

MINUTES

611th MEETING

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

Date: 12.04.2023

**MINUTES OF THE 611th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 12.04.2023.**

Agenda No	Description	File No.	Minutes						
a)	Confirmation of the minutes of the 610 th meeting of the Authority held on 11.04.2023.		The minutes of the 610 th meeting of the Authority held on 11.04.2023 was confirmed.						
b)	The Action taken on the decisions of the 610 th meeting of the Authority held on 11.04.2023.		The Member Secretary informed that 610 th Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.						
1.	<p>File No: 9626</p> <p>Proposed Rough Stone & Gravel quarry Lease over an extent of 1.27.5 Ha at S.F.No. 45/1A & 45/1B in Irumbarai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru.B.Ramalingam – For Environmental Clearance</p> <p>The authority noted that the subject was appraised in the 364th SEAC meeting held on 23.03.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, during deliberations, noted that the proponent has furnished a Certified Compliance Report dated.21.09.2022 obtained from MoEFCC's Integrated Regional Office, Chennai for the EC obtained earlier dated.24.11.2016.</p> <p>On perusal of the Compliance Report, it is noted that the project proponent has not complied with the following conditions of the EC issued earlier dated.24.11.2016.</p> <p align="center">i) PART-III: Part – A - Condition nos. 1, 6, 20, 21, 24, 25, 33, 35, 38, 40, 41, 42, 43, 44, 47, 50, 56.</p> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th align="center">S. N o</th> <th align="center">Condition No.</th> <th align="center">Condition</th> </tr> </thead> <tbody> <tr> <td align="center">i</td> <td align="center">1</td> <td>The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that i) The project has been accorded Environmental Clearance.</td> </tr> </tbody> </table>			S. N o	Condition No.	Condition	i	1	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that i) The project has been accorded Environmental Clearance.
S. N o	Condition No.	Condition							
i	1	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that i) The project has been accorded Environmental Clearance.							


MEMBER SECRETARY


MEMBER


**CHAIRMAN
SEIAA-TN**

		<p>ii) Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.</p> <p>iii) Environment Clearance may also be seen on the website of the SEIAA</p> <p>iv) The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA.</p>
ii	6	Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying.
iii	20	A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection.
iv	21	The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF, GoI on 16.11.2009.
v	24	Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dt: 11.01.2010 issued by the MoE&F, GoI to control noise to the prescribed levels.
vi	25	Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB. Suitable measures should be taken for rainwater harvesting.
vii	33	The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, if it is


MEMBER SECRETARY

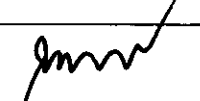

MEMBER


CHAIRMAN
SEIAA-TN

		observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out. District Collector/mining officer shall ensure this.
viii	35	To take up environmental monitoring of the proposed quarry site before, during and after the mining activities including vibration study data, water, air & flora/fauna environment, slurry water generated/disposed and method of disposal, involving a reputed academic Institution.
ix	38	Ground water quality monitoring should be conducted once in 3 Months
x	40	Free Silica test should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF , GOI.
xi	41	Air sampling at intersection point should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF , GOI.
xii	42	Bunds to be provided at the boundary of the project site.
xiii	43	The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the lease area at the rate of 400/Ha. Suitable tall tree saplings should be planted on the bunds and other suitable areas in and around the work place.
xiv	44	At least 10 Neem trees should be planted around the boundary of the quarry site.
xv	47	The Project Proponent shall provide solar lighting system to the nearby villages
xvi	50	Earthen bunds and barbed wire fencing around the pits with green belt all along the boundary shall be developed and maintained.
xvii	56	The proponent shall furnish the Baseline data covering the Air, Water, Noise and land environment quality for the proposed quarry site before execution of mining lease.
<p>In this regard, the authority decided that the proponent shall complete the above-mentioned conditions as applicable, especially those pertaining to green belt development and fencing and shall furnish a fresh Report to further process the proposal.</p>		
2.	Proposed Rough Stone and gravel quarry lease over an extent 3.24.5	9639 The authority noted that the subject was appraised in the 364 th SEAC meeting held on 23.03.2023. The


MEMBER SECRETARY


MEMBER


**CHAIRMAN
SEIAA-TN**

<p>Ha at S.F.No.1843/2B, 1844/1, 1844/2 & 1845/2 of Melmangalam Bit-II Village, Periyakulam Taluk, Theni District, Tamil Nadu by Thiru.O.K.Suthan - For Terms of Reference.</p>	<p>SEAC noted the following:</p> <ol style="list-style-type: none"> 1. The project proponent, Thiru.O.K.Suthan has applied for Terms of Reference for the Proposed Rough Stone and gravel quarry lease over an extent 3.24.5 Ha at S.F.No.1843/2B, 1844/1, 1844/2 & 1845/2 of Melmangalam Bit-II Village, Periyakulam Taluk, Theni 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. From the google imagery, it was ascertained that Vaigai Dam/ Reservoir is located at a distance of 700m (approx..) from the proposed project site. 4. Earlier in the case of Thiru.V.Aadimoolam (F.No.7427/2020; SIA/TN/MIN/142008/2020, dated: 10.02.2020), whose quarry lease was located in S.F.Nos. 1547, 1548/2, 1548/3, 1550/1C, 1550/2A & 1550/2B of Melmangalam Bit-II Village, Periyakulam Taluk, Theni District, Tamil Nadu, it was noted that the project site was located in the upstream of the Vaigai dam at 175 m. Hence, a study report was obtained in order to assess the impact of mining on the Vaigai dam stability and the impact on the inflow into the Vaigai Dam. <p>In the report it is stated that,</p> <p>"Blast induced ground vibrations can cause damage to the nearest residential and other structures in the village and fly-rock endanger the surroundings, if indiscriminate blasting of</p>
---	---


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

multiple rows of drillholes are blasted with instantaneous detonators using huge charges of high explosives per delay (more than what has been recommended in this report per delay) is used.

It is highly recommended that the blast vibration study shall be conducted immediately after the commencement of quarrying operations for designing the safe charge for the production blasts to be carried out in future”.

Also, in the report received from AD, Mines, it was stated that, the committee strongly feels that the dam may get damaged due to the blasting of multiple rows of drill holes.

In view of these, the proposal (F.No.7427/2020), was not recommended in the 209th SEAC meeting Since the dam is the lifeline for Theni, Madurai, Ramanathapuram, Sivagangai and Dindigul Districts.

The current proposal also situated at a distance of 800 m from the starting point of the Vaigai Dam, which is a earthen dam and the Committee observed that the mining operations involving blasting activities may cause damage to the existing structure of the dam. Besides, the proposed site is also surrounded by the presence of habitations including a temple & school within 600m. Further allowing mining in this area will cause considerable environmental damage in this sensitive


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>area. Hence, considering all the factors, the Committee decided not to recommend the proposal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to grant rejection letter to the proposal as per the 364th SEAC minutes. Further, the Authority decided to close and record this proposal.</p>
3.	Proposed Multi-coloured Granite quarry Lease over an extent of 1.21.5 Ha at S.F.No. 1581/1(P), 1761/1(P), 1761/2 & 1761/8 in Sandanapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Ganesh Granites – For Environmental Clearance	9646	<p>The authority noted that the subject was appraised in the 364th SEAC meeting held on 23.03.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of RoM of 22300m³ which includes 8920m³ of recovery (@40%), 13,380m³ of granite waste (@60%) by restricting the depth of mining upto 23m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental</p>

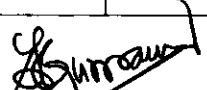

MEMBER SECRETARY

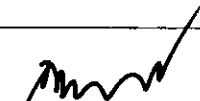

MEMBER


CHAIRMAN
SEIAA-TN

			<p>Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
--	--	--	--


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

4.	Proposed Ordinary Earth quarry lease over an extent of 1.66.5 Ha at SF. Nos. 96/1A, 96/1B, 96/2A, 98/2A3, 98/2A4, 98/2B1 and 98/2B2, of Vembedu Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by Thiru. V.Mothilal- For Environmental Clearance.	9620	<p>The authority noted that this proposal was placed for appraisal in 364th meeting of SEAC held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>In view of the above, the authority decided that the PP shall submit,</p> <ul style="list-style-type: none"> (i) The impact of mining on River Kosasthalaiyar. (ii) The impact of mining on biodiversity, agriculture, horticulture and livelihood around the mining area, adjacent lands and land use. (iii) The impact on Ground water, surface water due to mining activity. (iv) The PP shall furnish revised production quantity by restricting CD axis (in CD axis tail portion may be removed).
5.	Proposed gravel quarry lease area over an extent of 1.68.0Ha at SF.No 191/1C, 191/2, 191/4 & 191/5, Keeranur Village, Melur Taluk, Madurai District by Thiru V. Balachandar - For Environmental Clearance.	9627	<p>The authority noted that,</p> <ol style="list-style-type: none"> 1. Earlier, this proposal was placed with file no. 8418 with Online No.SIA/TN/MIN/201091/2021, dated: 02.03.2021 before 228th SEAC meeting held on 24.8.2021. Based on the presentation made and the documents furnished by the Project proponent, SEAC decided that the project proponent shall obtain the soil test report for the entire depth of 2m from reputed Government institute/Government departments. 2. The project proponent has furnished the soil testing results analysed by University College of Engineering, Dindigul, Anna University. Based on that, this subject was placed before 260th SEAC Meeting held on 1.4.2022. The Project



MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

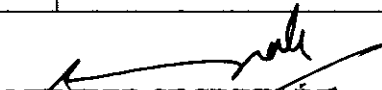
		<p>proponent made a presentation along with clarification for the above shortcomings observed by the SEAC.</p> <p>3. Based on the presentation and document furnished by the project proponent, SEAC noted that as per the report of soil analysis submitted, the percentage (%) of sand is 21.27. Considering the Judgment of 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, the Director of Geology and Mining, Government of Tamil Nadu, in his letter No. 7240/MM6/2019 dated 30.07.2021, has, inter alia, issued the following directions;</p> <ul style="list-style-type: none">• No quarry lease shall be granted in areas where the test results indicate the presence of Sand in the composition. <p>4. SEAC therefore decided to not recommend the proposal for the grant of Environmental Clearance.</p> <p>Subsequently, the proponent had given a representation through a letter dated 12.05.2022 to consider for re-appraisal of the above said proposal and to issue EC accordingly.</p> <p>Based on the above, the proposal was placed for appraisal in the 315th SEAC meeting held on 29.09.2022. Based on the presentation SEAC decided that the representation was addressed to Member Secretary, SEIAA-TN, has to be placed before the Authority first and then forwarded to SEAC along with the remarks of SEIAA, if necessary.</p>
--	--	--

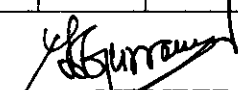

MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>Subsequently, the proposal was placed in 561st Authority meeting held on 18.10.2022</p> <p>The Authority noted that the subject was appraised in 315th SEAC meeting held on 29.09.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional details.</p> <p>Based on the presentation, SEAC decided that the representation was addressed to Member Secretary, SEIAA-TN, has to be placed before the Authority first and then forwarded to SEAC along with the remarks of SEIAA, if necessary.</p> <p>In the view of the above, MS SEIAA may take note of this.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p> <p>Now the proponent filed a new file no.9627 hiding the earlier facts with online No.SIA/TN/MIN/409436/2022 dated 06.12.2022. The proposal was placed for appraisal in this 364th meeting of SEAC held on 23.03.2023. The committee noted that the proposal was already appraised and subsequently not recommended.</p> <p>Hence the SEAC decided to not recommend the proposal for the grant of Environmental Clearance and fresh remarks/reasons are sought from the SEIAA for accepting the filing of the proposal in the same survey numbers & area of extent under new number but it was rejected earlier by the SEAC.</p> <p>In view of the above, the authority after detailed discussion, decided to accept SEAC points and decided not to recommend the proposal for the grant of</p>
--	--	--


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			Environmental Clearance and further the Authority decided to close and record the file. Also the Authority request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 23.03.2023.
6.	Proposed Rough stone and Gravel quarry lease over an extent of 4.95.5Ha at SF. Nos. 202/2(Part), 203/1 & 203/2B of Paapakudi Part-1 Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu by Thiru.Konda.L.Rajakrishnan- For Environmental Clearance	9633	The authority noted that this proposal was placed for appraisal in 364 th meeting of SEAC held on 23.03.2023 and SEAC decided to call for the following additional details. <ol style="list-style-type: none"> 1. The PP shall submit affidavit agreeing to remove the shed said to be owned by the PP and in the vicinity of the site 2. PP shall furnish details regarding the two existing pits operated earlier. 3. The PP shall submit the 'Slope stability action plan' for the proposed quarrying operation considering the existing two pits of 10 m highwall within the lease and it shall be vetted by the concerned AD (Mines). 4. The PP shall revise the total excavation quantity details by restricting the depth by 46m BGL to be incorporated in the 'Production & Development Plan'. 5. As accepted, the PP shall furnish revised CER for an amount of Rs.10 lakhs. <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 23.03.2023.</p>
7.	Proposed Rough stone and Gravel quarry lease over an extent of 2.27.5Ha at SF. Nos. 48/4 (P) &	9640	The authority noted that this proposal was placed for appraisal in 364 th meeting of SEAC held on 23.03.2023

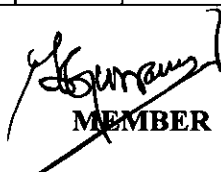

MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	48/5A (P) of Palur Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by M/s. Bommi Marines Private Limited- For Environmental Clearance.		and SEAC decided to call for the following additional details. <ol style="list-style-type: none"> 1. The PP shall submit a detailed letter obtained from the competent authority indicating the details of the existing pits, as the PP has been imposed a penalty for illegally mining operations. 2. The PP shall submit EC compliance report. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 23.03.2023.
8.	Proposed Rough Stone and Gravel Quarry lease over an extent of 0.93.0 Ha S.F.No.247/2, Veppilai Village, Kadayampatti Taluk, Salem District by Thiru. U Selvi - For Environmental Clearance.	9634	The authority noted that this proposal was placed for appraisal in 364 th meeting of SEAC held on 23.03.2023 and SEAC decided to make an on-spot inspection to assess the present status of highly sensitive environmental settings of the site and availability of haul road for the transportation through a sub-committee constituted for the purpose. The SEAC will take further course of action based on the site inspection & report. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent.
9.	Proposed Rough Stone and Gravel Quarry lease over an extent of 1.21.50Ha S.F.No.246/3, Veppilai Village, Kadayampatti Taluk, Salem District by Thiru.S.Uthirasami - For Environmental Clearance	9622	The authority noted that this proposal was placed for appraisal in 364 th SEAC meeting held on 23.03.2023 and the SEAC noted that (i) the proposed mine site is un-mined so far and (ii) Thoppaiyar Dam & Amman Eri are located nearer to the proposed mining site. Hence, SEAC, after detailed deliberations, decided to make an on-spot inspection to assess the present status of highly sensitive environmental settings of the site


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>and availability of haul road for the transportation through a sub-committee constituted for the purpose.</p> <p>The SEAC will take further course of action based on the site inspection & report.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 23.03.2023.</p>
10.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 1.17.5Ha S.F.No.116/2B1C, Machipalayam Village, Madukkarai Taluk, Coimbatore District by Tmt.V.Palaniammal - For Environmental Clearance</p>	9629	<p>The authority noted that this proposal was placed for appraisal in 364th SEAC meeting held on 23.03.2023 and the SEAC noted that the PP has not complied with major EC conditions relating to development of green belt, tree planting, fencing, etc. In this regard, SEAC after detailed discussion decided that the PP shall rectify the defects pointed out in the CCR and submit the details, after which SEAC will examine the proposal further. Further, the PP shall obtain the NOC for the proposed activity from the local panchayat/PWD/Competent authority in regard to nearby Kunitipaathi Odai and check dam.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 23.03.2023.</p>
11.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 0.63.50Ha S.F.No.248/1, 248/2, 248/3, Veppilai Village, Kadayampatti Taluk, Salem District by Tmt.U.Selvi - For Environmental Clearance</p>	9635	<p>The authority noted that this proposal was placed for appraisal in 364th SEAC meeting held on 23.03.2023 and the SEAC noted that (i) the proposed mine site is un-mined so far and (ii) Thoppaiyar Dam & Amman Eri are located nearer to the proposed mining site. Hence, SEAC, after detailed deliberations, decided to make an on-spot inspection to assess the present status of highly sensitive environmental settings of the site</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>and availability of haul road for the transportation through a sub-committee constituted for the purpose. The SEAC will take further course of action based on the site inspection & report.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 23.03.2023.</p>
12.	<p>Proposed Gravel Quarry lease over an extent of 2.02.50Ha S.F.No.71/1A, 71/1B, 75/3A, 75/3B & 75/7, M.Iluppaikulam Village, Kariyapatti Taluk, Virudhunagar District by Thiru.A.Rajesh - For Environmental Clearance</p>	9642	<p>The authority noted that the subject was appraised in 364th SEAC meeting held on 2303.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining decided to grant Environmental Clearance except (Section - GG' & FF' (1566 Cu.m of Gravel) for the quantity of 27, 397 Cu.m of Gravel by restricting the depth of mining upto 2m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The project proponent shall spend EMP cost of Rs. 15.74 Lakhs as committed for the period of 3 Years. 2.As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			20.10.2020 accepted by the Project proponent, the CER cost is Rs. 2 lakhs and the amount shall be spent for the Govt. Primary School, Kariyapatti Village as committed, before obtaining CTO from TNPCB.
13.	Proposed Rough stone & Gravel lease over an extent of 1.23.0Ha at S.F.No. 1195/C (Part) in Thennilai East Village, Pugalur Taluk, Karur District, Tamil Nadu by Thiru.S.Sivakumar -For Environmental Clearance	9630	<p>The Authority noted that this proposal was placed for appraisal in this 364th meeting of SEAC held on 23.03.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain above details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. The kml uploaded by the PP in the Parivesh portal shows that the proposed site has been quarried earlier. Further, the precise area communication letter and mine plan approval letter have not mentioned about the quarrying activity carried out. Hence, AD/Mines shall inspect the quarry site and give his comments on the existing site condition. 2. If any mining activity has been done, the PP shall furnish a letter obtained from AD/DD Mine & Geology with respect to exact depth of existing Pit, period of the operation and stoppage of the earlier mines & quantity of minerals mined out. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

14.	Proposed Rough stone & Gravel lease over an extent of 2.35.5Ha at S.F.No. 1212(P) & 1220/4 in Umarikottai Village, Thoothukudi Taluk, Thoothukudi District, Tamil Nadu by Thiru. V.Rengaraj -For Environmental Clearance	9636	<p>The Authority noted that the subject was appraised in the 364th SEAC meeting held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendation of SEAC and the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,77,850m³ of Rough Stone & 35700m³ of Gravel by restricting the depth of mining upto 35m Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The PP shall obtain the NOC for the proposed activity from the Director of Mines Safety, Chennai Region in regard to wind mills which are located within 300m radius from the proposed lease area, before obtaining CTO from the TNPCB. 2. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on
-----	--	------	--


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <p>4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>6. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p>
15.	Proposed Gravel quarry lease area over an extent of 1.56.5Ha at S.F.No 171/4B, 172/4B3 at V.Parangini Village, Vanur Taluk, Villupuram District, Tamil Nadu by Thiru.M.Yashvanth-For Environmental Clearance	9643	<p>The Authority noted that the subject was appraised in the 363rd SEAC meeting held on 14.03.2023.</p> <p>SEAC noted that the same proposal was dealt with in application No. SIA/TN/MIN/202201/2021, dated: 06.03.2021 and was appraised (File No. 8423/2020) vide 228th SEAC meeting held on 24.8.2021 and subsequently in 260th SEAC Meeting held on 1.4.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that, from the report of soil classification, the percentage (%) of sand is 22.3 and considering the Judgment of the Hon'ble Madurai Bench of Madras</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021, and the letter of the Director of Geology and Mining, Government of Tamil Nadu, in his letter No. 7240/MM6/2019 dated 30.07.2021, decided to **not recommend the proposal for the grant of Environmental Clearance**. Subsequently, this subject was placed in the 504th Authority meeting held on 06.05.2022. After detailed deliberation, the Authority decided to accept the decision of the 260th SEAC meeting held on 01.04.2022.

Based on the representation received from the PP to the O/o SEIAA, this subject was again placed before 286th SEAC Meeting held on 17.06.2022 and SEAC decided that it would not be appropriate to re-examine the proposal as it was not placed before the Authority. This decision was also placed before the 531st Authority meeting held on 12.07.2022 and the Authority decided to communicate the decision of the SEAC to the Project Proponent.

Now the PP has sought to revive the same proposal by filing a new application vide online application No. **SIA/TN/MIN/410141/2022 as below.**

Description	Old File	New File
File No	8423	9643
Online Proposal No for EC	SIA/TN/MIN/202201/2020 Dt. 06.03.2021	SIA/TN/MIN/410141/2022 Dated 10.12.2022.

SEAC, therefore, decided not to examine the proposal. After detailed discussion, the Authority decided to request the MS-SEIAA to ascertain OM/Notification in place enabling the Authority to put up such fresh

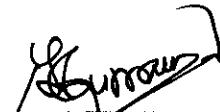

MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>files that were rejected earlier by the SEAC and to furnish fresh remarks/reasons for accepting the filing of the proposal in the same survey numbers & area of extent under new number but it was rejected earlier by the SEAC.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 14.03.2023.</p>
16.	Proposed Rough stone and Gravel quarry lease over an extent of 4.13.5 Ha in S.F.Nos. 147/4A, 147/4B (P), 148, 150/1, 150/4, 204/2, 204/6 & 204/7 of Akkinampattu Village, Cheyyur Taluk, Chengalpattu District, by M/s. Pallava Mines - For Environmental Clearance.	9617	<p>The authority noted that the subject was appraised in 364th meeting of SEAC held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The KML imagery reveals that the mine lease area is a vast fertile agricultural land. Hence the Proponent shall furnish the following details/documents within ten working days:</p> <ol style="list-style-type: none"> 1. Details of agricultural yield in the past 5 years and the nature of crops grown at the project site. 2. PP shall furnish the reason for shifting from agriculture to mining. 3. Report on loss of landcover and change in land use pattern due to the proposed activity. 4. Impact of mining on agriculture and allied activities. 5. Letter from the Director, Department of Agriculture stating that the proposed mine lease area/ about the productivity status and productive potential of the land. 6. Remarks from local panchayat on the proposed mining activity.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			On receipt of the aforesaid details/documents the subject will be taken up for further deliberation and to decide on future course of action.
17.	Proposed Red Earth & Pebbles quarry lease over an extent of 2.20.5 Ha in S.F.No.6/1 (P), Mathiyanur Village, Ulundurpet Taluk, Kallakurichi District, by Thiru R.Arun - For Environmental Clearance	9624	<p>The authority noted that the subject was appraised in 364th meeting of SEAC held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <ol style="list-style-type: none"> 1. To ensure sustainable, scientific and systematic mining, the Authority has decided to restrict the depth of mining to 2m BGL. Hence the Proponent shall furnish the hard copy of the duly approved revised mining quantity for the restricted depth. 2. The Proponent shall submit the request for withdrawal of the online ToR application as committed. <p>On receipt of the aforesaid details/documents the subject will be taken up for further deliberation and to decide on future course of action.</p>
18.	Proposed Red Earth quarry over an extent of 2.03.0 Ha in S.F.No. 215/2B of Siraikulam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. N. Mohamed Yusuf for Environmental Clearance	9618	<p>The authority noted that the subject was appraised in 364th SEAC meeting held on 23.03.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following details from the PP.</p> <ol style="list-style-type: none"> 1. The PP carry out the geological assessment to identify mineralization, to establish continuity, quality and quantity of mineral mineral deposit, particularly, the presence of heavy minerals in the Teri sand (red earth) such as ilmenite, rutile, lucoxene, garnet, monazite, zircon and sillimanite, etc. Hence the PP shall furnish the report through the


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

systematic sampling in the proposed site with showing geological coordinates as per the procedures laid in accordance with the provisions of Atomic Minerals Concessional Rules, 2016 and the mineralogical analysis obtained from the laboratory of IREL (India) Limited, Research Centre, Beach Road, Kollam, Kerala.

2. The PP shall change all the documents including the Mining Plan from "Red Soil" to "Ordinary Earth" as per the TN G.O. (Ms). No.244, dated. 14.12.2022.
3. The proponent shall produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the Hon'ble Madurai Bench of Madras High Court.

On receipt of the aforesaid details, the proposal will be considered for further deliberations.

Authority after detailed deliberation, decided that the PP shall submit the following details in addition to the queries raised by SEAC

- (i) The impact of mining on biodiversity, agriculture and horticulture around the mining area, adjacent lands and land use.
- (ii) The impact on Ground water, surface water due to mining activity.
- (iii) The impact of mining on aquifer, hydrology.
- (iv) The impact of mining on Cashew planted, Medicinal plant and Pentanus


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>(v) The impact of mining on “drawdown” effect.</p> <p>(vi) The impact of mining on soil stability, movement of sand to form new sand dunes.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and SEAC shall examine the above-mentioned points raised by Authority in addition to the queries raised by SEAC and shall furnish its recommendations to SEIAA upon the receipt of reply to be furnished by the proponent. SEIAA decided to request Member Secretary, SEIAA-TN to communicate the minutes to the project proponent.</p>
19.	Proposed Rough Stone and Gravel quarry over an extent of 4.52.0 Ha in S.F.No. 531/1B (Part) of Ponmanai A Village, Thiruvattar Taluk, Kanniyakumari District, Tamil Nadu by Thiru. Alex Paul for Environmental Clearance.	9625	<p>The proposal is placed in this 364th SEAC Meeting held on 23.03.2023.</p> <p>During the presentation, the SEAC had observed the following:</p> <ol style="list-style-type: none"> 1. The proposed quarry site is located in an ecologically sensitive area of Western Ghats and is surrounded by thick vegetation. 2. Further, the proposed mine lease area is in the top of a hill which appears to be a watershed which will in turn have implications on the contribution of surface runoff. 3. The proposed site is at a distance of approximately 2.75km from Kanniyakumari Wildlife Sanctuary. 4. There is a National Highway located at a distance of 443 m from the foothill of the proposed mine lease area which falls within 500 m danger zone as stipulated by the DGMS for the blasting operations and it could possibly


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>pose a threat to the vehicles plying on the Highway.</p> <p>5. The quarrying operation may cause depletion of fertile topsoil which will lead to environmental degradation to flora and fauna in and around the area.</p> <p>Based on the documents and presentation made by the proponent, SEAC after detailed discussions decided not to recommend this project proposal considering all the above factors.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to issue rejection letter to proponent as per the 364th SEAC minutes.</p>
20.	Proposed Rough Stone and Gravel quarry over an extent of 2.61.0 Ha in S.F.No. 277 (Part) of Chettikurichi Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. S.K.P. Murugaen for Environmental Clearance	9638	<p>The authority noted that the subject was appraised in 364th SEAC meeting held on 23.03.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 3,45,440 m³ of Rough stone and 1,27,008 m³ of Gravel for the depth of mining up to 36m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
<p>21.</p>	<p>File No: 6688 Existing Limestone Quarry over an extent of 7.330 Ha at S.F.No. 382/1 & 3, 387/1 & 3, 512/1 & 3 in Ramayanpatti Village, Manur Taluk, Tirunelveli District, Tamil Nadu by M/s. India Cements Limited - For Environmental Clearance under Violation</p> <p>The Authority noted that the proposal was placed in the 351st Meeting of SEAC held on 03.02.2023.</p>	<p>1. The SEAC in its 351st Meeting of SEAC held on 03.02.2023 has recommended the proposal to SEIAA for grant EC subject to the subject to certain conditions in addition to the some special conditions such as.</p> <p>a) The amount prescribed for Ecological remediation (Rs. 2.00 Lakhs), natural resource augmentation (Rs. 2.50 lakhs) & community resource augmentation (Rs. 3.00 Lakhs), totaling Rs. 7.50 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 7.50 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.</p> <p>b) The amount committed by the Project proponent for CER (Rs. 2.00 lakhs) shall be remitted in the form of DD to the beneficiary for the activities as committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.</p> <p>c) The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018 before placing the subject to SEIAA.</p> <p>d) As committed by the Proponent, an additional CER amount of Rs.5.0 Lakhs is earmarked towards carrying out the desired Mitigation activities in line with Conservation Plan demarcated for the Gangaikondan Spotted Deer Sanctuary and will be spent within one year from the commencement of mining operations in consultation with DFO, District Forest Department, Tirunelveli.</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

- e) The project proponent shall furnish the reason for the delay in developing the green belt and action now being taken to complete the targets.
- f) The project proponent shall furnish details on the study made on hydrogeological connectivity.
- g) The project proponent shall furnish details on study on LULC and NDVA Analysis report.
- h) Out of the 7.33.0ha, how much has been already restored under progressive mine closure plan?
- i) The project proponent shall furnish detailed action plan on mine closure.
- j) The project proponent shall furnish details on the agricultural productivity in the last 10 years in the surrounding areas.
- k) Map of the mined area, if available shall be furnished.

On receipt of the above details, the Member Secretary is requested to place the proposal before the Committee for further course of action.

The project proponent furnished the following replies for the queries raised by SEIAA in the 596th meeting of the Authority held on 16.02.2023.

S.No	Query	Reply
1	The amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation plan. Hence the SEAC decided to direct the project proponent to remit the amount in the form of bank guarantee to TNPCB and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report	Bank Guarantee obtained for Rs.7.50 Lakhs from ICICI bank vide No. 0009NDLG00149223 dated 10.03.2023 and submitted the same to TNPCB
2	The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.	The activities will be completed within one year as directed


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

3	The amount committed by the Project proponent for CER shall be remitted in the form of DD to the beneficiary for the activities as committed by the Proponent. A Copy of receipt from the beneficiary shall be submitted to SEIAA-TN.	Rs.0.10 Lakhs	Panchayat Union Middle School, Thalaiyuthu
		Rs.1.90 Lakhs	Boys urinal construction, girls urinal building repair and construction of damaged part of compound wall in Panchayat Union Primary School, Pandarakulam
		2.00 Lakhs	Total
4	The project proponent shall submit the proof for the action taken by the state government / TNPCB against project proponent under the provisions of section 19 of the Environmental (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.	TNPCB initiated credible action by way of filing a complaint vide CC No. 281 of 2014 under section 200 of Cr.P.C. for Offence U/s 15 r/w 16 & 19 (a) of the Environment (Protection) Act 1986 before the Hon'ble Judicial Magistrate-V Court, Tirunelveli. Vide letter dated 10.09.2014 and the same is submitted to SEIAA	
5	The company shall produce the 'No Dues Certificate' obtained from State Government i.e; Department of Geology & Mining to the SEIAA before grant of EC.	No Objection Certificate has been obtained from the Commissioner of Geology & Mining vide letter Rc.No.7120/MM5/2018 dated 21.12.2022 and submitted to SEIAA	
6	As committed by the Proponent, an additional CER amount of Rs. 5.0 Lakhs is earmarked towards carrying out the desired mitigation activities in line with Conservation Plan demarcated for Gangaikondan Spotted Deer Sanctuary and will be spent within one year from the commencement of mining operations in consultation with DFO, District Forest Department, Tirunelveli.	The activities will be completed within one year as directed.	
7	The project proponent shall furnish the reason for the delay in developing the green belt and action now being taken to complete the targets.	So far 8480 Trees are planted over an area of 10.205Ha in the Nanjankulam Workings (GO 813,526,133) and Sethurayanpudur workings (GO 762,204) Further, it is proposed to plant 250 trees over an area of 0.25Ha during the plan period of 5 years	
8	The project proponent shall furnish details on the study made on hydrogeological connectivity	• Hydrogeological study was conducted by University of Madras based on the ToR which stipulates conducting hydrogeological study. VES	


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>carried out and pumping test conducted in existing dug well.</p> <ul style="list-style-type: none"> • Groundwater flow is free and received from the weathered and fractured zones at the highly elevation. • Infiltration or penetration or seepage to deeper of groundwater compact zones is completely absent.
9	The project proponent shall furnish details as on LULC and NDVA Analysis report.	<ul style="list-style-type: none"> • LULC and NDVI analysis of the 2Km Buffer zone for the years 2000 and 2021 are analysed. • No major adverse impact on the land use during violation period is observed. • The NDVI analysis shows that in the 2Km buffer zone, there seems to be an improvement with regards to vegetation as the values show an increase of the NDVI Index indicating the positive change with regards to vegetation cover.
10	Out of the lease area, how much has been already restored under progressive mine closure plan?	<ul style="list-style-type: none"> • During the plan period, an area of 0.25Ha will be greenbelt area and it will be developed with plantation. Ultimately an area of 3.633Ha will be covered with planation. • Towards plantation of 250 trees inside the lease area and 1040 trees outside the lease area, Rs.2.06 Lakhs is allocated under capital cost and Rs. 0.80 Lakhs/annum is allocated under recurring cost of EMP. • Towards progressive mine closure for the present plan period the lessee has already submitted the financial assurance for Rs.40,00,000/- in the form of Bank guarantee to IBM regional office, Chennai for G.O.526 of Nanjankulam Regrouped Limestone Mine.
11	The project proponent shall furnish detailed action plan on mine closure.	<p>Various mine closure activities like fencing, greenbelt, surface runoff management structures development are already covered in the progressive mine closure plan being implemented in this mine. Final mine closure plan will be prepared and submitted during the conceptual period as per the guidelines of IBM and after their approval will be implemented.</p>
12	Map of the mined area, if available shall be furnished.	Surface map of the lease area is provided.
13	The project proponent shall furnish details on the agricultural productivity	Letter has been obtained from the Joint Director of Agriculture, Tirunelveli vide Lr.No.A1/2939/2022


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

in the last 10 years in the surrounding area.

dated 09.03.2023 regarding the past 10 years area coverage and productivity of agricultural crops in Nanjankulam, Tenkulam, Sethurayanpudur, Madavakurichi villages of Manur Taluk, Tirunelveli District.

• From the above, it is observed that in the last decade there is not much variation in the area coverage and productivity. Similarly, the revenue records of land use of these villages shows that the irrigated area is only 6.6%.

• The agricultural practice in and around the mining lease area is very less due to rocky terrain, merge rainfall this type soils cover not supporting for any major cultivation. Most of lands in that are classified as dry lands. The vegetations are mainly of xerophytes like cactus, prosopis juliflora and no other trees are to be worth mentioning grown in this area. Paddy cultivation is practiced in few parts along southern buffer boundary of the area from the available water in open and bore wells.

The file was taken up for discussion in this 364th meeting of SEAC held on 23.03.2023. Based on the presentation made and replies furnished by the proponent, SEAC decided to reiterate its recommendation already made in its 351st SEAC meeting held on 03.02.2023. All conditions stipulated will remain unchanged.

The subject was placed in 611th Authority meeting held on 12.04.2023. After detailed discussion, the Authority noted as follows. The Authority accepted the recommendation of SEAC and decided to **grant Environmental Clearance under violation category for a quantity of RoM is 2,21,331 Tonne; Usable Limestone - 1,43,505 Tonne and Interstitial Waste- 77,826 Tonne for the period 2023-2027 to an ultimate depth of mining upto 73m BGL as per the mine plan approved by Indian Bureau of Mines for the period of scheme of mining 2023-2024 to 2026-2027.** This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.

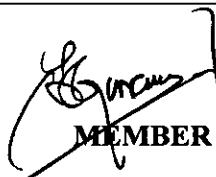

MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	<ol style="list-style-type: none"> 2. The Environmental Clearance issued is only for the Usable Limestone as per the approved mining plan. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 6. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice. 7. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 8. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
22.	<p>Fil No: 6689</p> <p>Existing Limestone Quarry over an extent of 28.430 Ha. S.F.No.380, 381, 383-386, 388/1 & 3, 389-392, 510, 511, 513 & 514 in Ramayanpatti Village, Manur Taluk, Tirunelveli District, Tamil Nadu by M/s. The India Cements Limited – For Environmental Clearance under Violation.</p> <p>The subject was earlier placed in 596th meeting of Authority held on 16.02.2023. The Authority noted that the proposal was placed in the 351st Meeting of SEAC held on 03.02.2023.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 351st SEAC Meeting held on 03.02.2023.</p> <ol style="list-style-type: none"> 1) The amount prescribed for Ecological remediation (Rs. 7.69 Lakhs), natural resource augmentation (Rs. 9.23 lakhs) & community resource augmentation (Rs. 12.30 Lakhs),


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

totaling Rs. 29.22 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 29.22 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

- m) The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- n) The amount committed by the Project proponent for CER (Rs. 8.00 lakhs) shall be remitted in the form of DD to the beneficiary for the activities as committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
- o) The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
- p) The company shall produce the 'No Dues Certificate' obtained from the State Government i.e. Department of Geology & Mining to the SEIAA before grant of EC.
- q) The project proponent shall furnish the reason for the delay in developing the green belt and action now being taken to complete the targets.
- r) The project proponent shall furnish details on the study made on hydrogeological connectivity.
- s) The project proponent shall furnish details on study on LULC and NDVA Analysis report.
- t) Out of the ^{12.42}~~7.33~~ 0ha, how much has been already restored under progressive mine closure plan?
- u) The project proponent shall furnish detailed action plan on mine closure.
- v) The project proponent shall furnish details on the agricultural productivity in the last 10 years in the surrounding areas.
- w) Map of the mined area, if available shall be furnished.

On receipt of the above details, the Member Secretary is requested to place the proposal before the Committee for further course of action.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

Subsequently, upon the receipt of the reply furnished by the proponent, the proposal was again placed in 364th SEAC meeting held on 23.03.2023.

Sl No	Query	Reply						
1	The amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation plan. Hence the SEAC decided to direct the project proponent to remit the amount in the form of bank guarantee to TNPCCB and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.	Bank Guarantee obtained for Rs.29.22 Lakhs from ICICI bank vide No. 0009NDLG00149123 dated 10.03.2023 and submitted the same to TNPCCB.						
2	The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCCB without further notice.	The activities will be completed within one year as directed.						
3	The amount committed by the Project proponent for CER shall be remitted in the form of DD to the beneficiary for the activities as committed by the Proponent. A Copy of receipt from the beneficiary shall be submitted to SEIAA-TN.	<table border="1"> <tr> <td>Rs.0.8 Lakhs</td> <td>Panchayat Union Primary School, Sethurayanpudur</td> </tr> <tr> <td>Rs.1.5 Lakhs</td> <td>Construction of separate urinals for boys and girls in Panchayat Union Primary School, Madhavakkurichi</td> </tr> <tr> <td>Rs.2.20</td> <td>Toilet renovation with</td> </tr> </table>	Rs.0.8 Lakhs	Panchayat Union Primary School, Sethurayanpudur	Rs.1.5 Lakhs	Construction of separate urinals for boys and girls in Panchayat Union Primary School, Madhavakkurichi	Rs.2.20	Toilet renovation with
Rs.0.8 Lakhs	Panchayat Union Primary School, Sethurayanpudur							
Rs.1.5 Lakhs	Construction of separate urinals for boys and girls in Panchayat Union Primary School, Madhavakkurichi							
Rs.2.20	Toilet renovation with							


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		Lakhs	painting in Dr. Ambedkar Govt. Adi Dravidar Welfare Higher Secondary School Nammalapuram
		Rs.3.50 Lakhs	Construction of additional toilet in Govt. Adi Dravidar Welfare Higher Secondary School, Thulukkapatti
		8.00 Lakhs	Total
4	The project proponent shall submit the proof for the action taken by the state government / TNPCB against project proponent under the provisions of section 19 of the Environmental (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.	TNPCB initiated credible action by way of filing a complaint vide CC No. 282 of 2014 under section 200 of Cr.P.C. for Offence U/s 15 r/w 16 & 19 (a) of the Environment (Protection) Act 1986 before the Hon'ble Judicial Magistrate-V Court, Tirunelveli. Vide letter dated 10.09.2014 and the same is submitted to SEIAA.	
5	The company shall produce the 'No Dues Certificate' obtained from State Government i.e; Department of Geology & Mining to the SEIAA before grant of EC.	No Objection Certificate has been obtained from the Commissioner of Geology & Mining vide letter Rc.No.7121/MM5/2018 dated 16.12.2022 and submitted to SEIAA	
6	As committed by the Proponent, an additional CER amount of Rs. 5.0 Lakhs is earmarked towards carrying out the desired mitigation activities in line with Conservation Plan demarcated for Gangaikondan Spotted Deer Sanctuary and will be spent within one year from the commencement of mining operations	The activities will be completed within one year as directed.	


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	in consultation with DFO, District Forest Department, Tirunelveli.	
7	The project proponent shall furnish the reason for the delay in developing the green belt and action now being taken to complete the targets.	So far 8480 Trees are planted over an area of 10.205Ha in the Nanjankulam Workings (GO 813,526,133) and Sethurayanpudur workings (GO 762,204) Further, it is proposed to plant 2500 trees over an area of 2.5Ha during the plan period of 5 years.
8	The project proponent shall furnish details on the study made on hydrogeological connectivity.	<ul style="list-style-type: none"> • Hydrogeological study was conducted by University of Madras based on the ToR which stipulates conducting hydrogeological study. • VES carried out and pumping test conducted in existing dug well. • Groundwater flow is free and received from the weathered and fractured zones at the highly elevation. • Infiltration or penetration or seepage to deeper of groundwater compact zones is completely absent.
9	The project proponent shall furnish details as on LULC and NDVA Analysis report.	<ul style="list-style-type: none"> • LULC and NDVI analysis of the 2Km Buffer zone for the years 2000 and 2021 are analysed. • No major adverse impact on the land use during violation period is observed. • The NDVI analysis shows that in the 2Km buffer zone, there seems to be an improvement with regards to vegetation as the values show an


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		increase of the NDVI Index indicating the positive change with regards to vegetation cover.
10	Out of the lease area, how much has been already restored under progressive mine closure plan?	<ul style="list-style-type: none"> • Presently, greenbelt is developed over 0.115Ha. • During the plan period, an area of 2.615Ha will be greenbelt area. Ultimately an area of 11.398Ha will be covered with plantation. • Towards plantation of 2500 trees inside the lease area and 4160 trees outside the lease area, Rs.10.66 Lakhs is allocated under capital cost and Rs. 3.0 Lakhs/annum is allocated under recurring cost of EMP. • Towards progressive mine closure for the present plan period the lessee has already submitted the financial assurance for Rs.1,45,00,000/- in the form of Bank guarantee to IBM regional office, Chennai for G.O.813 of Nanjankulam Regrouped Limestone Mine.
11	The project proponent shall furnish detailed action plan on mine closure.	Various mine closure activities like fencing, greenbelt, surface runoff management structures development are already covered in the progressive mine closure plan being implemented in this mine. Final mine closure plan will be prepared and submitted during the conceptual period as per the guidelines of


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		IBM and after their approval will be implemented.
12	Map of the mined area, if available shall be furnished.	Surface map of the lease area is provided.
13	The project proponent shall furnish details on the agricultural productivity in the last 10 years in the surrounding area.	<ul style="list-style-type: none"> Letter has been obtained from the Joint Director of Agriculture, Tirunelveli vide Lr.No.A1/2939/2022 dated 09.03.2023 regarding the past 10 years area coverage and productivity of agricultural crops in Nanjankulam, Tenkulam, Sethurayanpudur, Madavakurichi villages of Manur Taluk, Tirunelveli District. From the above, it is observed that in the last decade there is not much variation in the area coverage and productivity. Similarly the revenue records of land use of these villages shows that the irrigated area is only 6.6%. The agricultural practice in and around the mining lease area is very less due to rocky terrain, merge rainfall this type soils cover not supporting for any major cultivation. Most of lands in that are classified as dry lands. The vegetations are mainly of xerophytes like cactus, prosopis juliflora and no other trees are to be


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		worth mentioning grown in this area. Paddy cultivation is practiced in few parts along southern buffer boundary of the area from the available water in open and bore wells.
--	--	--

Based on the presentation made and replies furnished by the proponent, SEAC decided to reiterate its recommendation already made in its 351st SEAC meeting held on 03.02.2023. All conditions stipulated will also remain unchanged.

Subsequently, the proposal was placed in 611th Authority meeting held on 12.04.2023. After detailed discussion, the Authority noted as follows. The Authority accepted the recommendation of SEAC and decided to **grant Environmental Clearance under violation category** for a quantity of **ROM – 15,48,309 tonnes, Usable Limestone - 10,07,430 tonnes and Interstitial waste – 5,40,879 tonnes with an ultimate depth of not exceeding 68 m below ground level** as per the mine plan approved by **Indian Bureau of Mines for the period of scheme of mining 2023-24 to 2026-27**. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The Environmental Clearance issued is only for the Usable Limestone as per the approved mining plan.
3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	<p>6. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.</p> <p>7. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>8. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
23.	<p>File No: 6690</p> <p>Existing Limestone quarry over an extent of 29.895 Ha at S.F.No.110, 172/1 & 174 of Sethurayanpudur Village, Manur Taluk, Tirunelveli District, Tamil Nadu by M/s. The India Cements Limited – For Environmental Clearance under Violation.</p> <p>The subject was earlier placed in 596th meeting of Authority held on 16.02.2023. The Authority noted that the proposal was placed in the 351st Meeting of SEAC held on 03.02.2023.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 351st SEAC meeting held on 03.02.2023 and also other additional particulars mentioned below:</p> <ol style="list-style-type: none"> 1. Accordingly, the amount prescribed for Ecological remediation (Rs. 9.43 Lakhs), natural resource augmentation (Rs. 11.20 lakhs) & community resource augmentation (Rs. 14.75 Lakhs), totaling Rs. 35.38 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 35.38 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report. 2. The amount committed by the Project proponent for CER (Rs. 8.00 lakhs) shall be remitted in the form of DD to the beneficiary for the activities as committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

3. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
4. The project proponent shall furnish the reason for the delay in developing the green belt and action now being taken to complete the targets.
5. The project proponent shall furnish details on the study made on hydrogeological connectivity.
6. The project proponent shall furnish details on study on LULC and NDVA Analysis report.
7. Out of the 29.895ha, how much has been already restored under progressive mine closure plan?
8. The project proponent shall furnish detailed action plan on mine closure.
9. The project proponent shall furnish details on the agricultural productivity in the last 10 years in the surrounding area.
10. Map of the mined area, if available shall be furnished.

On receipt of the above details, the Member Secretary is requested to place the proposal before the Committee for further course of action.

Subsequently, upon the receipt of the reply furnished by the proponent, the proposal was again placed in 364th SEAC meeting held on 23.03.2023.

S.No	Query	Reply Furnished
1	The amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation plan. Hence the SEAC decided to direct the project proponent to remit the amount in the form of bank guarantee to TNPCB and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan	Bank Guarantee obtained for Rs.35.38 Lakhs from ICICI bank vide No. 0009NDLG00149023 dated 10.03.2023 and submitted the same to TNPCB.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	as indicated in the EIA/EMP report.	
2	The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.	The activities will be completed within one year as directed.
3	The amount committed by the Project proponent for CER shall be remitted in the form of DD to the beneficiary for the activities as committed by the Proponent. A Copy of receipt from the beneficiary shall be submitted to SEIAA-TN.	Rs.0.90 Lakhs Procurement and installation of RO water treatment plant (100LPH) for Dr.Ambedkar Govt Adi Dravidar Welfare Higher Secondary School (Boys), Nallammalpuram
		Rs.0.90 Lakhs Procurement and installation of RO water treatment plant (100 LPH) for Dr. Ambedkar Govt Adi Dravidar Welfare Higher Secondary School (Girls), Nallamalpuram
		Rs.1.20 Lakhs Construction of separate toilet for girls in Panchayat Union Primary School, Vadakku Thalaiyuthu
		Rs.1.50 Lakhs Boys and Girls Urinals with provision of GI roofing sheet and provision of soak pit in Panchayat Union Middle School, Thalaiyuthu


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		Rs.3.50 Lakhs	Construction of additional toilet in Dr.Ambedkar Govt Adi Dravidar Welfare Higher Secondary School (Boys), Nallamalpuram
		Rs.8.0 Lakhs	Total
4	The project proponent shall submit the proof for the action taken by the state government / TNPCB against project proponent under the provisions of section 19 of the Environmental (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.	TNPCB initiated credible action by way of filing a complaint vide CC No. 277 of 2014 under section 200 of Cr.P.C. for Offence U/s 15 r/w 16 & 19 (a) of the Environment (Protection) Act 1986 before the Hon'ble Judicial Magistrate-V Court, Tirunelveli. Vide letter dated 13.09.2014 and the same is submitted to SEIAA	
5	The company shall produce the 'No Dues Certificate' obtained from State Government i.e; Department of Geology & Mining to the SEIAA before grant of EC.	No Objection Certificate has been obtained from the Commissioner of Geology & Mining vide letter Rc.No.7122/MM5/2018 dated 16.12.2022. and submitted to SEIAA	
6	As committed by the Proponent, an additional CER amount of Rs. 5.0 Lakhs is earmarked towards carrying out the desired mitigation activities in line with Conservation Plan demarcated for Gangaikondan Spotted Deer Sanctuary and will be spent within one year from the commencement of mining operations in consultation with DFO, District Forest Department, Tirunelveli.	The activities will be completed within one year as directed.	
7	The project proponent shall furnish the	So far 8480 Trees are planted over an area	


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	reason for the delay in developing the green belt and action now being taken to complete the targets.	of 10.205Ha in the Nanjankulam Workings (GO 813,526,133) and Sethurayanpudur workings (GO 762,204) Further, it is proposed to plant 1000 trees over an area of 1.00Ha during the plan period of 5 years.
8	The project proponent shall furnish details on the study made on hydrogeological connectivity.	<ul style="list-style-type: none"> Hydrogeological study was conducted by University of Madras based on the ToR which stipulates conducting hydrogeological study. VES carried out and pumping test conducted in existing dug well. Groundwater flow is free and received from the weathered and fractured zones at the highly elevation. Infiltration or penetration or seepage to deeper of groundwater compact zones is completely absent.
9	The project proponent shall furnish details as on LULC and NDVA Analysis report.	<ul style="list-style-type: none"> LULC and NDVI analysis of the 2Km Buffer zone for the years 2000 and 2021 are analysed. No major adverse impact on the land use during violation period is observed. The NDVI analysis shows that in the 2Km buffer zone, there seems to be an improvement with regards to vegetation as the values show an increase of the NDVI Index indicating the positive change with regards to vegetation cover.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

10	Out of the lease area, how much has been already restored under progressive mine closure plan?	<ul style="list-style-type: none"> • During the plan period, an area of 1.00 Ha will be greenbelt area and it will be developed with plantation. Ultimately an area of 7.577Ha will be covered with plantation. Towards plantation of 1000 trees inside the lease will be planted. Rs.3.68 Lakhs is allocated under capital cost and Rs. 3.20 Lakhs/annum is allocated under recurring cost of EMP. • Towards progressive mine closure for the present plan period the lessee has already submitted the financial assurance for Rs.1,35,00,000- in the form of Bank guarantee to IBM regional office, Chennai for G.O.762 of Nanjankulam Regrouped Limestone Mine.
11	The project proponent shall furnish detailed action plan on mine closure.	Various mine closure activities like fencing, greenbelt, surface runoff management structures development are already covered in the progressive mine closure plan being implemented in this mine. Final mine closure plan will be prepared and submitted during the conceptual period as per the guidelines of IBM and after their approval will be implemented.
12	Map of the mined area, if available shall be furnished.	Surface map of the lease area is provided.
13	The project proponent shall furnish details on the agricultural productivity in the last 10 years in the surrounding area.	<ul style="list-style-type: none"> • Letter has been obtained from the Joint Director of Agriculture, Tirunelveli vide


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>Lr.No.A1/2939/2022 dated 09.03.2023 regarding the past 10 years area coverage and productivity of agricultural crops in Nanjankulam, Tenkulam, Sethurayanpudur, Madavakurichi villages of Manur Taluk, Tirunelveli District.</p> <ul style="list-style-type: none"> • From the above, it is observed that in the last decade there is not much variation in the area coverage and productivity. Similarly the revenue records of land use of these villages shows that the irrigated area is only 6.6%. • The agricultural practice in and around the mining lease area is very less due to rocky terrain, merge rainfall this type soils cover not supporting for any major cultivation. Most of lands in that are classified as dry lands. The vegetations are mainly of xerophytes like cactus, prosopis juliflora and no other trees are to be worth mentioning grown in this area. Paddy cultivation is practiced in few parts along southern buffer boundary of the area from the available water in open and bore wells.
--	--	--


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

Based on the presentation made and replies furnished by the proponent, SEAC decided to reiterate its recommendation already made in its 351st SEAC meeting held on 03.02.2023. All conditions stipulated will also remain unchanged.

Subsequently, the proposal was placed in 611th Authority meeting held on 12.04.2023. After detailed discussion, the Authority accepted the recommendation of SEAC and decided to **grant Environmental Clearance under violation category, ROM – 24,99,720 tonnes, Usable Limestone – 19,99,776 tonnes and Interstitial waste – 4,99,944 tonnes with an ultimate depth not exceeding 60 m below ground level as per the mine plan approved by Indian Bureau of Mines for the period of scheme of mining 2023-24 to 2027-28.** This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The Environmental Clearance issued is only for the Usable Limestone as per the approved mining plan.
3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
6. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of **one year**. If not, the bank guarantee will be forfeited to TNPCB without further notice.
7. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
8. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

	compliance report submitted and also should be brought to the notice of concerned authorities during inspections.		
24.	Proposed expansion of Residential complex by M/s. PBEL Property Development (I) Pvt. Ltd., at S.No: 1380/1, 1382, 1383, 1401/97, 1401/22B, 1401/22C, 1401/23A2, 1401/23A3, 1401/23B, 1401/24A, 1401/24B, 1401/24C, 1401/24D, 1401/25, 1401/26, 1401/27A, 1401/27B1, 1401/27B2, 1401/28A, 1401/28B, 1401/29A, 1401/29B1, 1401/29B2, 1401/30A, 1401/30B1, 1401/30B2, 1401/31A, 1401/31B1, 1401/31B2, 1401/32, 1401/33, 1401/42B1 & 1485, of Thaiyur B Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu – For Environmental Clearance under Violation	5233	<p>The Authority noted that the proposal was placed in the 364th Meeting of SEAC held on 23.03.2023.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 364th SEAC Meeting held on 23.03.2023.</p> <p>a) As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, “The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority and the bank guarantee shall be deposited.</p> <p>b) The amount prescribed for Ecological remediation (Rs.9.3 lakhs, natural resource augmentation(Rs. 3.7 lakhs) & community resource augmentation (Rs. 5.6 lakhs), totalling Rs. 18.6 lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 18.6 lakhs in the form of bank guarantee to Tamil Nadu</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>Pollution Control Board and submit acknowledgment of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.</p> <p>c) The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.</p> <p>d) The amount committed by the Project proponent for CER (Rs. 1.20 lakhs) shall be remitted in the form of DD to the beneficiary for the activities as committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.</p> <p>e) The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p>
--	--	--	--

Annexure-'A'

EC Compliance


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.
2. All the conditions as presented by the proponent in the PPT during SEAC appraisal should be addressed in Full.
3. The proponent shall submit Compliance Reports on the status of compliance of the stipulated EC conditions including results of monitored data. It shall be sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA).
4. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

Applicable Regulatory Frameworks

5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the Biological Diversity Act, 2002 and Biological diversity Rules, 2004 and Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

Safe mining Practices

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
7. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

recommended in the scientific slope stability study of the reputed research & Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.

8. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

Water Environment – Protection and mitigation measures

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.
13. Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR/TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.

Air Environment – Protection and mitigation measures

17. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.
18. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.
19. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.

Soil Environment – Protection and mitigation measures

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

Noise Environment – Protection and mitigation measures

28. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
29. The sound at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Hence, the PP shall ensure that the biological clock of the villages are not disturbed because of the mining activity.

Biodiversity - Protection and mitigation measures

30. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
31. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.
32. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
33. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
34. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

Climate Change

35. The project activity should not in any way impact the climate and lead to a rise in temperature.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

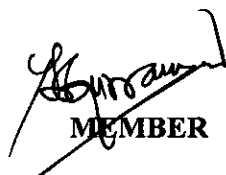
36. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
37. Intensive mining activity should not add to temperature rise and global warming.
38. Operations should not result in GHG releases and extra power consumption leading to Climate Change.
39. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.
40. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.
41. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
42. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

Reserve Forests & Protected Areas

43. The activities should provide nature based support and solutions for forest protection and wildlife conservation.
44. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.
45. There should be no disturbance to the freshwater flow from the forest impacting the water table and wetlands.
46. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.
47. The project activities should not alter the geodiversity and geological heritage of the area.
48. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.
49. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.
50. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
51. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

Green Belt Development


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

52. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.
53. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

Workers and their protection

54. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.
55. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
56. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

Transportation

57. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
58. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Storage of wastes

59. The project proponent shall store/dump the granite waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.

CER/EMP

60. The CER Should be fully Implemented and fact reflected in the Half-yearly compliance report.

61. The EMP Shall also be implemented in consultation with local self-government institutions.

62. The follow-up action on the implementation of CER Shall be included in the compliance report.

Directions for Reclamation of mine sites

63. The mining closure plan should strictly adhere to appropriate soil rehabilitation measures to ensure ecological stability of the area. Reclamation/Restoration of the mine site should ensure that the Geotechnical, physical, chemical properties are sustainable that the soil structure composition is buildup, during the process of restoration.

64. The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.

65. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

66. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
67. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
68. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
69. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
70. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
71. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
72. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
73. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

74. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.
75. Action taken for restoration of the site should be specifically mentioned in the EC compliances.



MEMBER SECRETARY



MEMBER



**CHAIRMAN
SEIAA-TN**