

400

MINUTES

651st MEETING

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

Date: 30.08.2023

**MINUTES OF THE 651st MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 30.08.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 650 th meeting of the Authority held on 28.08.2023.		The minutes of the 650 th meeting of the Authority held on 28.08.2023 was confirmed.
b)	The Action taken on the decisions of the 650 th meeting of the Authority held on 28.08.2023.		The Member Secretary informed that 650 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	Proposed Rough Stone, Jelly & Gravel quarry lease over an extent of 1.28.5 Ha at SF.Nos. 207/3A, 3B, 209/1A,1B, 210/1A1, 1A2, 1A3 & 211/3A1, 3A2 of Appayanaickenpatti Village, Vembakottai Taluk, Virudhunagar District Tamil Nadu by Thiru.S.Ramraj - for Environmental Clearance. (SIA/TN/MIN/429771/2023)	9134	<p>The authority noted that this proposal was placed for appraisal in 400th meeting of SEAC held on 11.08.2023. Based on the presentation & documents furnished by the PP, the SEAC noted the following:</p> <ol style="list-style-type: none"> 1. An educational institution, namely, PSR Engineering College, with 5800 Nos. of students & 500 teachers, is located very close (within 500m) to the proposed quarry. Further, 1800 students are staying in the college hostel. 2. It is also noted that based on the Writ Petitions filed in the Hon'ble High Court against operation of mines in the area, the Hon'ble High Court had appointed an Advocate Commissioner to inspect the site and give a report. The Commission appointed by the Court had inspected site and submitted detailed report to the Court stating, among others, that "...The staff of the college and the counsel for the college had shown several broken window glass panes and shown cracks in several buildings but without expertise and assistance of a structural


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			<p>engineer and other experts to gauge the effect of explosion and it's impact on the buildings it is not possible for me say anything on the subject, however on 09.07.2021 we could hear explosive noise between 5 pm to 6 pm while inspecting near the workshop building in PSR Engineering College”.</p> <p>3. There are considerable number of structures located nearby.</p> <p>4. Besides, the proposed site is also surrounded by the presence of fireworks and Vaippar River.</p> <p>5. The proposed mining activity involves blasting.</p> <p>Hence, considering the above facts, the Committee decided not to recommend the proposal.</p> <p>In view of the above, SEIAA accepts the decision of SEAC and decided to request the Member Secretary to grant rejection letter to the proponent as per the 400th Meeting of SEAC held on 11.08.2023. Hence, this file may be closed and recorded.</p>
2.	<p>Proposed Rough Stone quarry lease over an extent of 2.00.0Ha at SF.No. 755(Part) of Panchakshipuram Village, Hosur Taluk, Krishnagiri District Tamil Nadu by Thiru.S.M.Harish - for Environmental Clearance. (SIA/TN/MIN/436536/2023)</p>	9295	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.8.2023. 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 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 3,08,472m³ of Rough stone up to the depth of mining 46m BGL and the annual peak</p>


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		<p>production should not exceed 78,513m³ of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period, 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.
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			<p>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.</p>
3.	<p>Proposed Rough Stone & Gravel quarry lease over an extent of 1.58.0Ha at SF.No. 151/1E(Part) of Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru. C.Ganesh - for Environmental Clearance. (SIA/TN/MIN/434160/2023)</p>	9372	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.8.2023. 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 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 84,610m³ of Rough stone up to the depth of mining 42m BGL and the annual peak production should not exceed 19,314m³ of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC 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 Clearance is valid as per the approved mine plan period.</p>


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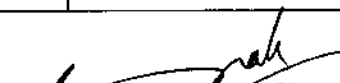
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified 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.
7. The PP shall comply with the comments made by the public while operating the quarry and

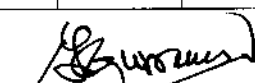

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		<p>shall contribute for local authorities for improvement of road.</p> <p>8. The PP shall complete the process of amalgamation coordinating with the PPs of all the other leases in the cluster to work as a single lease in accordance with the provisions of Mineral Concession Rules, 1960 and MM (D&R) Act, 1957, for ensuring the environmental sustainability.</p> <p>9. Considering the quarrying operations in the cluster environment, the PP shall inform the Regional Inspector of Mines / Director of Mines Safety, DGMS-Chennai Region for appointing statutory competent persons as applicable and permitted in accordance with the Mines Act, 1952 before the execution of lease.</p> <p>10. The PP shall not adopt the 'Deep-hole large diameter drilling and blasting' without obtaining the prior permission obtained from the Director of Mines Safety, DGMS-Chennai Region.</p> <p>11. The PP shall furnish a Standard Operating Procedures (SoP) for handling the explosives and carrying out the blasting operations in the cluster environment following the provisions of MMR 1961 and the relevant Circulars issued by the DGMS to the concerned AD (Mines) at the time of execution of lease.</p> <p>12. Considering the cluster environment, the PP shall carry out 50% of the blasting operations through usage of the digital detonators (electronic detonators) for precise timed delay in the blasting to reduce the environmental</p>
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			<p>hazards such as ground vibration, noise, flyrock and to improve the fragmentation resulting in eliminating the production of oversized fragments (boulders) by involving the reputed institutes such as Central Institute of Mining & Fuel Research / Nagpur, Dept of Mining Engg., NIT Surathkal and Dept of Mining Engg., Anna University, Chennai.</p> <p>13. Keeping the cluster environment in mind, the PP shall carry out the scientific studies to assess the impact of quarrying operations in the cluster environment on the hydrogeological condition of the area of 5 km radius, within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.</p>
4.	Proposed Rough Stone and Gravel quarry lease area over an extent of 0.99.0 Ha at S.F.Nos. 361/1A & 362/1 of Arasampalayam Village, Kinathukadavu Taluk, Coimbatore	8967	The authority noted that the subject was appraised in the 400 th SEAC meeting held on 11.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.


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<p>District, Tamil Nadu by Tmt. M. Rasamani - For Environmental Clearance. (SIA/TN/MIN/434424/2023)</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 50,380 m³ of Rough Stone up to the depth of 41.5m below ground level and the annual peak production should not exceed 12,000 m³ of Rough Stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period, 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
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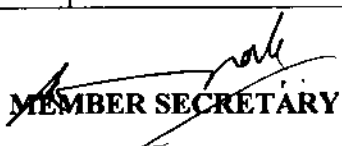
			<p>Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be 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.</p>
5.	<p>Proposed Rough Stone and Gravel quarry lease area over an extent of 1.43.0 Ha at S.F.Nos. 360/1B(P), 360/1E(P) & 360/1G of Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru. V. Somasundaram - For Environmental Clearance. (SLA/TN/MIN/435036/2023)</p>	9107	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. 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 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 46,623 m³ of Rough Stone & 1350 m³ of Gravel up to the depth of 32m below ground level and the annual peak production should not exceed 10,240 m³ of Rough Stone & 1350 m³ of Gravel. This is also subject to the conditions imposed by</p>


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		<p>SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period, 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
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			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.
6.	Proposed Rough Stone and Gravel quarry lease over an extent of 4.26.72Ha at S.F.No.149/2B, 149/3A, 149/3B, 149/3C, 149/4A, 149/4B & 149/4C of Arasampalayam Village, Pollachi Taluk, Coimbatore District, Tamil Nadu by Tvl. Sree Mahalakshmi Blue Metals - For Environmental Clearance. (SIA/TN/MIN/434251/2023)	9393	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>From the KML file furnished by the PP for the proposed mining area, the authority noted that the railway line is at 210 m distance from the proposed mining area. Further, committee observed that as per rule no. 164 (1-A) of (b) & (c) of The Metalliferous Mines Regulations, 1961 States that</p> <p><i>“(b) Unless sufficient warning, by efficient signals or other means approved by the manager, is given over the entire area falling within a radius of 300 meters from the place of firing (hereinafter referred to as the danger zone) an also he has ensured that all persons within such area have taken proper shelter,</i></p> <p><i>(c) Where any part of a public road or railway lies within the danger zone, unless two persons are posted, one in either direction at the two extreme points of such road or railway which fall within the</i></p>


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			<p><i>danger zone who have, by an efficient system of telephonic communication or hooter or loudspeakers or other means approved by the Chief Inspector or Regional Inspector intimated clearance of traffic to the blaster and have also warned the passersby and whenever possible the vehicle also, if any, which have passed by such road or railway :</i></p> <p><i>Provided that if blasting is done in such a manner approved in writing, by the Chief Inspector or Regional Inspector, that the flying fragments from blasting cannot project beyond a distance of ten meters from the place of firing, the provisions of clauses (b) and (c) need not be complied with.”</i></p> <p>In view of the above, the authority decided to refer back the proposal to SEAC for remarks and recommendation.</p>
7.	Proposed Rough Stone Quarry lease over an extent of 2.00.0Ha (Govt. Poramboke Land) S.F.No.220/1(Part-4), Gopanapalli Village, Hosur Taluk, Krishnagiri District by Thiru.J.Vijayakumar - For Environmental Clearance. (SIA/TN/MIN/433496/2023)	9593	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. SEAC decided to obtain the following details from the PP:</p> <ol style="list-style-type: none"> 1. The Modified Mining Plan estimating the revised Mineable reserves & Annual Production Volume after the inclusion of the bench geometry as per Regulation 106 2(b) of MMR, 1961, as committed by the PP for the total lease period of 10 years (or) the life of the project, duly approved by the


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			<p>concerned AD (Mines)/Competent Authority shall be furnished.</p> <p>On receipt of the details sought the subject may be placed before the SEAC for further deliberations and to decide on future course of action.</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 11.08.2023.</p>
8.	<p>Proposed Rough stone and Garvel quarry over an extent of 2.51.5 Ha at S.F.Nos. 154/1B1B, 154/2A, 154/2B1, 154/3, 154/4, 154/5, 155/2A, 155/2B & 155/2C of Kundiyanthandalam Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. N.Nagarajan – For Environmental Clearance (SIA/TN/MIN/429435/2023)</p>	9144	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. 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 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 4,44,630 m³ of rough stone & 38724 m³ of Gravel up to the depth of 42m BGL and the annual peak production should not exceed 93235 m³ of rough stone & 20708 m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC 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 Clearance is valid as per the approved mine plan period.</p>


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		<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 mine plan period, 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.
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9.	Proposed Rough stone & gravel quarry lease over an extent of 4.80.0 Ha in S.F.No. 420/1(P) & 421/1(P) of Perungudi Part-1 Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s. Panchamee Engineering Construction - For Environment Clearance. (SIA/TN/MIN/434786/2023)	8963	<p>The Authority noted that the subject was appraised in 400th meeting of SEAC held on 11.08.2023. The SEAC has decided to seek the following additional details/documents:</p> <ol style="list-style-type: none"> 1. As the windmills are located near the project site, the Project Proponent shall submit duly approved Modified Mining Plan leaving a minimum buffer of 150m on all sides. 2. As KWLS is within a distance of 10 km, the PP shall indicate conservation measures in consultation with the DFO concerned. <p>On receipt of the details sought the subject may be placed before the SEAC for further deliberations and to decide on future course of action.</p> <p>The Authority decided to request the Member Secretary, SEIAA TN to call the details sought from the PP through PARIVESH Portal. Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p>
10.	Proposed Rough Stone and Gravel quarry lease over an extent of 1.43.5 Ha in S. F. Nos. 410/1A and 410/1B of Mooduthurai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru. M. Shanmugam - For Environment Clearance. (SIA/TN/MIN/432375/2023)	9033	<p>The Authority noted that the subject was appraised in 400th meeting of SEAC held on 11.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project 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 89742 m³ of Rough stone and 2294 m³ of Gravel</p>


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		<p>upto the depth of 44m BGL and the annual peak production should not exceed 19370 m³ of Rough stone and 814 m³ of Gravel as per the approved mining plan. 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. 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. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period 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
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			<p>clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>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.</p>
11.	<p>Proposed Rough stone & gravel quarry lease over an extent of 0.99.0Ha in S.F.Nos.48/2A, 48/2B & 49/1, Aladipatti Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Tmt S. Meenakshi - For Environment Clearance. (SIA/TN/MIN/434786/2023)</p>	9061	<p>The Authority noted that the subject was appraised in 400th meeting of SEAC held on 11.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p> <p>The Authority noted that in the approved mining plan the details of Bench IV (5-year production plan) are not available. Hence the Authority directed the PP to obtain and furnish clarification from the concerned AD/Mines in this regard.</p>
12.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 1.40.0Ha in S.F.Nos. 355/2A (P), 355/2C (P) & 355/2D1A (P) of Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru. K.Ravikumar - For Environment Clearance. (SIA/TN/MIN/436035/2023)</p>	9243	<p>The Authority noted that the subject was appraised in 400th meeting of SEAC held on 11.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project 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</p>


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		<p>48241 m³ of Rough stone upto the depth of 40m BGL and the annual peak production should not exceed 20300 m³ of Rough stone as per the approved mining plan. 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. 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. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period 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
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			<p>conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>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.</p>
13.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 3.85.5Ha (Patta Land) in S.F.Nos.364 of Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru.S. Abdul Jabbar - For Environment Clearance. (SIA/TN/MIN/436035/2023)</p>	9334	<p>The Authority noted that the subject was appraised in 400th meeting of SEAC held on 11.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project 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 153100 m³ of Rough stone upto the depth of 42m BGL and the annual peak production should not exceed 36850 m³ of Rough stone as per the approved mining plan. 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</p>



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		<p>conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period 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
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			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.
14.	Proposed Rough Stone & Gravel quarry lease over an extent of 3.48.0 ha in S.F. No. 67/1, 68 at Myleripalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Tmt.M.Sarojini - For Environmental Clearance. (SIA/TN/MIN/426915/2023)	9426	<p>The proposal was placed in the 400th SEAC Meeting held on 11.08.2023.</p> <p>During the presentation, SEAC noted the following</p> <ol style="list-style-type: none"> I. As per MOEF&CC Office Memorandum vide F. No. IA3-22/10/2022-IA.III, dated: 08.06.2022 regarding Standardizing the validity of baseline data and public consultation reports for submission of proposal within the validity period of Terms of Reference (ToR) under the provisions of EIA Notification, 2006. <p>Under Para 6</p> <p><i>"The aforesaid matter has been examined in the Ministry. In order to address this issue in a practical manner and to bring uniformity in handling such proposals, the following standard procedures shall be followed with immediate effect:</i></p> <ol style="list-style-type: none"> i. <i>Baseline data used for preparation of EIA/EMP reports may be collected at any stage of the EC process or even before the grant of ToR.</i> ii. <i>Public consultation shall be conducted after the grant of ToR. The Public consultation conducted after the expiry of ToR shall not be</i>


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accepted by the Regulatory Authority.

iii. The baseline data and Public Hearing shall not be more than three years old at the time of submission of application for consideration of EC.

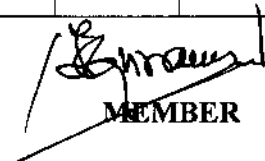
iv. At the time of application for EC, in case baseline data is older than three years, but less than five years old in the case of River valley and HEP Projects, or less than four years old in the case of other projects, the same shall be considered, subject to the condition that it is revalidated with one season fresh non-monsoon data collected after three years of the initial baseline data..."

2. As per the EIA report submitted by the PP in Parivesh Portal, under Chapter 1.5: - Methodology of EIA study, it was ascertained that, Baseline data was considered between Oct 1st 2019 to Dec 31st 2019 which is more than 3 years old at the time of submission of application for EC.

Hence, in the view of the above, SEAC decided that PP shall revalidate the Baseline data collected as per the direction given in the sub-para (iv) of Para 6 in the above-mentioned OM.

On receipt of the details sought above, the SEAC will further deliberate and decide on future course of action. The proponent is advised to submit the additional documents/ information as sought above


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			<p>within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 400th SEAC held on 11.08.2023 to the project proponent.</p>
15.	<p>Proposed Multi Colour Granite quarry lease over an extent of 1.91.5 ha in S.F. No. 1124/7(P), 1130/7(P), 1131/7 & 1131/8 at Irudukottai Village, Denkanikottai Taluk, Krishanagiri District, Tamil Nadu by Tvl. S.V. Granites - For Environmental Clearance. (SIA/TN/MIN/434116/2023)</p>	9443	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. 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 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 - 33,570m³ which includes Multi Colour Granite @ 60% - 20,142m³ & Granite Waste @ 40% - 13,428m³ up to the depth of 23m BGL and the annual peak production should not exceed 4590m³ of granite recovery. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.</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 Clearance is valid as per the approved mine plan period.</p>


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		<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 mine plan period, 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.
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16.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.70.0 ha in S.F. No. 91/4A, 92/3F, 92/3G, 92/3H, 92/3I1, 92/3I2, 92/3J, 92/3K1, 92/3L1 & 91/4B at Girijapuram Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Tvl. Sri Elumalaiyan Blue Metals - For Environmental Clearance. (SIA/TN/MIN/429619/2023)	9111	<p>The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. 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 recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity 1,76,075m³ of Rough Stone & 23,916m³ of Gravel by restricting the ultimate depth of mining up to 27m BGL and the annual peak production should not exceed 37,125m³ of Rough Stone & 15,276m³ Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.</p> <ol style="list-style-type: none"> 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 Clearance is valid as per the approved mine plan period. 2. The proponent shall ensure that the mining activities does not impact the safety of school children. 3. All the issues raised in the public hearing meeting should be duly addressed. 4. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC
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			<p>conditions to ensure that they have all been adhered to and implemented.</p> <p>5. 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>6. 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>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>
17.	Proposed Multi-Colour Granite Quarry lease (Patta Land) over an extent of 2.30.0 ha in S.F.Nos. 60/2B & 60/3B of Karandapalli	9445	The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023. The SEAC noted the following:


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	<p>Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Naveena Granites – For Environmental clearance. (SIA/TN/MIN/426725/2023)</p>		<p>1. Based on the KML file submitted by the proponent in PARIVESH portal and google imagery, it is ascertained that the proposed site is approximately 1.28 Km from Cauvery North Wildlife Sanctuary and 7.1 Km from Cauvery South Wildlife Sanctuary.</p> <p>2. The Cauvery North Wildlife Sanctuary is situated in between the Cauvery South Wildlife Sanctuary and the proposed site. Further, the Cauvery North Wildlife Sanctuary has been notified and the proposed mine site is beyond the Eco Sensitive Zone of the Cauvery North Wildlife Sanctuary. Hence, SEAC decided that the proposal doesn't warrant prior clearance from National Board for Wildlife (NBWL).</p> <p>Hence, the SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>Authority during deliberations, noted that:</p> <p>i) Earlier in 621st SEIAA meeting held on 23.05.2023, in a similar case authority decided to request Member Secretary, SEIAA-TN to obtain a clarification from Chief Wildlife Warden regarding the applicability of OM FC-11/119/2020-FC Dated 17.05.2022 for the proposed site.</p> <p>ii) Subsequently, a letter had been addressed to Chief Wildlife Warden vide Lr.No.SEIAA-TN/F.No.9799/2023/NBWL dated 19.06.2023 based on the direction given by authority in it's 621st SEIAA meeting.</p>
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			In the light of the above, authority after detailed discussions decided that upon the receipt of clarification from chief wildlife warden further deliberation shall be done on the proposal.
18.	Proposed Rough stone & gravel quarry over an extent of 4.42.0Ha at S.F.No. 392/2(p), 393/2(p), 394/1, 395, 396/1, 397 & 398/1A1(p) of Melkaraipatti Village, Plalani Taluk, Dindigul District, Tamil Nadu by M/s. Shri Rajrudhra Minerals Private Limited-For Environmental Clearance.	9925	<p>The authority noted that the subject was earlier appraised in the 387th SEAC meeting held on 28.06.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. 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 6,98,915 m³ of rough stone & 98172 m³ of Gravel up to the depth of 38m and the annual peak production should not exceed 163285 m³ of rough stone & 86028 m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period, till the project life. They should also review the EC


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			<p>conditions to ensure that they have all been adhered to and implemented.</p> <p>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.</p> <p>4. 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>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.</p> <p>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.</p>
19.	Proposed Construction of Data Centre with Supportive GIS Substation at Ward B, Block 37, T.S.No. 19/2, 20/2 (Old S.F.Nos.158(pt), 159(pt), 160(pt),	10093	The authority noted that the subject was appraised in the 393 rd SEAC meeting held on 20.07.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated


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<p>174/1(pt), 174/2(pt)) of Ambattur Village, Ambattur Taluk, Chennai District, Tamil Nadu by M/s. Minerva Veritas Data Centre Private Limited- For Environmental Clearance. (SIA/TN/INFRA2/431276/2023)</p>		<p>therein. Subsequently, the proposal was placed in the 643rd Authority meeting held on 01.08.2023. After detailed discussions, the Authority decided to obtain the following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /Metro Water/TWAD. 2. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed. 3. The company shall have a well laid down environmental policy duly approved by the Board of Directors before obtaining EC. 4. The PP shall furnish NOC of Airport authority for Height Clearance (59.1m). 5. The proponent is requested to furnish the details regarding the recreation room, gym facility & canteen waste disposal facility 6. Since the data center is in cloud computing, the following impacts may be studied in detail <ol style="list-style-type: none"> i. The proponent must submit details regarding the fire suppression strategies that will be deployed during Fire break out. ii. The impact on Global Warming, Climate Change, Energy consumption, Cooling mechanisms to reduce temperature & maintain building.
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			<p>iii. Impacts on the surrounding environment and the inhabitants within the facility due to Toxic Waste shall be studied and reported including that monitoring to activities.</p> <p>iv. The proponent shall submit impacts regarding the anticipated E-Waste generation and its mitigation measures.</p> <p>v. The proponent shall furnish the details regarding whether adequate parking area provided and traffic impact.</p> <p>Subsequently, the proponent had furnished the details called for to this O/o SEIAA on 23.08.2023. Based on the above reply furnished by the proponent, the subject was placed in 651st authority meeting held on 30.08.2023.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'C' of this minutes in addition to the following condition:</p> <p>1. As accepted by the Project Proponent, an amount of Rs. 12 Crores shall be spent towards CER for the committed activities before obtaining CTE from the TNPCB.</p>
20.	Proposed Rough Stone & Gravel quarry Lease over an extent of 1.10.0 Ha (Patta Land) at S.F.Nos.	9977	Earlier, the subject was placed in the 632 nd authority meeting held on 21.06.2023 & 22.06.2023. The authority noted that the subject was appraised in the


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	<p>251/3B of Karadikudi Village, Anaicut Taluk, Vellore District, Tamilnadu by Thiru.C.Venkatesan - For Terms of Reference</p>		<p>382nd SEAC meeting held on 09.06.2023. SEAC has furnished its recommendations for granting Terms of Reference with Public Hearing to the proposal.</p> <p>The Authority, after detailed discussions decided to consider the proposal after obtaining certain particulars from the project proponent as mentioned in the minutes.</p> <p>The proponent, vide letter dated.09.08.2023 furnished a reply for the above queries/details requested in the 632nd authority meeting.</p> <p>The Authority after examining the reply/details furnished by the proponent, after detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions and the conditions mentioned in 'Annexure B' of this minutes.</p> <p>a) The project proponent shall submit a Certified Compliance Report from the IRO, MoEF & CC, Chennai for the EC obtained earlier.</p>
21.	<p>Proposed Rough Stone quarry Lease over an extent of 3.20.0 Ha at S.F.No. 352/2 (Part-3) in Chokkampatti Village, Melur</p>	9737	<p>Earlier, the proposal was placed in the 619th authority meeting held on 18.05.2023. The authority noted that the subject was appraised in the 372nd SEAC meeting held on 27.04.2023. SEAC</p>


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	<p>Taluk, Madurai District, Tamil Nadu by Thiru. S. Maheswaran – For Environmental Clearance</p>		<p>has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, after detailed deliberations decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <ol style="list-style-type: none"> 1. Since this is a B2 category project with a project area of more than 3 hectares, the study in the Pre-feasibility report on Environmental impacts needs more details as follows, to cover project life: <ol style="list-style-type: none"> b) Impact on the local population due to air pollution and dust. c) Impact on the health of workers and people around, particularly skin, respiratory tract problems leading to Bronchitis and neurological issues, cardiovascular, pulmonary diseases, asthma and other air borne disease. d) Action plan for the protection and conservation of natural resources. e) Anticipated total particulate matters and PM₁₀ concentration during project period. f) Impact on waterbodies, lakes, borewells and water table due to the proposed mining activity. g) Impact of the proposed mining activity on temperature, Climate change and GHG emissions. h) Impact on Agriculture and Horticulture. i) Biomagnification effect through food chain on humans, Grazing animals and wildlife.
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		<p>The proponent, vide letter dated.23.08.2023 furnished a reply for the above queries/details requested in the 619th authority meeting.</p> <p>The Authority after examining the reply/details furnished by the proponent and also taking into account the recommendations of SEAC, the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 6,54,955m³ of rough stone up to the depth of 51m (16m above ground level + 35m below ground level) and the annual peak production should not exceed 1,65,980m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period, 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
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			<p>environmental norms should be strictly followed as per the EMP.</p> <p>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.</p> <p>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.</p>
22.	Proposed Gravel Quarry over an extent of 3.55.0Ha SF.No.248/2, 248/3 and 250/5 of Sembanur Village, Karaikudi Taluk, Sivagangai District by Thiru. S. Subramanian - For Environmental Clearance.	10057	<p>The authority noted that the PP has furnished reply Dt: 21.08.2023 for the additional sought vide 642nd SEIAA meeting Dt:31.07.2023. Further, the PP has submitted letter Dt: 30.08.2023 requesting change in school name from Kunnathupatti Village to Sembanoor Village mentioned in CER condition in the 392nd SEAC minutes.</p> <p>In view of the above, the authority decided to refer back the proposal to SEAC for remarks and recommendation based on the request of the PP.</p>
23.	Proposed Rough Stone & Gravel quarry lease over an extent of 4.00.0Ha at SF.No. 147/1A,	10027	<p>Earlier, the subject was placed in the 640th Authority meeting held on 19.07.2023. The Authority noted that the subject was appraised in the</p>

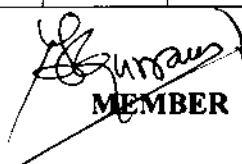

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<p>147/1B, 147/2A, 147/2B, 147/3F, 147/3G, 147/7, 147/8, 148/2, 148/3, 148/4, 148/5 & 148/6 of Pinnalvadi Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu by Tmt.S.Danalakshmi - for Environmental Clearance.</p>	<p>390th Meeting of SEAC held on 07.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. The Authority in its 640th meeting raised ADS. The PP has submitted reply for SEIAA ADS.</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 3,22,298m³ of Rough stone and 54,272m³ of Gravel up to the depth of mining 40m BGL and the annual peak production should not exceed 68,585m³ of Rough stone and 18,254m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 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 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 mine plan period, 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
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			<p>MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. 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>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.</p> <p>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.</p>
24.	Proposed Construction of Residential Group Development at Old S.No. 77/6A1B1, 78/14A & 78/14B, T.S.No.33/2 of Block No: 21, Ward: G, Kamarajar Salai, Pammal Village, Pallavaram Taluk, Chengalpattu District, Tamil Nadu	10069	Earlier the subject was placed in the 642 nd Authority meeting held on 31.07.2023. The Authority noted that the subject was appraised in the 392 nd Meeting of SEAC held on 14.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental


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<p>by M/s. Radiance Realty Developers India Limited - For Environmental Clearance.</p>	<p>Clearance subject to the conditions stated therein. The Authority in its 642nd meeting raised ADS. The PP has submitted reply for SEIAA ADS.</p> <p>After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. The PP shall furnish an affidavit stating that the PP will furnish letter from Municipality for supply of drinking water and absorb excess treated sewage with amount paid challan and acknowledgement from Municipality for receiving the money before obtaining CTE from TNPCB. 2. As per SEAC minutes, the PP shall furnish the framed Environmental policy and Environmental management team. 3. As per SEAC minutes, the PP shall furnish an action plan to implement CER cost of Rs.76 Lakhs. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
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Annexure 'A'

a) EC Compliance

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.


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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.

b) 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, Biological diversity Rules, 2004 & TN Forest Act, 1882 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

c) 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 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.

d) Water Environment – Protection and mitigation measures


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

e) 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.

f) Soil Environment – Protection and mitigation measures


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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.
28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.

g) Noise Environment – Protection and mitigation measures

29. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
30. 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.

h) Biodiversity - Protection and mitigation measures


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31. 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.
32. 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.
33. 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.
34. 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.
35. 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.

i) Climate Change

36. The project activity should not in any way impact the climate and lead to a rise in temperature.
37. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
38. Intensive mining activity should not add to temperature rise and global warming.
39. Operations should not result in GHG releases and extra power consumption leading to Climate Change.
40. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.
41. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.


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42. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
43. 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.

j) Reserve Forests & Protected Areas

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

k) Green Belt Development

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

l) Workers and their protection

55. 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.


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56. 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.
57. 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.

m) Transportation

58. 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.
59. 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 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.

n) Storage of wastes

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

o) CER/EMP

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


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62. The EMP shall also be implemented in consultation with local self-government institutions & Govt. departments.

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

p) Directions for Reclamation of mine sites

64. 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.

65. 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.

66. 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.

67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.

68. 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.

69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.

70. 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


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nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.

71. 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.
72. 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.
73. 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.
74. 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.
75. 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.
76. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

Annexure 'B'

Cluster Management Committee

1. Cluster Management Committee shall be framed which must include all the proponents in the cluster as members including the existing as well as proposed quarry.


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2. The members must coordinate among themselves for the effective implementation of EMP as committed including Green Belt Development, Water sprinkling, tree plantation, blasting etc.;
3. The List of members of the committee formed shall be submitted to AD/Mines before the execution of mining lease and the same shall be updated every year to the AD/Mines.
4. Detailed Operational Plan must be submitted which must include the blasting frequency with respect to the nearby quarry situated in the cluster, the usage of haul roads by the individual quarry in the form of route map and network.
5. The committee shall deliberate on risk management plan pertaining to the cluster in a holistic manner especially during natural calamities like intense rain and the mitigation measures considering the inundation of the cluster and evacuation plan.
6. The Cluster Management Committee shall form Environmental Policy to practice sustainable mining in a scientific and systematic manner in accordance with the law. The role played by the committee in implementing the environmental policy devised shall be given in detail.
7. The committee shall furnish action plan regarding the restoration strategy with respect to the individual quarry falling under the cluster in a holistic manner.
8. The committee shall furnish the Emergency Management plan within the cluster.
9. The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
10. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.
11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

Impact study of mining

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following
 - a) Soil health & soil biological, physical land chemical features .
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction in the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.


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h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity

13. Impact on surrounding agricultural fields around the proposed mining Area.
14. Impact on soil flora & vegetation around the project site.
15. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
16. The Environmental Impact Assessment should study the biodiversity, the natural ecosystem, the soil micro flora, fauna and soil seed banks and suggest measures to maintain the natural Ecosystem.
17. Action should specifically suggest for sustainable management of the area and restoration of ecosystem for flow of goods and services.
18. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.

Forests

19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

23. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.


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26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.
27. The project proponent shall study and furnish the details on potential fragmentation impact on natural environment, by the activities.
28. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
29. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
30. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.

Energy

31. The measures taken to control Noise, Air, Water, Dust Control and steps adopted to efficiently utilise the Energy shall be furnished.

Climate Change

32. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.
33. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.

Mine Closure Plan

34. Detailed Mine Closure Plan covering the entire mine lease period as per precise area communication order issued.

EMP

35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.
36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

Risk Assessment

37. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.

Disaster Management Plan


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38. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities covering the entire mine lease period as per precise area communication order issued.

Others

39. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.
40. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.
41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.

Annexure 'C'

Climate Change

1. The proponent shall adopt strategies to decarbonize the building.
2. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
3. The proponent shall adopt strategies to reduce temperature including the Building Façade.
4. The proponent shall adopt methodology to control thermal environment and other shocks in the building.
5. The proponent shall adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.
6. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.
7. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.
8. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco-friendly and support sustainable management of the natural resources within and outside the campus premises.


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9. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.

Health

10. The proponent shall adopt strategies to maintain the health of the inhabitants.

Energy

11. The proponent shall adopt strategies to reduce electricity demand and consumption.
12. The proponent shall provide provisions for automated energy efficiency.
13. The proponent shall provide provisions for controlled ventilation and lighting systems.
14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.
15. All the construction of Buildings shall be energy efficient and conform to the green building norms. The PP shall ensure that carbon neutral building.
16. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.

Regulatory Frameworks

17. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
18. The project proponent shall ensure to provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
19. The proponent shall provide elevator as per rules CMDA/DTCP.

Database maintenance & audits

20. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.


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21. The proponent should maintain environmental audits to measure and mitigate environmental concerns.

Biodiversity

22. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,.

23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.

24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.

25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.

26. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.

27. The proponent shall adopt strategies to prevent bird hits.

Safety measures

28. The proponent should develop an emergency response plan in addition to the disaster management plan.

29. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.

30. All bio-safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.

31. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.

32. The proponent shall provide the emergency exit in the buildings.

33. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.

Water/Sewage

34. The proponent shall ensure that no treated or untreated sewage shall be let outside the project site & shall find access to nearby water-bodies under any circumstances other than the permitted mode of disposal.

35. The proponent shall provide STP of adequate capacity as committed and shall continuously & efficiently operate STP so as to satisfy the treated sewage discharge standards prescribed by the TNPCB time to time.


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36. The proponent shall periodically test the treated sewage through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB.
37. The proponent shall periodically test the water sample for the general water quality core parameters including fecal coliform within the proposed project site through TNPCB lab /NABL accredited laboratory and submit report to the concerned authorities.
38. The proponent shall ensure that provision should be given for proper utilization of recycled water.
39. The project proponent shall adhere to storm water management plan as committed.

Parking

40. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.

Solid waste Management

41. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.
42. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.

EMP

43. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
44. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.
45. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.

Others

46. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.
47. The project proponent shall adhere to height of the buildings as committed.


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