Nos. 199/1A, 200, 201, 206 & 205 Part of Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil


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2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proponent has obtained EC from SEIAA vide Lr.No.SEIAA-TN/F.459/EC/8(a)/163/2012 dated.03.05.2013 for mall development with a plot area of 65165.78 sq.m & built-up area of 56721.88 sq.m.
4. Subsequently, the proponent has obtained expansion EC from MoEF&CC dated.06.01.2017 for a built-up area of 1,32,069.08 Sq.m for the Proposed Expansion of Existing mall (Mall, Multiplex, Restaurant, Food Court) and Proposed Guest House & Residential Development.
5. Now, the proponent has submitted an application seeking Environmental Clearance for the Proposed Expansion of Existing mall (Mall, Multiplex, Restaurant, Food Court) and Proposed Guest House & Residential Development with the total plot area of 99.552.65 Sq.m and built-up area of 1,42,636.02 Sq.m.

Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following additional details from the project proponent to decide further on the proposal:

- i) The project proponent shall submit a Certified Compliance Report as per the MoEF&CC O.M dated.08.06.2022 for the previous EC obtained from SEIAA dated.03.05.2013 & from MoEF&CC dated.06.01.2017.
- ii) Commitment letter from competent authority for supply of fresh water shall be furnished.
- iii) The proponent shall furnish details of energy consumption met through green energy.
- iv) The proponent shall complete the green belt development as specified in the earlier ECs dated.03.05.2013 & 06.01.2017 and shall furnish a detailed roadmap for the development of greenbelt with 3895Nos. of trees.
- v) The proponent shall furnish affidavit of undertaking duly signed by the signatory authority as specified in Point no. 13 of the schedule circulated.


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vi)The proponent shall furnish details on the existing Solid Waste Management practices.

On receipt of the same, further deliberations shall be done. Hence, the proponent is advised to submit the details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No: 424-14

(File No: 3296/2015)

Proposed Construction of additional residential and public buildings in Existing Township "Anuvijay Township" Kudankulam Nuclear Power Project at S.No.51/85,470/475,482,483,518/532 etc of Chettikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s. Nuclear Power Corporation of India Ltd (NPCIL) - For Amendment in Environmental Clearance. (SIA/TN/MIS/295756/2022, dated:26.12.2022).

Earlier, the proposal was placed in 361st SEAC meeting held on 10.03.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

The SEAC noted the following:

1. The Project Proponent, M/s.Nuclear Power Corporation of India Ltd (NPCIL) has applied for Amendment in Environmental Clearance for the Proposed Construction of additional residential and public buildings in Existing Township "Anuvijay Township" Kudankulam Nuclear Power Project at S.No.51/85,470/475,482,483,518/532 etc of Chettikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of item 8(b) "Township and Area development project" of the Schedule to the EIA Notification, 2006.
3. EC issued Vide letter No. SEIAA/TN/F.3296/EC/8(b)/497/2016 dated:05.10.2016.

The proposal was again placed in 402nd meeting of SEAC held on 17.08.2023. Based


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on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows,

1. The PP shall furnish details of amendments asked for such as no. of dwelling units, built-up area, population details, height etc., in a tabular form for each amendment requested.
2. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.
3. The PP shall submit DTCP approval for the completed construction activities.
4. The PP furnish photographs and video of the township developed so far.
5. The PP shall furnish green belt details.
6. The PP shall furnish capacity of De-salination plant and disposal of brine water into the sea.
7. If there is an increase in population, then the PP shall discuss about increased amount of fresh water intake, waste water disposal, STP capacity, solid waste production and disposal, e-waste generation etc.,

Now the proposal was placed in 424th meeting of SEAC held on 16.11.2023. The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No: 424 - 15

File.No.10398/2023

Expansion of high-rise residential building at S.F.Nos.108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1CIA, 111/1CIB, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 of Melakottaiyur Village, Vandalur


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**Taluk, Chengalpet District, Tamil Nadu by M/s. Casagrand Magnum Private Limited -
For Environmental Clearance.**

(SIA/TN/INFRA2/443505/2023, Dated: 08.09.2023)

Earlier proposal was placed in the 418th SEAC meeting held on 19.10.2023. The details of the project furnished by the proponent are available in the website. (parivesh.nic.in).

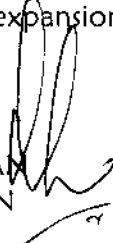
The SEAC noted the following:

1. The Project Proponent, M/s. Casagrand Magnum Private Limited has applied for Environmental Clearance for the Expansion of high-rise residential building at S.F.Nos.108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1CIA, 111/1CIB, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 of Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamil Nadu.
2. The project activity is covered under Category "B1" of Item 8(b) "Township & Area Development projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, ToR obtained Vide Letter No. SEIAA-TN/F.No.9420/SEAC/ToR-1266/2022 Dated:03.10.2022.
4. Earlier, EC obtained Vide Lr. No. SEIAA-TN/F.No.9420/EC. No:926/2023, dated :03.04.2023.

The SEAC noted that the project proponent has requested to defer the proposal. Hence the subject was not taken up for discussion and the committee deferred the proposal.

Now the proposal was placed in 424th meeting of SEAC held on 16.11.2023. The SEAC noted that, earlier the PP has applied for expansion vide Proposal No. SIA/ TN/ INFRA2/ 443505/ 2023 dated 08.09.2023. Now the PP request for modification and amendment in the existing proposal. The PP stated that he will withdraw expansion



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application and apply for modification of EC. Hence the committee decided that the PP shall apply a fresh application for modification of EC.

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ANNEXURE-I

SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED WITHIN 1 KM FROM THE RESERVE FORESTS

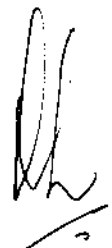
1. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
2. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
3. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
4. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
5. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
6. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
7. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
8. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.

9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
10. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
11. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
12. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more or areas with a high degree of erosion on forestland.
13. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
14. The PP shall not use plastic carry bags within the quarry area.
15. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
16. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.


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GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short-Term Permit (STP), Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.

9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
14. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.


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15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCCB) by the proponent without fail.
18. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
19. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
22. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
23. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

ROUGH STONE/JELLY/BLUE METAL QUARRY

- 1) The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
- 2) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
- 3) The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
- 4) Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.
- 5) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 6) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 7) The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.



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- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.
- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 11) The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
- 12) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology should be adopted by considering the wind direction.
- 13) The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
- 14) The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
- 15) Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
- 16) Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.


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- 17) The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.
- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
- 20) Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
- 21) **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the


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houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.

- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.
- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- 26) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.

- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
- 32) To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
- 33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
- 34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
- 35) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
- 36) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.


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- 37) All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
- 38) That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
- 39) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
- 40) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 41) As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.


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SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS

Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m Up to 500 m
1.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.
2.	Special precautions are to be taken during blasting within danger zone such as posting guards, etc.	Blast design parameters should be mentioned in mining plan/scheme, and may be reviewed by a competent mining engineer.
3.	Blast design parameters should be mentioned in mining plan/scheme.	MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively.
4.	The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval.	Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management.
5.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.
6.	Training of the blasting crew on controlled blasting practices before engaged in operation.	Training of the blasting crew on controlled blasting practices before engaged in operation.


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7.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB. Report of recorded ground vibration need to be added in monthly report.
8.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.
9.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.
10.	Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.	Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.
11.	Max. number of holes in a round: 30.	Max. number of holes in a round: 40 to 60.


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TERMS OF REFERENCE (ToR) FOR GRANITE / ROUGH STONE QUARRY


1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
 - (i) Original pit dimension
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches
 - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.



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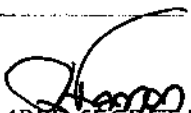
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6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.


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12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
 - Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc..
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.


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19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.



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25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest


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authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed


compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.


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Annexure II

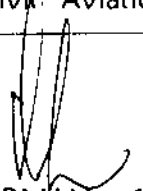
Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation


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Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

2. Air quality monitoring and preservation:

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.
4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.
6. Wet jet shall be provided for grinding and stone cutting.


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7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).

5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall


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- be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
 18. No sewage or untreated effluent water would be discharged through storm water drains.
 19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.

21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting


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design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.
7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.

5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.


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3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
5. A wide range of indigenous plant species should be planted as given in the Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms

radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Corporate Environment Responsibility:

1. The PP shall complete the CER activities, as committed, before obtaining CTE.


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2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.


3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.


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13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.


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Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Marjadi	மஞ்சாடி. ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Eauhinia purpurea</i>	Manthara	மந்தாரை
6	<i>Eauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Eauhinia tomentosa</i>	Iruvathu	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamarani	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Purnai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரககொண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்ககொண்டரை
15	<i>Chloroxylon sweetena</i>	Puracamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Marjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிளங்கும்
19	<i>Dillema indica</i>	Uva, Uzha	உசா
20	<i>Dillema pentagyna</i>	SiruUva, Sitruzha	சீறு உசா
21	<i>Diospyros ebenum</i>	Karungali	கருங்கடலி
22	<i>Diospyros schloroxylon</i>	Vaganu	வாகளை
23	<i>Ficus amplissima</i>	Kallchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lamnea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottamaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisunpattai	பிசும்பா, பிசும்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	U'lakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வளைளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஏச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்


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40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கறிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manupungan, Soapukai	மணிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Pirav maram	பீராய் மரம்
52	<i>Strychnos nuxtomia</i>	Yeti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாண்டி கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி


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Appendix -III

Display Board

(Size 6' x5' with Blue Background and White Letters)

சுரங்கம்

சுரங்கங்களில் சூவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA-_____ தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சூவாரியின் எல்லைவயை சுற்றி வேலி அமைக்க வேண்டும் அங்கப்பாறையின் ஆழம் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும் காற்றில் மாசு ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு பராமரிக்கப்படவேண்டிய மாங்கன எண்ணிக்கை	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறைபடி தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசி மாசுபாட்டையும் குறைப்பதற்காக சூவாரியின் எல்லைவயை சுற்றி அடர்த்தியான பகனம் பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுறிகள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்ளிப்பாக செயல்படுத்தப்பட வேண்டும்	
சுரங்கத்தில் இருந்து எழும்பும் இரைச்சல் அளவு 85 டிபிபிஎஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள கழிப்பறை வசதிகளை செய்ய தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டிவாக வாகனங்கள் செல்லும் சாலைவயை தொடர்ந்து நன்கு பாதுகாக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் துவத்தும் தீரின் தாத்தினை தொடர்த்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம் பொருட்களை எடுத்துச் செல்லும் கிராம மக்களுக்கு எந்தத் கிரமத்தினாலும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் அங்கு மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாசிவேஷ (http://parish.nc.in) என்ற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னைவில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஓசூங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222125 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்	

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