

MINUTES

605th MEETING

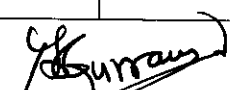
**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

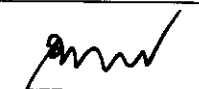
Date: 28.03.2023

**MINUTES OF THE 605th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 28.03.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 604 th meeting of the Authority held on 27.03.2023.		The minutes of the 604 th meeting of the Authority held on 27.03.2023 was confirmed.
b)	The Action taken on the decisions of the 604 th meeting of the Authority held on 27.03.2023.		The Member Secretary informed that 604 th Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Proposed Rough Stone and Gravel quarry lease over an extent of 1.62.0Ha SF.No.181/2 & 182/1 (Part) of Kalangal Village, Sulur Taluk, Coimbatore District by Thiru.N.Manickaraj - Environmental Clearance	9437	<p>The authority noted that the subject was appraised in 359th meeting of SEAC held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining decided to grant Environmental Clearance for the revised quantity of 69,420 cu.m. of Rough Stone by restricting the depth of mining upto 42m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as</p>


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recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC'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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project


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			<p>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 project proponent shall store/dump topsoil generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>7. The project proponent shall spend EMP cost of Rs. 67.17 Lakhs/ 5 Years as committed.</p> <p>8. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the Panchayat union Middle School, Sulur before obtaining CTO from TNPCB.</p>
2.	Proposed Brick Earth quarry lease area over an extent of 2.07.0 Ha at S.F.Nos. 210/2, 209/5, 211/2, 209/7 and 210/5, Vengalur Group and Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. R.Sankaranarayanan - For Environmental Clearance	7016	<p>The Authority noted that this proposal was placed for appraisal in this 359th meeting of SEAC held on 02.03.2023 and SEAC decided to recommend the proposal for the grant of Environmental Clearance over an extent of 2.07.0 ha for quantity of 12,373 m³ of Brick Earth for the period of 1 year with maintaining an ultimate pit depth of 1m BGL, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein.</p> <p>However, the PP has obtained consent registration from the pattadhars for these S.F.Nos. 209/5, 210/5, 211/2 only and the PP has requested EC for the same.</p>


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			<p>Meanwhile the PP has submitted revised production quantity of 8823 cu.m of brick earth over an extent of 1.40.0 ha (S.F.Nos 209/5, 210/5, 211/2) vide letter dated:25.03.2023.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN to obtain remarks on the revised quantity and revised area submitted by the PP.</p>
3.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.73.0 Ha at S.F.Nos. 337/2 of Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Tmt. K. Bhakiyalakshmi - For Environmental Clearance	9368	<p>The Authority noted that this proposal was placed for appraisal in this 359th meeting of SEAC held on 02.03.2023. The SEAC noted the following:</p> <ol style="list-style-type: none"> 1. Earlier online application No. SIA/TN/MIN/131536/2019 dt: 14.12.2019 (File No. 7365/2020) was appraised vide 156th SEAC meeting held on 18.06.2020. Based on the presentation made by the proponent and the documents furnished, the Committee noted that the earlier EC was granted by SEIAA vide Lr. Dt: 18.07.2013 to a depth of 31.5m whereas the proponent has mined to a depth of 41.5m as per the report furnished during presentation. When clarification was requested by the SEAC, consultant explained that before EC was granted to a depth of 31.5 m already 10m depth was mined out, totalling to 41.5m. The proponent has mined out only 31.5 m as per the EC granted. However, neither proponent nor the consultant has furnished document evidence from competent authority for the same. Hence the Project Proponent was instructed to get clarification for the above from the Assistant Director, Department of Geology and Mining,


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			<p>Coimbatore.</p> <p>2. Meanwhile, the PP had submitted a new application vide online No. 272724/2022 dated: 16.05.2022 (9368/2022) for the same in the parivesh portal without disclosing the fact of previous application submitted by the proponent.</p> <p>3. The PP had submitted a reply for the queries raised in the 156th meeting of SEAC held on 18.06.2020.</p> <p>During the meeting, the EIA coordinator has submitted an explanation letter. The Committee, hence, directed the PP to withdraw the new application submitted vide online application 272724/2022 dated: 16.05.2022 (9368/2022), after which the Committee will examine the replies given in File No. 7365.</p> <p>After detailed discussion, Authority decided to request the Member Secretary, SEIAA-TN to call for the explanation of the EIA coordinator and Project Proponent for hiding the facts, after which the Authority will decide upon further course of action.</p>
4.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.10.5 Ha at S.F.Nos. 492/A3 & 492/B2 of Kodanthur South Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Thiru.R.Gunasekaran -For Environmental Clearance	9415	<p>The Authority noted that the subject was appraised in the 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendation of SEAC and the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,25,415 cu.m of rough stone & 12,870 cu.m of</p>


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		<p>Gravel by restricting the depth of mining upto 40m Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. 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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior
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			environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
5.	Proposed Rough Stone Quarry lease over an extent of 3.35.0Ha in S.F.Nos.63/2 (Part) of Bargur Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru.C.Selvan – For Environmental Clearance.	8529	<p>The Authority noted that the subject was appraised in 359th meeting of SEAC held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority after detailed discussions decided to restrict the mining to a depth of 41m BGL and to permit 4,98,800 m3 of rough stone to be produced in a period of 5 years (truncating X1Y1-CD section of mine lease area) in the interest of biodiversity conservation, water environment, ecology, flora and fauna. 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 every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.


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			<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>
6.	Existing Black Granite quarry over an extent of 1.30.5Ha at S.F.No. 47/4, Kunnam Village, Vanur Taluk, Kancheepuram District, Tamil Nadu by M/s. Enterprising Enterprises - for Terms of Reference under violation.	4400	<p>The authority noted that this proposal was placed for appraisal in 359th meeting of SEAC held on 02.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to request SEIAA-TN to grant of Terms of Reference (TOR) under Violation category.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category with public hearing 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 conditions in 'Annexure B' of this minute.</p>


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		<ol style="list-style-type: none"> 1. The PP shall furnish Copy of valid mining lease approval obtained from the competent Authority. 2. The PP shall furnish Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining. 3. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan. 4. The PP shall study in detail about CO₂ release and temperature rise and add to micro climate alternations and the same shall be included in the final EIA report. 5. The PP shall study in detail about impact on the water bodies and natural flow of surface and ground water and the same shall be included in the final EIA report. 6. The PP shall study in detail about Soil health, Climate change leading to Droughts, Floods etc. 7. The PP shall study in detail about release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people. 8. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health. 9. The PP shall study in detail about impact on flora, fauna, biodiversity and water table and the same shall be included in the final EIA report. 10. The PP shall study the impact on Invasive Alien Species (IAP).
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			In case the PP does not furnish Chapter 13 as directed by SEAC, MS, SELAA-TN may refer the file to SEAC for further action.
7.	Proposed Rough Stone and Gravel quarry over an extent of 2.49.00 Ha at S.F.No.594 (Part) of Prancheri Village, Manur Taluk Tirunelveli District, Tamil Nadu by Thiru P Manokaran - for Environmental Clearance.	9375	<p>The authority noted that this proposal was placed for appraisal in 359th meeting of SEAC held on 02.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Authority after detailed deliberation, decided to call for additional details</p> <ol style="list-style-type: none"> 1. As per the KML file uploaded by the proponent in Parivesh Portal, it is ascertained that <ol style="list-style-type: none"> i. A Tank in NW direction from the proposed mine lease area within 300m radius. ii. A Tank in NE direction from the proposed mine lease area within 500m radius. <p>Hence, the proponent is requested to furnish the following</p> <ol style="list-style-type: none"> a. The 'No Objection Certificate' from the Panchayat Union / PWD Department applicable to this Water body/Tank for carrying out the quarrying operations. b. The PP shall submit a detailed report regarding the impact of mining on the water body.


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			<p>c. The impact of mining on the surface water flow and subterranean water.</p> <p>d. Further, the proposed mine lease area is in the U/S side of the Tank which is located in the NE direction of the site, hence due to the proposed mining activity, the surface water which contributes to the tank will get affected. Hence, the proponent is requested to provide mitigation measures regarding the same.</p> <p>e. The proponent shall submit the details regarding soil erosion that will occur due to the mining activity and subsequently the effect of siltation in the tank.</p> <p>f. The proponent shall submit a 'Standard Operating Procedure' (SoP) laid for water ingress and water egress situation in the proposed quarrying operation considering the existence of the above-mentioned water body.</p> <p>iii. There are many agricultural lands in the Northern direction which starts from the Tank in NW direction and traverses across till the Tank in the NE direction. Hence, the proponent is requested to submit the following</p>
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			<p>a. To study and submit the impacts on the agricultural land due to the proposed mining activity.</p> <p>b. To study and submit the impacts on the Ground water with respect to the agricultural land due to the proposed mining activity.</p> <p>Upon the receipt of aforesaid details, further deliberation shall be done.</p>
8.	Proposed Earth Quarry over an extent of 1.47.5Ha at SF.No.1285/ 1A & 1285/ 2A of Mottanuthu Village, Andipatti Taluk, Theni District by Thiru.R. Thangapanidan - For Environmental Clearance.	9433	<p>The authority noted that this proposal was placed for appraisal in 359th meeting of SEAC held on 02.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Authority after detailed deliberation, decided to call for additional details</p> <p>1. The PP shall change all the documents from "Earth" to "Ordinary Earth" as per the TN G.O. (Ms). No.244, dated. 14.12.2022.</p> <p>Upon the receipt of aforesaid details, further deliberation shall be done.</p>
9.	Existing Grey Granite (Paradiso) Mine Lease over an extent of 1.21.0 Ha at S.F.No. 438 (part) in Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Tmt.S. Naseera – For Environmental Clearance	4793	<p>The authority noted that the subject was appraised in the 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority during deliberations, noted the following:</p> <p>1. From the letter dated.20.02.2023 issued by Commissioner, Department of Geology & Mining, the following were ascertained:</p>


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		<p>i) The proponent vide letter dated.09.12.2010 has obtained approval from the Commissioner of G&M for quarrying in the subject area and the lease was executed on 28.02.2011.</p> <p>ii) During the submission of the next scheme of mining by the proponent, it was noted the lessee has not obtained the Environmental Clearance but has obtained transport permit during the violation period from 15.01.2016 to 10.01.2017.</p> <p>iii) Hence, as per the Hon'ble Supreme Court of India's order dated.02.08.2017 & letter dated.20.08.2018 from Director of G&M, the proponent was directed to remit 100% cost of the mineral lifted without EC for the violation period from 15.01.2016 to 10.01.2017. Accordingly, a demand notice was issued by District Collector vide demand notice dated.19.02.2020 with a tune of Rs.82,78,006/- for transportation of 374.828cbm of coloured granite, which was transported in the violation period.</p> <p>iv) Accordingly, the lessee filed WP against the above demand notice before the Hon'ble High Court of Madras WMP.No.24608/2022 in W.P.No.25607/2022 at the High Court and in its order dated.23.09.2022 has granted an interim stay. The case is yet</p>
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to be disposed of.

- v) Now, the proponent has submitted 2nd scheme of mining, and the same was approved by the Dept. of G&M.

2. From the SEIAA office records, the following were ascertained:

- i) The proponent has submitted his first application seeking Environmental Clearance for the existing grey granite quarry vide online application number SIA/TN/MIN/37047/2015 dated.30.12.2015.
- ii) Later, as per the MoEF&CC's Notification S.O.804 (E) dated.14.03.2017, S.O.1030 (E) dated.08.03.2018 & O.M dated.15.03.2018 & 16.03.2018, the proposal was processed and ToR under violation was accorded to the proponent vide Lr.No.SEIAA-TN/F.No.4793/ToR-477/2018, dated.07.06.2018, since quarrying operations were carried out after 15.01.2016 without obtaining EC.
- iii) Further, the proponent has submitted an application seeking an extension of validity in the Terms of Reference dated.07.06.2018 issued earlier, vide proposal number SIA/TN/MIN/269653/2022 dated 26.04.2022.

This extension application was placed for appraisal during 308th SEAC


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meeting held on 01.09.2022. During the presentation, the proponent stated that he is a non-violator as per the National Green Tribunal, Southern Zone, Chennai Original application no.136/2017 (SZ), dated.30.06.2020 since his application for Environmental Clearance was submitted before 31.03.2016 and hence proposed to withdraw the ToR applications submitted and also requested to process the EC application SIA/TN/MIN/37047/2015 dated.30.12.2015 under normal category.

The Committee decided that SEIAA may accept the TOR 'withdrawal request' of the proponent. The authority decided to accept the withdrawal request of the proponent after obtaining the letter/details from AD mines.

Subsequently, the proposal was recommended for Environmental Clearance in the 359th SEAC meeting held on 02.03.2023 subject to the condition stated therein.

In this regard, the authority noted that:

- i) As per MoEF&CC's O.M dated.07.07.2021, "Violation" means cases where projects have either started the construction work or installation or excavation, whichever is earlier, on-site or have expanded the production capacity and/or project area beyond the limit


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		<p><i>specified in the Environmental Clearance (prior EC) without obtaining prior-EC or change of scope without prior approval from the Ministry”.</i></p> <p>In the present case, as per the letter dated.20.02.2023 issued by Commissioner, Department of Geology & Mining, the Proponent has carried out quarrying operations post 15.01.2016 without obtaining prior EC violating the provisions of EIA Notification, 2006, as amended.</p> <p>ii) Also, as per the clarification letter dated.03.04.2017 issued by MoEF&CC to Principal Secretary of Industries Department, Chennai, regarding the requirement of EC for major Minerals below 5 Hectare,</p> <p><i>“.... All the mining leases (major mineral as well as minor minerals) operating in the country are required to obtain Environmental Clearance (EC) after 15.01.2016 as per the provisions contained in Environmental Impact Assessment Notification, 2006 as amended. Further, no mining lease shall operate without prior EC and all such mines (including less than 5 Hectares) which were in operation before 15.01.2016 are required to stop their mining activity and apply to MoEF&CC at Central Level/State Environment Impact Assessment Agency at State Level/ District Environment Impact Assessment Agency at District Level for seeking EC. The mine leases continue to operate without obtaining EC after 15.01.2016 shall be considered as violation</i></p>
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			<p><i>cases and the same shall be dealt in accordance with the violation policy under Environment Impact Assessment Notification, 2006 as amended...</i></p> <p>In the present case, though the proponent has filed an application for obtaining Environmental Clearance before 31.03.2016 and claims that he is a non-violator as per the NGT order dated. 03.06.2020, from the letter of Commissioner, G&M, dated. 20.02.2023, it is ascertained that he did not stop the quarrying operations and has continued quarrying during the period from 15.01.2016 to 10.01.2017, i.e, the proponent has continued the quarrying operations while the EC application filed by him was under process.</p> <p>iii) Therefore, it appears that the proponent has continued to violate the provisions of EIA Notification 2006, as amended, till 10.01.2017 without obtaining EC.</p> <p>In view of the above, the authority after detailed deliberations decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its remarks to take further course of action.</p>
10.	Proposed Earth Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkazhi Taluk, Mayiladuthurai (Formerly Nagapattinam) District, Tamil Nadu by Thiru. V. Senthamilseran – For Environmental clearance	7439	<p>The authority noted that the subject was appraised in 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority, during deliberations, noted the following:</p>


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		<p>i) The KML file is not available in the PARIVESH Portal and hence the site boundary and site conditions could not be ascertained.</p> <p>ii) From the latitude & longitude co-ordinates provided in the proposal by the proponent, it is ascertained from the satellite imagery that the project area consists of dense vegetation presumably with trees. It shall be ascertained whether the trees are numbered and where and how they are proposed to be transplanted.</p> <p>iii) The recommended earth removal of 60,860m³ will lead to a tremendous loss of basic organic matter, vegetation, nutrients, and soil fertility. Therefore, the project proponent may be asked to do a soil fertility test to understand the bulk density, porosity, nutrient content such as N, P, K and also micro nutrients of the proposed site, to ascertain the site's capacity for agriculture and horticulture.</p> <p>iv) The area around the project site appears to be agricultural fields and hence the proposed removal of earth up to 2m will impact the agricultural activities going on around the site resulting in poor productivity in those fields. Moreover, 3.64.5 Ha is a large area for earth removal. Some of the impacts envisaged are decreased productivity, loss of earthworms, loss of microbial activity and loss of soil properties.</p> <p>The use of machineries for soil removal will result in compaction of the soil and will change the land use pattern, soil structure, properties and quality of soil like filtering and buffering</p>
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			<p>abilities. It will affect the crop yield in the neighbouring fields and change the local agriculture scenario. Such agricultural fields should be best avoided from soil removal as the quantity of removal envisaged is a huge quantity.</p> <p>Further, such a huge quantity of soil removal will result in erosion and impact the biodiversity, soil, groundwater, and also surface water flow. It is sure to alter the soil profile, contaminate the local water bodies, wetlands and working for 2 years will also result in dust and noise pollution. For these reasons, fragile areas like these should be prevented from earth removal as far as possible. In this regard, the proponent may be asked to do detailed soil studies to ascertain if the soil is fit for cultivation before such earth removal is recommended.</p> <p>Hence, in view of the above, the Committee shall examine the above-mentioned points and furnish its recommendations to SEIAA on whether the proposal may be considered for quarrying keeping sustainable mining in view.</p>
11.	Proposed Rough Stone & Gravel quarry Lease over an extent of 0.89.0 Ha at S.F.No. 250/1A, 1B & 1C in Andipalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Tvl.Negamam Granites Private	9371	<p>The authority noted that the subject was appraised in 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and</p>


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	<p>Limited – For Environmental Clearance</p>	<p>systematic mining, decided to grant Environmental Clearance for the restricted quantity of 73,250 m³ of Rough Stone & 11,988m³ of Gravel by restricting the depth of mining upto 32m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure ‘A’ of this minutes.</p> <ol style="list-style-type: none"> 1. 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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance
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			letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
12.	Proposed Rough Stone & Gravel quarry Lease over an extent of 1.80.0 Ha at S.F.No. 141/2 in Kanniyam Village, Tindivanam Taluk, Viluppuram District, Tamil Nadu by Thiru.K.Chandirasekar – For Environmental Clearance	9390	<p>The authority noted that the subject was appraised in 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the 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 1,10,770 m³ of Rough Stone & 13,816m³ of Gravel by restricting the depth of mining upto 39m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. 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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.


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			<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>
13.	Proposed Rough Stone & Gravel quarry Lease over an extent of 0.89.0 Ha at S.F.No. 66/2 (Part) in Thirumalayampalayam North Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Mr.S.Rathina Velusamy – For Environmental Clearance	9397	<p>The authority noted that the subject was appraised in 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the 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 69,898m³ of Rough stone & 6324m³ of gravel by restricting the depth of mining upto 20m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other</p>


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			<p>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 every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
14.	Proposed Rough Stone quarry Lease over an extent of 2.00.0 Ha at	9434	The authority noted that the subject was appraised in 359 th SEAC meeting held on 02.03.2023. SEAC has


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<p>S.F.No. 169 (part) in Jinjupalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tmt.V.Jayaprabha – For Environmental Clearance</p>	<p>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 1,71,615m³ of Rough stone by restricting the depth of mining upto 16.5m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. 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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
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			<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>
15.	Proposed Rough Stone quarry lease over an extent of 4.94.5Ha at S.F.No. 170(Part), Kunnavakkam Village, Thirukazhukundram Taluk, Chengalpattu District, Tamil Nadu by M/s. Salem Mines & Aggregates – For Environmental Clearance.	8567	<p>The authority noted that this proposal was placed for appraisal in 359th meeting of SEAC held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the 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 7,71,372m³ of rough stone by restricting the depth of mining up to 41m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p>


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			<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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
16.	Proposed Rough Stone and Gravel quarry lease over an extent of 1.00.0 Ha at S.F.Nos.133/1A2 (P) & 133/1B (P) of Thensangampalayam Village,	9246	The authority noted that this proposal was placed for appraisal in 359 th meeting of SEAC held on 02.03.2023. The Committee noted the PP has not submitted NBWL Clearance as stated in 301 st Meeting


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	Anaimalai Taluk, Coimbatore District, Tamil Nadu by Thiru. N.Mahalingam– For Environmental Clearance.		of SEAC held on 06.08.2022. Hence SEAC decided that the PP shall furnish NBWL Clearance. 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 02.03.2023.
17.	Proposed Rough Stone quarry lease area over an extent of 0.81.0 Ha at S.F.No. 415/3B, of Vellarivelli Village, Edappadi Taluk, Salem District, Tamil Nadu by Thiru. K. Ravisuthan- For Environmental Clearance.	9377	The authority noted that this proposal was placed for appraisal in 359 th meeting of SEAC held on 02.03.2023. The committee noted that the EIA co-ordinator has failed to furnish the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not. Further, the committee has noted that there are 57 houses, 3 temples and 12 cattle sheds are existing around 300m radius of the project site. Hence SEAC decided not to recommend the proposal. 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 02.03.2023.
18.	Proposed Rough Stone quarry lease over an extent of 1.20.00 Ha at S.F.No. 197/2(Part), Jinjupalli Village, krishnagiri Taluk, krishnagiri District, Tamil Nadu by Thiru. C. Murugesan– For Environmental Clearance	9435	The authority noted that this proposal was placed for appraisal in 359 th meeting of SEAC held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority decided to grant Environmental Clearance for the quantity of



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		<p>1,57,770m³ of Rough stone up to the depth of mining 32m BGL, as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to 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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior
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			environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
19.	Proposed Rough stone quarry lease over an extent of 2.00.0 Ha in S.F.No.705(part-II) Kottaiyur Village, Srivilliputtur Taluk Virudhunagar District, Tamil Nadu by Thiru. M.Krishnakumar - For Environmental Clearance	7378	<p>The authority noted that the subject was appraised in 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the 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 3,25,120 m³ of Rough Stone with an ultimate depth of mining upto 40m (25m AGL + 15m BGL) as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to 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 5 years till the project life. They should also review the EC conditions to



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		<p>ensure that they have all been adhered to and implemented.</p> <ol style="list-style-type: none"> 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 project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan. 7. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the conservation activities in SMTR in consultation with DFO/ Deputy Director SMTR, before obtaining CTO from TNPCB.
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20.	Proposed Rough stone quarry lease over an extent of 1.20.0 Ha in S.F.No.56/1(part-5) Kothapetta Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tmt. SA. Sumithashankar - For Environmental Clearance	8519	<p>The authority noted that the subject was appraised in 359th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the 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 1,78,443 m³ of Rough Stone with an ultimate depth of mining upto 30m (10m AGL+ 20m BGL) as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to 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 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC
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			<p>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 project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>7. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Panchayat Union Middle School, K.A. Nagar, Krishnagiri District for the activities as committed, before obtaining CTO from TNPCB.</p>
21.	Proposed earth quarry lease over an extent of 1.42.0 Ha at S.F.Nos 411/1A, 411/1B, 412/16 and 412/17A Potturam Villahge,	9378	The authority noted that the subject was appraised in 359 th SEAC meeting held on 02.03.2023. SEAC has furnished its recommendations for granting


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	Uthamapalaym Taluk, Theni District, Tamil Nadu by Thiru. K Kathiravan - For Environmental Clearance.		Environmental Clearance subject to the conditions stated therein. After detailed discussion, SEIAA decided to obtain the following additional details from the PP. 1. Based on the G.O.(Ms).No.244, Industries, Investment Promotion & Commerce (MMC.1) Department, Dated: 14.12.2022, the project proponent shall furnish the amendment in the mining plan from 'Earth' to 'Ordinary Earth' obtained from the competent authority.
22.	Proposed Rough Stone quarry Lease over an extent of 4.19.5 Ha at S.F.No. 385/1 & 385/2A in Villukuri Village, Kalkulam Taluk, Kanniyakumari District, Tamil Nadu by Thiru.R.George Antony - For Environmental Clearance	9133	The authority noted that the subject was appraised in 359 th SEAC meeting held on 02.03.2023. 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 restricted quantity of 3,72,084m³ of Rough Stone by restricting the depth of mining upto 45m from the existing ground profile as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes. 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E)

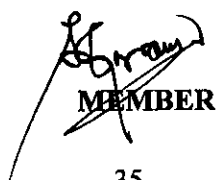

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			<p>dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
23.	Existing Limestone Mine lease over an extent of 31.092 Ha at S.F.Nos. 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790 & 791/2 in Ramayanpatti Village, Tirunelveli Taluk, Tirunelveli District, Tamil Nadu by M/s. Krishna Mines- For	6726	<p>The authority noted that this proposal was placed for appraisal in 359th meeting of SEAC held on 02.03.2023.</p> <p>SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...</p>


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	<p>Extension of Validity of Environmental Clearance.</p>	<p><i>“The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above.”</i></p> <p>Based on the presentation made by the proponent, the SEAC noted that the PP has valid lease up to 31.03.2030 and hence decided to confirm that the PP is eligible for ‘automatic extension’ as per the aforementioned OM issued by the MoEF & CC.</p> <p>After detailed discussions, the Authority decided to accept ‘automatic extension’ and grant Environmental Clearance as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure ‘A’ of this minutes.</p> <ol style="list-style-type: none"> 1. 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 5 years till the project life. They should also review the EC conditions to
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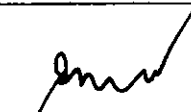

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			<p>ensure that they have all been adhered to and implemented.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive 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>
24.	Proposed Karimbedu Sand Quarry Project for Restoring the Functional Efficiency of the Kosasthalaiyar River over an Extent of 4.95.0Ha of Government land in S.F.No. 187 (Part) of Kosasthalaiyar (Nagari) River in Karimbedu Village, Pallipattu Taluk, Tiruvallur District, Tamil Nadu by the Executive Engineer, PWD/WRD – For Environmental Clearance.	9645	<p>The authority noted that this proposal was placed for appraisal in 359th meeting of SEAC held on 02.03.2023. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Authority after detailed deliberation, noted that</p> <p>1. Appeal Number 80 of 2022 has been filed in the Hon'ble NGT, Southern Zone has passed various orders as below</p> <p>Order dated: 27.03.2023</p> <p><i>"...It is very well clear that when the sand mining is committed to be done with the</i></p>


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		<p><i>machinery, automatically it will fall under 'B1 – Category' which would require the public hearing, replenishment study and also the EIA Study."</i></p> <p>Further, the court has directed the proponent to maintain status quo as per the earlier order issued to carry out only manual excavation.</p> <p>In the view of the above, Authority decided to refer back the proposal to SEAC to examine the aforementioned NGT order and shall furnish its recommendation to SEIAA regarding the category under which the proposal may be granted EC.</p>
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Annexure-'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.
3. The proponent shall submit Compliance Reports on the status of compliance of the stipulated EC conditions including results of monitored data. It shall be sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA).
4. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

Applicable Regulatory Frameworks


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

Safe mining Practices

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
7. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as recommended in the scientific slope stability study of the reputed research & Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.
8. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

Water Environment – Protection and mitigation measures

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.


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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.

Air Environment – Protection and mitigation measures

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

Soil Environment – Protection and mitigation measures

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.


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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 mycorrizal 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.

Noise Environment – Protection and mitigation measures

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

Biodiversity - Protection and mitigation measures

30. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
31. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the


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movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.

32. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
33. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
34. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

Climate Change

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

Reserve Forests & Protected Areas

43. The activities should provide nature based support and solutions for forest protection and wildlife conservation.


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

Green Belt Development

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


Workers and their protection

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

Transportation

57. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the


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adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

58. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Storage of wastes

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

CER/EMP

60. The CER Should be fully Implemented and fact reflected in the Half-yearly compliance report.
61. The EMP Shall also be implemented in consultation with local self-government institutions.
62. The follow-up action on the implementation of CER Shall be included in the compliance report.

Directions for Reclamation of mine sites

63. The mining closure plan should strictly adhere to appropriate soil rehabilitation measures to ensure ecological stability of the area. Reclamation/Restoration of the mine site should


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ensure that the Geotechnical, physical, chemical properties are sustainable that the soil structure composition is buildup, during the process of restoration.

64. The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.
65. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
66. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
67. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
68. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
69. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
70. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.


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71. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
72. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
73. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
74. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.
75. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

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.
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.,


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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.
 - h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity


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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.
26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.


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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

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 &


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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 - 'E'

1. The proponent shall ensure that the activities should in no way result in disturbance to forest and trees in vicinity.
2. The proponent shall ensure that the operations shall not result in loss of soil biological properties and nutrients.
3. The activity should not result in Co₂ release and temperature rise and add to micro climate alternations.
4. The river area restoration protocols should be strictly adhered with appropriate sand soil rehabilitation measures to ensure ecological stability of the area maintain flow of river.
5. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife.
6. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem.
7. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and ground water, nor cause any pollution, to water sources in the area.
8. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.



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9. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.
10. The proponent shall ensure that the activities shall not disturb the agro biodiversity and agro farms all agriculture activities in the village around.
11. The proponent shall ensure that the activity shall not result in invasion by invasive alien species.
12. The proponent shall ensure that activity shall not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soils and water.
13. 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.
14. The proponent shall ensure that the activities should not impact the water bodies/wells in the neighbouring open wells and bore wells nor impact the water table and levels.
15. The proponent shall ensure that the activities should not disturb the resident and migratory birds.
16. The proponent shall ensure that the activities should not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
17. The proponent shall ensure that the activities should not disturb the vegetation and wildlife in the adjoin reserve forests and areas around.
18. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands and reserve forests. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
19. Activities and operations should not deteriorate the physical, chemical biological constituents of the river eco system and the water quality should not be affected.
20. All efforts should be taken for eco restoration and maintain of the river and the river embankment for sustainable management of the river eco system.
21. Activities should not pollute the water in the river by garbage and dumping of wasted and the Riparian vegetation should not be affected waste water should not be released into the river.
22. Activities should not affect the human health in the area, particularly causing pandemics and disease.
23. There should be no disturbance to the river ecosystem due to any irrational human use during the sand mining activities.


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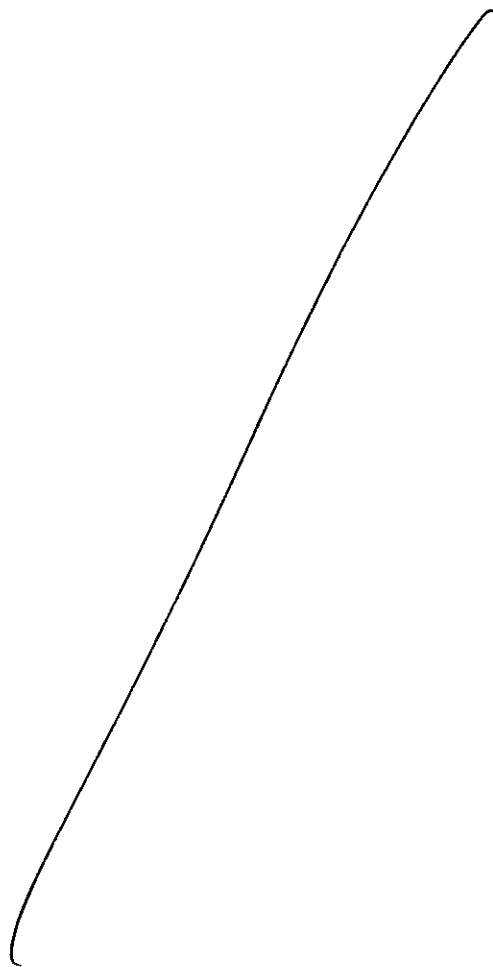
24. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
25. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
26. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
27. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
28. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried sand; and transport of sand will be as per IRC Guidelines with respect to complying with traffic congestion and density.
29. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
30. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
31. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
32. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.


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33. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
34. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
35. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the of this minute.
36. The project proponent shall strictly adhere to Standard Environmental Conditions for Sand Mining Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 by MoEF&CC.




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