

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the Meeting of 257<sup>th</sup> State Expert Appraisal Committee (SEAC) held on 25<sup>th</sup> March 2022 (Friday) at SEIAA Conference hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for Appraisal of Building and Construction Projects, Townships and Area Development projects & Mining projects through online and offline mode

Agenda No: 257-1

(File No: 2451/2018)

Proposed construction of 1024 Nos.of dwelling unit at S.F.No. 340/2B 1B , Gudapakkam Village, Poonmallee Taluk, Tiruvallur District Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s Tamil Nadu Slum Clearance Board)— For Environmental Clearance.

(SIA/TN/NCP/28271/2017, dated: 17.07.2018)

The proposal was placed in this 257<sup>th</sup> SEAC Meeting held on 25.3.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Slum Clearance Board has applied seeking Environmental Clearance for the proposed construction of 1024 Nos. of dwelling unit at S.F.No. 340/2B 1B , Gudapakkam Village, Poonmallee Taluk, Tiruvallur 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.
3. As per G.O (Ms) No. 103 Housing & Urban development Dept Dt. 1.09.2021 the name of the proponent changed from M/s Tamil Nadu Slum Clearance Board to M/s. Tamil Nadu Urban Habitat Development Board
4. The proposal consists 32 Blocks- G+ 3 Floors each – Total tenements – 1024 with plot area – 33820 Sq.m and built up area – 37754.88 Sq.m.
5. Earlier, the ToR has been granted by MoEF&CC vide Lr No. F.No. 23-16/2017-1A-III Dt. 10.4.2018 **violation category.**

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the

  
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presentation made and documents furnished by the project proponent, the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the proposed project and environmental settings.

Agenda No: 257-2

(File No: 6351/2018)

Proposed construction of 1044 Residential Tenements Under Pradan Mandri Awas Yojana HFA Scheme at S.F.Nos. 1802/1Pt at Tondiarpet Village, Tondiarpet Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s Tamil Nadu Slum Clearance Board)— For Environmental Clearance. (SIA/TN/MIS/228825/2021, dated: 11.09.2021))


The proposal was placed in this 257th SEAC Meeting held on 25.3.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The project proponent, M/s. Tamilnadu Slum Clearance Board has applied for Environmental Clearance for the Proposed Construction of 1044 Residential Tenements Under Pradan Mandri Awas Yojana HFA Scheme at S.F.Nos. 1802/1Pt at Tondiarpet Village, Tondiarpet Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction project" of the Schedule to the EIA Notification, 2006.
3. The proposal consists Type A Block – 6 nos – 9 floors each, Types-B – Block – 3 nos – 11 floors each – Total tenements – 1044 with plot area – 21407.69 Sq.m and built up area – 43776 Sq.m.
4. TOR under violation category issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.6531/SEAC/Violation/TOR-876/2018 Dt: 12.03.2021.
5. As per G.O (Ms) No. 103 Housing & Urban development Dept Dt. 1.09.2021 the name of the proponent changed from M/s Tamil Nadu Slum Clearance Board to M/s. Tamil Nadu Urban Habitat Development Board
6. Earlier, this proposal was placed 240th meeting of SEAC held on 02.11.2021.

Based on the presentation and documents furnished by the project proponent,

  
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SEAC after detailed deliberations has directed the proponent to furnish following additional particulars

- Copy of village map of the proposed project site.
- Revised green belt plan excluding OSR all along the periphery of the proposed project site.
- To submit detailed proposal for amenities such play ground/area, other recreation area to be provided for children's and the occupants within the proposed project site, since the number of occupants is more than 5000 nos.

Also, the SEAC decided to make an onsite inspection by the sub-committee constituted by the SEAC to assess the present status of the proposed project and environmental settings.

Based on that the subcommittee has inspected the site on 2.2.2022 and reported the following

1. The project falls under 8(a) of Scheme of EIA 2006 and has to be apprised under violation category as project proponent has submitted the proposal under violation within the window period. The work in all 09 Blocks has almost been completed.
2. The query of village map has been attended and now the Village map is available.
3. The revised Green belt programme excluding OSR has been now prepared and shown to subcommittee.
4. The place for establishing amenities for Children and occupants has been earmarked in OSR and OSR area has been handed over to Chennai Corporation.
5. Dual plumbing for grey and black water separately carried out and the place for grey water treatment plant has been earmarked.
6. Advised TNUHDB to expedite Commitment letter from CMWSSB for pumping of sewage water in to sewers.
7. TNUHDB has agreed to commence planting works under Green Belt development immediately. Advised TNUHDB to make small openings at fixed intervals on CC roads to plant taller seedlings on both of the CC roads.

  
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8. Water balance, solid waste estimation etc., have to be reworked.

9. The project is very useful to the beneficiaries and is people friendly.

The details on the Ecological Damage Assessment, Remediation Plan, Natural Resources Augmentation and Community Resource Augmentation Plan prepared & submitted by the NABET consultant on behalf of the proponent as per the guidelines mentioned in the MoEF & CC Notifications dated:14.03.2017 and 08.03.2018.

The subject was placed in this 257th meeting of SEAC held on 18.03.2022 for appraisal for seeking Environmental clearance under violation.

The SEAC assessed the project based on ecological damage, remediation plan and natural & community resource augmentation plan prepared and submitted by the NABET consultant on behalf of the proponent as per the guidelines mentioned in the MoEF & CC Notifications dated:14.03.2017 and 08.03.2018. The cost extract from the report is as follows:

**1. Ecological Damage Assessment & Remediation plan**

S.No	Particulars	Cost in Lakhs (Rs.)	% of project cost
1.	Air Environment	4.1487	0.03
2.	Water Environment	15.2119	0.11
3.	Land Environment	2.7658	0.02
4.	Noise Environment	2.7658	0.02
5.	Biological Environment	9.6803	0.07
	<b>Total</b>	<b>34.57250</b>	<b>0.25</b>

**2. Natural Resources Augmentation Plan**

S.No	Activity	Proposed Area	Cost in Lakhs (Rs.)	% of project cost
1.	Improvement of Nearby Water body	Korattur Lake	13.829	0.10

  
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### 3. Community Resource Augmentation Plan

S.No	Activity	Proposed Area	Cost in Lakhs (Rs.)	% of project cost
1.	Laying of new Road & Tree Plantation	Kathibada Road (600m) Adjacent to project site	20.7435	0.15

### 4. CER Activity

S.No	Activity	Proposed Area	Cost in Lakhs (Rs.)	% of project cost
1.	<ul style="list-style-type: none"> <li>• Student Toilet door shutter replacing and new shutter fixing</li> <li>• School Building Terrace roof tiles damage. Replacing the roof tiles with new one. Reconstructing the damaged floor in the school back side</li> </ul>	Chennai High School – Korukkupet	20.17	0.41
2.	<ul style="list-style-type: none"> <li>• School Building compound wall white / colour wash</li> <li>• Door and window enamel painting</li> <li>• Toilet pipe line replacing and new refixing</li> </ul>	Kathibada Road (600m) Adjacent to project site	19.07	
3.	<ul style="list-style-type: none"> <li>• School building whitewash / colour painting</li> <li>• Compound wall whitewash / colour painting</li> <li>• Doors and window enamel painting</li> <li>• Metro water and sewage connection</li> </ul>	Chennai High School – Stanley Nagar	18.63	
Total			57.87	0.41

Further, the SEAC classified the level of damages by the following criteria:

  
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1. Low level Ecological damage:
  - a. Only procedural violations (started the construction at site without obtaining EC)
2. Medium level Ecological damage:
  - a. Procedural violations (started the construction at site without obtaining EC)
  - b. Infrastructural violation such as deviation from CMDA/local body approval.
  - c. Non operation of the project(not occupied).
3. High level Ecological damage:
  - a. Procedural violations (started the construction at site without obtaining EC)  
Infrastructural violation such as deviation from CMDA/local body approval.
  - b. Under Operation (occupied).

Level of damages	Ecological remediation cost (% of project cost)	Natural resource augmentation on cost (% of project cost)	Community resource augmentation on cost (% of project cost)	CER (% of project cost)	Total (% of project cost)
Low level Ecological damage	0.25	0.10	0.15	0.25	0.75
Medium level Ecological damage	0.35	0.15	0.25	0.5	1.25
High level Ecological damage	0.50	0.20	0.30	1.00	2.00

Under the above circumstance, the SEAC has assessed that it is only procedural violations (started the construction at site without obtaining EC) and fixed Low level damages.

Hence, the SEAC decided the fund allocation for Ecological remediation, natural resource augmentation & community resource augmentation and CER by following the below mentioned criteria.

The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 69.145 lakhs arrived by the EIA coordinator which is equal to 0.5% of the project cost of Rs. 138.29 crore and SEAC

  
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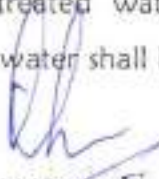
  
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accepted the same. SEAC also accepted the amount of Rs. 57.87 lakh allotted for CER activities by the proponent.

The SEAC observed that the proposed construction of 1044 Residential Tenements Under Pradan Mandri Awas Yojana HFA Scheme at S.F.Nos. 1802/1Pt at Tondiarpet Village, Tondiarpet Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board which is categorised under the "Low level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the following conditions in addition to the normal conditions:


1. As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.
2. Accordingly, the amount prescribed for Ecological remediation (Rs.34.58 lakh, natural resource augmentation(Rs.13.83lakh)& community resource augmentation (Rs. 20.74 lakhs ), totaling Rs. 69.15 lakh. (round off). Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 69.16 lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit acknowledgment of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report
3. The proponent shall obtain fresh water supply commitment letter and disposal of excess treated sewage from CMWSSB before obtaining CTO
4. The project proponent shall let-out the generated Sewage through CMWSSB sewer line .
5. The project proponent shall provide Grey water treatment plant and treated water shall be utilized for flushing and green belt proposed. The excess grey water shall be

  
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let in to CMWSSB sewer line.

6. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable waste to authorized recyclers as committed.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
10. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
11. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
12. The proponent shall made compensatory plantation as per 1:10 ratio, which are affected during execution of the project.
13. 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, in consultation with the DFO, State Agriculture University and local school/college authorities. 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.
14. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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

  
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15. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
17. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
18. No waste of any type to be disposed off in any other way other than the approved one.
19. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
20. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
21. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
22. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
23. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
24. 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,

  
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to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

25. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
26. The proposed CER amount of Rs. 57.87 lakh shall be spent as committed before the issue of Environmental Clearance.
27. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
28. The proponent shall furnish the detail about the built-up area for all the buildings with floor wise to TNPCB every year along with the compliance report for the Environmental Clearance.
29. Any violations and subsequent suitable action may be decided by SEIAA, as deemed appropriate, if arises.

Agenda No: 257-3

(File No: 7242/2019)

Proposed expansion of Residential Building at S.No 6580/1(P), in T.Nagar & 3819 Mylapore Village, Guindy & Mylapore Taluk, Chennai District by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s Tamil Nadu Slum Clearance Board)— For Environmental Clearance. (SIA/TN/MIS/122542/2019, 26.10.2019)

The proposal was placed in the 257<sup>th</sup> SEAC meeting held on 25.3.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website ([parivesh.nic.in](http://parivesh.nic.in)).

The SEAC noted the following:

1. The project proponent, M/s. Tamilnadu Slum Clearance Board has applied for Environmental Clearance for the Proposed Expansion of Residential Building at S.No 6580/1(P) in T.Nagar & 3819 Mylapore Village, Guindy & Mylapore Taluk, Chennai District.



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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. The proposal consists Phase -1 – Block – 1&2 – 5+9 floors, one office building with built-up area- 17200 Sq.m.
4. The proposal consists Phase -2 & 3 – 5+9 floors each - with built-up area- 44349 Sq.m
5. The Total Plot area is 21594 Sq.m with total built up are – 61,549 Sq.m.
6. As per G.O (Ms) No. 103 Housing & Urban development Dept Dt. 1.09.2021 the name of the proponent changed from M/s Tamil Nadu Slum Clearance Board to M/s. Tamil Nadu Urban Habitat Development Board.

Earlier, this proposal was placed before 148th SEAC meeting held on 13.3.2020 and 203<sup>rd</sup> respectively. During 203<sup>rd</sup> SEAC meeting, the committee instructed the project proponent to furnish the following details:

1. The Proponent shall furnish the approval from CMWSSB for supply of 539 KLD of fresh water for the proposed project.
2. It was proposed to utilize the treated water from STP of 262 KLD and 202 KLD from Grey water treatment plant, a total of 463 KLD for Avenue Plantation. A detail of committee shall be obtained from the competent Authority for utilizing the treated water of 463 KLD for Avenue Plantation shall be furnished.
3. The project is at close proximity to Mambalam tank bund canal at 10 m and Adayar River located at 1.06 km. Hence, the Proponent shall furnish the details on the design of the Storm water Management plan and Flood Management plan considering the 2015 flood with a clear layout plan.
4. It is noted that they have not obtained the CMDA approval for the existing building (Phase -I). The proponent is instructed to obtain the permission from the CMDA for the existing project.
5. A detailed storm water drainage plan with layout shall be furnished to drain out the storm water coming from the upstream side without any hindrance by designing the storm water drainage arrangement including the main drains and sub-drains to avoid the future flood inundation in the project site.

  
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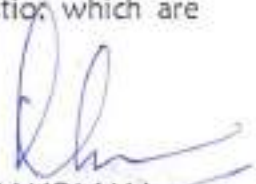
  
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6. The project proponent shall provide Community Hall, Children's play-ground as per the norms for the public usage.

The PP has furnished the said details vide Lr Dt 24.3.2022. The Proposal was once again placed in 257<sup>th</sup> SEAC held on 25.3.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall obtain fresh water supply commitment letter and disposal of excess treated sewage from CMWSSB before obtaining CTO
2. The project proponent shall let-out the generated Sewage through CMWSSB sewer line .
3. The project proponent shall provide Grey water treatment plant and treated water shall be utilized for flushing and green belt proposed. The excess grey water shall be let in to CMWSSB sewer line.
4. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable waste to authorized recyclers as committed.
5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
7. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
8. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
9. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
10. The proponent shall made compensatory plantation as per 1:10 ratio, which are affected during execution of the project.

  
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11. 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**, in consultation with the DFO, State Agriculture University and local school/college authorities. 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.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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
13. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
14. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
15. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
16. No waste of any type to be disposed off in any other way other than the approved one.
17. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
18. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.

  
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19. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
20. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
21. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
22. 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.
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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
24. As accepted by the Project Proponent the CER cost is Rs. 50 lakh and the amount shall be spent for (1) construction/renovation of Girls toilet with 24/7 water facility, (2) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins (3) tree plantation (see Appendix) and (4) Aiding sport facility and providing sport equipments for the students in Government Girls Hr. Sec School in Thiagaraya Nagar and Govt. Hr. Sec School Nandanam in consultation with School/Department authorities.

Agenda No: 257-4

(File No: 7752/2019)

Proposed Construction of New Tower Block for TNUHP (Supported by JICA) at S.F.Nos. 385/42 , 385/43, 385/9 & 385/10, Block No.24 of Kilpauk Village, Egmore Taluk, Chennai District, Tamil Nadu by M/s. Government Kilpauk Medical College - For Environmental Clearance. (SIA/TN/MIS/152886/2020, dated: 1.2.2021)

  
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The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Government Kilpauk Medical College, has applied for Environmental Clearance for the proposed Construction of New Tower Block for TNUHP (Supported by JICA) at S.F.Nos.385/42 , 385/43, 385/9 & 385/10, Block No.24 of Kilpauk Village, Egmore 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.
3. The proposal consists a Tower – G+6 Floors –with built up area – 24973.72 Sq.m and plot area is 18843 Sq.m
4. Earlier, the proposal was placed 217<sup>th</sup> meeting of SEAC held on 06.07.2021. The project proponent gave a detailed presentation. Based on the presentation and documents furnished by the project proponent, SEAC decided that this project is an expansion project. Hence the project proponent shall apply under expansion category along with previous EC compliance certificate. A sub- committee shall visit the site to access the current status of the project. SEIAA office has not scrutinized properly and sent the application directly without looking into these aspects to SEAC for appraisal.
5. Based on that the subcommittee has inspected the site on 2.2.2022 and reported the following
  - No EC was ever issued to Kilpauk Medical College Hospital for any of its buildings in the past. Hence compliance to the conditions of previous EC does not arise
  - It is an expansion project of the existing facilities and hence, has to be considered under the expansion category only.
  - All the replies to the EDS have been submitted by the Proponent.
  - Proponent has commenced construction of New Tower Block, as elaborated by them, without obtaining prior Environmental Clearance

  
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ostensibly due to the COVID pandemic urgency to make the Tower Block ready for managing the COVID situation. Moreover, the funding agency JICA has also stipulated stricter timelines for its completion, as explained by the Project Proponent. However, it is a violation. It is to be noted that this violation has no facility of window period. The construction is almost half way through.

- The sites for ETP and STP have been identified and earmarked.
- The project proponent has been advised to undertake Green belt development as soon as possible as the Place is dry and without vegetation.

Under the above circumstance, this subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. The SEAC noted that Proponent has commenced construction of New Tower Block, without obtaining prior Environmental Clearance due to the COVID pandemic urgency to make the Tower Block ready for managing the COVID situation. Moreover, the funding agency JICA has also stipulated stricter timelines for its completion, as explained by the Project Proponent. However, it is a violation. It is to be noted that this violation has no facility of window period. The construction is almost half way through.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to call for the following additional details from the proponent.

1. PP should explain in detail the exceptional circumstances and justification that warranted commencement of construction without obtaining prior Environment Clearance.
2. The PP should submit an affidavit stating that the PP is willing for the appraisal of the project as violation case.
3. The PP shall furnish the assessment of Ecological damage, Remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018.
4. The PP shall explore the possibilities of MLCP instead of surface parking and utilize the released space for green cover development.

  
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5. Commitment letter from competent authority for supply of water shall be furnished.
6. Details of the solid waste and bio-medical waste management plan shall be prepared as per solid waste management Rules, 2016 & Bio Medical Waste Management Rules 2016 and shall be furnished.
7. 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.

On the receipt of the same further deliberation will be done.

Agenda No: 257-5

(File No: 7951/2019)

Proposed construction of 780 Tenements at Appavoo Nagar and Subbu Pillai thottam T.S.No.3/1, at Mambalam Village, Mambalam Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s Tamil Nadu Slum Clearance Board)— For Environmental Clearance.

(SIA/TN/MIS/177588/2020, dated: 08.07.2021)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website ([parivesh.nic.in](http://parivesh.nic.in)).

The SEAC noted the following:

1. The Proponent, M/s. Tamilnadu Slum Clearance Board has applied seeking Environmental Clearance for the proposed construction construct 780 Tenements at Appavoo Nagar and Subbu Pillai thottam T.S.No.3/1, at Mambalam Village, Mambalam Taluk, Chennai District, Tamil Nadu.

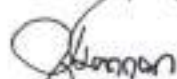
  
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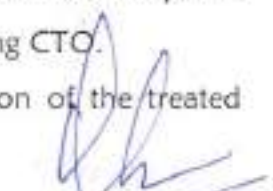
2. The project/activity is covered under Category "B2" of item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. As per G.O (Ms) No. 103 Housing & Urban development Dept Dt. 1.09.2021 the name of the proponent changed from M/s Tamil Nadu Slum Clearance Board to M/s. Tamil Nadu Urban Habitat Development Board.
4. The proposal consists Block -1 – 5+13 floors - 325 units and Block – 2 – 5+ 13 floors – 455 units with plot area – 9276.56 Sq.m & total built up area – 30,802.98 Sqm.
5. Earlier, this proposal was placed before 218th SEAC meeting held on 9.7.2021 and SEAC noted that the proponent and the EIA Coordinator have not attended the SEAC meeting due to network issue from their side and requested the SEAC to re-schedule their project for appraisal in any one of the forthcoming meetings. Hence, the SEAC has decided to defer the project for appraisal in any one the future meeting.

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall obtain fresh water supply commitment letter and disposal of excess treated sewage from CMWSSB before obtaining CTO
2. The project proponent shall let-out the generated Sewage through CMWSSB sewer line .
3. The project proponent shall provide Grey water treatment plant and treated water shall be utilized for flushing and green belt proposed.
4. The proponent shall dispose the organic waste through Grater Chennai Corporation as committed and non- Biodegradable waste to authorized recyclers as committed.
5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
7. The proponent shall make proper arrangements for the utilization of the treated



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water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.

8. The proponent shall provide the separate wall between the GWTP and OSR area as per the layout furnished and committed.
9. The proponent shall made compensatory plantation as per 1:10 ratio, which are affected during execution of the project.
10. 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, in consultation with the DFO, State Agriculture University and local school/college authorities. 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.
11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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
12. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
13. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
14. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
15. No waste of any type to be disposed off in any other way other than the approved one.

  
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16. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
17. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
18. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
19. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
20. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
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. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
23. As accepted by the Project Proponent the CER cost is Rs. 43 lakh and the amount shall be spent for (1) construction/renovation of Girls toilet with 24/7 water facility, (2) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins (3) R.O Plant and (4) tree plantation (see Appendix) in consultation with concerned Government Hr. Sec. School, Appavoo Nagar.

  
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**Agenda No: 257-6**

(File No: 8735/2012)

Proposed Construction of new hospital block, quarters, mortuary, kitchen and residential buildings at SF.No. 43 and survey no. 321/18 PT, 3 at Rajasuriyamadaï Village, Ramanathapuram Taluk, Ramanathapuram District by Dean cum special officer (Government Medical Hospital, Ramanathapuram) for Environmental Clearance- (SIA/TN/MIS/224416/2021, dated: 12.08.2021)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Dean cum special officer (Government Medical Hospital, Ramanathapuram), has applied for Environmental Clearance for the proposed Construction of new hospital block, quarters, mortuary, kitchen and residential buildings at SF.No. 43 and survey no. 321/18 PT, 3 at Rajasuriyamadaï Village, Ramanathapuram Taluk, Ramanathapuram 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.
3. The total plot area allotted for the expansion of hospital building is about 5.49.40 hectare with Proposed built- up area of 57,596 Sq.m and existing built-up area of 24,343 Sq.m.

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022 and SEAC noted that the EIA Coordinator has not attended the SEAC meeting and therefore SEAC decided to defer the matter.

**Agenda No: 257-7**

(File No: 8993/2022)

Proposed construction of housing facility for industrial workers under Affordable Rental Housing Complexes ("ARHC") Scheme of Government of India at SF.No. 200, 201/2, 202/2, 203/1, 203/3, 204, 205, 206/1, 206/3, 207/1, 207/3, 208, 209, 210/1, 210/3, 211/1, 211/3.

  
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212, 218, 273/1 & 273/3 at Nagamangalam Village Denkanikottai Taluk, Krishnagiri District by M/s Vidiyal Residency Pvt Ltd- for Environmental Clearance- (SIA/TN/MIS/254981/2022, dated: 04.02.2022)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

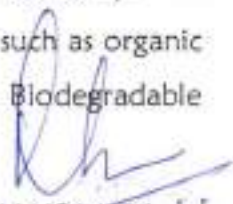
The SEAC noted the following:

1. The project proponent, M/s Vidiyal Residency Pvt Ltd, has applied for Environmental Clearance for the proposed construction of housing facility for industrial workers under Affordable Rental Housing Complexes ("ARHC") Scheme of Government of India at SF.No. 200, 201/2, 202/2, 203/1, 203/3, 204, 205, 206/1, 206/3, 207/1, 207/3, 208, 209, 210/1, 210/3, 211/1, 211/3, 212, 218, 273/1 & 273/3 Nagamangalam Village Denkanikottai Taluk, Krishnagiri 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.
3. The project consists 14 Blocks, G+1<sup>st</sup> to 10 floors - with total plot area is about 260698.74 Sq.m with Proposed built- up area of 144247.12 sq.m .

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall obtain fresh water supply commitment letter and disposal of excess treated sewage from TWAD/competent authority before obtaining CTO
2. The project proponent shall provide sewage treatment plant and treated water shall be utilized for flushing and green belt proposed and excess treated water shall be disposed after obtaining necessary permission from the Competent authority.
3. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non- Biodegradable

  
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waste to authorized recyclers as committed.

4. The height of the stacks of DG sets shall be provided as per the CPCB norms.
5. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
6. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR.
7. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
8. The proponent shall made compensatory plantation as per 1:10 ratio, which are affected during execution of the project.
9. 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, 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.
10. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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
11. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
12. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
13. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary

  
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Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.

14. No waste of any type to be disposed off in any other way other than the approved one.
15. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
16. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
17. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
18. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
19. The 100% of terraces shall be covered with solar panel.
20. Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
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 rent for women's workers will be charged 50% only.
23. The PP shall use a minimum of 10 Electric Busses for transporting the workers to the factory.
24. The PP shall provide adequate capacity of RWA pits inside the premises.

  
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25. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
26. As accepted by the Project Proponent the CER cost is Rs. 2 crore and the amount shall be spent for (1) Construction of community hall with library and e-Seva center, (2) Establishment of solid waste management centre, (3) Farmer awareness programs on soil Enrichment, (4) Water conservation and increasing productivity, (5) Rejuvenation of Nagammangalam lake, (5) Smart classroom for schools in few of the focus villages, (6) Solar street lamps for few of the focus villages, (7) Sports ground renovation to schools in few of focus villages, (8) Upgrading Anganwadi in few of the focus villages, (9) Water supply & rest room for schools and local hospitals in few of the focus villages and (10) Women skill development on dairy and animal husbandry at Lallikal, Nagamangalam, Balepuram, Nalralapalli and Haleseebam, Koothanapalli, Sigaralapalli in Krishnagiri district before obtaining CTO from TNPCB.

Agenda No: 257-8

(File No: 9072/2022)

Proposed Construction of Buildings for Establishment of Multi Super Specialty Hospital at SF.No. 35, Adyar Village, Guindy Mambalam Taluk Guindy Chennai District by Project Co-ordinator, MSSH Guindy, King Institute - for Environmental Clearance- (SIA/TN/MIS/258013/2022 Dt. 22.2.2022)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s Project Co-ordinator, MSSH Guindy, King Institute, has applied for Environmental Clearance for the proposed construction Buildings for Establishment of Multi Super Specialty Hospital at SF.No. 35, Adyar Village, Guindy Mambalam Taluk Guindy Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and

  
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Construction Projects” of the Schedule to the EIA Notification, 2006.

3. The project consists 1 Block – Semi Basement, GF +6 floors with total plot area is about 201034.20 Sq.m with Proposed built- up area of 51,188.63 sq.m .

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall obtain fresh water supply and disposal of sewage commitment letter from CMWSSB before obtaining CTO
2. The project proponent shall dispose generated sewage through CMWSSB sewer line.
3. The project proponent shall provide grey water treatment plant and treated water shall be utilized flushing and green belt development.
4. The treated & untreated sewage shall not be let in to the water bodies at any point of time.
5. The proponent shall dispose the organic waste through composting & it shall be utilized for manure as committed and non- Biodegradable waste to authorized recyclers as committed.
6. Bio medical waste shall be disposed through Bio medical waste Management Rules 2016.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
10. The proponent shall provide the separate wall between the GWTP and OSR area as per the layout furnished and committed.
11. The proponent shall made compensatory plantation as per 1:10 ratio, which are affected during execution of the project.

  
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12. 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, 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.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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
14. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
15. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
16. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
17. No waste of any type to be disposed off in any other way other than the approved one.
18. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
19. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.

  
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20. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
21. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
22. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
23. The proponent shall provide Tree tower at Entrance of the Hospital premises.
24. 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.
25. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
26. As accepted by the Project Proponent the CER cost is Rs. 345 lakh and the amount shall be spent for (1) tree plantation and garden development / maintenance / renovation at Queen Marries College Chennai/Model School Complex adjacent to Queen Mary's College and (2) Reconstruction and renovation Geological Museum at Presidency College in consultation with PWD authorities.

Agenda No: 257-9

(File No: 7675/2020)

Proposed multi colour granite quarry lease area over an extent of 3.90.5Ha of S.F.Nos.72/2A, 72/3, 72/4A and 72/4B Veeriyampalayam Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by M/s.Vinayaka Enterprises. - For Environmental Clearance. (SIA/TN/MIN/53105/2020 Dt. 15.11.2021)

  
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The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

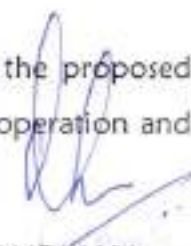
The SEAC noted the following:

1. The project proponent, M/s.Vinayaka Enterprises has applied for Environmental Clearance for the proposed multi colour granite quarry lease area over an extent of 3.90.5Ha of S.F.Nos.72/2A, 72/3, 72/4A and 72/4B, Veeriyampalayam Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent has issued with ToR vide Lr.No. SEIAA-TN/F.No.7675/SEAC/ToR-767/2020 Dt. 6.10.2020.
4. The production for 5 years not exceeds 106122 m<sup>3</sup> of ROM & 40% recovery of 42449m<sup>3</sup> of granite , with proposed depth – 16m. (BGL), EMP Cost – 11.70 lakhs.

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance production for 5 years not exceeds 106122 m<sup>3</sup> of ROM & 40% recovery of 42449m<sup>3</sup> of granite, with proposed depth – 16m. (BGL), subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
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

  
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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 i.e. quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not 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. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.
6. 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 and submit the consolidated report to TNPCB once in six months.

  
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7. 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. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
8. 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.
9. 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 in consultation with the DFO. State Agriculture University Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
10. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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.
11. The casualty of tree plants shall be replaced during successive year plantations.
12. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using the detonating cord/fuse of low grammage PETN (or) Gun powder (or) safety fuse for the extraction of the granite blocks in the quarry. However, the proponent shall use NONEL based shock tube initiation system only while carrying out the controlled blasting operations for the excavation of overburden and side burden even though no habitations (or) forest exists around the proposed site. The proponent shall not carry out any blasting operation involving the initiation system such as detonating cord safety fuse, ordinary detonators, cord relays, in the blasting operation carried out for the excavation of overburden and side burden. The mitigation measures for

  
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- control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of granite boulders shall be carried out in any occasions and only other suitable non-explosive techniques involving chemical agents shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) 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.
13. 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 and the abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.
  14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
  15. 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.
  16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.

  
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17. 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.
18. 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.
19. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted.
20. 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.
21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, 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.
22. 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.
23. 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

  
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Project Proponent liable for legal action in accordance with Environment and Mining Laws.

24. 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.
25. 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.
26. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).
27. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
28. 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.

  
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29.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 the EMP as committed.

30.As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls/boys toilet with 24/7 water facility, (2) Painting of entire school campus & provision of study benches for students (4) tree plantation (see Appendix) in school in consultation with concerned Panchayt Union Primary School, Veeriyampalayam Village, Karur District before obtaining CTO from TNPCB.

Agenda No: 257-10


(File No: 7721/2020)

Proposed Rough Stone and gravel Quarry lease area over an extent of 4.83.5 Ha of S.F.Nos. 131/1A, 131/1B, 131/1C1, 131/2A, 131/2B, 132/1 & 132/2A of Puliampatti Village, Palani Taluk, Dindigul District, Tamil Nadu by Tvl.KNR Constructions Limited, - For Environmental Clearance. (SIA/TN/MIN/55303/2020 Dt. 19.8.2021)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. 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, Tvl.KNR Constructions Limited has applied for Environmental Clearance for the proposed Rough Stone and gravel quarry lease area over an extent of 4.83.5 Ha of S.F.Nos. 131/1A, 131/1B, 131/1C1, 131/2A, 131/2B, 132/1 & 132/2A of Puliampatti Village, Palani Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent has issued with ToR vide Lr.No. SEIAA-TN/F.No.7721/SEAC/ToR-803/2020 Dt. 5.11.2020.

  
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4. The production for 5 years not exceeds 9,91,715 m<sup>3</sup> of Rough stone , 60,708 m<sup>3</sup> of Weathered rock and 80,944 m<sup>3</sup> of gravel , with proposed depth – 43.5 m. (BGL). EMP cost – 18.52 lakhs.

This subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the presentation made and documents furnished by the project proponent, SEAC decided to decided to recommend the proposal for the grant of Environmental Clearance for production for 5 years not exceeds 9,91,715 m<sup>3</sup> of Rough stone , 60,708 m<sup>3</sup> of Weathered rock and 80,944 m<sup>3</sup> of gravel , with proposed depth – 43.5 m. (BGL) subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall furnish certified compliance report of EC obtained earlier in the name of same proponent/Company to TNPCB before obtaining CTO and copy of the same furnished to SEIAA-TN.
2. The proponent shall frame Environmental Protection policy and the same shall be furnished to TNPCB before obtaining CTO and copy of the same furnished to SEIAA-TN.
3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
4. 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.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. 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 i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total

  
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excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not 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.

7. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
8. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
9. 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 and submit the consolidated report to TNPCB once in six months.
10. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
11. 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. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
12. Proper barriers to reduce noise level and dust pollution should be established by

  
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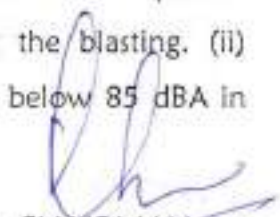
  
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providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.

13. 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 in consultation with the DFO, State Agriculture University Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
14. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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.
15. The casualty of tree plants shall be replaced during successive year plantations.
16. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in

  
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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.


17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
18. 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.
19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
20. The proponent shall ensure that the transportation of the quarried materials 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 rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
21. 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.
22. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
23. The Project proponent 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 that is fit for the growth of fodder, flora, fauna etc.

  
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24. 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.
25. The project proponent shall ensure that the provisions of the MMRD, 1956, 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 &

  
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M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016(M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

31. 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 as committed.

32. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakh and the amount shall be spent for activities of (1) construction/renovation of Girls/boys toilet with 24/7 water facility, (2) Painting of entire school campus & provision of study benches for students (4) tree plantation (see Appendix) in school in consultation with concerned Panchayat Union Primary School, Vannapatti Village, Dindigul District before obtaining CTO from TNPCB.

Agenda No: 257-11


(File No: 7204/2020)

Proposed Rough Stone and gravel Quarry lease area over an extent of 1.40.0 Ha of SF.No. 194/6, 194/7, 194/8, 194/9, 194/10, 194/11A, 194/11B, 194/12, 194/13, 194/14 & 194/15, Puliuran Village, Aruppukottai Taluk, Viruthunagar District by Thiru B. Sastiri - For Environmental Clearance. (SIA/TN/MIN/43451/2019 Dt.6.7.2020)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. 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, Thiru B. Sastiri has applied for Environmental Clearance for the proposed Rough Stone and gravel Quarry lease area over an extent of 1.40.0 Ha of S SF.No. 194/6, 194/7, 194/8, 194/9, 194/10, 194/11A, 194/11B, 194/12, 194/13, 194/14 & 194/15, Puliuran Village, Aruppukottai Taluk, Viruthunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 70500 m<sup>3</sup> of Rough stone, and

  
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32400 m3 of gravel , with proposed depth – 36 m (BGL). EMP cost – 3.56 lakhs.

4. Earlier, this proposal was placed before 171<sup>st</sup> & 209<sup>th</sup> SEAC meeting . During the 203<sup>rd</sup> SEAC meeting and SEAC noted the following

- i. In DD letter it is mentioned that 2013 there is already 20m depth but in all subsequent letter including RDO letter and also collector letter dated 10.06.2019 the existing depth has not been mentioned and also in DD letter it is mentioned as, "Being the mining plan prepared at very first time, without showing the existing depth it was approved by oversight. The existing depth at beginning of year 2013 is 20m from the ground level and further depth of 15m approved and environmental clearance was issued only for a depth of 15m"
- ii. It is not clear the actual depth of mining proposed is 15m or it is a mistake or the oversight is the depth of the mining.
- iii. The committee decided that, SEIAA shall write a detailed letter to district collector seeking correct information on the earlier approvals given and the actual condition after making a site visit with concerned authorities.
- iv. Meanwhile a sub-committee of SEAC would visit the site to ascertain the actual present conditions.

5. Based on that the subcommittee has been formed and inspected the site on 12.3.2022 and the observation is as follows

The sub-committee composed of Shri.K.Kumar, Member, SEAC and Dr. M R Ramasubramaniyan Member, SEAC. The sub-committee members were accompanied by Mr. S Senthil Murugan (S/o Mr B Sastiri, the Proponent) during the mine visit on 12.03.2022. The proponent was not able to join the visit due to his ill health and hence sent his son Mr S Senthil Murugan as his representative.

**Observations Made by the Sub-Committee:**


  
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1. The quarry is the only mine present in the vicinity of Puliyuran village.
2. There is a abandoned quarry just adjacent to the proposed site.
3. The abandoned quarry has not been fenced fully and fencing stones appear only on the north and eastern direction of the proposed site. The southern boundary is bordering with the abandoned quarry which is not fenced at all.
4. The partial fencing here means that the site has only fencing stones but not covered with barbed wire.
5. There is a crusher unit situated on the western boundary of the proposed site owned by the Proponent
6. The rain water filled in the abandoned quarry (which is also now owned by the proponent) is to the height of 20 m BGL. This water can be used for planting and maintenance of Green Belt in future
7. There is a railway line about 75 m on the southern side of the proposed site
8. The nearest habitation is in Ilangipatti village which is about 750 m from the proposed site on the north eastern side
9. There is one more habitation in Puliyuran village which is about 1.25 km from the proposed site.
10. Though there are trees in the vicinity of the proposed site, the site is devoid of well developed green belt
11. One open well is situated in the western side at around 300 m of the proposed site with water level at about 20 ft from the ground. This open well is in working condition
12. There is one more abandoned well on the eastern side of the proposed site
13. The mine is completely made up of Charnockite of massive nature

#### Recommendations

- The proposed site is a new site for mining.
- The office of the Department of Geology and Mining, Virudhunagar district had sent a clarification letter vide Lr KVI / 912 / 2018 dated 15.10.2020 citing that the earlier mining plan was prepared with less understanding and in the text

  
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mentioned as 15 mts depth by oversight.

- Moreover, the proposed site is adjacent to the site where the inspection by the AD has been carried out
- In view of the above, the sub-committee members recommend to the Chairman, SEAC that the Environmental Clearance may be issued to the Proposed mine as per the request made by the Proponent provided the proponent fulfils all the other laid down conditions applicable for EC clearance and granting of license

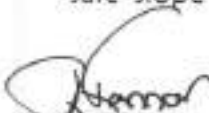
Under the above circumstance, this subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for production for 5 years not exceeds 70500 m<sup>3</sup> of Rough stone , and 32400 m<sup>3</sup> of gravel , with proposed depth – 36 m. (BGL), subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

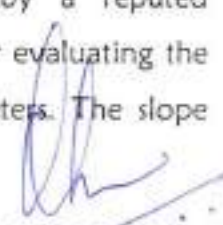
1. The proponent shall furnish Certified compliance report of EC obtained earlier in the name of same proponent/Company to TNPCB before obtaining CTO and copy of the same furnished to SEIAA-TN.
2. The proponent shall frame Environmental Protection policy and the same shall be furnished to TNPCB before obtaining CTO and copy of the same furnished to SEIAA-TN.
3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
4. 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.

  
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5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. 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 i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not 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.
7. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
8. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
9. 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 and submit the consolidated report to TNPCB once in six months.
10. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope

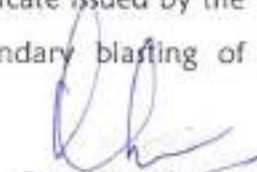
  
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stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.

11. 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. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
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 to be adopted by considering the wind direction.
13. 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 in consultation with the DFO, State Agriculture University Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
14. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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.
15. The casualty of tree plants shall be replaced during successive year plantations.
16. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of

  
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boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) 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.

17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
18. 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.
19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
20. The proponent shall ensure that the transportation of the quarried materials 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 rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
21. 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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22. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
23. The Project proponent 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 that is fit for the growth of fodder, flora, fauna etc.
24. 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.
25. The project proponent shall ensure that the provisions of the MMRD, 1956, 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.
26. 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.
27. 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.
28. 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.
29. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area

  
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communication letter issued by concerned District Collector should be strictly followed.

30. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).
31. 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 as committed.
32. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls/boys toilet with 24/7 water facility, (2) Painting of entire school campus & provision of study benches for students (4) tree plantation (see Appendix) in school in consultation with Govt. School Puliyan Village, Viruthunagar District before obtaining CTO from TNPCB

Agenda No: 257-12

(File No: B308/2021)

Proposed Rough Stone & Gravel quarry lease for the extent of 0.84.0 Ha of S.F.No. 251 (Part) & 263(Part) Alamelumangapuram Village, Vellore Taluk, Vellore District by Thiru K.Devendiran - For Environmental Clearance. (SIA/TN/MIN/197050/2021 Dt.7.2.2021)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. 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, Thiru K.Devendiran has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry



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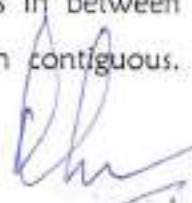
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lease for the extent of 0.84.0 Ha of S.F.No. 251 (Part) & 263(Part) Alamelumangapuram Village, Vellore Taluk, Vellore District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 37487 m<sup>3</sup> of Rough stone and 9598 m<sup>3</sup> of gravel , with proposed depth – 20 m. (BGL). EMP cost – 7 lakhs.
4. Earlier, this proposal was placed before 226<sup>th</sup> SEAC meeting held on 17.8.2021 and SEAC noted that there are 2 nos. of odai on the eastern and western side of the proposed mine lease area at SF. Nos. 265 & 262 respectively which was also not mentioned in the mine plan submitted. Further SEAC noticed that mining activity was carried out in the SF. No. 265. Hence, the SEAC decided to make an onsite inspection to assess the present status of the environmental settings and the water bodies nearby, by the sub-committee constituted by the SEAC.
5. Based on that, the subcommittee has been formed and inspected the site on 10.10.2021 and the observation is as follows
  - a) The proponent, Thiru.K.Devendiran proposed to operate a rough stone and gravel quarry over an extent of 0.84.0Ha in S.F.No.251(Part) & 263(Part) of Alamelumangapuram Village, Vellore Taluk, Vellore District, Tamil Nadu.
  - b) The project/activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
  - c) This is a fresh quarry and there was no previous quarrying operation. Some quantity of earth alone has been removed long back.
  - d) As per village records, there are two streams running west to east adjoining the proposed mining site and one stream runs in between survey No 251 & 263 which makes the mining site non contiguous.

  
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Mining in survey no 251 will affect flow of water in the nearby stream.

Moreover S.F.No.251 & 263 are not contiguous.

- e) There is no habitation within a distance of 500m
- f) There is Punganur RF in SE direction at a distance of 1Km and Vellore RF in the SW direction at a distance of 1 km approximately

#### RECOMMENDATIONS OF THE SUB COMMITTEE

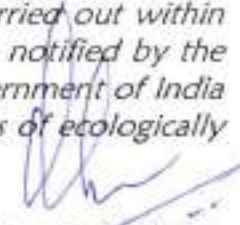
- a) The Sub-committee opines that quarrying in S.F.No.251 will affect flow of water in the stream in S.F.No.252. Moreover S.F.No.251 & 263 are not contiguous. Hence, quarrying in 263 (0.51.0Ha) alone may be considered.
- b) The quarry site is completely surrounded by dry lands.
- c) The land in survey no 251(0.33.0Ha) belongs to the proponent and so the proponent may be directed to raise green belt over the entire area of 0.33.0Ha.
- d) The proponent may be directed to demarcate the odai running in between S.F.No.251 and 263 as per FMB and the course may be cleaned and desilted in consultation with PWD and Revenue officials before commencing mining works necessary arrangements may be made to maintain the continuity of that odai up to SF.No. 250 and a safety distance of 20m shall be left from the odai so that flow of water downstream is not affected.
- e) The Subcommittee opines that the proposal for quarrying 0.51.0 Ha in SF.No. 263(p) of Alamelumangapuram Village, Vellore Taluk, Vellore District Tamil Nadu.

Under the above circumstance the proposal along with subcommittee report were again placed in 257th SEAC Meeting held on 25.3.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

*" ... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically*

  
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*sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests”.*

The Committee noted that the Vellore Fort Hill Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

Agenda No: 257-13

(File No: 8386/2021)

Proposed expansion of multi storied 3156 Tenements at SF.No. 479/2, 82, 483, 484, 485, 508, 509, 510, 511, 516, 517, 518, 523, 524/1, 524/2, 527, 528, 536, 537, 538, 539/2, 540, 540/1, 540/2, 541, 542, 543, 544, 546 Perumbakkam Village, Chengalpattu Taluk, Chengalpattu District Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s Tamil Nadu Slum Clearance Board)— For Terms of Reference. (SIA/TN/MIS/61147/2021 Dt. 24.2.2021)

The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. The project proponent gave a detailed presentation. 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. Tamilnadu Slum Clearance Board has applied for seeking Terms of Reference for the Proposed expansion of multi storied 3156 Tenements at SF.No. 479/2, 82, 483, 484, 485, 508, 509, 510, 511, 516, 517, 518, 523, 524/1, 524/2, 527, 528, 536, 537, 538, 539/2, 540, 540/1, 540/2, 541, 542, 543, 544, 546 Perumbakkam Village, Chengalpattu Taluk, Chengalpattu District Tamil Nadu.
2. The project/activity is covered under Category “B” of Item 8(b) “Township and Area development ” of the Schedule to the EIA Notification, 2006.
3. As per G.O (Ms) No. 103 Housing & Urban development Dept Dt. 1.09.2021 the name of the proponent changed from M/s Tamil Nadu Slum Clearance Board to M/s. Tamil Nadu Urban Habitat Development Board.



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4. The proposal consists 25236 tenements (Existing – 22080 + 3156 new tenements) with plot area – 768000 Sq.m (76.8 Ha) & total built up area – 9,07,816.98 Sqm.
5. The PP has obtained EC vide Lr.No. SEIAA/TN/EC/8(b)/023/f148/2008 Dt. 11.12.2008 and Lr.No. SEIAA-TN/F.7148/EC/8(a)/686/2019 Dt. 19.12.2019.
6. Earlier, this proposal was placed before 213rd SEAC meeting held on 11.6.2021. During appraisal it was found earlier 2 EC was obtained by the M/s. Tamil Nadu Slum Clearance Board. Now they are applying for a total of 9 blocks. There is no clear note of about what is their earlier activity and plan for present activity. Hence the concerned Engineer shall prepare a note on it, check the file with legal section and submit to SEAC for appraisal. The project proponent shall submit a clear note about the projects details, for which blocks earlier EC obtained for and now for which blocks they have planned for expansion etc., and shall submit for appraisal. Since the Project comes under expansion category the proponent shall apply under expansion. Also it is proposed to visit the site by committee members in order to assess the present condition.

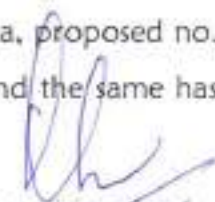
Based on that, the subcommittee has been formed and inspected the site on 22.02.2022 and the observation is as follows

TNUHDB has proposed to construct new 3675 tenements in the existing project site at Perumbakkam. The project was taken up for appraisal in 213 SEAC meeting on 11 Jun 21 under 8(b) category of E.1.A 2006. The SEAC has observed in its minutes that there were already 2 EC for this project and they are now applying for a 3rd EC without giving clear note of what was their earlier activity and plan for present activity. The project proponent was asked to submit a clear note about their past and present activities for further appraisal under expansion category. SEAC had also proposed a site visit to assess the present condition.

Accordingly, the site visit has been undertaken by SEAC Sub-Committee on 23 Feb 22 at Perumbakkam project site along with Executive Engineer and other officials of TNUHDB. The following are the observations.

1. The discrepancy in total no of existing tenements, total area, proposed no. of new tenements etc. has been noticed in their reports and the same has

  
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been verified by the Sub Committee. The reconciled and correct details now provided during the site visit is appended herewith. The present activity includes construction of 3156 tenements instead of 3675 originally applied over an area of 121800.92 Sq. Mt's for which TOR requested. Total built up area now comes to 901957.56 Sq Mts for 25236 tenements.

2. The construction of 3156 new tenements is proposed to be taken up in 09 phases. Hence, all the 09 phases have been inspected. It is noticed that the construction has commenced long back in all nine phases and are at various stages of completion/ progress. They have applied for TOR after almost completing the work. It is a clear case of violation.
3. The project area of existing tenements covered in EC 1 in 2008 and EC 2 in 2019 has been inspected for compliance of some of the important conditions of 2 EC issued. It is noticed that the occupation by the beneficiaries is 100% and all infrastructural facilities have been provided. Even though TNUHDB has not submitted periodical compliance reports, they have complied with the important EC conditions like Green Belt development, development of parks and play grounds, sewage collection and pumping with standby DG sets etc.
4. The Project Proponent and Environment Consultants have been advised to rework on water balance, STP requirements, SW/ management etc. afresh since there is variation in no. of tenements and areas. Window period for consideration of their project under violation category is not available. However, they have been advised to present the case in SEAC only under violation category and under expansion category as per the minutes of 213 SEAC.

Under the above circumstance the proposal along with subcommittee report were again placed in 257th SEAC Meeting held on 25.3.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the Project proponent has already obtained Environmental Clearance for the existing activities. Hence, the SEAC decided to recommend the proposal for the grant of Terms of Reference (TOR) for the

  
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proposal consists 25236 tenements (Existing – 22080 + 3156 new tenements) with plot area – 768000 Sq.m (76.8 Ha) & total built up area – 9,07,816.98 Sqm, subject to the following ToRs in addition to the standard terms of reference for EIA study and details issued by the MoEF & CC to be included in EIA/EMP report:

1. The PP shall include the detailed built up area break up Block wise/floor wise in the EIA.
2. The proponent shall furnish the design details of the STP treatment system.
3. 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.
4. Commitment letter from competent authority for supply of water shall be furnished.
5. Copy of the village map, FMB sketch and "A" register shall be furnished.
6. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
7. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
8. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
9. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
10. Details of the Rain water harvesting system with cost estimation should be furnished.
11. 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

  
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accordance with the guidelines prescribed by the Ministry of Urban Development.

12. The proposed OSR area should not be included in the activity area. The OSR area should not be taken in to account for the green belt area.
13. 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 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.
14. 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.
15. 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.
16. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the ground water, emission, noise and traffic.
17. The proposal for utilization of at least 10% of Solar Energy shall be included in the EIA/EMP report.
18. As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA, II 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: 257-14

(File No: 8514/2021)

Proposed Rough Stone and gravel Quarry lease area over an extent of 1.08.0 Ha of SF.No. 132/38(P), Unjavelampatti Village, Pollachi Taluk, Coimbatore District by Thiru V. Maruthvel - For Environmental Clearance. (SIA/TN/MIN/208024/2021 Dt.5.4.2021)

  
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The proposal was placed for appraisal in this 257<sup>th</sup> meeting of SEAC held on 25.3.2022. 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, Thiru V.Maruthvel has applied for Environmental Clearance for the proposed Rough Stone and gravel Quarry lease area over an extent of 1.08.0 Ha of SF.No. 132/3B(P), Unjavelampatti Village, Pollachi Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 47,268 m<sup>3</sup> of Rough stone and 99 m<sup>3</sup> of gravel , with proposed depth – 43 m. (BGL). EMP cost – 3.8 lakhs.
4. Earlier, this proposal was placed before 231<sup>st</sup> SEAC meeting held on 3.9.2021.
5. Based on the presentation and documents furnished by the project proponent, SEAC noticed that last permit was issued till 19.06.2021 and the project proponent filed application dated 20.01.2021. Hence SEAC decided that MS, SEIAA shall obtain clarification from AD, Mines.
6. Also the SEAC committee restricts the depth of mining to 38m ultimate depth and decided to conduct on spot site inspection by the committee members to verify the facts.
7. On receipt of the clarification letter from AD mines/Proponent and site-visit by the SEAC sub-committee, the SEAC would further deliberate on this project and decide the further course of action.

Based on that the sub-committee composed of Shri.K.Kumar, Member, SEAC and Dr. B.Gowtham, Member, SEAC has inspected the site on 2.3.2022 and the observation is as follows

  
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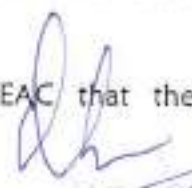
  
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1. This is the only existing active mine present in Unjavelampatti Viallge.
2. The proposed mine is completely fenced and entry of public is completely prevented
3. The benches of this open cast mine is well designed to prevent from deformation and erosion.
4. The rainwater filled in the existing quarry pit are pumped out to feed plantations in the nearby patta lands.
5. The mine is surrounded by well-maintained green belt and mostly covered by coconut plantations and neem trees and other trees
6. One abandoned mine is seen in the northeastern side of the proposed mine which is owned by Thiru. Marudavel. The abandoned mine is completely fenced.
7. Three open wells are located in north, northwest and eastern direction of the mine.
8. Two bore wells are located in western and south western direction of the mine.
9. All the open wells and bore wells are in working conditions and the groundwater from these wells is utilized by the plantations surrounded by the mine.
10. At present the mine is not functioning due to the Environmental Clearance for newly proposed depth of 43 m, BGL from 26 m, BGL.
11. The mine is completely made up of Charnockite of massive nature

#### Recommendations

- The AD, mines, Coimbatore has issued a letter stating that 1500 cu. Mt of rough stone was stocked in the lease premises, and the same stock was transported through valid permit issued by Dept. of Geology and Mining office till completion of lease period (AD Mines letter No. 109 / Mines / 2021 dated 22.10.2021).
- The SEAC sub-committee observed the depth of mining is 26 m, BGL which is the ultimate depth decided by the previous EC obtained.
- The sub-committee members recommend to the Chairman, SEAC that the

  
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Environmental Clearance may be issued to the Proposed mine as per the request made by the Proponent.

Under the above circumstance , this subject was placed before 257<sup>th</sup> SEAC meeting held on 25.3.2022. Based on the documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for production for 5 years not exceeds 47,268 m<sup>3</sup> of Rough stone and 99 m<sup>3</sup> of gravel , with proposed depth – 43 m. (BGL), subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall furnish Certified compliance report of earlier EC obtained to TNPCB before obtaining CTO and copy of the same furnished to SEIAA-TN.
2. The proponent shall frame Environmental Protection policy and the same shall be furnished to TNPCB before obtaining CTO and copy of the same furnished to SEIAA-TN.
3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. 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.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. 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 i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral

  
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transportation mode, ultimate depth of mining etc.) shall not 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.

7. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
8. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
9. 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 and submit the consolidated report to TNPCB once in six months.
10. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
11. 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. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
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 to be adopted by considering the wind direction.

  
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13. 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 in consultation with the DFO, State Agriculture University Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
14. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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.
15. The casualty of tree plants shall be replaced during successive year plantations.
16. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) 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



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- 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.
17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
  18. 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.
  19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
  20. The proponent shall ensure that the transportation of the quarried materials 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 rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
  21. 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.
  22. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
  23. The Project proponent 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 that is fit for the growth of fodder, flora, fauna etc.



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24. 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.
25. The project proponent shall ensure that the provisions of the MMRD, 1956, 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 &

  
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M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016(M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

31. 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 as committed.
32. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls/boys toilet with 24/7 water facility, (2) Painting of entire school campus & provision of study benches for students (4) tree plantation (see Appendix) in school in consultation with Govt. School Unjavelampatti Village, Coimbatore District before obtaining CTO from TNPCB



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## Appendix

### List of Native Trees Suggested for Planting

1. *Aegle marmelos* - Vilvam
2. *Adenanthura pavonina* - Manjadi
3. *Albizia lebbek* - Vaagai
4. *Albizia amara* - Usil
5. *Bauhinia purpurea* - Mantharai
6. *Bauhinia racemosa* - Aathi
7. *Bauhinia tomentosa* - Iruvathi
8. *Buchanania aillaris* - Kattuma
9. *Borassus flabellifer* - Panai
10. *Butea monosperma* - Murukka maram
11. *Bobax ceiba* - Ilavu, Sevvilavu
12. *Calophyllum inophyllum* - Punnai
13. *Cassia fistula* - Sarakondrai
14. *Cassia roxburghii* - Sengondrai
15. *Chloroxylon swietenia* - Purasa maram
16. *Cochlospermum religiosum* - Kongu, Manjal Ilavu
17. *Cordia dichotoma* - Mookuchali maram
18. *Creteva adansonii* - Mavalingum
19. *Dillenia indica* - Uva, Uzha
20. *Dillenia pentagyna* - Siru Uva, Sitruzha
21. *Diospyros ebenum* - Karungali
22. *Diospyros chloroxylon* - Vaganai
23. *Ficus amplissima* - Kal Itchi
24. *Hibiscus tiliaceous* - Aatru poovarasu
25. *Hardwickia binata* - Aacha
26. *Holoptelia integrifolia* - Aayili
27. *Lanea coromandelica* - Odhiam
28. *Lagerstroemia speciosa* - Poo Marudhu
29. *Lepisanthus tetraphylla* - Neikottai maram
30. *Limonia acidissima* - Vila maram
31. *Litsea glutinosa* - Pisin pattai
32. *Madhuca longifolia* - Illuppai
33. *Manilkara hexandra* - Ulakkai Paalai

  
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34. *Mimusops elengi* - Magizha maram
35. *Mitragyna parvifolia* - Kadambu
36. *Morinda pubescens* - Nuna
37. *Morinda citrifolia* - Vellai Nuna
38. *Phoenix sylvestre* - Eachai
39. *Pongamia pinnata* - Pungam
40. *Premna mollissima* - Munnai
41. *Premna serratifolia* - Narumunnai
42. *Premna tomentosa* - Purangai Naari, Pudanga Naari
43. *Prosopis cinerea* - Vanni maram
44. *Pterocarpus marsupium* - Vengai
45. *Pterospermum canescens* - Vennangu, Tada
46. *Pterospermum xylocarpum* - Polavu
47. *Puthranjiva roxburghii* - Puthranjivi
48. *Salvadora persica* - Ugaa Maram
49. *Sapindus emarginatus* - Manipungan, Soapu kai
50. *Saraca asoca* - Asoca
51. *Streblus asper* - Piraya maram
52. *Strychnos nuxvomica* - Yetti
53. *Strychnos potatorum* - Therthang Kottai
54. *Syzygium cumini* - Naval
55. *Terminalia bellerica* - Thandri
56. *Terminalia arjuna* - Ven marudhu
57. *Toona ciliate* - Sandhana vembu
58. *Thespesia populnea* - Puvarasu
59. *Walsura trifoliata* - valsura
60. *Wrightia tinctoria* - Vep

  
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