

## State Expert Appraisal Committee (SEAC)

Minutes of 381<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 08.06.2023 (Thursday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligal, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No.381 - 01.


File No. 2108/2013

Existing Multi-Coloured Granite quarry over an extent 04.89.0 Hectares at S.F No. 74/2,74/3A1A,74/3A1B,74/3A2,74/3B,75/2A1, 75/1A,75/2A2,75/2B,75/3B & 75/3D, Veeriyapalayam Village, Krishnarayapuram Taluk, Karur District by Thiru E.Dhanapal – Extension Of Validity for Environmental Clearance. (SIA/TN/MIN/298929/2023Dt:24.03.2023)

The proposal was placed in the 381<sup>th</sup> SEAC Meeting held on 08.06.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. Lease granted vide G.O. No. vide Letter No G.O.(3D) No. Industries (MMB-2) Department Dated, 12.02.2014 for the period of 20 years (21.02.2014 to 20.02.2034)
2. The Proponent, Thiru E.Dhanapal has obtained Environmental Clearance vide Lr. No.SEIAA-TN/F.No. 2108 /EC/1(a)/ 998 /2013 dated: 10.02.2014 valid upto 09.02.2019 for the Existing Multi-Coloured Granite quarry over an extent 04.89.0 Hectares at S.F No. 74/2,74/3A1A, 74/3A1B, 74/3A2,74/3B,75/2A1, 75/1A,75/2A2,75/2B,75/3B & 75/3D, Veeriyapalayam Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu for production of 3150 cu.m &1824 cu.m of Topsoil over a period of 5 Years and depth of mining 13m.
3. Later, SEIAA vide Lr. No. SEIAA-TN/F.No. 2108 /2013 Dated: 30.04.2021 issued clarification regarding to handle mineral within ROM 31502 CBM (Recovery reserves (Multi Colour Granite) -3150 CBM & Granite Reject – 28352 CBM).
4. Now, the PP submitted form – 6 vide proposal no. SIA/TN/MIN/298929/2023 Dt:24.03.2023 has requested for automatic

  
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1

  
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extension of validity of Environmental Clearance issued vide Lr. No.SEIAA-TN/F.No. 2108 /EC/1(a)/ 998 /2013 dated: 10.02.2014 as per MoEF&CC O.M Dt:13.12.2023.

5. Scheme of Mining plan (1<sup>st</sup> Scheme 2019-20 to 2023-24) approved by Commissioner, Department of Geology and Mining, Guindy, Chennai – 32, vide Letter No Rc.No.755/MM2/2023 Dated 20.02.2023.

Based on the presentation and documents furnished by the project proponent, SEAC noted that the validity of the Environmental Clearance for this proposal issued vide Lr. No.SEIAA-TN/F.No. 2108 /EC/1(a)/ 998 /2013 dated: 10.02.2014 expired on 09.02.2019 and the PP submitted the proposal on 24.03.2023 when the lease is subsisting but the EC granted already is not alive.

**MoEF & CC Notification S.O 1533, dated. 14.09.2006 & MoEF & CC Notification S.O. 1807, dated. 12.04.2022 clearly states on the extension of validity of extension of Environmental Clearance as follows:**

*"....This period of validity may be extended by the regulatory authority concerned by a maximum period provided an application is made to the regulatory authority by the applicant within the validity period of Environmental Clearance in the laid down proforma....."*


Based on the above, the SEAC after detailed discussion decided that the project proponent shall apply for fresh EC with mandatory documents as the date of filing the application is not within the validity period of Environmental Clearance although the lease is alive. Hence, the PP informed that he wanted to withdraw the proposal seeking Extension of validity of EC, vide SIA/TN/MIN/298929/2023Dt:24.03.2023, and apply for EC afresh. SEIAA may consider the withdrawal proposal as and when received.

**Agenda No: 380 – 02.**

**(File No: 7015/2019)**

**Proposed earth quarry lease over an extent of 0.39.5ha at S.F.No.45/4 in Thenpoduvakudi Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru.B.Prabakar - For Environmental Clearance.(SIA/TN/MIN/40739/2019, dated: 07.08.2019)**

  
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Earlier, the proposal was placed in this 207<sup>th</sup> SEAC Meeting held on 17.03.2021. The project proponent gave detailed presentation. 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.Prabakar has applied for Environmental Clearance for the proposed Savudu quarry lease over an extent of 0.39.5ha at S.F.No. 45/4 in Thenpoduvakudi Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication has been issued to grant the lease for a period of 6 Months only. The approved mining plan is also prepared accordingly for the period of 6 months with the production quantity of not to exceed 2862 Cu.m of Savudu by restricting the ultimate depth of 1.5 m BGL.
4. Revised precise area communication granted for a period of 1 Year. As per revised approved mining plan, the production quantity of not to exceed 2862 Cu.m of Earth for the period of 1 Year and the depth of mining 1.5 m BGL.

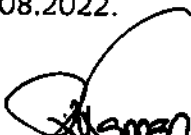
On initial discussion, as per The Hon'ble Madurai Bench of Madras High Court order in WP(MD) No 20903 of 2016 dated 28/08/2019 wherein it is stated that,

*"(i) The District Collectors of all the Southern Districts Viz., 13 Districts (i) Ramanathapuram, (ii) Madurai, (iii) Tiruchirappalli, (iv) Karur, (v) Thanjavur, (vi) Dindigul, (vii) Pudukottai, (viii) Theni, (ix) Sivagangai, (x) Virudhunagar, (xi) Thoothukudi, (xii) Tirunelveli, (xiii) Kanyakumari coming under the jurisdiction of this Court, are restrained from granting any fresh lease /license for quarrying Savudu sand in respect of patta lands; and*

*(ii) They are also directed to take necessary steps to cancel the lease/license already granted to the pattadars in accordance with law at the earliest."*

Hence, the SEAC decided to defer the proposal.

In view of the Hon'ble Madurai Bench of Madras High Court Order Dt: 25.04.2022, the proposal was again placed in this 306<sup>th</sup> SEAC Meeting held on 25.08.2022.

  
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3

  
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The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued the following directions.

- i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
- ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMDR Act.*
- iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government, in those notified areas.*
- iv. *The Department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*
- v. *The details of all the savudu quarries shall also be furnished to the High Level Committee and High Level Committee shall inspect those quarries to ascertain the availability of sand in those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*
- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*

- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. *Whenever, SEIAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.*

Acting on the above Judgment, the Director of Geology and Mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a lease period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

The Committee, therefore, directed the proponent to submit the following additional details for further processing the proposal.

1. Revised precise area communication and revised mining plan avoiding colloquial name of mineral and revising the period of lease for a period of not less than 1 year.
2. The letter of precise area communication issued by the concerned competent authority (Asst Director / Geology & Mining, Cuddalore District) shall contain the details of composition / component of the minerals present in the proposed quarry lease based on the test results obtained from labs authorized by Director of Geology and Mining. Besides, the precise area communication shall also state that the applied area/the proposed quarry site does not lie adjoining to any

  
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river, canals, streams, etc and also does not comes under any notified / declared protected zones.

3. PP shall furnish the DFO letter indicating the proximity details of nearest RF, WLS, Tiger reserve etc., located within 25 Km radius.

In this connection, the PP has furnished reply vide Lr. Dt: 19.12.2022. The subject was again placed in the 381<sup>st</sup> SEAC meeting held on 08.06.2023. The reply of the PP vide presentation during appraisal as follows.


S.No	Queries	Reply by PP
1.	<p><i>Revised precise area communication and revised mining plan avoiding colloquial</i></p> <p><i>Name of mineral and revising the lease period of not less than 1 year .</i></p>	<ul style="list-style-type: none"> <li>● As suggested by the committee I have obtained revised precise area communication letter from AD mines, Ramnathapuram district vide Rc.No. G&amp;M.2/110/2016 dated 18.10.2022 (Annexure -1 of the modified mining plan report) stating the mineral to be mined as earth and the lease period as 1 year .</li> <li>● Accordingly modified mining plan report is also prepared and got approved from AD mines. Ramanathapuram district vide letter no Rc.No. G&amp;M.2/110/2016 dt:07.11.2022. Copy of the modified mining plan report is given vide Enclosure – 7.</li> <li>● Modified Mining plan approval letter and revised letter showing the details of quarries within 500 m radius is given vide Enclosure 2 &amp; 3 respectively.</li> </ul>

2.	<p><i>The letter of Precise area communication issued by the concerned competent authority (Asst Director / Geology &amp; Mining) shall contain the details of composition / component of the</i></p> <p><i>minerals present in the proposed quarry lease based on the test results obtained from labs authorized by Director of Geology and Mining. Besides' the precise</i></p> <p><i>area communication shall also state that the applied area / the proposed quarry site does not lie adjoining to any river. Canals, streams etc and also does not comes under any notified / declared protected zones</i></p>	<ul style="list-style-type: none"> <li>● Soil test report carried out through Division of soil Mechanics and Foundation Engineering, Anna University, Chennai 600 025 authorised by Director of Geology &amp; Mining is given vide Enclosure – 4.</li> <li>● This test result was submitted to AD mines, Ramanathapuram. Letter in this regard &amp; also stating that the quarry does not lie a joining to the river, streams, canals etc', and also does not come under any notified / declared protected Zones is received from AD mines and a copy of the same is given vide Enclosure – 5.</li> </ul>
3.	<p><i>PP shall furnish the letter indicating the proximity WLS, Tiger reserve etc ' located within 25 Km radius.</i></p>	<p>Letter from DFO stating the distance of the nearest forest and sanctuary is given vide Enclosure – 6.</p>

I kindly request you to consider my proposal for issue to environmental clearance for Removal of 2,862m<sup>3</sup> of Earth up to 1.5m depth for One year period as against 2,862m<sup>3</sup> of savudu up to 1.5m depth six months period mentioned earlier.

**Salient features of the proposed project activity:**

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner/Firm	Thiru.B.Prabakar S/o. Baluchamy 1/128, Sellur , Kiliyur Post Muthukalathur Taluk Ramanthapuram District - 623 712.

  
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7

  
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2.	Type of quarrying (Savudu/Rough Stone/ Sand/ Granite)	:	Earth
3.	S.F No. Of the quarry site with area break-up	:	S.F.No.45/4
4.	Village in which situated	:	Thenpoduvakudi
5.	Taluk in which situated	:	Paramakudi
6.	District in which situated	:	Ramanathapuram
7.	Extent of quarry (in ha.)	:	0.39.5ha
8.	Latitude & Longitude of all corners of the quarry site	:	09°28'51.05"N to 09°28'55.21"N 78°32'59.59"E to 78°33'02.36"E
9.	Topo Sheet No.	:	58 - K/11
10.	Type of mining		Opencast method of shallow Mining
11.	Period of quarrying proposed	:	1 Year
12.	Production (Quantity in m <sup>3</sup> )	:	2862 Cu.m of Earth
13.	Depth of quarrying	:	1.5m
14.	Depth of water table	:	30m BGL
15.	Man Power requirement per day:		7 Nos.
16.	Source of Water Requirement		water vendors
17.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt &Wet Drilling (in KLD)	:	1.0 KLD 0.3 KLD 0.4 KLD 0.3 KLD
18.	Power requirement a. Domestic Purpose b. Industrial purpose		TNEB

  
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19.	Whether any habitation within 300m distance	:	No
20.	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	:	Rc.No.110/G&M.2/2016, dt:18.10.2022
21.	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	Rc.No.110/G&M.2/2016, dt:07.11.2022
22.	Deputy Director, Department of Geology and Mining 500m cluster letter	:	Rc.No.110/G&M.2/2016, dt:07.11.2022
23.	Deputy Director, Department of Geology and Mining in regard to Rivers, Streams, Canals,etc & protected areas letter	:	Rc. No. G&M.2/110/2016, dt:07.11.2022
24.	Soil Test Report	:	Lr. Dt:11.10.2022 from Division of Spoil Mechanics and Foundation Engineering, Dept. of Civil Engineering, College of Engineering Guindy Campus, Anna university Chennai
25.	VAO certificate regarding 300m radius cluster	:	Letter dt: 20.11.2022
26.	DFO letter	:	DFO, Ramanathapuram Lr. Dt:14.09.2022.
27.	Project Cost (excluding EMP cost)	:	Rs.5.55 Lakhs

  
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9

  
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28.	EMP cost	:	Rs.3.54 Lakhs
29.	CER cost	:	Rs.1.5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the **grant of Environmental Clearance for the period of ONE Year and the quantity shall not exceed 2862 Cu.m of Ordinary Earth and the depth of mining upto 1.5m BGL** subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The PP shall change all the documents including the Mining Plan from "Red Earth" to "Ordinary Earth" as per the TN G.O. (Ms). No.244, dated. 14.12.2022 before executing the lease.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 accordingly.
3. 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.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
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.

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.
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.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. 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.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. 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

  
MEMBER SECRETARY  
SEAC -TN

11

  
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SEAC TN

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.

15. 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.
16. 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, as per
17. 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.
18. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
19. 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) by the proponent without fail.
20. 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.
21. 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.
22. 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.

23. 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.
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. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
27. As accepted by the Project proponent the CER cost is Rs. 1.5 lakhs and the amount shall be spent for the Panchayat Union Primary School-Elanthaikulam Village as committed, before obtaining CTO from TNPCB.

**Agenda No: 381-03**

**(File No: 5700/2016)**

**Proposed Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Asian Paints Limited – Category “B1”-5(h) – Integrated Paint Industries –For Environmental Clearance under Violation- (SIA/TN/IND2/21322/2016, dated 12.12.2017.**

The proposal was placed in 381<sup>st</sup> SEAC meeting held on 08.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

The Proponent, M/s. Asian Paints Limited, has applied for Terms of Reference for the proposed expansion of paints and water-based polymers manufacturing in their

  
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SEAC -TN

13

  
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SEAC- TN

existing facility at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu on 22.08.2016.

In response to the application, Terms of Reference (ToR) was issued vide Lr.No. SEIAA-TN/F.No. 5700/SEAC- LXXXV/5(h)/ToR – 281/2017 dated: 07.07.2017. Public hearing was exempted as per section 7(i), (iii) stage (3), Para (i)(b) of EIA Notification, 2006.

Based on the ToR issued, the proponent prepared the EIA report and submitted the same to SEIAA on 18.12.2017. On scrutiny of the EIA report, certain additional details were called vide office letter dated: 03.01.2018. The proponent has furnished the detail in the letter dated: 25.01.2018 received by SEIAA on 30.01.2018.


The EIA report was placed in the 105<sup>th</sup> meeting of the SEAC held on 23.03.2018.

The salient features of the project are as follows:

1. The production of paint will increase from 140000 KL/annum to 200000 KL/annum and water-based polymer will increase from 39000 KL/annum to 65000 KL/annum.
2. The ToR for expansion has been obtained on 07.07.2017. The industry operation was started in 2005.
3. The existing water requirement is 450 KLD and will be increased to 650 KLD.
4. No additional land is required.
5. The industry produces effluents which are treated and utilized within the industry premises under ZLD system. Industry produces a variety of hazardous wastes. Proponent says that they are managed as per regulations. The industry also emits air pollutants and noise is also appearing to be a problem.

In view of the fact that the industry has potential to cause pollution in the form of gaseous emission, effluents, hazardous waste and noise, the SEAC decided to make an on-the-spot inspection of the industrial operation to learn about the present status of compliances of Environmental pollution control and based on the inspection, SEAC will decide the further course of action.

As per the order Lr.No.SEAC-TN/F.No. 5700/2016 dated: 23.03.2018 of Member Secretary, SEAC, a Technical Team comprising of the SEAC Members was constituted to inspect and study the field conditions in the proposed capacity expansion of existing

  
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14

  
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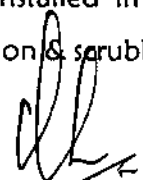
paint and water based polymers manufacturing of m/s. Asian Paints limited in a notified industrial area at plot no. E6, E7, F11, F12, F13, F6 PT & F7 pt, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamilnadu. Accordingly, the technical team conducted the inspection on 07.04.2018 and submitted the report to SEAC on 10.05.2018.

The inspection report was placed before the 111<sup>st</sup> SEAC meeting held on 15.05.2018. A summary of the review of the actual field inspection. The following are the salient features of the report:

1. The technical team noted that the water requirement of the project will increase from 450KLD to 650KLD post expansion. When enquired about the source of this additional water requirement, the proponent team informed about the approval sought from SIPCOT for the supply of this additional water. A copy of the letter submitted to SIPCOT was sought in the additional details that are to be submitted to SEAC post the inspection. Out of 450KLD now used, 250 KLD is drawn from borewells which is being regularized.
2. The technical team noted that the existing ETP (104 KLD) and STP (63 KLD) would be adequate in handling the scenario post expansion. Industrial Effluent generated from the process is taken to ETP where after biological treatment the treated water is fed into Reverse Osmosis systems and then into MEE & ATFD system to obtain salt from the system. This facility is a zero liquid discharge facility. The increase in effluent post expansion will be treated in existing ETP without any modification.
3. The process of paint manufacturing and water-based polymer manufacturing was detailed by the proponent. The sources of air pollution (powder dust & VOCs), effluent generation (Industrial Effluent) and hazardous waste generation were explained through the process flow diagram. Dust collectors for controlling the dust emissions and Scrubber system for controlling the VOC emissions have been installed in the industry. Post expansion, it was proposed that dust collection & scrubbing

  
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15

  
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SEAC- TN

system capacity will be adequately increased. The VOC concentration from two scrubbing system is connected to the TNPCB – CARE Air Centre. Technical team asked the proponent to submit the details of efficiency improvement of the scrubbing system in the additional details. The details of the capacity augmentation for scrubbers were also sought.

4. Technical team asked to submit the MSDS of any two powder raw materials handled in bags causing powder emissions in the area and the ratio of powder raw material handled in tankers to the powder raw material handled in bags as additional details.
5. Technical team asked the environmental monitoring reports of boiler stack and ambient air quality as additional details.
6. Technical team asked the proponent to submit the characteristics of input effluent and output treated water as additional details.
7. Domestic sewage generated in the facility is treated in a STP which is already available. As there will be no increase in manpower post-expansion, no increase in sewage generation is expected and existing STP would suffice.
8. The hazardous waste generated at present are of 14 categories. The hazardous wastes are sent to GEPIL for pre-processing, to TNWML for landfilling/incineration and to authorized recyclers for recycling. Increase in hazardous waste is expected after expansion, and proponent confirmed the same. Post expansion also, the hazardous wastes will be sent to GEPIL for pre-processing, to TNWML for landfilling/incineration and authorized recyclers for recycling. Quantity wise, some are quantified in tonnes/annum and some in barrels. The present hazardous wastes 189.44 Tonnes/annum will increase to 236.84 tonnes/annum. The wastes in barrels will be handed over to authorized recyclers.
9. Technical team asked the proponent to submit the following documents with respect to hazardous waste management.
  - 1.9.1 MoU signed with GEPIL and TNWML.
  - 1.9.2 Latest Hazardous Waste Authorization obtained from TNPCB.



10. Technical team noted that the green belt area in the plant is 31310 sq.m which constitutes to 25% of the total plot area (124590 sq.m). The proponent was asked to increase the green belt area from 25% to 33% as per the requirement. The proponent informed the technical team that when the plant was started in 2005, the consent to establish mandated to maintain 25% green belt and since then the plant is complying to the same. Increasing the green belt inside the factory is not possible as no vacant land available in the factory. Proponent confirmed that additional 8% green belt area (10000 Sq.m) will be developed outside the factory, in the road median of SIPCOT road after obtaining due permissions from SIPCOT. Technical team asked the project proponent to submit the plan for green belt development as additional details.
11. Technical team reviewed the species of trees present inside the factory and suggested to eliminate few invasive species and plant more native species.
12. Technical team enquired about the ground water quality and asked the proponent to submit the ground water quality report.
13. Technical team asked about the VOC concentration in the product during application and asked to submit the same as additional details.
14. Technical team reviewed the RWH system inside the factory and the proponent confirmed that already projects are in progress for recharging the ground water with the run off generated from roof top of buildings. The plan for future is to have 30 recharge structures.
15. Technical team reviewed upon the CSR projects implemented by the factory in the nearby communities. The proponent is working in 3 major areas – Health & Hygiene, Education and Environment (Water).
16. Technical team asked the proponent to submit the details of CSR projects where the infrastructural support to village schools is done. Proponent confirmed that they have adopted government schools and provided infrastructural support like toilets, benches, painting, sports equipment, smart classrooms etc.

  
MEMBER SECRETARY  
SEAC -TN

17


  
CHAIRMAN  
SEAC- TN

The technical team has made the following recommendations:

1. Green belt area to be maintained as 33% area of total plot area. Proponent to develop additional required green belt area (10000 Sq.m) outside the factory (SIPCOT land) as committed. This should be completed and evidence shown before getting EC.
2. The proponent should take steps to increase the capacity of the dust collectors and scrubbers as committed.
3. The proponent must manage the additional hazardous wastes as per the regulatory norms as committed.
4. Regarding the CSR, the proponent should have spent at least Rs. 1.2 Crores every year on CSR activities. There is a deficit of Rs. 78 lakhs for the year 2013-2014 and a deficit of Rs. 11 Lakhs for the year 2014-15, regarding CSR fund utilization. Adding Rs. 78 Lakhs + Rs. 11 lakhs, amounts to Rs. 89 Lakhs. This amount of Rs. 89 Lakhs should be spent on CSR before getting EC and submit the receipt to SEIAA-TN. In future, 2 % of the profit for this unit or an amount of Rs. 1.2 Crores, whichever is higher should be spent on CSR activities annually.
5. The Technical Team recommends to SEAC the proposal of M/s. Asian Paints Limited for the proposed capacity expansion of existing paint and water based polymers manufacturing at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for recommendation for the grant of EC, subject to the conditions that the proponent fulfils the commitment made by him in the revised report and the proponent fulfils the condition imposed in S.no.1-4 in addition to the normal conditions.

The SEAC accepted the recommendations of the inspection team. In the case of CSR, the following will be the schedule for utilization of the CSR funds:

- i. The amount of Rs. 89 Lakhs should be spent out of the previous year allocation. Out of this, Rs. 20 lakhs should be contributed for "Anamalai Tiger Conservation Foundation" and the DD favouring "The Executive director, Anamalai Tiger Conservation Foundation, Pollachi", for the

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC-TN

purposes of Eco tourism activities including purchase of necessary vehicles to carry the visitors and submit the receipt, before getting EC from SEIAA.

- ii. The remaining RS. 69 Lakhs should be contributed in the form of DD favoring Environmental Management Authority of Tamil Nadu (EMAT), Department of Environment for the purpose of planting avenue tree saplings in Chennai and proof submitted to SEIAA-TN before getting CTO from TNPCB.
- iii. For the future years, 2 % of the profit for this unit or an amount of Rs. 1.2 Crores, whichever is higher should be spent on CSR activities annually.

The SEAC decided to recommend the proposal to SEIAA for grant of EC for the proposed capacity expansion of existing paint and water-based polymers manufacturing of m/s. Asian Paints Limited in a notified industrial area at plot no. E6, E7, F11, F12, F13, F6 PT & F7 pt, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu subject to the conditions already stipulated in the minutes in addition to the normal conditions.

Subsequently, it was placed in 529<sup>th</sup> SEIAA meeting held on 05.07.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC. The Authority noted that,

Terms of Reference (ToR) was issued to M/s. Asian Paints Limited, for the proposed expansion of paints and water-based polymers manufacturing in their existing facility at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide Lr.No. SEIAA-TN/F.No. 5700/SEAC- LXXXV/5(h)/ToR – 281/2017 dated: 07.07.2017. Public hearing was exempted as per section 7(i), (iii) stage (3), Para (i)(b) of EIA Notification, 2006, and request to submit the EIA/EMP report to SEIAA for grant of Environment Clearance.

Based on the ToR issued, the proponent prepared the EIA report and submitted the same to SEIAA on 18.12.2017. SEAC vide minutes of 111<sup>th</sup> meeting of SEAC dated 15.05.2018 has furnished its recommendation to the Authority for grant of Environmental Clearance under B1 Category subject to the conditions stated therein.

Meanwhile a complaint was received from one Thiru.R.GokulRaj, Thiruvallur against the unit on 17.05.2018 stating that **“the industry had been operating without**

  
MEMBER SECRETARY  
SEAC -TN

19

  
CHAIRMAN  
SEAC- TN

**EC from 2009 and it is a case of violation. Therefore, consider our attached complaint and delist the project and also initiate appropriate prosecution against the industry operation of the plant without environmental clearance”.**

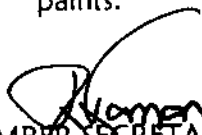
The proposal was placed in the 335<sup>th</sup> meeting of SEIAA held on 31.12.2018. The Authority decided to obtain the necessary clarification from Tamil Nadu Pollution Control Board, regarding the above said complaint stated above. The above minute was communicated to TNPCB and the proponent vide this office letter dated: 22.01.2019. Reply has been received from TNPCB vide letter dated 06.05.2022 enclosing the following O.M.

**MoEF&CC O.M. No.F.No.IA-J-11013/103/2021-IA-II(I) (E169446) dated: 21.03.2022**

“The ministry is in receipt of requests for clarification with regard to the applicability of EIA Notification, 2006 for industries which are involved in manufacturing of paints along with manufacturing of ingredients.

2. Integrated paint industries are covered under schedule 5(h) of the EIA Notification 2006 and require prior EC. The EIA technical guidance manual of ministry mentions that in most cases of paint manufacturing industries, the manufacturing facilities purchase the raw materials and then formulate or blend rather than react to produce a finished product. For the purpose of EIA notification 2006 the said guidance manual defines the integrated paint industry as an industry, which is involved in not only formulation (physical mixing of ingredients) of paints, but also in manufacturing of ingredients such as resins lacquers, varnishes etc.

In view of the above, it is clarified that any paint industry which is involved in manufacturing of ingredients such as resins lacquers, varnishes etc besides formulation (physical mixing of ingredients) of paints shall require prior EC as per schedule 5(h) of the EIA Notification, 2006 as amended from time to time. It is also clarified that the ingredients are not restricted to resins lacquers, varnishes but it may also include any ingredient such as polymers/co-polymers etc, including water based polymer which are used in the manufacturing of paints.

  
MEMBER SECRETARY  
SEAC -TN

20

  
CHAIRMAN  
SEAC- TN

After detailed discussions the Authority decided to refer back the proposal to SEAC TN along with the TNPCB reply & O.M dated: 21.03.2022.

Again, this proposal was placed for reappraisal in the 305<sup>th</sup> meeting of SEAC held on 23.08.2022. The project proponent made a request vide email dated: 20.8.2022 stating their inability to attend the meeting. Hence the SEAC deferred the proposal. Thereafter, the proposal was placed for appraisal in the 317<sup>th</sup> meeting of SEAC held on 06.10.2022 and during the presentation, the PP requested time to produce certain additional details.

**Based on the receipt of the Proponent's reply, the proposal was placed again in the 324<sup>th</sup> meeting of SEAC held on 21.10.2022. During the meeting the PP stated the following.**

*"At the outset, we thank you for giving us your valuable time at captioned meeting on 21<sup>st</sup> October 2022 and granting us an opportunity of making our written submissions as set out below.*

*1) Asian Paints Limited ("APL") has been present in India for 75+ years and has been operating on PAN India basis with manufacturing facilities spread across length and breadth of country. Compliance of law is and has been always at core of APL. Additionally, APL is committed to protecting environment with an intent to reduce environmental footprint by adhering to the highest operational standard. APL factories follow stringent environmental standards resulting in granting of ISO 14001 certification for environment management systems.*

*2) As submitted by APL to your good offices on 21<sup>st</sup> October 2022 and in our various previous correspondence, set out below in a nutshell are the facts for your kind consideration:*

- i. APL operates a Paint manufacturing plant at Sriperumbudur, Tamil Nadu ("SRIP Plant). As per the provisions of the Air (Prevention and Control of Pollution) Act, 1981 ("Air Act") and the Water (Prevention and Control of Pollution) Act, 1981 (Water Act). APL obtained Consent to Establish (CTE) from Tamil Nadu Pollution Control Board (TNPCB) on 29th October 2003 to set up its SRIP Plant APL also obtained the Consent to Operate (CTO) on 6<sup>th</sup> January 2005 for SRIP Plant*
- ii. In 2006, when production of water-based polymers was planned, APL approached Tamil Nadu Industrial Guidance and Export Promotion Bureau for single window clearance. Reportedly, non-EIA resolution was*

  
MEMBER SECRETARY  
SEAC -TN

21

  
CHAIRMAN  
SEAC- TN

passed by TNPCB on 07<sup>th</sup> September 2006. On 11<sup>th</sup> September 2006, CTES for production of 1.00.000 KL/Annum of water-based Paints and 3,250 KL/month of water-based polymers for SRIP Plant were obtained from TNPCB.

- iii. The Ministry of Environment and Forest ("MOEF") issued EIA Notification 2006 on 14<sup>th</sup> September 2006 ("EIA Notification 2006"). Clause 4 of the EIA Notification 2006 mandates that all projects and activities falling under Category B of the Notification should obtain EC from State Level Environment Impact Assessment Authority ("SEIAA"). "Integrated Paint Industry" is classified as a Category B project in Clause 5 (h) of the EIA Notification 2006, wherein prior EC must be obtained from SEIAA, however "Integrated Paint Industry" was not defined in the EIA Notification 2006.
- iv. APL obtained CTO renewals between 2006 and 2009. In 2009, APL obtained CTOES from TNPCB for increasing the production capacity of the water-based paints from 1,00,000 KL/annum to 1,40,000 KL/annum at the SRIP Plant. After 2009, subsequent renewals of CTO were obtained from TNPCB till 2019 and all conditions in CTO were duly complied by SRIP Plant. SRIP plant had also paid for CTO renewal application (Air and Water) till 2024.
- v. It was only in December 2010, MOEF issued the Technical EIA Guidance Manual ("**2010 Guidance Manual**") which defined "Integrated Paint Industry" as "an industry, which is involved in not only formulation (physical mixing of ingredients) of paints, but also in manufacturing of ingredients such as resins, lacquers varnishes, etc."
- vi. In 2016, SRIP Plant proposed a further expansion to increase its production capacity of the (i) water-based paint from 1.40,000 KL/annum to 2,00,000 KL/annum, and (ii) water-based polymers from 39,000 KL/annum to 65,000 KL/annum. ("**Proposed Expansion**")
- vii. Definition of Integrated Paint Industry in the 2010 Guidance Manual did not list water-based polymer specifically as an ingredient. However, out of abundant caution and to be fully compliant with the law, rules and regulations, APL on 22<sup>nd</sup> August 2016 applied to SEIAA for the Terms of Reference (TOR) and EC for the Proposed Expansion. Consequently, on 7 July 2017, SEIAA granted TOR to APL.
- viii. We humbly submit that, though the 2010 Guidance Manual defined Integrated Paint Industry, there was no clarity as to whether the activities carried out at SRIP Plant prior to 2016 would attract EIA Notification 2006 and in view of such ambiguity TNPCB vide its letter dated 9 September 2021 sought clarification from MOEF on whether the activities of SRIP Plant would attract EIA Notification 2006.

- ix. On 20 September 2021, MOEF issued an Order and directed all state pollution control boards:
- a) to ascertain applicability of EIA Notification at the time of grant or renewal of CTE
  - b) to ensure that the project proponent possesses a valid prior EC in terms of the EIA Notification, if applicable at the time of grant/renewal of CTO and no CTO would be granted or renewed unless EC, if applicable has been obtained.
- x. Consequently, Central Pollution Control Board (CPCB) responded vide its letter dated 8 October 2021 to TNPCB and informed that all projects of integrated paint industries have been placed under category B in the Schedule (list of projects or activities requiring prior environmental clearance of the EIA 2006), CPCB further quoted Paragraph 4 (m) of the EIA Notification 2006 in its response letter dated 8 October 2021. It was only upon receipt of above response from CPCB on 8 October 2021 that TNPCB vide its letter dated 9 December 2021, directed APL to seek clarification from MOEF on the applicability of the EC for the activities at SRIP Plant.
- xi. Eventually, MOEF issued an office memorandum dated, 21 March 2022 ("Office Memorandum 21" March 2022) clarifying that Integrated paint industries are covered under schedule 5th of the EIA Notification 2006 and require prior Environmental Clearance. The EIA Technical Guidance Manual of Ministry mentions that in most cases of paint manufacturing industries, the manufacturing facilities purchase the raw materials and then formulate or blend rather than react to produce a finished product. For the purposes of EIA Notification 2006, the Guidance Manual defines the integrated paint industry as an industry which is involved in not only formulation (physical auxing or ingredients) of paints but also manufacturing of ingredients such as retins, lacquers, varnishes etc."

In furtherance to above, the Office Memorandum 21 March 2022 categorically stated that "In view of above it is clarified that any paint industry which is involved in manufacturing of ingredients such as resins, lacquers, varnishes, etc. besides formulations (physical mixing of ingredients) of paints shall require prior EC as per schedule 5th) of the EIA Notification, 2006 as amended from time to time. It is also clarified that the ingredient such as polymers/co-polymers etc including water-based polymer, which are used in the manufacturing of paints"

3) To summarize the position, APL humbly submits before your good offices as under:

  
MEMBER SECRETARY  
SEAC -TN


23

  
CHAIRMAN  
SEAC- TN

- I. *Since inception, SRIP Plant has been complying with all legal, statutory and regulatory compliances and requirements including but not limited to CTE and CTO. SRIP Plant over the years have bagged several prestigious awards and recognition for its steps taken towards sustainability and commitment of protection of environment.*
- II. *It is only post the Office Memorandum 21" March 2022 issued by MOEF that there was clarity amongst the authorities with respect to whether EC was required for manufacturing water-based polymers or co-polymer. Despite there being no clarity and in view of ambiguity as to whether the activities carried out at SRIP Plant would attract EIA Notification 2006, APL out of abundant caution and so as not to be non-compliant of law, statutory and regulatory requirements, applied to SEIAA for TOR and EC on 22 August 2016. This fact enumerates APL's bonafide to be compliant with the law, rules and regulations. APL had no intent to breach or bypass the law of land and/or any omission on its part. Since there has been ambiguity on the applicability of the EIA Notification 2006 to the activities carried out at the SRIP Plant, APL was always under bonafide belief that EC was not applicable to their SRIP Plant and APL requests your good offices to kindly consider the same."*

SEAC carefully examined the submissions of the PP along with the documents made available and the presentation made by the PP during the meeting. SEAC noted the following.

- i. The unit has been functioning since 2003 as a water based formulation unit with the capacity of 1,00,000KLPA.
- ii. In the year 2006, it added a water based polymer manufacturing activity with the capacity of 3250KLPM or 39,000 KLPA.
- iii. As per EIA Notification, S.O. 60 (E), dated: 27.01.1994, the PP should have obtained EC before installing capacity to manufacture water based polymer which is a basic raw material for the paint industry. As per the Schedule – I, "integrated paint complex including manufacture of resins and basic raw materials required in the manufacture of paints will require EC".

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



- iv. The unit, therefore, is in violation of the Environment (Protection) Act 1986, read with relevant Notifications since 2006 and the proposal has to be treated as a 'violation' case.
- v. The PP has applied prior to the window period and therefore has to follow the procedure prescribed by the MoEF in SO No. 804(E) dated 14.03.2017.
- vi. The PP has already submitted the EIA report based on ToR issued by SEIAA.

SEAC, in the light of the above facts decided to recommend the following course of action.

- i. The PP shall furnish a supplementary EIA Report updating the data wherever required.
- ii. In addition, the EIA coordinator shall include 'assessment of Ecological damage, remediation plan and natural & community resource augmentation plan' as an independent chapter in the supplementary Environment Impact Assessment report after collection and analysis of data for the assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of Environment.

As the Proponent has submitted the details as sought by the Committee vide letter dated:12.05.2023, the proposal was placed in the 381<sup>st</sup> SEAC meeting held on 08.06.2023.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to make on-the spot site-inspection by the sub-committee constituted by SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. **Further the sub-committee will assess the ecological damage cost and also to check the Remedial Plan & Community Augmentation Plan submitted by the Project Proponent during the site inspection.**

  
MEMBER SECRETARY  
SEAC -TN

25

  
CHAIRMAN  
SEAC- TN

The PP shall furnish the following documents during the site inspection by the sub-committee:

1. As per EIA Notification, S.O. 60 (E), dated: 27.01.1994, the PP should have obtained EC before installing capacity to manufacture water-based polymer which is a basic raw material for the paint industry. Hence, The EIA coordinator shall revise 'assessment of Ecological damage, remediation plan and natural & community resource augmentation plan' in the supplementary Environment Impact Assessment report considering the period of violation from the date of 27.01.1994 to till date.
2. In addition, The PP shall furnish proof for not considering the damage cost on the Noise Environment, water Environment, OHS, waste management, EMP. Also, the PP shall ensure that all the readings during the violation period (to till date) were within the consent limits.
3. The EIA Coordinator shall submit an affidavit stating that there are no significant health problems on skin, respiratory and digestive tracts and diabetes after going through the health records of workers maintained by the PP.
4. The PP shall explore the possibilities of packaging odd quantities of paint cans a fully automatic process instead of manual operations to eliminate human exposure.
5. The PP shall ensure the handling capacity of Hazardous wastes.
6. The Project Proponent shall furnish the CER in the format prescribed by the SEAC.
7. The PP shall furnish the cost of Project Cost for the project during the site inspection with the relevant documents.

On the receipt of the sub-committee's report, further deliberation will be carried out. In the meanwhile, SEAC also decided to ask SEIAA to move the Government to initiate credible action under Sec. 19 of the Environment Act.

**Agenda No.381-04**  
**(File No. 4973/2023)**

**Existing Multicolour Granite Quarry over an extent of 3.44.5 Ha at S.F. No. 59/2B, 59/3A(P), 59/3B, 60/2A & 3A of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru G.Udhayakumar - For extension of validity of Environmental Clearance. (SIA/TN/MIS/298448/2022 Dt. 09.03.2023)**

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC TN

The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Thiru G.Udhayakumar has applied for extension of validity of the Environmental Clearance for the existing Multicolour Granite quarry over an extent of 3.44.5 Ha at S.F. No. 59/2B, 59/3A(P), 59/3B, 60/2A & 3A of Karandapalli Village, Denkanikottai Taluk, Krishnagiri 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, as amended.
3. EC issued vide Lr. No. SEIAA-TN/F.No.4973/EC/1(a)/2881/2016 dated: 17.02.2016.
4. The proximity of CSWLS by 6.9Km from the project site.

During presentation the Project Proponent informed the Committee that he intends to withdraw this extension application (No. 298448) as another extension application (No. 241587) filed on 30.11.2021 is under process. PP further informed that he wishes to withdraw the ToR application no. 63132 dated 05.05.2021 for which ToR has already been granted vide T.O. Lr. No. SEIAA-TN/F.No.8710/SEAC/TOR-1048/2022 dated 31.01.2022.

The Committee held detailed discussions and decided to call for explanation from the Proponent for filing multiple applications. On receipt of the reply from PP, the Committee will take up the subject for further deliberations to decide on future course of action.

**Agenda No: 381-05**

**File No: 7591/2020**

**Proposed construction of 570 flats for high-rise residential building by M/s. Tamil Nadu Housing Board - Special Project Division II, at S.F. No. 376/2, 378, 379Pt, 380Pt & 398 Pt of Nerkundram Village, Ambattur Taluk, Tiruvallur District, Tamil Nadu- For Amendment to Environmental Clearance (SIA/TN/MIS/298591/2023, dated: 13.03.2023)**

The proposal was placed in this 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The details furnished by the project proponent are given on the PARIVESH web portal <http://parivesh.nic.in>.

  
MEMBER SECRETARY  
SEAC -TN

27

  
CHAIRMAN  
SEAC- TN

**The SEAC noted the following:**

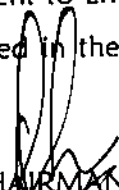
1. The Proponent, M/s. Tamil Nadu Housing Board has applied seeking amendment to Environmental Clearance issued for the Construction of 5 blocks of high-rise buildings comprising 570 flats at .S F Nos 376/2, 378, 379 Pt, 380Pt and 398 Nerkundram Village, Ambattur Taluk, Tiruvallur District.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006, as amended.
3. EC issued vide Lr. No. SEIAA.TN/F. No.7591/EC/8(a)/732/2020 dated 03.11.2020.
4. Amendment sought for exemption from construction of Sewage and grey water treatment plant and disposal of untreated sewage and grey water into CMWSSB sewer line and for treating biodegradable waste through Organic Waste Converter instead of Bio methanation plant.

Details of Configuration

S. no	Plant/ Equipment/ Facility	Existing Configuration	Proposed Configuration	Final configuration after Amendment	Remarks if Any
1	Sewage generation (including grey water) of 436 KLD	GWTP 300 KLD & STP 160 KLD	Disposed to CMWSSB Sewer line of Natesan Nagar	Disposed to CMWSSB Sewer line to Natesan Nagar	From pumping station it leads to Koyembedu STP of 120 MLD
2	Biodegradable waste of 711 kg/day	Treated through Bio Methanation Plant	Treated through Organic waste Converter	Treated through Organic Waste Converter	-

Based on the presentation and documents furnished by the Project Proponent, the Committee decided to recommend for the grant of the amendment to Environmental Clearance as tabulated above. All the other conditions stipulated in the EC Lr. No.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

SEIAA.TN/F. No.7591/ EC/ 8(a)/ 732/2020 dated 03.11.2020 remain unaltered.

**Agenda No: 381-06**

**(File No: 9257/2022)**

**Proposed Construction of Residential Buildings in the name "RWD -One North" at S.F.No. 14/1A1A1 & 12/2b of Kathirvedu Village, Sembium-Redhills High Road, Madhavaram Taluk, Kolathur, Chennai District, Tamil Nadu by M/s. Ramky Wavoo Developers Pvt Ltd - For Amendment to Environmental Clearance. (SIA/TN/MIN/297408/2022 dated 07.02.2023)**

The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, M/s. Ramky Wavoo Developers Pvt Ltd has applied seeking amendment to Environmental Clearance for the proposed construction of Residential Buildings in the name "RWD -One North" at S.F.No. 14/1A1A1 & 12/2B of Kathirvedu Village, Sembium-Redhills High Road, Madhavaram Taluk, Kolathur, 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, as amended.
3. EC Lr. No. SEIAA.TN/F. No.9257/ EC/ 8(a)/ 890/2022 dated 19.12.2022
4. PP informed that the Stilt area was inadvertently excluded from the total built-up area in the application filed for EC. Hence requested amendment to EC for inclusion of stilt area in the total built up area.

Plant/ Equipment/ Facility	Existing Configuration	Proposed Configuration	Final configuration after Amendment	Remarks if Any
Total Built-up Area	35084.03 Sq.m. (Excluding Stilt area)	38814.61 Sq.m (Inclusive of stilt area)	38814.61 Sq.m	Revision in Built up Area statement

  
MEMBER SECRETARY  
SEAC -TN

29

  
CHAIRMAN  
SEAC- TN

Based on the presentation and documents furnished by the Project Proponent, the Committee decided to recommend for the grant of the amendment to Environmental Clearance as tabulated above. All the other conditions stipulated in the EC Lr. No. SEIAA.TN/F. No.9257/ EC/ 8(a)/ 890/2022 dated 19.12.2022 remain unaltered.

**Agenda No: 381-07**

**(File No: 7577/2022)**

**Proposed plan revision and modification of residential building project" Purvankara Windermere" at S.F.Nos. L/L87, 7/L82, 7/2, 2/l, etc in Medavakkam Village and S.F.No. 29411, 2,3, 295/7A, etc in Pallikaranai Village, Tambaram Taluk, Kanchipuram District- For Amendment to Environmental Clearance. (SIA/TN/MIN/281036/2022 dated 01.07.2022)**

The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, M/s.Purvankara Limited has applied seeking amendment to Environmental Clearance for the proposed plan revision and modification of residential building project "Purvankara Windermere" at S.F.Nos. L/L87, 7/L82, 7/2, 2/l, etc in Medavakkam Village and S.F.No. 29411, 2,3, 295/7A, etc in Pallikaranai Village, Tambaram Taluk, Kanchipuram District
2. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area Development" of the Schedule to the EIA Notification, 2006, as amended.
3. EC Lr. No. SEIAA.TN/F. No.7577/ EC/ 8(a)/ 838/2022 dated 14.06.2022
4. PP has sought the following amendment to the EC issued vide Lr. No. SEIAA.TN/F. No.7577/ EC/ 8(a)/ 838/2022 dated 14.06.2022 issued for the project.

  
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S.No.	Environmental Clearance	Page No. in EC	Correction
1	Letter No. SEIAA/TN - F.No. 7577/EC/8(a)/838/2022 dated 14.06.2022	Page No. 2/29	Letter No. SEIAA/TN - F.No. 7577/EC/8(b)/838/2022 dated 14.06.2022
2	7- a) Water Requirement kLD: Total water requirement - 2553 kLD Fresh water requirement - 1843 kLD	Page No. 4 & 5/29	7- a) Water Requirement kLD: Total water requirement - 2553 kLD Fresh water requirement - 1511 kLD

4	Swimming pool - 2 kLD Source - CMWSSB Treated water requirement - 1045 kLD 8) Quantity of sewage and GW Sewage generation - 1315 kLD Grey water generation - 847 kLD	Page No. 5/29	Swimming pool - 2 kLD Source - CMWSSB Treated water requirement 1045 kLD 8) Quantity of sewage and GW Sewage generation - 1345 kLD Grey water generation - 892 kLD
4	10) Mode of Disposal of treated STP/ GWTP The total quantity of Grey Water generated from the proposed project is 892 KLD which will be treated in the 1025 KLD grey water treatment plant. The total quantity of treated grey water generation is 847 kLD. The total quantity of sewage generated from the proposed project is 460 KLD. The generated sewage will be treated in the STP of 475 kLD. Treated wastewater of 437 kLD along with 47 kLD of treated grey water will be utilized for Flushing (484 kLD). The remaining treated grey water of 800 kLD will be utilized for ground water recharge and lake rehabilitation in Pallikarai Anai La	Page No. 5/29	For the existing building, the wastewater generation of 513kLD and sewage generation of 372 kLD is treated in the Existing STP of 1525 kLD (1 No. of 950 kLD & 1 No. of 575 kLD). The treated water of 752 kLD is utilized for Flushing (372 kLD, Gardening & OSR (189 kLD) and Local body disposal, Pallikarai Municipality (191 kLD). For the expansion activity, the total quantity of Grey Water generated from the proposed project is 892 KLD which will be treated in the 1025 KLD grey water treatment plant. The total quantity of

  
MEMBER SECRETARY  
SEAC -TN

31

  
CHAIRMAN  
SEAC- TN

			<p>treated grey water generation is 847 kLD. The total quantity of sewage generated from the proposed project is 460 KLD. The generated sewage will be treated in the STP of 475 kLD. Treated wastewater of 437 kLD along with 47 kLD of treated grey water will be utilized for Flushing (484 kLD). The remaining treated grey water of 800 kLD will be utilized for ground water recharge and lake rehabilitation in Pallikaranai Anai Eri.</p>
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Based on the presentation and documents furnished by the Project Proponent, the Committee decided to recommend for the grant of the amendment to Environmental Clearance as tabulated above. All the other conditions stipulated in the EC Lr. No. SEIAA.TN/F. No.7577/ EC/ 8(a)/ 838/2022 dated 14.06.2022 remain unaltered.

**Agenda No: 381-08**

**(File No: 5589/2023)**

Name change amendment to Environmental Clearance from "Proposed Construction of MSB IT/ITES Building by Dr. S. Thayalan" to "Proposed Construction of MSB IT/ITES Building by M/s. Sycamore Properties Private Limited" at S.F.No. S.Nos: 56/1B, 75/1, 75/5, 76/1A1, 76/1C1B, 76/4 (Part1&2), 76/5, 57/3B, 56/2A4A, 56/2A2B, 56/2B2A, 76/2B, 76/2A, 56/2A2A, 76/3, 75/2 A, 75/2B, 75/4, 76/8, 75/8A1, 75/8A2, 75/7, 84/2B, 75/6, 56/2A4B, 56/2B2B, 75/3A, 75/3B, 76/7, 76/10, 76/1C1A1, 76/1A2, 76/1B, 76/1C2, 76/1D, 83/3, 84/3, 86/4A, 76/9, Pallikaranai Village, Sholinganallur Taluk, Kancheepuram District (Now Chengalpattu), Tamil Nadu by Dr. S. Thayalan. (SIA/TN/MIN/297408/2022 dated 07.02.2023)

  
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SEAC- TN



The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. M/s. Sycamore Properties Private Limited has applied seeking name change amendment to Environmental Clearance from **“Proposed Construction of MSB IT/ITES Building by Dr. S. Thayalan”** to **“ Proposed Construction of MSB IT/ITES Building by M/s. Sycamore Properties Private Limited ”** at S.F.No. S.Nos: 56/1B, 75/1, 75/5, 76/1A1, 76/1C1B, 76/4 (Part1&2), 76/5, 57/3B, 56/2A4A, 56/2A2B, 56/2B2A, 76/2B, 76/2A, 56/2A2A, 76/3, 75/2 A,75/2B, 75/4, 76/8, 75/8A1, 75/8A2, 75/7, 84/2B, 75/6, 56/2A4B, 56/2B2B, 75/3A, 75/3B, 76/7, 76/10, 76/1C1A1, 76/1A2, 76/1B, 76/1C2, 76/1D, 83/3, 84/3, 86/4A,76/9, Pallikaranai Village, Sholinganallur Taluk, Kancheepuram District (Now Chengalpattu), Tamil Nadu.
2. The project/activity is covered under Category “B1” of Item 8(b) “Township and Area Development” of the Schedule to the EIA Notification, 2006, as amended.
3. EC issued vide Lr. No. SEIAA.TN/F. No.5589/ EC/ 8(b)/ 597/2016 dated 06.08.2018 in the name and style of “Proposed Construction of MSB IT/ITES Building by Dr. S. Thayalan”

SEAC acknowledged the presence of Dr. S. Thayalan during this 381<sup>st</sup> meeting of SEAC held on 08.06.2023. Based on the presentation and documents furnished by the Project Proponent, the Committee decided to recommend for the grant of the name change amendment to Environmental Clearance from **“Proposed Construction of MSB IT/ITES Building by Dr. S. Thayalan”** to **“Proposed Construction of MSB IT/ITES Building by M/s. Sycamore Properties Private Limited”**. All the other conditions stipulated in the EC Lr. No. SEIAA.TN/F. No.5589/ EC/ 8(b)/ 597/2016 dated 06.08.2018 remain unaltered.

**Agenda No: 381 – 09**

**(File No: 5009/2023)**

**Existing Grey Granite lease area over an extent of 2.19.0 Ha in S.F.No. 389 (P) & 398 (P) at Mahadevakollahalli Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu**

  
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SEAC -TN

33

  
CHAIRMAN  
SEAC- TN

by Thiru. M. S. Prabhu - For Extension of Validity of Environmental Clearance.  
(SIA/TN/MIN/297477/2023, dated: 09.02.2023)

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in)  
The SEAC noted the following:

1. The project proponent, Thiru. M. S. Prabhu, has applied for Extension of validity of earlier issued Environmental Clearance for the existing Grey Granite lease area over an extent of 2.19.0 Ha in S.F.No. 389 (P) & 398 (P) at Mahadevakollahalli Village, Pochampalli Taluk, Krishnagiri 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, as amended.
3. Earlier EC obtained – Lr. No. SEIAA-TN/F.No.5009/EC/1(a)/3209/2016 dated: 06.07.2016.

The Committee carefully examined the presentation made by the PP and the documents furnished. Based on the above, it is noted that in this case, application has been filed for Extension after the mandatory time limit of 90 days as per EIA Notification S.O. 1141 (E) Dated: 29.04.2015 and S.O. 2944 (E) Dated: 14.09.2016. However, the PP satisfies the condition prescribed in the OM F.No. 1A3-22/28/2022-1A.111 Dated: 13.12.2022, sub para (i) of Para 2 which states that


*"...The validity of the Environmental Clearances, which had not expired as on the date of publication of Notification i.e., 12/04/2022, shall stand automatically extended to respective increased validity as mentioned at para no. 1 column (C) above:"*

In the light of the above, SEAC decided to confirm that project proponent is eligible for automatic extension of validity of the earlier issued EC.

**Agenda No: 381 – 10**

**(File No: 6465/2022)**

**Proposed Amendment for the construction of Multi storied building by M/s. Dawning Developers LLP at S.F.No. 122/2A, 2B, 123/1B, 2B, 1A2, 2A2, 1C1 pt, 2C1, 1C2, 2C2, 2C3 pt, 2D pt, 123/1 pt, 1A1, 2A1, 135/2A, 2B, 1C & in T.S No. 9/6, 9/7, 11/1, 11/4, 11/5, 11/6, 11/7, 11/9, 11/10, 12/5 & 12/6 in Block No.22 at Athipattu Village, Ambattur Taluk, Tiruvallur District, Tamil Nadu - For Amendment in Environmental Clearance.  
(SIA/TN/MIN/294785/2022, dated: 01.12.2022)**

  
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SEAC -TN

  
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SEAC -TN

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in) The SEAC noted the following:

1. The project proponent, M/s. Dawning Developers LLP, has applied for Amendment in earlier issued Environmental Clearance for the Proposed Amendment for the construction of Multi storied building at S.F.No. 122/2A, 2B, 123/1B, 2B, 1A2, 2A2, 1C1 pt, 2C1, 1C2, 2C2, 2C3 pt, 2D pt, 123/1 pt, 1A1, 2A1, 135/2A, 2B, 1C & in T.S No. 9/6, 9/7, 11/1, 11/4, 11/5, 11/6, 11/7, 11/9, 11/10, 12/5 & 12/6 in Block No.22 at Athipattu Village, Ambattur Taluk, Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "building and Construction" of the Schedule to the EIA Notification, 2006, as amended.
3. Earlier EC obtained – Lr. No. SEIAA-TN/F.No.6465/EC/8(a)/543/2017 dated: 19.12.2017

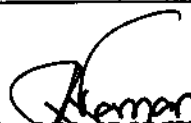
Description	Earlier EC	Amendment sought for	Remarks
Brief Description of Project	The Residential development comprises of Combined Double Basement Floor +Stilt floor+ one Upper Parking floor + 2nd floor to 21 floors for <b>Block I, II &amp; III.</b> <b>Block IV</b> consists of Stilt Floor + 13 floors Block I - <b>90 Units</b> , Block II -160 Units, Block III -160 Units Block IV- 104 LIG Units,	No changes in the Blocks and number of Floors 1 number of Dwelling unit is reduced in <b>Block -1</b> <b>Block I - 89 Units,</b> Block II -160 Units, Block III -160 Units Block IV- 104 LIG Units, <b>Total - 513 Dwelling Units</b>	1 number of Dwelling unit is reduced in Block -1

  
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SEAC -TN

35

  
CHAIRMAN  
SEAC-TN

	<b>Total - 514 Dwelling Units</b> with Swimming Pool, Gym in 1st Upper parking floor podium.		
Total Built up area	<b>80,329.37 Sqm</b>	<b>80,980.58 Sqm</b>	Increase of 651.21 Sq.m
Total Population	2956 Nos	2951 Nos	Decrease of 5 persons
Utilities - Water	<ul style="list-style-type: none"> <li>➤ Total freshwater requirement - 243 KLD</li> <li>➤ Domestic purpose - 238 KLD</li> <li>➤ Swimming pool - 5 KLD</li> <li>➤ Toilet Flushing - 119 KLD (Recycled water)</li> <li>➤ Greenbelt development/ Gardening (Recycled water) - 8 KLD</li> <li>➤ OSR (Recycled water) - 5 KLD</li> </ul>	<ul style="list-style-type: none"> <li>➤ Total freshwater requirement - 243 KLD</li> <li>➤ Domestic purpose - 238 KLD</li> <li>➤ Swimming pool - 5 KLD</li> <li>➤ Toilet Flushing - 119 KLD (Recycled water)</li> <li>➤ Greenbelt development/ Gardening (Recycled water) - 8 KLD</li> <li>➤ OSR (Recycled water) - 5 KLD</li> </ul>	No change in Water requirement, sewage generation & disposal
STP Capacity	350 KLD	350 KLD	No change
DG Capacity	4 Nos 200 KVA	4 Nos 200 KVA	No change
Solid waste	<ul style="list-style-type: none"> <li>➤ Biodegradable waste - 971 kg/ day</li> </ul>	<ul style="list-style-type: none"> <li>➤ Biodegradable waste - 970 kg/ day</li> </ul>	Reduction of 1 kg of non-biodegradable

  
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SEAC -TN

  
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SEAC- TN

	➤ Non-Biodegradable waste – 648 kg/ day ➤ STP Sludge – 48 kg / day	➤ Non-Biodegradable waste – 647 kg/ day ➤ STP Sludge – 48 kg / day	waste & 1 kg of Biodegradable waste
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Based on the presentation & documents furnished by the PP, SEAC decided to recommend the above amendments in the Environmental Clearance. The remaining conditions stipulated vide EC Lr. No. SEIAA-TN/F.No.6465/EC/8(a)/543/2017 dated: 19.12.2017 will remain unaltered.

**Agenda No: 381 – 11**

**(File No: 5121/2022)**

**Existing Black Granite lease area over an extent of 1.22.0 Ha in S.F.No. 27/2D(P), 28/1 (P) at Panchapalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by M/s International Stone India Pvt.ltd - For Amendment in Environmental Clearance. (SIA/TN/MIN/286378/2022, dated: 01.08.2022)**

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in) The SEAC noted the following:

1. The project proponent, JR Granites Private Limited, has applied for Amendment in the Environmental Clearance issued earlier in the name of M/s International Stone India Pvt Ltd for the Existing Black Granite lease area over an extent of 1.22.0 Ha in S.F.No. 27/2D (P), 28/1 (P) at Pachampalli Village, Palacode Taluk, Dharmapuri 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, as amended.
3. Earlier EC issued for M/s International Stone India Pvt. Ltd – Lr. No. SEIAA-TN/F.No.5121/EC/1(a)/3300/2016 dated: 11.07.2016

Neither the EIA Coordinator nor the project proponent was present for the meeting. Hence, the proposal was not taken up for appraisal.

**Agenda No: 381 – 12**

**(File No: 1208/2023)**

**Existing Multicolour Granite lease area over an extent of 1.49.0 Ha in S.F.No. 70/4A, 70/8 & 70/9 at Alampatti Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru. P. Velmani - For Extension of Validity of Environmental Clearance. (SIA/TN/MIN/298891/2023, dated: 23.03.2023)**

  
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SEAC -TN

37

  
CHAIRMAN  
SEAC-TN

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in)  
The SEAC noted the following:

1. The project proponent, Thiru.P. Velmani, has applied for Extension of validity of earlier issued Environmental Clearance for the Existing Multicolour Granite lease area over an extent of 1.49.0 Ha in S.F.No. 70/4A, 70/8 & 70/9 at Alampatti Village, Sattur Taluk, Virudhunagar 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, as amended.
3. Earlier EC obtained – Lr. No. SEIAA-TN/F.No.1208/EC/1(a)/405/2013 dated: 06.06.2013

During the presentation, proponent stated his intention to withdraw the proposal. Hence, SEAC decided to accept the proponent's request to withdraw the proposal and SEIAA may accordingly take necessary action in accordance with law.

**Agenda No: 381-13.**

**(File No. 6564/2023)**

**Existing Limestone Quarry over an Extent of 4.70.0 Ha in S.F.No. 238 of Kalappaipatti Village, Ottapidaram Taluk, Thoothukudi District, Tamilnadu by Thiru.M.Thanapal for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/297014/2023 dated: 25.01.2023)**

The proposal was placed in this 381<sup>st</sup> Meeting of SEAC held on 08.06.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Thiru.M.Thanapal has applied for Extension of validity for the Terms of Reference issued under violation category for the Existing Limestone Quarry over an Extent of 4.70.0 Ha in S.F.No. 238 of Kalappaipatti Village, Ottapidaram Taluk, Thoothukudi District, Tamilnadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation was issued vide SEIAA. Lr.No. SEIAA-TN/F.No.6564/TOR-547/2018 dated 06.08.2018.

4. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.

Also, as per MoEF&CC Notification S.O. 1247(E), dated 18 March, 2021, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid". Hence, the validity of the ToR issued is deemed to be valid upto **05.08.2023**.

Now the proponent has submitted an application seeking an extension in the ToR issued further for a period of 1 year.

Based on the presentation and details submitted by the project proponent, the Committee after detailed discussions, decided to accept the request of the project proponent and to extend the validity period of ToR for a period of 1 year, i.e., up to **05.08.2024**. Hence, the project proponent is requested to submit all the required documents and details within the extended period.

**Agenda No: 381-14**

**(File No: 5661/2023)**

**Existing rough stone quarry lease over an extent of 0.98.5 Ha in S.F.No. 2/5F, 4/2B & 4/3 of Ganapathipatti Village, Harur Taluk, Dharmapuri District, Tamilnadu by Tvl.Sri Amman Blue Metals – For Extension of validity in Environmental Clearance issued. (SIA/TN/MIN/298039/2021 dated: 24.02.2023)**

The proposal is placed for appraisal in this 381<sup>st</sup> meeting of SEAC held on 08.06.2023.

The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Tvl.Sri Amman Blue Metals has applied for Extension of validity in Environmental Clearance issued for the Existing rough stone quarry lease over an extent of 0.98.5 Ha in S.F.No. 2/5F, 4/2B & 4/3 of Ganapathipatti Village, Harur Taluk, Dharmapuri District, Tamilnadu.

  
MEMBER SECRETARY  
SEAC -TN

39

  
CHAIRMAN  
SEAC- TN

2. Environmental Clearance was issued to the proponent vide Lr.No. SEIAA-TN/F.No.5661/1(a)/EC.No.3931/2016 dated. 07.06.2017 with a validity period of 5 years from the date of execution of the lease deed. The lease deed was executed on 12.02.2018. Hence, EC issued earlier was valid up to 11.02.2024 including COVID extension.
3. However, the proponent has submitted an application seeking **an extension of validity for the above-mentioned EC** on 24.02.2023 along with a scheme of mining for a period of 5 years from 2023-2028 **for the quantity of 25,115m<sup>3</sup> of rough stone & 3420m<sup>3</sup> of topsoil upto a depth of 27m below ground level** when the subsisting EC is available. The lease was deemed to be extended for a period of 10 years, i.e., upto 11.02.2028.
4. MoEF&CC Notification, S.O.1807(E) dated.12.04.2022 regarding extension of validity of Environmental Clearance.
5. MoEF&CC O.M dated 13.12.2022 regarding clarification on S.O.1807(E) dated 12.04.2022.

During the meeting, the proponent stated that he is eligible for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

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


- i) The project proponent shall submit a certified compliance report obtained from IRO of MoEF&CC for the EC obtained earlier.

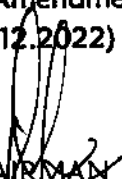
On receipt of the same, further deliberations will be done.

**Agenda No: 381-15**

**(File No: 6396/2022)**

**Proposed construction of Residential Complex -Ramaniyam Ocean Dew by M/s. Ocean Interiors (P) Limited, at Survey Numbers: 669/1A,1B,6A, 6B, 64/1B1, 1B2, 3, 4, 5, 6, 669/2, 3, 4, 5, 7, 672/2, 3, 4, 5, 6, 7, 8, 66/2, 3, 4, 6, 5A1, 5A2, 5A3, 5A4, 5A5, 5A6, 5A7, 671/2, 72/1, 2A, 2B, 3, 4A1A, 4A1B, 4A2, 4B, 4C, 5A1, 5B2B as per Patta and 669/1, 6, 64/1B1, 1B2, 3, 4, 5, 6, 669/2, 3, 4, 5, 7, 672/2, 3, 4, 5, 6, 7, 8, 66/2, 3, 4, 6, 5A, 5B, 671/2, 72/1, 2, 3, 4, 5A, 5B as per documents, Pallikarani Village, Sholinganallur Taluk, Kanchipuram District Tamil Nadu- For Amendment in Environmental Clearance issued. (SIA/TN/MIS/295498/2022 dated 22.12.2022)**

  
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The proposal is placed in the 381<sup>st</sup> meeting of SEAC held on 08.6.2023. The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent was issued with Environmental Clearance vide Lr.No.SEIAA/TN/F.6396/EC/8(a)/569/2017 dated 02.04.2018 in the name of **M/s. Ocean Interiors (P) Limited.**
2. Now, the proponent has submitted an application requesting the following amendment in the EC issued earlier:

Description	As in EC issued dated.02.04.2018	Amendment Sought
Project Title	Proposed construction of Residential Complex	Proposed Expansion of Block - 4 & Block - 5 to the Existing Approved Block - 3 and Combined Basement Floor in Block - 1 & 2


3. Earlier, the proposal was placed in the 598<sup>th</sup> Authority meeting held on 01.03.2023. The Authority, after detailed discussions decided to forward the proposal to SEAC to ascertain from the proponent whether there is any change in the proposal including change in building plan or built-up area. SEAC shall appraise the proposal and furnish its remarks/recommendations.

In view of this, the proposal is placed in this 381<sup>st</sup> SEAC meeting held on 08.06.2023. Based on the presentation & details furnished by the project proponent, the SEAC decided that such requests for change in the mere 'title of the project' **cannot be considered/recommended.**

**Agenda No: 381 - 16**

**(File No: 5333/2016)**

**Proposed Rough stone quarry over an extent of 2.40.0 Ha in SF.No.665 (Part-2) at Kamandoddi Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s. Thriveni Earth Movers Pvt. Ltd - For Environmental Clearance Extension. (SIA/TN/MIN/197406/2021, Dt.09.02.2021).**

  
MEMBER SECRETARY  
SEAC -TN

41

  
CHAIRMAN  
SEAC- TN

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
2. EC Issued vide Lr. No.SEIAA-TN/F.No.5333/EC/1(a)/3367/2016,dated: 19.07.2016.

During the presentation the PP/EIA consultant requested SEAC to defer the proposal and hence SEAC deferred the proposal.

**Agenda No: 381 - 17**

**(File No: 2918/2014)**

**Proposed Multicolour Granite quarry over an extent of 1.48.0 Ha in SF.No. 81/2A, 2B, 2C, 2D, 2E, 81/3, 81/12A(P), 178/20C, 20D, 178/21 at Irumbali Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru D. Benet Anthony Raj- For Environmental Clearance Extension. (SIA/TN/MIN/298541/2023,Dt.11.03.2023)**

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
2. EC Issued vide Lr. No.SEIAA-TN/F.No.2918/EC/1(a)/2625/2015 dated: 05.01.2016.

During the presentation the PP/EIA consultant requested to withdraw the project.

**Agenda No: 381 - 18**

**(File No: 3821/2015)**

**Proposed Grey Granite quarry over an extent of 1.62.0 Ha in SF.No. 448/11(Part) at Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Tmt.V.Buveneswari - For Environmental Clearance Extension. (SIA/TN/MIN/203421/2021,Dt.13.03.2021)**

The proposal was placed in the 472<sup>nd</sup> Authority Meeting held on 21.10.2021. After detailed discussion, the Authority noted as follows.

1. Environmental Clearance was accorded to Tmt.V.Buveneswari, for quarrying

  
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Grey Granite quarry for an extent 1.62.0Ha in the S.F.No. 448/11(Part) at Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamilnadu under Category 'B2' and schedule S.No. 1(a) with a validity that the Environmental Clearance will be coterminous with the mine lease period or limited to a maximum period of 5 Years from the date of issue whichever is earlier. The production of 4200 cu.m of Grey Granite over a depth of mining is 8m.

2. The project proponent Tmt.V.Buveneswari has applied for Amendment for extension of validity of Environmental Clearance for quarrying of remaining quantity of Grey Granite stating as follows.
  - a. We have executed the lease deed after obtaining Environmental clearance for five years from 16<sup>th</sup>Dec 2015 to 15<sup>th</sup>Dec 2020.
  - b. We request you extension the valid of EC for further Operation of quarry and also for obtaining CTO from TNPCB for quarrying of remaining recovery of Grey Granite in the lease area.
3. The proponent has submitted the letter obtained from the Assistant Director, Department of Geology & mining stating that total quantity of 260400 cu.m permitted to till date vide Roc.No.457/2021/Mines dated 19.04.2021.
4. The proponent has submitted the copy of the mine lease executed with District Collector which is valid up to 12.06.2028.
5. The proponent has submitted the copy of approved of mining plan for a period of five years which is valid up to 10.07.2020.
6. The Commissioner of Geology & Mining has approved the 1st scheme of mining for the period 2020-21 to 2024-25 vide Rc.No.6328/MM4/2020 dated 06.01.2021.
7. Environmental Clearance was accorded to Tmt.V.Buveneswari, for quarrying Grey Granite quarry for an extent 1.62.0Ha in the S.F.No. 448/11(Part) at Jagadevipalayam Village, Bargur Taluk, Krishnagiri District vide Lr. No. SEIAA-TN/F.No.3821/EC/1 (a)/2443/2015 dated: 24.11.2015 which expired on 23.11.2020, but the proponent has submitted application for extension on 13.04.2021.
8. As per MoEF&CC Notification S.O. 2944(E) dated 14thSeptember 2016, para 3

  
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SEAC -TN

43

  
CHAIRMAN  
SEAC- TN

(b) stated as follows:

- a. "more than thirty days after the validity period of Environmental Clearance but less than ninety days after such validity period, then, based on the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee or District Level Expert Appraisal Committee, the delay shall be condoned with the approval of the Minister in charge of Environment, Forest and Climate Change or Chairman, as the case may be :"
- b. more than one month after the validity period of EC but less than three months after such validity period, then, based on the recommendations of the EAC or the SEAC, the delay shall be condoned with the approval of the Minister in charge of Environment Forest and Climate Change or Chairman, as the case may be: Provided that no condonation for delay shall be granted for any application for extension filed 90 days after the validity period of EC."

In view of the above, considering the Ministry of Environment, Forest and Climate Change Notification vide MoEF&CC vide S.O. 221(E) dated 18.01.2021 under the provisions of the EIA Notification 2006, the Authority decided to direct the proponent to apply fresh with all the necessary documents for fresh Environmental Clearance since the proponent has submitted the application after three months of the Environmental Clearance validity period.

Now the proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023.

#### SALIENT FEATURES OF THE PROJECT

Name of the Lessee : Tmt. V. Buvaneshwari	
Details of project site	S.F.Nos 448/11 (Part) Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu. Extent 1.62.0 Ha

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

Lease granted vide G.O. No	Letter No G.O.(3D) No. 41 Industries (MME-2) Department Dated, 27.11.2015  For the period of 20 years (16.12.2015 to 15.12.2035)		
Scheme of Mining plan  (1 <sup>st</sup> Scheme 2020-21 to 2024-25)	Approved by Commissioner, Department of Geology and Mining, Guindy, Chennai – 32, Letter No 6328/MM4/2020 Dated 06.01.2021		
EC Validity Details	EC Obtained – 24.11.2015  Valid upto – 23.11.2020  With COVID Extension – 23.11.2021  Extension applied on – 13.03.2021(Attracts Clause – II of the MoEF & CC Notification S.O - 1807)		
EC Details	EC Granted quantity	Achieved quantity 2015-16 to 2019-20	Required quantity 2020-21 to 2024-25
	4,200m <sup>3</sup> of Grey Granite (ROM 21,000m <sup>3</sup> )	3042.598 m <sup>3</sup> of Granite (Lessor than the Approved Quantity)	21,000 m <sup>3</sup> of ROM (4,200m <sup>3</sup> of Granite @ 20% Recovery)
Geological resources – 1 <sup>st</sup> SOM	3,49,998m <sup>3</sup> of ROM @ 20% Recovery 70,000 m <sup>3</sup>		
Mineable Reserves – 1 <sup>st</sup> SOM	81,440m <sup>3</sup> of ROM @ 20% Recovery 16,288m <sup>3</sup>		
Estimated proposal given for the 1 <sup>st</sup> Scheme of Mining plan	21,000m <sup>3</sup> of ROM  4,200m <sup>3</sup> of Granite @ 20% Recovery		

  
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SEAC -TN

45

  
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SEAC- TN

Peak Production	4,200m <sup>3</sup> of ROM
Existing Depth	8m
Depth of Estimation - 1 <sup>st</sup> SOM	28 m bgl
Ultimate Depth	28 m bgl
Estimated life of the mine	19 years
EMP Prepared for the peak production Capacity and life of the mine up to lease period 2035 for 4,200m <sup>3</sup> of ROM	

#### EC EXTENSION COMPARATIVE TABLE

Sl.No	Details	Existing/Previous EC	Parameters Achieved	Extension Requested	Remarks
1.	Validity including Covid Extension	23.11.2021	-	Upto the lease period <b>15.12.2035</b>	Life of the mine 19 Years as per the Approved Scheme of Mining plan
2.	Total Production	21,000m <sup>3</sup> (EC Granted for the recovery of 4,200m <sup>3</sup> )	3,042 m <sup>3</sup> of Granite (Lessor than the Approved Quantity)	81,440 m <sup>3</sup> of ROM (16,288m <sup>3</sup> of Granite @ 20% Recovery) Mineable Reserves as approved by the competent authority / Director of Geology & Mining.	EC Extension granted the entire mineable reserves upto the lease period

3.	Annual Peak Production	4,200m <sup>3</sup> of ROM	4,140m <sup>3</sup> of ROM	4,200m <sup>3</sup> of ROM	
4.	Depth	8m bgl	8 m bgl	28 m bgl	Extension is granted for the ultimate depth of 28 m as determined by the competent authority.
5.	EMP Budget	2.75 Lakhs	Proponent spent the amount but no separate account was maintained	39.93 Lakhs	Separate Account opened for EMP
6.	Fencing	Erected around the lease	Erected around the lease area (Source : CCR report & Site inspection)	-	Fencing will be maintained in good condition
7.	Green Cover	400 trees/ Ha on all sides of the lease area	Native species pongamia pinnata planted all sides of lease area	960 Nos of trees proposed to plant in the safety barrier and earmarked village roads	Native species will be planted in the earmarked area
		10 Nos of neem trees should be planted around lease area	Neem trees not planted in the EC period (Source: CCR report)		
8.	Garland Drain	-	Garland drains constructed in part of the area	Proposed to spend Rs 21,200/- for construction and maintenance	Garland drains will be maintained in good condition.

  
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47

  
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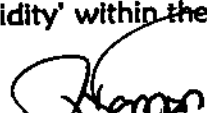
9.	<b>CER</b>	CSR – 2.5% from the annual turn over	Rs 54,000 has been spent for Urudhu girls higher secondary school and Rs 18,000 spent on Tiles work to VAO office	PP Agreed to spend Rs 5 Lakhs for Panchayat Union Primary School, Jegadevipalayam	Proponent visit the school and obtained letter from the Head master
10.	<b>Lease Validity</b>	<b>At the time of EC</b>		<b>Status Now</b>	
		20 Years (16.12.2015 to 15.12.2035)		Lease valid upto 15.12.2035	
11.	<b>Mining Plan Details</b>	<b>At the time of EC</b>		<b>Status Now</b>	
		Mining plan – 20 years Production scheduled for the first five years 2015-16 to 2019-20		1 <sup>st</sup> Scheme of Mining plan (2020-21 to 2024-25) Approved by the Department of Geology and Mining, Guindy, Chennai	

During the meeting, the proponent stated that he had requested for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...

*"The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."*

Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatically extension to the respective increased validity' within the scope of the aforementioned OM issued by the MoEF&CC.

  
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SEAC -TN

  
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SEAC - TN



As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Panchayat Union Primary School, Jagadevipalayam, Bargur, Krishnagiri as committed, before obtaining CTO from TNPCB.

**Agenda No: 381-19**

**(File No: 5334/2021)**

**Validity extension of existing Rough Stone quarry lease over an extent of 04.40.0 Ha of Government Land at S.F.No.665(Part-1), Kamandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu, by M/s.Thriveni Earth Movers Pvt Ltd – For extension of Environmental Clearance. (SIA/TN/MIN/197360/2021, dated 09.2.2021)**

The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

During the meeting the SEAC noted that the PP was absent. Therefore, SEAC decided to defer the proposal and seek explanation for the absence.

**Agenda No: 381-20**

**(File No: 2443/2022)**

**Validity extension of existing multi colour granite quarry lease over an extent of 3.21.5 Ha at S.F.No. 1158/8, 1158/9, 1160/3A, 1160/4, 1161/3, 1161/4A (PART) 1161/5(PART)), 1166/5(PART), Iruthukottai Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu, by Thiru V Jayaprakash – For extension of Environmental Clearance. (SIA/TN/MIN/259214/2022, dated 2.3.2022)**


The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).


During the meeting the PP has stated they would like to withdraw the proposal. Therefore, SEAC decided to defer the proposal.

**Agenda No: 381 -21**

**(File No: 8722/2022)**

**Proposed Rough Stone and Gravel quarry lease area over an extent of 2.24.5 Ha located at S.F. No. 10/7, 10/8, 12/1A, 12/4,& 12/5, Avalur Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu by Tmt.Geetha Uthayarajan - For amendment in existing Environmental Clearance issued. (SIA/TN/MIN/270372/2022 dated:29.04.2022)**

  
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SEAC -TN

  
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SEAC- TN

The proposal was placed in the 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following,

1. The project proponent, Tmt.Geetha Uthayarajan has obtained Environmental Clearance for the proposed Rough Stone and Gravel quarry lease area over an extent of 2.24.5 Ha located at S.F. No. 10/7, 10/8, 12/1A, 12/4 & 12/5, Avalur Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu vide Lr No. SEIAA-TN/F.No.8722/EC.No.5006/2021 Dt. 28.2.2022
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 the five years states that the total quantity of recoverable as 11,900m<sup>3</sup> of gravel and 1,70,660m<sup>3</sup> of Rough stone and the ultimate depth of mining is 43m below ground level.
4. Now, the PP has applied for the following amendment on the Environmental Clearance issued.

As per EC issued	Amendment requested
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 toilets with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantations in school in consultation with concerned Government school HM In Govinthapuram Government High	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 toilets with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantations in school in consultation with concerned Government High School, Avalur, Walajabad, Kancheepuram SH-58,

School before obtaining CTO from TNPCB	Kancheepuram Chengalpet Road, Kancheepuram before obtaining CTO from TNPCB
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Based on the presentation and documents furnished by the Project Proponent, the Committee decided to recommend for the grant of amendment to Environmental Clearance for the following conditions. However, all the other conditions stipulated in the EC Lr No. SEIAA-TN/F.No.8722/EC.No.5006/2021 Dt. 28.2.2022 are remain unaltered.

As per EC issued	Amendment recommended
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 toilets with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantations in school in consultation with concerned Government school HM in Govinthapuram Government High School before obtaining CTO from TNPCB	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 toilets with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantations in school in consultation with concerned Government High School, Avalur, Walajabad, Kancheepuram, SH-58, Kancheepuram Chengalpet Road, Kancheepuram before obtaining CTO from TNPCB

Agenda No: 381 - 22

(File No: 10097/2023)

Proposed Construction of Fintech Tower At Fintech City at plot no 57, Survey No: 122, 123, 125, 126, 131/1, 132, 134 of Nandambakkam Village, Alandur Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Industrial Development Corporation Ltd (TIDCO) - For Environmental Clearance. (SIA/TN/INFRA2/430708/2023, Dt.25.05.2023)

  
MEMBER SECRETARY  
SEAC -TN

51

  
CHAIRMAN  
SEAC- TN

The proposal was placed in the 381<sup>st</sup> SEAC Meeting held on 08.06.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The environmental clearance is sought for Construction of Fintech Tower At Fintech City at plot no 57, Survey No: 122, 123, 125, 126, 131/1, 132, 134 of Nandambakkam Village, Alandur Taluk, Chennai District, Tamil Nadu State by M/s. Tamil Nadu Industrial Development Corporation Ltd (TIDCO).
2. M/s.HUBERT ENVIRO CARE SYSTEMS (P)LTD, CHENNAI is the EIA Consultant for the project.
3. Total plot area of the project is 7892.77m<sup>2</sup> and Proposed built-up area is 51578.77m<sup>2</sup> respectively.
4. Maximum number of floors will be B2 +B1 +Podium01 +Podium02 +Podium03 +9floors and maximum height of the building will be 52.2m.
5. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
<b>GENERAL</b>			
1	Plot Area	11948.98	SQMT
2	Proposed Built Up Area	51578.77	SQMT
3	Total no of Saleable DU's/Villas	0	No.
4	Max Height - (Height of tallest block)	52.2	M
5	No of Building Blocks (Residential + Community facilities)	1	No.
6	Max No of Floors	13	No.
7	Expected Population	7048	No.
8	Total Cost of Project	254	CR
9	Project Activity :	"Construction Of Fintech Tower At Fintech City, Nandambakkam, Chennai' plot No.57, Survey No:	

		122,123, 125, 126, 131/1, 132,134, Nandambakkam Village, Alandur Taluk, Chennai – 600 089, Tamil Nadu State.	
<b>AREAS</b>			
10	Permissible Ground Coverage Area %	50	
11	Proposed Ground Coverage Area	3744.11 Sq.m	SQMT
12	Permissible FAR Area	76135.11	SQMT
13	Proposed FAR Area	33726.59	SQMT
14	Other Non-FAR Areas - including basement area etc.	25699	SQMT
15	Proposed Total Built Up Area	51578.77	SQMT
<b>WATER</b>			
16	Total Water Requirement	552.79	KLD
17	Fresh water requirement	247.92	KLD
18	Treated Water Requirement	185.5	KLD
19	Wastewater Generation	283.83	KLD
20	Proposed Capacity of STP	400	KLD
21	Treated Water Available for Reuse	277.87	KLD
22	Treated Water Recycled	277.87	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission	0	KLD
<b>RAINWATER HARVESTING</b>			
24	Rainwater Harvesting - Recharge Pits	0	No.
<b>PARKING</b>			
25	Total Parking Required as / Building Bye Laws	1187	ECS

  
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SEAC -TN

53

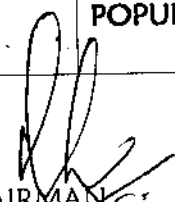
  
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26	Proposed Total Parking	1249	ECS
27	Parking in Basements	0	ECS
<b>GREEN AREA</b>			
28	Proposed Green Area (Minimum 15.0% of plot area)	1835.8	SQMT
	Total area	11948.98	SQMT
	Existing trees on plot	51	Nos
	Number of trees to be planted	1046	Nos
	Number of trees to be planted for compensation	370	Nos
	Number of trees to be transplanted/cut	46	Nos
<b>SOLID WASTE MANAGEMENT</b>			
29	Total Solid Waste Generation	1.409.6	TPD
30	Organic waste	0.845.76	TPD
31	Quantity of E-Waste Generation- Kg/Day	0	KG/DAY
32	Quantity of Hazardous waste Generation	6.13	LPD
33	Quantity of Sludge Generated from STP	45	KG/DAY
<b>POWER / GREEN POWER</b>			
34	Total Power Requirement	5980	KW
35	DG set backup	8000	KVA
36	No of DG Sets	4	No.
37	Solar Panels – Roof Coverage	50	%
38	Hot Water Requirement	0	KLD
	Of which met by Solar Panels	0	KLD

1. Population details:

POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION

  
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Total Saleable Du's	0	-	-
Total	0	-	-
Non Residential	0	-	-
CLUB (Employees etc. )	Area	-	-
Club	0	-	-
Commercial	0	-	-
Facility Management Staff	0	-	-
Total	0	-	-
Visitors	0	-	-
Residential	0	xx% of Residential Population	-
Club/Community Hall	0	xx% of Residential Population	-
Commercial	6120	-	-
Total Visitors	918	-	-
Total Population	7048	-	-

7. The project proposal falls under Category-8(a) "B2" Building and Construction Projects of EIA Notification, 2006 (as amended)

### **RECOMMENDATION OF THE COMMITTEE**


The Committee discussed the matter and recommended grant of environmental clearance for the project proposal as above along with standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:

#### **Additional Conditions:**

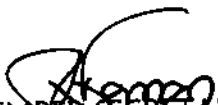
1. The construction shall comply with Green Building norms and shall get minimum LEEDS Platinum rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.

  
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SEAC -TN

55

  
CHAIRMAN  
SEAC- TN

3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. The Project proponent shall strive to ensure that the standby generator sets are run green energy sources instead of Diesel.
5. Solar energy panels should cover at least 50% of total roof area. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
6. The project proponent shall submit action plan for planting 660 trees to TNPCB before obtaining CTO.
7. The unit shall ensure the compliance of land use classification fit for construction.
8. The PP shall explore the possibility of constructing permeable pavements.
9. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
10. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
11. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
12. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
13. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring

  
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SEAC- TN



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

14. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
15. As accepted by the Project Proponent the CER cost is Rs.1.5 Crores and the amount shall be spent for the committed activities for five Government Corporation Higher Secondary School obtaining CTE from TNPCB.

**Standard Environmental Clearance Conditions prescribed by MoEF&CC:**

**1. Statutory Compliance:**

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

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

**2. Air quality monitoring and preservation:**

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

8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
  9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
  10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  11. For indoor air quality the ventilation provisions as per National Building Code of India.
- 3. Water Quality Monitoring and Preservation:**
1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under

  
MEMBER SECRETARY  
SEAC -TN

59

  
CHAIRMAN  
SEAC- TN

consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

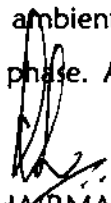
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### 4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate

  
MEMBER SECRETARY  
SEAC -TN

61

  
CHAIRMAN  
SEAC- TN

measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of sixmonthly compliance report.
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**5. Energy Conservation Measures:**

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## 6. Waste Management :

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

## 7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

## 8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.

  
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SEAC -TN


  
CHAIRMAN  
SEAC- TN



2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**9. Human Health Issues:**

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

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC- TN

#### 10. Corporate Environment Responsibility:

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of sixmonthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

#### 11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

- addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC- TN

12. The Ministry reserves the right to stipulate additional conditions if found necessary.  
The Company in a time bound manner shall implement these conditions.

13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Agenda No: 381 – 23**


**(File No: 9881/2023)**

**Proposed Lime Kankar quarry lease area over an extent of Extent 123.26.5 Ha at S.F.No. Parts of 7/2A, 2B, 8/2A, 3A, 3B etc., (Annexure 2) of Vadakkunatham Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance.**  
**(SIA/TN/MIN/419988/2023, Dated: 27.02.2023)**

The proposal was placed for appraisal in 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. The Ramco Cements Limited has applied for Environmental Clearance for the proposed Lime Kankar quarry lease area over an extent of Extent 123.26.5 Ha at S.F.No. Parts of 7 to 15, 17 to 32, 34, 40, 101 to 103, 107 to 109, 113, 118, 124 to 130, 132, 138 to 139 & 213 to 215 of Vadakkunatham Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (b) "Mining of

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

Minerals Projects” of the schedule to the EIA Notification, 2006.

3. As per the mining plan, the lease period is for 10 years. The production for first five years is RoM – 15,01,500m<sup>3</sup> of Lime Kankar and 1,25,000 m<sup>3</sup> of Clay (Black Cotton Soil) for an ultimate depth of Mining 3m BGL.
4. Terms of Reference issued by MoEF&CC vide F.No. J-11015/40/2019-IA. II (M) Dated: 14.05.2019 and subsequently had conducted public hearing on 01.12.2022.
5. Earlier the proposal was placed in 376<sup>th</sup> SEAC meeting held on 05.05.2023. Based on the presentation and document furnished by the proponent, the PP has requested to defer the proposal until the transfer of file from the EAC which had issued the ToR under the provisions of MoEF Guidelines. The SEAC will deliberate on the proposal after hearing from the PP.
6. Subsequently, the proposal was again placed in 379<sup>th</sup> SEAC meeting held on 12.05.2023. Based on the presentation and document furnished by the proponent, SEAC noted that the proponent had obtained Terms of Reference from MoEF&CC. Subsequently, the proponent had submitted an application in Parivesh Portal for Environmental Clearance after conducting public hearing along with EIA report vide SIA/TN/MIN/419988/2023, Dated: 27.02.2023 to SEIAA-TN directly. Hence, SEAC decided to direct the proponent to apply at MoEF&CC for further course of action. During the meeting the PP requested adequate time to transfer the ToR file from the EAC, MoEF in order to process for EC. Hence the committee decided to defer the proposal.
7. Subsequently, proponent has submitted the letter issued by MoEF&CC, vide F.No. J-11015/40/2019-IA-II(M) Dated: 01.06.2023 regarding transfer of file from MoEF&CC to SEIAA-TN.

File No	9881/2022	Category	B1
	SIA/TN/MIN/419988/2023 dated 27.02.2023		
Sl. No	Salient Features of the Proposal		

  
MEMBER SECRETARY  
SEAC -TN

69

  
CHAIRMAN  
SEAC- TN

1.	Name of the Owner/Firm	:	M/s. The Ramco Cements Limited	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Lime Kankar Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	7/2A, 2B, 8/2A, 3A, 3B etc., (Annexure 2)	
4.	Village in which situated	:	Vadakkunatham	
5.	Taluk in which situated	:	Aruppukottai	
6.	District in which situated	:	Virudhunagar	
7.	Extent of quarry (in ha.)	:	123.26.5 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	9°19'04" - 9°20'07" N Latitudes and 78°12'32- 78°13'38" E Longitudes	
9.	Topo Sheet No.	:	58K/3	
10.	Type of mining	:	Mechanized Opencast Mining without Drilling and Blasting	
11.	Life of Project	:	10 Years	
	Lease Period	:	10 Years	
	Mining Plan Period	:	As per MCR, Rule 17, Mining Plan 5 Years period starting from date of execution of Lease Deed.	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources Tonnes (RoM)	:	Kankar: 33,89,788 Tonnes Clay: 25,88,565 Tonnes	-
	Minable Resources Tonnes (RoM)	:	Kankar: 24,26,738 Tonnes Clay: 18,53,145 Tonnes	-
	Annual Peak Production in Tonnes	:	ROM Kankar @ 0.5 MTPA Clay @ 25,000 TPA	-
	Maximum Depth in meters	:	3.0 m BGL	-
13.	Depth of water table	:	20-25 m	
14.	Man Power requirement per day:	:	Direct: 30 Persons Indirect: 30 Persons	
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	Total Water Requirement: 55 KLD 3 KLD - 2 KLD 50 KLD	
16.	Power requirement	:		
17.	Precise area communication approved by the Department of G&M.	:	TN State Industries Department vide Letter No. 2169/MMC.2/2018 dated 02.04.2018.	



		EMP Operating Cost: Rs. 25.66 Lakhs per Annum
24.	CER cost (in Rs. Lakh).	: Rs. 66 Lakhs (Break-up given below)
25.	EIA report submitted on	: Online Application SIA/TN/MIN/419988/2023 dated 27.02.2023 Hard copy of EIA Report submitted to the SEIAA Office on 08.03.2023
26.	ToR details	: TOR awarded by MoEF&CC F. No. J-11015/40/2019. IA. II(M) dated 14.05.2019
27.	Public hearing details	: Public Hearing Conducted on 01.12.2022

Subsequently, the proposal was again placed in the 381<sup>st</sup> SEAC meeting held on 08.06.2023. Based on the presentation and documents furnished, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total quantity should not exceed 15,01,500 Ts of Lime Kankar and 1,25,000 Ts of Clay with an annual peak production capacity of not exceeding 5,00,500 Ts of Lime Kankar and 25,000 Ts of Clay maintaining an ultimate depth of mining is 3 m Below Ground level, subject to the standard conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed mining activities (or) mining under expansion as per the provisions of Mines Act 1952, Mines Rules 1955 and Metalliferous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the mine leasehold 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.



4. The PP shall make necessary arrangements for rain water harvesting plan in the proposed quarry site.
5. 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 ROM ore, and top soil if any 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, 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), Quarry license or any other name.
6. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt of at least 5m wide along the boundary of the quarrying site and suitable working methodology for the same to be adopted by considering the wind direction.
7. 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.
8. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper escapement 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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SEAC -TN


  
CHAIRMAN  
SEAC- TN

9. **Machine-Induced Noise and Vibration:** 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. Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone. The Proponent shall also ensure that the level of Noise & Body vibration of all the HEMM deployed in the mine are monitored periodically and the report on such periodic monitoring shall be submitted to the Integrated Regional Office (IRO), MoEF&CC, Chennai / the Regional Office of CPCB, Chennai once in 12 months.
10. The proponent shall undertake the activities of restoration, reclamation and rehabilitation of lands affected by the quarrying operations in a phased manner and shall complete this work before the conclusion of such operations and the relinquishment of the quarrying activities as assured in the Environmental Management Plan & the Mine Closure Plan approved by the Regional Controller of Mines, Indian Bureau of Mines, Chennai.
11. The proponent shall obtain the 'No objection Certificate' from the Regional Director, Central Ground Water Board (CGWB), Chennai when the quarrying operations interfere with the ground water table.
12. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to the Integrated Regional Office (IRO), MoEF & CC, Chennai / Regional office of CPCB, Chennai. The same shall be intimated to the local habitants through village panchayat.
13. 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.
14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.

  
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CHAIRMAN  
SEAC- TN

15. 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 ROM ore; and transport of ROM ore will be as per IRC Guidelines with respect to complying with traffic congestion and density. Perennial maintenance of haulage road/village / Panchayat Road shall be carried out by the project proponent accordingly.
16. As an experimental exercise, the proponent shall design and install the heavy-duty weather shield cover in the existing haul trucks so as to prevent the spillage of ROM ore being transported and also to provide protection against suspended dust particles while plying in the panchayat haul roads/state highways. A report on the implementation of the above recommendation shall be informed to the SEIAA/SEAC, Tamil Nadu within six months from the date of lease execution.
17. 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.
18. The Occupational health and safety are very closely related to productivity and good employer-employee relationship. The main factors of occupational health in mines are fugitive dust, noise, vibration and ergonomic problem. Safety of employees and maintenance of mining equipment is to be taken care of as per the Metalliferrous Mines Regulations, 1961, Mines Rules, 1955 and Circulars of DGMS. To avoid any adverse effects, sufficient measures which include (i) Provision of rest shelters for mine workers with amenities like drinking water, toilets, etc.; (ii) Provision of personnel protection devices for the workers; (iii) Rotation of workers exposed to high noise areas; (iv) First-aid facilities.
19. The Project Proponent shall inform the Director of Mines Safety, Chennai Region, Chennai about the commencement of the mining operations to comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955.
20. The project proponent shall ensure that the provisions of the MMDR Act, 1957, and the MCDR 2017 are complied by carrying out the mining operations in a skillful, scientific and systematic manner keeping in view proper safety of the


  
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75

  
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SEAC- TN

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.

21. The quarrying activity shall be stopped if the entire quantity of ROM ore 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.
22. 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.
23. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter as well as in the Precise area communication letter issued by concerned District Collector should be strictly followed.
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. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. 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 of as committed.
27. As accepted by the Project Proponent the CER cost is Rs. 66 lakhs and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

  
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Name of the Village	Particulars	CER Amount
Suddhamadam , Maravarperungudi & Vadakkunatham Villages	Repairs and Maintenance of School buildings, Upliftment of Toilet facilities for Girls Students, etc.	Rs.20.40 Lakhs
	Water Supply to the Villages	
	Skill Development, Training of Village Women for self-employment, facilitating the educated youths	

Public Hearing Issues (QLs I & V) : Rs.23.60 Lakhs

Sl. No.	Description of Item	EMP Budget	
		Capital Cost, Rs. in Lakhs	Recurring Cost, Rs.Lakhs/Annum
1	To address Public Hearing Issues:-		
1	Drilling bore well & erection of Submersible Pump in Kanjampatti village (Speaker-6)	2.10	-
2	Desilting of Village Pond in Vadakkunatham during the year 2024-25 (Speaker-8)	0.50	-
3	Public toilet for the use of Public at Thirumalaipuram village in the year 2023-24(Speaker-6)	7.50	-
4	Bore well (2) with water tank in Kanjampatti during the financial year 2023-24	3.50	-
	<b>Sub Total</b>	<b>13.60</b>	

  
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II	To address Written Submission Issues: -		
5	RO plant for Matrusri Environment Society & Old age home (WS-2)	1.50	-
6	Platform (Thalam) for agriculture purpose in Vadakkunaatham Village (SW-10)	7.00	-
7	Construction of canal to the pond situated in Vadakkunatham village (SW-15)	1.50	-
<b>Sub Total</b>		<b>10.00</b>	<b>-</b>
<b>Total</b>		<b>23.60</b>	

Construction of 40 Nos. of Household Toilets in Vadakkunatham Village @Rs.30,000/- Per Toilet in 1 year: Rs. 12,00,000/-.

Rs. 15,00,000/- for Peafowl Conservation Plan and Rs.15,00,000/- for Srivilliputtur Grizzled Squirrel Sanctuary.

  
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## Annexure 2

Annexure I - List of S.F. Nos of the area in respect of Mining Plan submitted by Tvl. The Ramco Cement Limited in Vadakkuzhalam village of Aruppukotta Taluk, Virudhunagar District

Sl. No.	SF.No	Sub Div.No	Extent in Ha.	Sl. No.	SF.No	Sub Div.No	Extent in Ha.
1	7	2A	0.330	51	21	4	0.470
2	7	2B	0.335	52	21	5	0.920
3	8	2A	0.620	53	22	1A	1.425
4	8	3A	0.680	54	22	1B	3.025
5	8	3B	0.420	55	23	1	0.875
6	9	2A	0.550	56	23	2A	1.090
7	9	2B	1.200	57	23	2B	0.605
8	10	2B	1.810	58	24	1	1.665
9	10	3	0.905	59	25	1	1.635
10	11	1	0.470	60	25	3A	0.340
11	11	2	1.120	61	25	3B	0.370
12	11	3	0.710	62	25	4	0.910
13	11	4	0.445	63	26	1	1.135
14	12	5	1.135	64	26	2	2.885
15	13	1	0.440	65	26	3	0.465
16	15	2A	0.775	66	27	1	1.500
17	14	4	0.810	67	27	2	3.165
18	14	5	0.715	68	28	1	0.545
19	14	6	1.435	69	28	3	1.020
20	15	2	0.555	70	29	1	0.345
21	15	3	0.510	71	29	2	0.370
22	15	4	0.495	72	29	3	0.670
23	15	5	0.260	73	29	4B	0.585
24	15	6	0.405	74	29	4C	1.160
25	15	7	0.415	75	30	1	0.820
26	15	8	0.205	76	30	2A	0.220
27	15	9A	0.250	77	30	2B	0.535
28	15	9B	0.165	78	30	3A	1.740
29	15	10A	0.240	79	30	3B	0.630
30	17	2A	0.480	80	30	4	0.355
31	17	2B	0.710	81	31	2	0.615
32	17	2D	0.960	82	31	3	0.745
33	17	3A	0.320	83	31	4	0.500
34	17	3B	0.270	84	31	5	0.385
35	18	2B	0.610	85	31	7B	0.600
36	18	1	1.710	86	32	4B	1.380
37	19		0.850	87	32	5	0.960
38	19		0.755	88	32	6	0.795
39	19		1.75	89	34	5	1.010
40	19	4A	0.255	90	40	2A	0.190
41	19	4B	0.925	91	40	2B	1.205
42	20	2	0.395	92	40	4	1.240
43	20	3	0.500	93	101	1	1.690
44	20	4	0.455	94	101	2	0.560
45	20	5	1.535	95	102	1A	0.620
46	21	1A	0.479	96	102	1B	0.350
47	21	1B	0.465	97	102	1C	0.240
48	21	2A	0.115	98	103	1	0.465
49	21	2B	0.745	99	103	2	0.510
50	21	2C	0.275	100	103	3	0.415
101	107	2	2.695	135	127	5	0.355
102	107	4	0.331	136	127	6	0.325
103	107	5	0.110	137	127	7A	0.250

  
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104	107	6	0.245	128	127	7B	0.280
105	107	7	0.485	129	127	8	0.520
106	108	1	1.295	130	127	9	0.440
107	108	2	1.620	131	128	1	0.760
108	109	3	0.850	132	128	2	0.230
109	109	3	0.825	133	128	3	0.140
110	109	4	0.555	134	128	4	0.680
111	109	5	0.495	135	129	1A	0.210
112	109	6	0.550	136	129	1B	0.390
113	109	7	0.325	137	129	2	0.900
114	109	8	0.480	138	129	3	0.930
115	113	1	1.115	139	130	1	0.860
116	113	2A	1.180	140	130	2	0.105
117	113	2B	2.180	141	132	1A	0.280
118	118	1	1.200	142	132	1B	0.655
119	118	2	1.515	143	132	2	0.910
120	118	3A	0.285	144	138	1B	0.310
121	118	3B	0.255	145	139	1A	0.285
122	118	4	0.570	146	139	1B	0.735
123	124	1	0.325	147	139	2A	0.940
124	124	2	0.335	148	139	2B	1.055
125	124	3	0.690	149	213	1A	0.810
126	124	4	1.215	150	213	1B	0.810
127	125	5	0.605	151	213	1C	0.605
128	125	6	0.535	152	213	1D	0.390
129	125	7A	0.150	153	214	2	0.565
130	126	1	0.225	154	214	3	0.615
131	126	2	0.470	155	214	4	0.670
132	126	3	0.700	156	215	1B	0.665
133	127	3	0.295				
134	127	4	0.310				
					Total		113.26.5

Agenda No: 381-24

(File No: 9882/2023)

Proposed Lime Kankar quarry lease area over an extent of 294.18.5 Ha at S.F.No. Parts of 208 to 229, 232 to 235, 246 to 248, 253, 259 to 283, 287, 288, 290 to 298, 546, 547, 554 to 569, 571 to 575, 577 to 579, 581, 583 to 587, 589, 592, 603, 605 to 612 (Refer Annexure-II) of Therku Koppuchitampatti Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance. (SIA/TN/MIN/420107/2023, Dated: 01.03.2023)

The proposal is placed for appraisal in this 381<sup>st</sup> meeting of SEAC held on 08.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, M/s. The Ramco Cements Limited has applied for Environmental Clearance for the Proposed Lime Kankar quarry lease area

  
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SEAC -TN

80

  
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over an extent of 294.18.5 Ha at S.F.No. Parts of 208 to 229, 232 to 235, 246 to 248, 253, 259 to 283, 287, 288, 290 to 298, 546, 547, 554 to 569, 571 to 575, 577 to 579, 581, 583 to 587, 589, 592, 603, 605 to 612 (Refer Annexure-II) of Therku Koppuchitampatti Village, Aruppukottai Taluk, Virudhunagar 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. As per the mining plan, the lease period is for 10 years. The production for first five years is RoM – 36,79,500 Tonnes of Lime Kankar and 2,00,000 Tonnes of Clay for an ultimate depth of Mining 3m BGL.
4. Terms of Reference issued by MoEF&CC vide F.No. J-11015/41/2019-IA.11 (M) Dated: 16.05.2019 and subsequently conducted public hearing on 02.12.2022.
5. Earlier, the proposal was placed in the 376<sup>th</sup> meeting of SEAC held on 05.05.2023. 02.12.2022. Based on the presentation and document furnished by the proponent, the PP has requested to defer the proposal until the transfer of file from the EAC which had issued the ToR under the provisions of MoEF Guidelines. The SEAC will deliberate on the proposal after hearing from the PP.
6. Subsequently, the proposal was again placed in 379<sup>th</sup> SEAC meeting held on 12.05.2023. During the meeting The PP requested time to transfer the ToR project from MoEF in order to process for EC. Hence the committee decided to defer the proposal.
7. Now, based on the transfer letter submitted by the proponent obtained from MoEF&CC, the proposal is again placed in this 381<sup>st</sup> SEAC meeting held on 08.06.2023.
8. The salient features of the proposal are as follows:

File No	9882/2022	Category	B1
	SIA/TN/MIN/420107/2023 dated 01.03.2023		

  
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SEAC -TN

81

  
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SEAC- TN

Sl. No	Sallent Features of the Proposal		
1.	Name of the Owner/Firm	:	M/s. The Ramco Cements Limited
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Lime Kankar Quarry
3.	S.F Nos. of the quarry site with area break-up	:	Parts of 208 to 229, 232 to 235, 246 to 248, 253, 259 to 283, 287, 288, 290 to 298, 546, 547, 554 to 569, 571 to 575, 577 to 579, 581, 583 to 587, 589, 592, 603, 605 to 612 (Refer Annexure-II)
4.	Village in which situated	:	(Therku) T.Koppuchithampatti
5.	Taluk in which situated	:	Aruppukottai
6.	District in which situated	:	Virudhunagar
7.	Extent of quarry (in ha.)	:	294.18.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	09°26'08" - 09°24'33" N Latitudes and 78°06'42- 78°08'03" E Longitudes
9.	Topo Sheet No.	:	58K/3
10.	Type of mining	:	Opencast Mechanized Mining without drilling and blasting
11.	Life of Project	:	10 Years
	Lease Period	:	10 Years
	Mining Plan Period	:	As per MCR, Rule 17, Mining Plan 5 Years period starting from date of execution of Lease Deed.
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	Kankar: 80,90,087 Tonnes
			As modified by SEAC
			Kankar: 80,90,087 Tonnes

  
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		Clay: 61,77,885 Tonnes	Clay: 61,77,885 Tonnes
	Minable Resources m <sup>3</sup> (RoM)	Kankar: 61,54,407 Tonnes	Kankar: 61,54,407 Tonnes
		Clay: 46,99,729 Tonnes	Clay: 46,99,729 Tonnes
	Annual Peak Production in m <sup>3</sup>	Kankar - 1.2265 MTPA Clay - 0.04 MTPA	Kankar - 1.2265 MTPA Clay - 0.04 MTPA
	Maximum Depth in meters	3.0 m BGL	3.0 m BGL
13.	Depth of water table	20-25 m	
14.	Man Power requirement per day:	Direct : 40 Persons Indirect : 40 Persons	
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	Total Water Requirement: 55 KLD 3 KLD - 2 KLD 50 KLD	
16.	Power requirement	-	
17.	Precise area communication approved by the Department of G&M.	TN State Industries Department vide Letter No. 1769/MMC.2/2018 dated 12.03.2018.	
18.	Mining Plan approved by Department of G&M.	Mining Plan Approval by Department of Geology & Mining (TN) vide Lr. No. 585/MM10/2018/LK/Vnr dated 30.05.2018 As per MCR, Rule 17, Mining Plan 5 Years period starting from date of execution of Lease Deed.	

  
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SEAC -TN

83

  
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19.	Department of G&M, Deputy Director 500m Cluster Letter	Rc. No.KV1/14472/2017 dated 08.02.2019			
20.	VAO Certificate Regarding Structures within 300m Radius	There is <b>no habitation within 300 m radius area</b> of the Leases. VAO Certificate dated 29.06.2022 is also furnished.			
21.	Project Cost (excluding EMP cost)	:	Rs. 5.00 Crores		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
		:		<b>Kankar</b> <b>Clay</b>	
		:	Max Total RoM in Tonnes	36.79,500	2,00,000
		:	Annual Max RoM in Tonnes	1.2265 MTPA	0.04 MTPA
:	Max Depth in mtrs	1.5m - 3.0m BGL	1.0m - 1.5m BGL		
23.	EMP cost (in Rs. Lakh).	:	Capital EMP Budget: Rs. 34.65 Lakhs EMP Operating Cost: Rs. 28.84 Lakhs per Annum		
24.	CER cost (in Rs. Lakh).	:	Rs. 64.1 Lakhs (Break-up given below)		
25.	EIA report submitted on	:	Online Application SIA/TN/MIN/420107/2023 dated 01.03.2023 Hard copy of EIA Report submitted to the SEIAA Office on 08.03.2023		
26.	ToR details	:	TOR awarded by MoEF&CC F. No. J-11015/41/2019.IA.II(M) dated 16.05.2019		
27.	Public hearing details	:	Public Hearing Conducted on 02.12.2022		

Based on the presentations & detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total quantity of Kankar: 36,79,500 Tonnes & Clay: 2,00,000 Tonnes for a period of 5 years with an annual peak production capacity of not exceeding Kankar - 1.2265 MTPA & Clay - 0.04 MTPA by maintaining ultimate depth of mining is 3.0m Below Ground level, subject to the standard conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed mining activities (or) mining under expansion as per the provisions of Mines Act 1952, Mines Rules 1955 and Metalliferrous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the mine leasehold 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.
4. The PP shall make necessary arrangements for rain water harvesting plan in the proposed quarry site.
5. The proponent shall introduce a minimum of one Electric Vehicle (Truck) for the transportation of ROM to the plant from the mine premises.
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 ROM ore, and top soil if any 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, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and

  
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SEAC -TN

85

  
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SEAC- TN

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), Quarry license or any other name.

7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt of at least 5m wide along the boundary of the quarrying site and suitable working methodology for the same to be adopted by considering the wind direction.
8. The purpose of the 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.
9. 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.
10. **Machine-Induced Noise and Vibration:** 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. Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone. The Proponent shall also ensure that the level of Noise & Body vibration of all the HEMM deployed in the mine are monitored periodically and the report on such periodic monitoring shall be submitted to the Integrated Regional Office (IRO), MoEF&CC, Chennai / the Regional Office of CPCB, Chennai once in 12 months.

  
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11. The proponent shall undertake the activities of restoration, reclamation and rehabilitation of lands affected by the quarrying operations in a phased manner and shall complete this work before the conclusion of such operations and the relinquishment of the quarrying activities as assured in the Environmental Management Plan & the Mine Closure Plan approved by the Regional Controller of Mines, Indian Bureau of Mines, Chennai.
12. The proponent shall obtain the 'No objection Certificate' from the Regional Director, Central Ground Water Board (CGWB), Chennai when the quarrying operations interfere with the ground water table.
13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to the Integrated Regional Office (IRO), MoEF & CC, Chennai / Regional office of CPCB, Chennai. The same shall be intimated to the local habitants through village panchayat.
14. 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.
15. The proponent shall provide sedimentation tank/settling tank with adequate capacity for runoff management.
16. 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 ROM ore; and transport of ROM ore will be as per IRC Guidelines with respect to complying with traffic congestion and density. Perennial maintenance of haulage road/village / Panchayat Road shall be carried out by the project proponent accordingly.
17. As an experimental exercise, the proponent shall design and install the heavy-duty weather shield cover in the existing haul trucks so as to prevent the spillage

  
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of ROM ore being transported and also to provide protection against suspended dust particles while plying in the panchayat haul roads/state highways. A report on the implementation of the above recommendation shall be informed to the SEIAA/SEAC, Tamil Nadu within six months from the date of lease execution.

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. Occupational health and safety are very closely related to productivity and good employer-employee relationship. The main factors of occupational health in mines are fugitive dust, noise, vibration and ergonomic problem. Safety of employees and maintenance of mining equipment is to be taken care of as per the Metalliferrous Mines Regulations, 1961, Mines Rules, 1955 and Circulars of DGMS. To avoid any adverse effects, sufficient measures which include (i) Provision of rest shelters for mine workers with amenities like drinking water, toilets, etc.; (ii) Provision of personnel protection devices for the workers; (iii) Rotation of workers exposed to high noise areas; (iv) First-aid facilities.
20. The Project Proponent shall inform the Director of Mines Safety, Chennai Region, Chennai about the commencement of the mining operations to comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955.
21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, and the MCDR 2017 are complied by carrying out the mining 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 of ROM ore 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



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

24. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter as well as in the Precise area communication letter issued by concerned District Collector should be strictly followed.
25. 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.
26. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
27. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere to the EMP as committed.
28. As accepted by the Project Proponent the CER cost is Rs. 64.1 lakhs and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

i)

Name of the Village	Particulars	CER Amount
Koppuchithampatti	Repairs and Maintenance of School buildings, Upliftment of Toilet facilities for Girls Students, etc.	Rs.10.00 Lakhs
	Water Supply to the Village	
	Skill Development, Training of Village Women for self-employment, facilitating the educated youths	

  
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ii) Public Hearing Issues : Rs.21.50 Lakhs

Sl. No.	Description of Item	EMP Budget	
		Capital Cost, Rs. in Lakhs	Recurring Cost, Rs.Lakhs/Annum
I	To address Public Hearing Issues:-		
1	Cart track to Maravarperugudi will be restored in FY 2023-24 (Speaker-6)	0.50	-
2	Karuvelam trees will also be removed from the Public places in the village (Speaker-6)	0.75	-
3	Clearance of Bushes around the cultivation lands in Koppuchithampatti (Speaker-9)	0.50	-
4	Village road will be rectified by filling gravel in the damaged roads (Speaker-9)	1.00	-
5	Karuvelam trees will be removed. Bushes around the cultivation lands will be cleared off (Speaker-10)	0.75	-
6	Medical Camps & Installation of RO system, erection of borewell in Koppuchithampatti (Speaker-17)	5.50	-
7	Plantation and maintain of 1000 saplings in Koppuchithampatti (Speaker-20)	1.00	-
II	To address Written Submission Issues:-		
8	RO plant to Old Age Home (WS-7)	1.50	-
9	Conduits will be constructed in the Cart Track.Facelift of Krishna Temple will be done at E. Koppuchithampatti (WS-14)	7.00	-

  
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10	Bushes and Karuvelam trees clearance at E-Koppuchithampatti (WS-17)	3.00	-
<b>Total</b>		<b>21.50</b>	

- iii) Construction of 42 Nos. of Household Toilets in T.Koppuchithampatti Village @Rs.30,000/- Per Toilet in 1 year : Rs. 12,60,000/-.
- iv) Rs. 10,00,000/- for Peafowl Conservation Plan and Rs.10,00,000/- for Srivilliputtur Grizzled Squirrel Sanctuary.

**ANNEXURE – II – Details of S.F.Nos with Area Break-up as approved by Competent Authority**

SF.No	Sub Div.No	Extent in Ha.	217	3B	0.380	228	3B	0.810
208	1	0.385	217	2	0.880	228	5	0.650
209	1A	0.500	218	1	1.485	229	1B	0.330
209	1B	0.540	218	2A	0.590	229	1C	0.330
209	2	0.585	218	2B	0.590	229	2	0.815
209	3	0.335	218	3A	0.120	229	3A	0.745
210	1A	0.365	218	3B	0.170	229	3B	0.745
210	2	0.785	218	4A	0.125	229	3C	0.350
210	3A	0.580	218	4B	0.180	229	3D	0.145
210	3B	0.500	218	5A	0.100	229	3E	0.145
211	2 Part	1.695	218	5B	0.255	232		0.590
211	3	0.125	218	5C	0.230	232	3	0.585
211	4	0.130	219	2	0.455	233	2	0.540
212	1	0.510	219	3	0.845	233	3A	0.290
212	2	0.285	219	4	0.875	233	3B	0.250
212	3	0.245	219	5	0.650	233	3C	0.340
212	4	0.250	219	6	0.445	233	3D	0.270
212	5	0.430	220	2	0.640	233	1	0.560
213	2A	0.450	220	5	0.340	234	2	0.585
213	2B	0.455	221	2	0.225	234	3A	0.610
213	3	0.480	221	3	0.225	234	3B	0.620
213	4	0.525	221	4	0.215	235	2A	0.310
213	5	0.245	222	2	0.530	235	2B	0.300
214	3B	0.305	222	3A	0.300	235	4	0.585
214	3C	0.280	222	4	0.695	235	5	0.640
214	3E	0.120	222	5	1.070	235	3	0.640
214	1	0.945	223	2B1	0.960	246	2	0.430
214	2	0.770	224	1	0.630	246	3A	0.105
214	3D	0.150	224	2	0.585	246	3B	0.200
215	2	0.325	224	4	0.310	246	3C	0.110
215	3	0.385	225	1A	0.200	246	Part	
215	4	0.695	225	1B	0.205	246	4	0.500
215	8A	0.540	225	2	0.400	248	5	1.255
215	8B	0.545	225	3	0.480	247	1B	0.225
216	2	0.610	226	5	0.645	247	2	0.430
216	3	0.435	226	6	0.275	247	4A	0.290
216	4	0.470	226	7	0.225	247	4B	0.270
216	6	0.530	226	8	0.745	247	4C	0.280
217	3A	0.460	226	9	0.790	247	7A	0.670
			227	1	0.500	247	7B	0.175
			227	2	0.470	248	1	0.275
			227	4	0.585	248	2	0.545
			227	5 Part	0.205	248	3	0.370
			227	3	1.110	248	4	0.285
			228	3A1	1.380	248	5A	0.210

  
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248	5B	0.200
248	6	0.305
248	7	2.875
253	4	0.460
259	1	0.280
259	2	0.460
259	6	1.410
259	7	1.380
259	5	1.145
260	1	0.690
260	2	1.270
261	1	1.015
261	2	1.000
261	3A	0.360
261	5	1.255
261	4	0.520
262	1	0.745
262	2A	0.710
262	2B	0.650
262	3	0.470
262	4	0.500
262	5	0.240
262	6	0.290
263	1	1.175
263	2A	0.420
263	2B	0.360
263	2C	1.840
264	1	0.140
264	2	0.090
264	4	1.365
264	7	0.530
264	8	0.760
264	9	0.175
265	1	1.175
265	2	1.195
265	3	1.165
265	4	0.540
266	1A	0.660
266	3A	0.590
266	3B	0.645
266	4	0.360
267	4	0.370
267	7	0.355
268	1A	0.225
268	1B	0.230

268	1C	0.225
268	1D	0.440
268	1E	0.460
268	1F	0.450
268	2	0.705
268	3	0.690
269	1A	0.470
269	3	0.570
269	4A	0.295
269	4B	0.280
269	4C	0.045
269	5	0.355
269	6	0.545
269	7	0.470
269	8	0.210
270	2	0.415
270	3A	0.700
270	3B	0.160
270	4A	0.930
270	4B	0.435
270	5	0.600
271	1	0.500
271	2A	1.030
271	2B	0.280
272	1	0.415
272	2	0.390
272	3	0.850
272	4A	0.770
272	4B	0.220
272	5	0.765
273	1B	0.340
273	3	0.625
273	4	0.795
273	5	0.440
273	6	0.415
273	1A	0.340
274	2A	0.615
274	2B	0.705
274	3	0.310
274	4	0.355
274	5	0.710
274	6	0.650
275	1	0.650
275	2	1.010
275	4A	0.580

275	5A	0.440
276	1A	0.120
276	1B	0.125
276	2	1.010
276	3	0.680
276	4	0.745
276	5	0.975
277	1A	0.840
277	1B	0.385
277	1C	0.355
277	2	0.890
277	3	0.840
278	1A	0.475
278	1B	0.200
278	2	0.290
278	3	0.735
278	4	0.110
278	6	1.000
279	1D	0.580
280	1	0.415
280	2	0.475
280	3	0.845
280	4	0.970
281	1A	0.580
281	1B	0.510
281	2A	0.780
281	2B	0.820
281	2C	0.550
282	4	0.965
283	1A	0.750
283	1B	0.630
283	2A	0.280
283	2B	1.430
287	1A	0.630
287	1B	0.310
287	1C	0.380
287	2	1.480
288	2B	0.210
288	3A	1.360
288	3B	1.160
290		2.955
291	2A	0.355
291	2B	0.445
291	3	0.840
291	4	1.410

  
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292	1	0.860
292	2	0.855
292	3	0.810
292	4	0.810
293	3A	0.705
293	3B	0.425
293	4	0.390
293	2B	0.445
293	2C	0.420
294	2	1.115
294	3	0.370
294	4	0.320
294	5	0.465
295	2	2.895
296	2	1.475
296	3	0.980
296	4	0.880
297	2	3.065
298	2	0.790
298	3A	0.600
298	3B	0.800
298	4	0.060
298	6	0.330
298	7	0.815
546	2	0.730
546	3	0.625
546	5	0.395
546	6	1.800
546	1	0.720
547	1	1.200
547	2	0.455
547	5	0.880
547	6	0.940
554	2 Part	0.260
554	3	0.945
554	4	0.485
554	6	0.395
554	7	1.770
554	5	0.415
555	1	2.105
555	2A	0.625
555	2B	0.620
555	3	0.605
555	4	0.635
556	1	1.880

556	2	1.100
556	3	0.945
557	1	0.400
557	2	1.765
558	1	0.885
558	2	0.620
558	3	1.490
558	4B	0.345
558	6	0.390
559	1	1.005
559	2	2.815
560	1	1.480
560	2A	0.740
560	2B	0.735
561	1	1.070
561	2	0.970
561	3A	0.630
561	3B	0.335
562	1	1.095
562	2	0.970
562	3	0.930
562	4	0.420
562	5	0.485
563	2	0.780
563	3	1.205
563	1	0.800
564	1	1.370
564	2	1.410
565	1A	0.380
565	1B	0.335
565	1C	0.670
565	2	0.980
565	1D	0.300
566	1	0.980
566	2	0.900
566	3	0.870
567	1	1.845
567	2A	0.555
567	3	0.905
568	1A	0.685
568	1B	0.730
568	1C	0.715
568	2	0.860
569	3	0.885
569	5A	0.845

571	1	2.125
572	1	2.320
572	2	1.595
573	1	1.050
573	2A	0.500
573	3A	0.810
573	3B	1.500
574	1	1.495
574	2A1	2.150
574	2A2	0.770
574	2B	0.505
574	2C	0.505
575	1	0.545
575	2	1.650
575	3A	0.540
575	3B	1.890
577	2	1.385
578	1A	1.075
578	1B	0.720
578	2A	0.415
578	2B	0.415
579	1	0.820
581	1A	0.240
581	2	0.430
583	4	0.515
583	6	1.020
584	1	1.040
584	2	0.455
584	3	0.490
584	5	0.985
584	6	0.840
585	1A	0.390
585	1B	0.470
585	2A	0.490
585	3	1.725
586	3	0.955
586	1	0.480
587	1	1.470
587	2B	0.575
589	2	1.435
592	1	1.445
592	2	1.205
603	2	1.765
605	1	1.855
605	2A	0.815

  
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605	2B	0.850
606	1	1.215
606	2	1.215
606	3	1.375
607	2	1.230
607	4	0.350
607	5	0.770
607	6	0.475
608	1	0.275
608	2	1.295
609	6	0.595
609	7	0.810
610	1	0.660
610	2	0.680
610	3A	1.030
610	3B	0.960
610	4	1.835
611	2	0.480
611	3A	0.300
611	4	0.600
611	5	0.540
612	1	1.180
612	2	1.155
<b>TOTAL</b>		<b>294.185</b>

**Agenda No: 381 - 25**

**(File No: 9883/2023)**

**Proposed Lime Kankar quarry over an extent of 498.87.0 Ha in SF.No. parts of 14/2,14/3,15/1 etc (Annexure-2) at Suddhamadam Village, Arupppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s.The Ramco Cements Limited - For Environmental Clearance. (SIA/TN/MIN/419642/2023,Dt.27.02.2023)**

The proposal was placed in the 376<sup>th</sup>SEAC Meeting held on 05.05.2023 & 379<sup>th</sup> SEAC Meeting held on 12.05.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, M/s. The Ramco Cements Limited has applied for Environmental Clearance for the Proposed Lime Kankar quarry over an extent of 498.87.0 Ha in SF.No.parts of 14/2,14/3,15/1 etc (Annexure-2) of Suddhamadam Village, Arupppukottai Taluk, Virudhunagar District, Tamil Nadu.

  
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2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. ToR Issued by MoEF&CC vide F.No.J- 11015/39/2019.IA.II(M) dated 15.05.2019.
4. Public hearing conducted on 01.12.2022.

The SEAC noted,

- (i) Earlier, the PP has filed ToR application to MoEF and the proposal was deliberated in 4<sup>th</sup> EAC meeting held during 23-24.04.2019 and ToR was granted dated 15.05.19.
- (ii) Now the PP has applied for EC to SEIAA, TN based on notification SO 1886(E) dated 20.04.2022.
- (iii) The PP requested adequate time to transfer the ToR project from MoEF in order to process for EC.

Hence the committee decided to defer the proposal.

The proposal now placed for appraisal in this 381<sup>st</sup> SEAC Meeting held on 08.06.2023.

The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

File No	9883/2022		Category	B1
	SIA/TN/MIN/419642/2023 dated 27.02.2023			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	M/s. The Ramco Cements Limited 5th Floor Auras Corporate Centre 98A Dr Radhakrishnan Road Mylapore Chennai 60004	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Lime Kankar Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	14/2.14/3.15/1 etc (Annexure-2)	
4.	Village in which situated	:	Suddhamadam	

  
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95

  
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5.	Taluk in which situated	:	Aruppukottai
6.	District in which situated	:	Virudhunagar
7.	Extent of quarry (in ha.)	:	498.87.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	09°19'42" N to 09°21'38" N 78°10'03 E to 78°12'39" E
9.	Topo Sheet No.	:	58K/3
10.	Type of mining	:	Opencast Mechanized Mining
11.	Life of Project	:	8 Years
	Lease Period	:	10 Years
	Mining Plan Period	:	5 Years
12.	Mining Plan Details	:	<b>As per approved Mining Plan</b>
	Geological Resources Tonnes	:	Kankar: 137,18,926 Tonnes Clay : 123.47,032 Tonnes
	Minable Resources Tonnes	:	Kankar: 102,18,313 Tonnes Clay : 4,80,000 Tonnes
	Annual Peak Production in Tonnes	:	ROM Kankar @ 1.333 MTPA Clay @ 60,000 TPA
	Maximum Depth in meters	:	3.0m BGL
13.	Depth of water table	:	20m -25 m
14.	Man Power requirement per day:	:	80 Persons
15.	Water requirement:		<b>55 KLD</b>
	5. Drinking water		3 KLD
	6. Utilized water	:	-
	7. Dust suppression		2 KLD
	8. Green belt		50 KLD
16.	Power requirement		TNEB
17.	Precise area communication approved by the Industries Department	:	Letter No. 14547/MMC.2/2016-1 dated 21.04.2017



18.	Mining Plan approved by Department of G&M.	:	Lr. No. 7012/MM10/2016/LK/Vnr dated 11.05.2018		
19.	Department of G&M, Deputy Director 500m Cluster Letter	:	Rc. No.KVI/14262/2016 dated 28.01.2019		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated:29.06.2022		
21.	Project Cost (excluding EMP cost)	:	Rs. 6.00 Crores		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Kankar	Clay
			Max Total RoM in Tonnes	ROM Kankar- 66,66,665 Tonnes	Clay @ 3,00,000 Tonnes
			Annual Max RoM in Tonnes	ROM Kankar @ 1.333 MTPA	Clay @ 60,000 TPA
	Max Depth in mtrs		3.0m BGL		
23.	EMP cost (in Rs. Lakh).	:	Rs. 45.40 Lakhs		
24.	CER cost (in Rs. Lakh).	:	Rs. 70 Lakhs		
25.	EIA report submitted on	:	Dated : 08.03.2023		
26.	ToR details	:	TOR Issued by MoEF&CC vide F. No. J-11015/39/2019.IA.II(M) dated 15.05.2019		
27.	Public hearing details	:	Public Hearing Conducted on 01.12.2022		

**Annexure-2**

**List of survey no's**

  
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97

  
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Sl.	Survey	sub-division	Extent in Ha.	Classification	Patta No
1	14	2	0.170	Patta	1010
2	14	3	0.550	Patta	1010
3	15	1	1.820	Patta	1010
4	15	2	2.180	Patta	1010
5	19	1A	0.270	Patta	1010
6	19	1B	0.295	Patta	1010
7	19	1C	0.525	Patta	1010
8	19	1D	0.535	Patta	1010
9	19	2A	0.905	Patta	1010
10	19	2B	0.845	Patta	1010
11	20	1	1.620	Patta	1010
12	20	2	1.320	Patta	1010
13	20	3	1.285	Patta	1010
14	21	1	1.435	Patta	1010
15	21	2	1.485	Patta	1010
16	22	1	1.185	Patta	1010
17	22	2	1.245	Patta	1010
18	22	3	0.755	Patta	1010
19	22	4	0.680	Patta	1010
20	30	1	1.870	Patta	1010
21	30	2	1.840	Patta	1010
22	31	1	0.950	Patta	1010
23	31	2	1.000	Patta	1010
24	31	3	2.050	Patta	1010
25	32	1	2.445	Patta	1010
26	32	2A	0.570	Patta	1010
27	32	2B	0.535	Patta	1010
28	32	3A	0.470	Patta	1010
29	32	3B	0.470	Patta	1010
30	33	1	0.715	Patta	1010
31	33	2	1.005	Patta	1010
32	40	1	0.665	Patta	1010
33	40	3A	0.190	Patta	1010
34	41	1A	0.280	Patta	1010
35	41	1B	0.285	Patta	1010
36	41	1C	0.280	Patta to be transferred	
37	41	1D	0.280	Patta	1010
38	41	4B	0.385	Patta	1010
39	41	5A	0.730	Patta	1010
40	41	5B2	0.770	Patta	1010
41	43	1A	0.485	Patta	1010
42	43	1B	0.480	Patta	1010
43	43	2	2.115	Patta	1010
44	43	3	2.115	Patta	1010
45	44	1	1.885	Patta	1010
46	44	2	1.925	Patta	1010
47	54	1	2.290	Patta	1010
48	54	2	1.150	Patta	1010

  
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49	54	3	1.150	Pattn	1010
50	55		2.225	Pattn	1010
51	56	1	1.675	Pattn	1010
52	56	2A	1.040	Pattn	1010
53	56	2B	1.050	Pattn	1010
54	58	1	1.080	Pattn	1010
55	58	2A	1.420	Pattn	1010
56	58	2B	1.240	Pattn	1010
57	59	1	0.415	Pattn	1010
58	59	2	4.115	Pattn	1010
59	62	1	0.760	Pattn	1010
60	62	2	1.205	Pattn	1010
61	63	1	1.320	Pattn	1010
62	63	2	0.670	Pattn	1010
63	63	3	0.630	Pattn	1010
64	65	2	1.590	Pattn	1010
65	65	3A	0.210	Pattn	1010
66	65	3B	1.040	Pattn	1010
67	65	4	0.360	Pattn	1010
68	66	2	1.580	Pattn	1010
69	66	1	1.585	Pattn	1010
70	66	2	0.520	Pattn	1010
71	79	1	1.680	Pattn	1010
72	79	2A	1.440	Pattn	1010
73	79	2B	0.480	Pattn	1010
74	80	1	1.305	Pattn	1010
75	80	2A	2.165	Pattn	1010
76	80	2B	2.260	Pattn	1010
77	84	1	2.480	Pattn	1010
78	84	2	0.925	Pattn	1010
79	86	1A	0.500	Pattn	1010
80	86	1B	1.010	Pattn	1113
81	86	1C	0.360	Pattn	1113
82	86	2	1.060	Pattn	1010
83	87	3	0.310	Pattn	1010
84	87	4A	0.190	Pattn	1010
85	87	4B	0.215	Pattn	1010
86	87	5A	1.660	Pattn	1010
87	87	5B	1.170	Pattn	1010
88	88	1	2.390	Pattn	1010
89	88	2A	0.530	Pattn	1010
90	88	2B	0.520	Pattn	1010
91	88	3	1.020	Pattn	1010
92	89	1	2.155	Pattn	1010
93	89	2	1.000	Pattn	1010
94	90	1	0.295	Pattn	1010
95	90	2A	0.340	Pattn	1010
96	90	2B	0.800	Pattn	1010
97	90	2C	0.840	Pattn	1010
98	90	2D	0.875	Pattn	1010
99	90	3	1.660	Pattn	1010
100	91	1A	1.400	Pattn	1010
101	91	1B	1.410	Pattn	1010

  
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102	91	2A	0.935	Patta	1010
103	91	2B	0.930	Patta	1010
104	91	2C	0.940	Patta	1010
105	93	1A1	0.560	Patta	1010
106	93	1A2	0.470	Patta	1010
107	93	1B	0.650	Patta	1010
108	93	1C	0.565	Patta	1010
109	93	2A	0.835	Patta	1010
110	93	2B	0.830	Patta	1010
111	94	1	2.085	Patta	1010
112	94	3	0.250	Patta	1010
113	95	1	0.580	Patta	1010
114	95	2	0.590	Patta	1010
115	96	1	1.080	Patta	1010
116	96	2	0.550	Patta	1010
117	96	3A	0.500	Patta	1010
118	96	3B	1.065	Patta	1010
119	96	3C	0.430	Patta	1010
120	96	3D	0.340	Patta	1010
121	96	4A	0.710	Patta	1010
122	96	4B	0.650	Patta	1010
123	96	4C	0.520	Patta	1010
124	96	5	0.730	Patta	1010
125	97	1	4.370	Patta	1010
126	97	2	0.525	Patta	1010
127	98	1B	0.390	Patta to be Transferred	
128	98	3	0.585	Patta to be Transferred	
129	99	2A	0.490	Patta	1010
130	99	2C	0.500	Patta	1010
131	99	3A	0.560	Patta	1010
132	99	3B	0.595	Patta	1010
133	100	1B	0.380	Patta	1010
134	100	1D	0.510	Patta	1010
135	100	2	2.275	Patta	1010
136	101	1A	1.525	Patta	1010
137	101	1B	1.370	Patta	1010
138	101	1C	1.365	Patta	1010
139	101	1D	1.365	Patta	1010
140	101	1E	1.440	Patta	1010
141	101	2	0.380	Patta	1010
142	103	1	0.710	Patta	1010
143	103	2	0.670	Patta	1010
144	103	5	0.500	Patta	1010
145	103	6	0.030	Patta	1010
146	103	7	1.075	Patta	1010
147	104	1	1.765	Patta	1010
148	104	2B	0.200	Patta	1010
150	105	1	0.540	Patta	1010
151	105	3	1.445	Patta	1010
152	106	1	0.975	Patta	1010
153	106	4	0.895	Patta	1010
154	106	5A	0.435	Patta	1010
155	106	5B	0.455	Patta	1010

  
MEMBER SECRETARY  
SEAC -TN

100

  
CHAIRMAN  
SEAC- TN

156	107	1	0.785	Pass	1010
157	107	2	0.365	Pass	1010
158	107	3	0.365	Pass	1010
159	107	4	0.950	Pass	1010
160	107	5	1.070	Pass	1010
161	108	1A	0.360	Pass	1010
162	108	1B	0.535	Pass	1010
163	108	2	0.535	Pass	1010
164	108	3	1.140	Pass	1010
165	108	4A	0.740	Pass	1010
166	108	4B	0.410	Pass	1010
167	108	4C	0.400	Pass	1010
168	108	7	0.460	Pass	1010
169	109	1	2.515	Pass	1010
170	109	2	0.535	Pass	1010
171	109	3	0.420	Pass	1010
172	111	1A	0.660	Pass	1010
173	111	1B1	0.335	Pass	1010
174	111	1B2	0.320	Pass	1010
175	111	2	1.320	Pass	1010
176	112	1	1.145	Pass	1010
177	112	2A	0.300	Pass	1010
178	112	2B	0.310	Pass	1010
179	112	2C	0.325	Pass	1010
180	112	3A	0.140	Pass	1010
181	112	3B	0.150	Pass	1010
182	112	3C	0.160	Pass	1010
183	113	1A	0.605	Pass	1010
184	113	1B	0.700	Pass	1010
185	113	1C	0.680	Pass	1010
186	113	2	1.485	Pass	1010
187	114	1	0.640	Pass	1010
188	114	3A	0.155	Pass	1010
189	114	3B	0.145	Pass	1010
190	114	3C	0.145	Pass	1010
191	114	4	0.565	Pass	1010
192	114	5	0.810	Pass	1010
193	115	1	0.440	Pass	1010
194	115	2	1.115	Pass	1010
195	115	3	0.735	Pass	1010
196	115	4	0.820	Pass	1010
197	115	5	1.995	Pass	1010
198	116	1	0.895	Pass	1010
199	116	2	0.705	Pass	1010
200	117	2A	3.515	Pass	1010
201	117	2B	0.755	Pass	1010
202	118	1	0.560	Pass	1010
203	118	2	0.800	Pass	1010
204	118	3	1.505	Pass	1010
205	118	4	1.530	Pass	1010
206	119	1	2.770	Pass	1010
207	119	2	0.760	Pass	1010
208	119	3	0.810	Pass	1010

  
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SEAC -TN

  
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SEAC -TN

209	120	1A	0.760	Parta	1010
210	120	1B	0.810	Parta	1010
211	121	1B	0.400	Parta	1010
212	121	3	1.335	Parta	1010
213	122	4	0.200	Parta	1010
214	122	5A	0.200	Parta	1010
215	122	5B	0.200	Parta	1010
216	122	6	0.565	Parta to be Transferred	
217	124	1A	1.210	Parta	1010
218	124	1B	1.280	Parta	1010
219	130	1	0.455	Parta	1010
220	202	3	0.560	Parta	1010
221	202	4	0.575	Parta	1010
222	202	5	1.320	Parta	1010
223	205	1	1.065	Parta	1010
224	205	2	1.135	Parta	1010
225	206	1A	0.925	Parta	1010
226	206	1B	1.100	Parta	1010
227	206	2A	0.480	Parta	1010
228	206	2B	0.450	Parta	1010
229	206	2C	0.510	Parta	1010
230	206	2D	0.600	Parta	1010
231	207	1	1.225	Parta	1010
232	207	3	0.505	Parta	1010
233	207	4	0.400	Parta	1010
234	207	5	0.535	Parta	1010
235	207	6	1.025	Parta	1010
236	208	1	0.570	Parta	1010
237	208	2	0.370	Parta	1010
238	208	3	0.315	Parta	1010
239	208	4	1.900	Parta	1010
240	209	1A	0.365	Parta	1010
241	209	1B	0.325	Parta	1010
242	209	2	1.855	Parta	1010
243	209	3	0.225	Parta	1010
244	209	4	0.230	Parta	1010
245	210	1	1.650	Parta	1010
246	210	2	1.720	Parta	1010
247	211	1	1.005	Parta	1010
248	211	2	0.755	Parta	1010
249	211	3	2.350	Parta	1010
250	211	4	0.700	Parta	1010
251	212	1	1.745	Parta	1010
252	212	3A	0.820	Parta	1010
253	212	3B	0.810	Parta	1010
254	213	1	2.300	Parta	1010
255	213	2	1.375	Parta	1010
256	214	1	1.060	Parta	1010
257	214	2	1.115	Parta	1010
258	214	3	1.005	Parta	1010
259	215	1	1.285	Parta	1010
260	215	2	1.575	Parta	1010
261	215	3	1.435	Parta	1010

262	215	4	0.715	Pattn	1010
263	216	1	1.245	Pattn	1010
264	216	2	1.565	Pattn	1010
265	216	3	0.635	Pattn	1010
266	216	4	0.515	Pattn	1010
267	217	1A	0.975	Pattn	1010
268	217	1B	0.800	Pattn	1010
269	217	2A1	0.370	Pattn	1010
270	217	2A2	0.395	Pattn	1010
271	217	2A3	0.430	Pattn	1010
272	217	2B	0.405	Pattn	1010
273	217	3	0.950	Pattn	1010
274	217	4	0.305	Pattn	1010
275	217	6	0.690	Pattn	1010
276	218	2	2.235	Pattn	1010
277	222	2	1.920	Pattn to be Transferred	-
278	222	3A	0.605	Pattn	1010
279	222	3B	0.580	Pattn	1010
280	223	1A	0.300	Pattn	1010
281	223	1B	0.895	Pattn	1010
282	223	1C	0.300	Pattn	1010
283	223	2	1.405	Pattn	1010
284	223	3A	0.765	Pattn	1010
285	223	3B	0.765	Pattn	1010
286	224	4	1.420	Pattn	1010
287	227	1	1.215	Pattn	1010
288	227	2	1.555	Pattn	1010
289	227	3A	0.580	Pattn	1010
290	227	3B	0.640	Pattn	1010
291	228	1	1.325	Pattn	1010
292	228	2A	1.085	Pattn	1010
293	228	2B	1.345	Pattn	1010
294	229	1	2.390	Pattn	1010
295	229	2	0.345	Pattn	1010
296	229	3	0.340	Pattn	1010
297	229	4A	0.340	Pattn	1010
298	229	4B	0.340	Pattn	1010
299	229	4C	0.565	Pattn	1010
300	229	4D	0.110	Pattn	1010
301	229	4E	0.230	Pattn	1010
302	229	5A	0.075	Pattn	1010
303	232	1	1.590	Pattn	1010
304	232	2	0.745	Pattn	1010
305	233		1.765	Pattn	1010
306	234	1A	0.900	Pattn	1010
307	234	1B	450	Pattn	1010
308	234	2	0.570	Pattn to be Transferred	
309	234	3	0.435	Pattn to be Transferred	
310	235	1	3.015	Pattn	1010
311	235	2	3.005	Pattn	1010
312	236	1	1.400	Pattn	1010
313	237	1	1.595	Pattn	1010
314	237	2	1.510	Pattn	1010

  
MEMBER SECRETARY  
SEAC - TN

103

  
CHAIRMAN  
SEAC - TN

315	237	3	1.165	Patta	1010
316	238	1	2.540	Patta	1010
317	238	2	2.375	Patta	1010
318	239	1	1.005	Patta	1010
319	239	2	2.385	Patta	1010
320	240	1	1.660	Patta	1010
321	240	2	1.625	Patta	1010
322	240	3	1.695	Patta	1010
323	244	1	1.785	Patta to be Transferred	
324	244	2A	1.330	Patta	1010
325	244	2B	1.880	Patta	1010
326	245	1A	0.815	Patta	1010
327	245	1B	0.820	Patta	1010
328	245	2	0.380	Patta	1010
329	245	3	0.400	Patta	1010
330	246	1	1.585	Patta	1010
331	246	2A	0.900	Patta	1010
332	246	2B	0.795	Patta	1010
333	247		2.890	Patta	1010
334	248	2	1.335	Patta	1010
335	253	1	0.375	Patta	1010
336	253	2A	0.485	Patta	1010
337	253	2B	0.520	Patta	1010
338	253	3	1.705	Patta	1010
339	253	4A	0.380	Patta	1010
340	253	4B	0.370	Patta	1010
341	254	1	0.445	Patta	1010
342	254	2A	0.350	Patta	1010
343	254	2B	0.475	Patta	1010
344	254	3	1.220	Patta	1010
345	255	1	0.230	Patta	1010
346	255	2A	1.025	Patta	1010
347	255	2B	1.025	Patta	1010
348	256	3	1.545	Patta	
349	257	1	1.955	Patta	1010
350	257	2	0.840	Patta	1010
351	263	1A	2.185	Patta	1010
352	295	1	0.795	Patta	1010
353	295	2	0.710	Patta	1010
354	295	3	2.370	Patta	1010
355	296	1A	1.160	Patta	1010
356	296	1B	1.240	Patta	1010
357	296	2	1.370	Patta	1010
358	296	3	1.005	Patta	1010
359	297	1	0.830	Patta	1010
360	297	2A	2.305	Patta	1010
361	297	2B	2.340	Patta	1010
362	298	1A	0.920	Patta	1010
363	298	1B	1.510	Patta	1010
364	298	1C	1.090	Patta	1010
365	298	2	1.115	Patta	1010
366	299	1A	0.640	Patta	1010
367	299	1B	0.630	Patta	1010

  
MEMBER SECRETARY  
SEAC - TN

104

  
CHAIRMAN  
SEAC - TN



368	299	2	0.970	Patta	1010
369	300	1	1.280	Patta	1010
370	300	2	1.890	Patta	1010
371	301	1	0.765	Patta	1010
372	301	2	0.730	Patta	1010
373	301	3	0.715	Patta	1010
374	301	4	0.720	Patta	1010
375	302	1	0.025	Patta	1010
376	302	3A	0.345	Patta	1010
377	302	3B	0.715	Patta	1010
378	302	4	1.760	Patta	1010
379	302	5	0.695	Patta	1010
380	302	6	0.300	Patta	1010
381	303		2.575	Patta	1010
382	304	1	1.425	Patta	1010
383	304	2	1.545	Patta	1010
384	305	1	1.095	Patta	1010
385	305	2	0.965	Patta	1010
386	305	3	1.115	Patta	1010
387	340	1	1.130	Patta	1010
388	340	2	0.880	Patta	1010
389	349	2C	2.595	Patta	1010
390	352	3	1.860	Patta	1010
391	353	1	0.225	Patta	1010
392	353	2	0.720	Patta	1010
393	356	1A	1.030	Patta	1010
394	356	1B	1.165	Patta	1010
395	357	2A	2.770	Patta	1010
396	357	2C	0.520	Patta	1010
397	358	1B	1.460	Patta	1010
398	358	1D	0.550	Patta	1010
399	358	1E	0.600	Patta	1010
400	358	1F	1.685	Patta	1010
401	358	2	0.610	Patta to be Transferred	-
402	362	1	1.160	Patta	1010
403	362	2	1.270	Patta	1010
404	362	3	1.235	Patta	1010
405	363	1A	1.455	Patta	1010
406	363	1B1	1.330	Patta	1010
407	363	1B2	1.640	Patta	1010
408	363	1B4	2.085	Patta	1010
409	363	2	0.955	Patta to be Transferred	-
410	364	1	0.390	Patta	1010
411	364	4	0.830	Patta	1010
412	365	1	1.580	Patta	1010
413	365	2	1.465	Patta	1010
414	365	3A	0.475	Patta	1010
415	365	3B	0.470	Patta	1010
416	366	1	1.555	Patta	1010
417	366	2A	1.260	Patta	1010
418	366	2B	1.150	Patta	1010
419	367	1	2.385	Patta	1010
420	368	1	2.860	Patta	1010

MEMBER SECRETARY  
SEAC - TN

CHAIRMAN  
SEAC - TN

421	369	1	2.290	Patta	1010
422	369	2	0.545	Patta	1010
423	370	2A	1.155	Patta	1010
424	370	2B	0.790	Patta	1010
425	370	2C	0.790	Patta	1010
426	371	2	1.345	Patta	1010
427	371	3	1.270	Patta	1010
428	372	1	1.135	Patta	1010
429	372	2	0.735	Patta	1010
430	372	3A	0.735	Patta	1010
431	372	3B	0.785	Patta	1010
432	372	4A1	0.735	Patta	1010
433	372	4A2	0.555	Patta	1010
434	372	4B	0.730	Patta	1010
435	372	5	0.380	Patta	1010
436	372	6	1.010	Patta	1010
437	373	1	1.010	Patta	1010
438	373	2	1.170	Patta	1010
439	376	1A	1.210	Patta	1010
440	376	1B	0.200	Patta	1010
441	376	1C	0.150	Patta	1010
442	376	2A	0.190	Patta	1010
443	376	2B	1.165	Patta	1010
444	376	2C	1.600	Patta	1010
445	377	1	0.745	Patta	1010
446	377	2	0.930	Patta	1010
447	377	3	0.620	Patta	1010
448	398	1	0.690	Patta	1010
449	398	2A	0.305	Patta	1010
450	398	2B	0.555	Patta	1010
451	398	3	0.715	Patta	1010
452	40J	1	1.360	Patta	1010
453	403	2	1.260	Patta	1010
454	404	1	0.430	Patta	1010
455	404	2A	0.350	Patta	1010
456	404	2B	0.400	Patta	1010
457	404	2C	0.535	Patta	1010
458	404	3	1.695	Patta	1010
459	404	9	0.410	Patta	1010
460	409	2	1.895	Patta	1010
461	409	3A	1.030	Patta	1010
462	409	3B	0.750	Patta	1010
463	410	1A	0.580	Patta	1010
464	410	1B	0.510	Patta	1010
465	410	1C	0.590	Patta	1010
466	410	2	0.680	Patta	1010
467	410	3A	0.560	Patta to be Transferred	-
468	410	4A	0.260	Patta	1010
469	410	4B	0.275	Patta	1010
470	410	5	0.693	Patta	1010
471	411	1	1.430	Patta	1010
472	411	2	0.945	Patta	1010
473	411	3A	0.590	Patta	1010

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SEAC -TN

106

*[Signature]*  
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SEAC-TN

474	411	3B	0.480	Patna	1010
475	411	3C	0.080	Patna	1010
476	411	3D	0.145	Patna	1010
477	411	4	0.890	Patna	1010
478	414	1	0.485	Patna	1010
479	414	2	0.455	Patna	1010
480	414	3	0.460	Patna	1010
481	414	4	1.510	Patna	1010
482	414	5	1.760	Patna	1010
483	414	6	0.360	Patna	1010
484	414	7	2.310	Patna	1010
485	414	8	2.370	Patna	1010
486	415	1A	0.440	Patna	1010
487	415	1B	0.400	Patna	1010
488	415	1C	0.400	Patna	1010
489	415	1D	0.500	Patna	1010
490	415	2A	0.700	Patna	1010
491	415	2B	0.705	Patna	1010
492	415	2C	0.320	Patna	1010
493	415	2D	0.340	Patna	1010
494	416	1A	1.065	Patna	1010
495	416	1B	1.080	Patna	1010
496	416	2	2.045	Patna	1010
497	417	1	0.445	Patna	1010
498	417	2A	0.715	Patna	1010
499	417	2B	0.720	Patna	1010
500	417	3A	0.535	Patna	1010
501	417	3B	0.280	Patna	1112
502	417	3C	0.280	Patna	1010
503	417	4	1.390	Patna	1010
504	417	5	0.760	Patna	1010
<b>TOTAL</b>			<b>498.870</b>		

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of ROM Kankar -66,66,665 Tonnes and Clay-3,00,000 Tonnes with an annual peak production of ROM Kankar@ 1.333 MTPA and Clay @ 60,000 TPA to an ultimate depth of 3m BGL as per the approved mining plan subject to the standard conditions & normal conditions stipulated by MoEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.

  
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SEAC -TN

107

  
CHAIRMAN  
SEAC- TN

2. As accepted by the Project proponent the CER cost is Rs.70 lakhs and the amount (i) Rs.45 Lakhs shall be spent for the construction of 135 toilets for Economically weaker section and (ii) Rs.25 Lakhs shall be spent for Srivilliputhur Grizzled Squirrel Wildlife Sanctuary as committed, before obtaining CTO from TNPCB.
3. The PP shall explore the possibility of using one electrical vehicle.
4. The mine manager and other statutory competent persons shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy.
6. The Project Proponent shall develop the Green belt activities (tree plantations of two to three rows) in the safety zone around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
7. The Project Proponent shall not carry out blasting operations.
8. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
9. The PP shall ensure that the transport vehicles used in the quarry are adequately covered with tarpaulin before it is allowed to enter into the adjacent village panchayat road.
10. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m 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.
11. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.

  
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SEAC -TN

  
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SEAC- TN

12. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
16. 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.
17. 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.
18. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
19. 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.)

  
MEMBER SECRETARY  
SEAC -TN

109

  
CHAIRMAN  
SEAC- TN

- 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.
20. 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.
  21. 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.
  22. 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.
  23. 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.
  24. 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.
  25. 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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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.


26. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements 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.
27. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
28. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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

  
MEMBER SECRETARY  
SEAC -TN

111

  
CHAIRMAN  
SEAC- TN

- 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.
34. 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.
35. 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.
36. 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.
37. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
38. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
39. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this minute.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



## ANNEXURE-I

1. 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.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation 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.
5. 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.
6. 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.

  
MEMBER SECRETARY  
SEAC -TN

113


  
CHAIRMAN  
SEAC- TN

7. 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.
8. 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.
9. 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.
10. 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.
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 escapements 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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

13. **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 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.
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.
17. 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

  
MEMBER SECRETARY  
SEAC -TN

115

  
CHAIRMAN  
SEAC- TN

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.

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. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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

25. 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.
26. 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.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix -II** of this minute.

  
MEMBER SECRETARY  
SEAC -TN

117

  
CHAIRMAN  
SEAC- TN

**Appendix - I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்து
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Marjallavu	கோங்கு. மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupcoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம். ஆயில்
27	<i>Lannea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முள்ளை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரக
43	<i>Prosopis cinerea</i>	Vanni maram	வள்ளி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxtomia</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாள் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரக
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி

  
MEMBER SECRETARY  
SEAC - TN

119

  
CHAIRMAN  
SEAC- TN

**Appendix –II**  
**Display Board**  
**(Size 6' x5' with Blue Background and White Letters)**

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நுபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/\_\_\_\_, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி \_\_\_\_\_தேதி வரை செல்லத்தக்கதாக உள்ளது

பகைம பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	குவாரியின் எல்லைபயச் சுற்றி வேலி அமைக்க வேண்டும்
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை	எங்கப்பாளையின் ஆழம் தளமட்டத்திலிருந்து ... மீட்டர்க்கு மிகாமல் இருக்க வேண்டும் காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும் வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும் இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைபயச் சுற்றி அடர்த்தியான பகைம பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபிபிஎல் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1956ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கைதாழ்முள்ள கழிப்பறை வசதிகளை செய்ய தர வேண்டும்.	
கிராம அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைபய தொடர்ந்து தன்கு பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாய பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் துவத்தல் தீர்ந் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்லு கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைமப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான திட்டத்தைவளை அரிய பாசிவேஷ் ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னைபில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டமா அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்	

  
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