

MINUTES

599th MEETING

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

Date: 06.03.2023

**MINUTES OF THE 599th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 06.03.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 598 th meeting of the Authority held on 01.03.2023.		The minutes of the 598 th meeting of the Authority held on 01.03.2023 was confirmed.
b)	The Action taken on the decisions of the 598 th meeting of the Authority held on 01.03.2023.		The Member Secretary informed that 598 th Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Proposed Rough Stone Quarry over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru.K.Muthaiah - For Environmental Clearance.	8241	<p>The Authority noted that the subject was appraised in the 353rd SEAC meeting held on 09.02.2022. 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 quantity of 2,79,584 cu.m of rough stone by restricting the depth of mining upto 42m (2m Top Soil + 40m Rough Stone) 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> <p>1. The prior Environmental Clearance granted for this mining project shall be valid for the project</p>


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		<p>life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.</p> <ol style="list-style-type: none">2. There should not be any damage to the houses if any, due to mining activities.3. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines,
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			& TNPCB every 5 years till the project life to ensure environmental sustainability.
2.	Proposed Earth quarry lease over an extent of 2.49.5 Ha at S.F.Nos: 1415/1, 1415/3, 1415/7, 1415/9, 1416/11, 1416/15, 1416/12, 1416,22, 1416/17 of R.Kombai Village, Vedasandur Taluk, Dindigul District, Tamil Nadu by Tvl.Asokans The Bricks Industrial Corporation- For Environmental Clearance.	8291	<p>The Authority noted that the subject was appraised in 353rd meeting of SEAC held on 09.02.2023. The SEAC noted that the Govt of Tamil Nadu vide G.O Ms No. 175 EF &CC Dt. 12.10.2022 has notified Kadavur Slender Loris Sanctuary in Karur & Dindigul District under the Wild Life (Protection) Act, 1972, for which ESZ is yet to be notified by the MoEF&CC, and the proposed project site also lies very close (i.e., 259 m) to the protected areas, the project is not recommended as per the Supreme Court's order dated 3rd June, 2022. Therefore, SEAC decided that not to recommend the proposal for grant of Environmental Clearance.</p> <p>The Authority decided to reject Environmental Clearance for the proposed project based on the recommendations of the Committee and to request the Member Secretary, SEIAA TN to communicate the aforesaid SEAC minutes to the Proponent.</p>
3.	Proposed Brick Earth quarry lease over an extent of 0.81.20 Ha at S.F.No.36/1A2 of Vembedu Village, Uthukkottai Taluk Tiruvallur District, Tamil Nadu by Thiru. G.Venkatesan- For Environmental Clearance.	8543	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. SEAC noted that the PP was absent. Therefore, SEAC decided to defer the proposal.</p> <p>In view of this, the Authority decided that the proponent shall furnish the reason for absence to further process the proposal.</p>
4.	Proposed Black Granite (Dolerite) quarry lease over an extent of 4.88.5Ha at S.F.Nos. 386(Part) Alapuram Village, Pappireddypatti Taluk, Dharmapuri District, Tamil	8593	<p>The proposal is placed in this 353rd SEAC Meeting held on 09.02.2023. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein.</p>

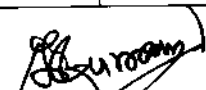

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<p>Nadu by M/s.Sri Mangala Rocks - For Environmental Clearance.</p>	<p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of ROM – 25,840 m³, production quantity of 1,809 m³ of Black Granite and Waste – 24,031 m³ but not exceeding an annual peak production of 367.5 m³ of Black Granite up to an ultimate depth of 31m 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. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF & CC dated
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		<p>08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</p> <ol style="list-style-type: none"> 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability. 5. 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. 6. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB. 7. The proponent shall make sure that there is no impact on the Reserved Forest and the moving wildlife. 8. The proponent shall make sure that there is no impact on the Drainage pattern and soil erosion.
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5.	Proposed quartz & Feldspar project over an extent of 2.11.0Ha in S.F.No. 1501B/2(P) & 1502(p), Sengurichi Village, Dindigul East Taluk, Dindigul District, Tamil Nadu by Thiru. M. Selvamani - For Environmental Clearance.	8596	<p>The authority noted that this proposal was placed for appraisal in 353rd meeting of SEAC held on 09.02.2023 and SEAC decided to call for the following details.</p> <p>1. The PP shall obtain the NBWL clearance from MOEF&CC.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent.</p>
6.	Proposed Rough Stone Quarry lease over an Extent of 1.00.0Ha (Government land) in S.F.Nos. 173/1 (Part - 1) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.K.Srinivasa - For Environmental Clearance.	8620	<p>The Authority noted that the subject was appraised in 353rd meeting of SEAC held on 09.02.2023. During the meeting, the proponent stated that he had requested for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.</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> <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 decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF&</p>


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			<p>CC subject to the following commitment made by the PP.</p> <ul style="list-style-type: none"> As accepted by the Project Proponent the CER cost is Rs. 5 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB. <p>The Authority held detailed discussions and pronounced the following:</p> <ol style="list-style-type: none"> To furnish the copy of Certified compliance report for the existing quarry for which EC has been issued to the Project Proponent. On perusal of the KML file it is seen that about 25% of the mine lease area is under vegetation and an extensive list of species have been reported. Hence the Project Proponent shall furnish the action plan contemplated to protect the flora and fauna, to enumerate the transplantation of the grown trees, impact on agriculture, biodiversity, any decrease in the agricultural production due to the proposed activity.
7.	Proposed Rough Stone quarry lease over an extent of 0.80.0Ha at S.F.No.121(Part-4) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.P.Radhakrishnan- For Environmental Clearance	8646	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. 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 quantity of 74600 Cu.m of Rough Stone and the annual peak production shall not exceed 15100</p>


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Cu.m of Rough Stone by restricting the depth of mining upto 46m (26m 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.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of


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		<p>SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</p> <ol style="list-style-type: none"> 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability. 5. 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. 6. The project proponent shall spend EMP cost of Rs. 83.29 Lakhs as committed for the period of 5Years. 7. 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 Government Primary School, Perumugai Village as committed, before obtaining CTO from TNPCB.. 8. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB.
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8.	Proposed Black Granite quarry lease area over an extent of 2.58.0Ha at S.F.No. 223/B(Part) Bit-1 of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by ThiruM.Dhanaraj- For Environmental Clearance.	8664	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent:</p> <p>i) Since Cauvery South Wildlife Sanctuary is located within 10km from the proposed site, the PP shall obtain NBWL clearance, vide, MoEF&CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.</p> <p>In view of this, the authority after discussions decided to request Member Secretary, SEIAA to communicate the minutes of the 353rd SEAC meeting to the project proponent.</p>
9.	Proposed Black Granite quarry lease area over an extent of 2.91.0Ha at S.F.No. 682/2(Part) Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Tvl. Nehal Enterprises - For Environmental Clearance.	8681	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023 and the SEAC decided to call for additional particulars as follows.</p> <p>i) The PP shall obtain NBWL Clearance for the proposed mining area with respect to the Cauvery South Wildlife Sanctuary existing at a distance of 7 km.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 09.02.2023</p>
10.	Proposed Rough Stone & Gravel quarry lease over an extent of 2.15.5Ha at S.F.No.255/2, 255/7 & 258/2 of Karadikudi Village, Anaicut Taluk, Vellore District,	8765	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p>


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Tamil Nadu by Thiru.K.Munusamy
- For Environmental Clearance.

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 quantity of 1,97,390 Cu.m of Rough Stone & 18728 Cu.m of Gravel and the annual peak production shall not exceed 41610 Cu.m of Rough Stone by restricting the depth of mining upto 21m AGL 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. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan


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every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.

4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.
5. 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.
6. The project proponent shall spend **EMP cost of Rs. 227.49 Lakhs** as committed for the period of 10 Years.
7. 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 committed activities for the Government Higher Secondary School, Pichanatham as committed, before obtaining CTO from TNPCB.
8. The project proponent shall obtain prior permission from Director of Mine safety &


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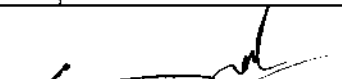
			Regional Inspector of Mines, Directorate General of Mines Safety, Chennai region before obtaining CTO from TNPCB.
11.	Proposed Rough Stone, Jelly & Gravel Quarry over an Extent of 4.60.5Ha in SF.No.293/1, 293/2, 293/4A, 293/4B, 293/5, 293/6, 293/8, 293/9 & 293/10 of Sandaiyur Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru.M.Aboobacker – For Environmental Clearance.	8766 New File 9750	<p>The Authority noted that this proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA TN to obtain following details and place before the Authority for further course of action. Since the proposed lease area appears to be very close to Reserve Forest,</p> <ol style="list-style-type: none"> 1. The PP shall study in detail about impact of blasting on wildlife and Reserve Forest. 2. What are the impacts of blasting on the vegetation, agricultural activities, Trees, soil, etc., 3. If the part on that side is removed, will the impact be reduced? <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
12.	Proposed Rough stone quarry lease area over an extent of 2.22.1 Ha at S.F. No. 1061/4B(P), 1062/1A(P), 1062/1B(P) & 1062/2B(P) of Thiyanadurgam Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. V. Jayaprakash- For Environmental Clearance.	8790	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. 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,</p>


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		<p>decided to grant Environmental Clearance for the revised quantity of 3,48,656m³ of rough stone recoverable (@95% recovery) and 18,349m³ of mine waste for the depth of 31m (8m above ground level + 23m below ground level) as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take
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			<p>necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
13.	Proposed Rough Stone and Gravel quarry lease over an extent of 0.55.5 Ha in S.F.No. 267/5, Pogalur Village, Peranampattu Taluk, Vellore District, Tamil Nadu by Thiru G. Nagesh- For Environmental Clearance.	8901	<p>The proposal is placed in this 353rd SEAC Meeting held on 09.02.2023.</p> <p>Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details</p> <ol style="list-style-type: none"> 1. The PP shall submit the certified compliance report issued by the IRO, MoEF & CC, Chennai. 2. The PP shall enumerate number of structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m with details such as dwelling houses with number of occupants, whether it belongs to the owner & type of the construction, life/age of the buildings/structures, including the places of worship, industries, factories, sheds, poultry farm etc. <p>On receipt of the aforesaid details, the proposal will be considered for further deliberations.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to</p>


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			communicate the minutes of 353 rd SEAC Meeting held on 09.02.2023 to the project proponent.
14.	Proposed Rough Stone quarry lease over an extent of 1.60.0 Ha in SF.Nos. 412/11 (Part-4) of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.H. Kirubasankar - For Environmental Clearance.	8903	<p>The authority noted that this proposal was placed for appraisal in 353rd meeting of SEAC held on 09.02.2022 and the SEAC decided to the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF& CC subject to the following commitment made by the PP.</p> <p>After detailed discussion the authority decided that though the PP is eligible for automatic extension the PP is requested to furnish the following details to cover the validity period.</p> <p>The proponent shall submit,</p> <ol style="list-style-type: none"> 1. Certified compliance report from competent authority. 2. 50% of the area is found to be vegetation. The PP shall number the trees inside and shall submit an action plan to transplant the trees.
15.	Proposed Rough Stone & Gravel quarry lease over an extent of 0.55.5Ha in SF. No. 335/2 of Venkatapuram Village, Arcot Taluk, Ranipet District, Tamil Nadu by Thiru E. Srinivasan for Environmental Clearance.	8910	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.22. 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 quantity of 10,519m³ of rough stone and 504m³ of gravel by restricting the depth of mining upto 18m BGL as per the mine plan approved by the</p>


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		<p>Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations,
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			<p>Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
16.	Proposed Gravel quarry lease over an extent of 2.83.5 Ha in S. F. Nos. 175/7A of Vennavalkudi Village, Alangudi Taluk, Pudukkottai District, Tamil Nadu by Thiru S. Chandrasekar- for Environmental Clearance	8942	<p>The Authority noted that the subject was appraised in 353rd meeting of SEAC held on 09.02.2023. 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 quantity of restrict the mining to AB-X1Y1 section and to permit 34946 m3 of Gravel to be produced up to a depth of 2m BGL in a period of one year (truncating CD-X2Y2 section of mine lease area) in the interest of biodiversity conservation, water environment, ecology, flora and fauna 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. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEFCC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.
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17.	Proposed Rough Stone and Gravel quarry lease over an extent of 1.56.5 Ha in S. F. No. 563/2D, 563/4A & 572/2 of Lembalakudi Village, Thiumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru R. Vadivelu- for Environmental Clearance.	8948 New File 9789	<p>The Authority noted that this proposal was placed for appraisal in this 353rd Meeting of SEAC held on 09.02.2023 and SEAC noted that there are many structures within 300m radius. Therefore, SEAC decided to call for certain additional particulars as follows.</p> <ol style="list-style-type: none"> 1. The proponent shall enumerate on the details of the structures located within 50m, 100m, 200m, 300m radius from the proposed mine lease area indicating the following, <ol style="list-style-type: none"> a. Type of structure/building, b. Age of the building/structures – Did it come later or came before the commencement of quarrying work? c. usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, d. No of occupants/family of such buildings/structures, e. ownership of the buildings/structures whether it belongs to the PP (or) not, etc. 2. The proponent shall furnish registered lease document for all the survey numbers of the proposed mining area from the concern pattadhars. <p>On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 09.02.2023.</p>
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18.	Proposed Rough Stone and Gravel quarry lease over an extent of 0.90.0Ha in S.F.Nos. 420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District by Dr. V.S. Vijay for Environmental Clearance	8961	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023 and the SEAC decided to call for additional particulars as follows</p> <ol style="list-style-type: none"> 1. Details of approved layout/Structures/buildings, reservoir, Canal, High ways, Railway lines, Water Bodies, Reserve Forest, Village Road, Cart track, Stream Courses within /outside the radius of 50m, 100m, 150m,200m, 250m, & 300m of the proposed mining area. 2. A detailed report on 'Environmental Impacts due to the proposed quarrying operation on the ecology of the area prepared by a reputed institute. <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 09.02.2023.</p>
19.	Proposed Rough stone quarry project over an extent of 2.04.0Ha in S.F.Nos. 46/2 at Panniamalai Village, Natham Taluk, Dindigul District, Tamil Nadu by Thiru. N.Ranjith - For Environmental Clearance	8982	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. 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 quantity of 195,695 Cu.m of Rough Stone and the annual peak production shall not exceed 40350 Cu.m of Rough Stone by restricting the depth of mining upto 35m AGL as per the mine plan</p>


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		<p>approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations,
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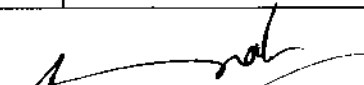
			<p>Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p> <p>5. 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>6. The project proponent shall spend EMP cost of Rs. 224.56 Lakhs as committed for the period of 5Years.</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 accepted by the Project proponent, the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the committed activities for the Panchayat Union Primary School, Samuthirapatti as committed, before obtaining CTO from TNPCB.</p> <p>8. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB.</p>
20.	Proposed Rough stone quarry project over an extent of 1.25.0 Ha in S.F.No. 12/3(BIT-2) at	8992	The authority noted that the subject was appraised in 353 rd SEAC meeting held on 09.02.2023. SEAC has furnished its recommendations for granting


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<p>Appanallur Village, Thottiam Taluk, Trichy District, Tamil Nadu by Selvi. D. Rojini - For Environmental Clearance.</p>	<p>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 production quantity of 97,573 m³ of Rough stone and 4,554 m³ of Gravel but not exceeding an annual peak production of 20,007 m³ of Rough stone up to an ultimate depth of 19m 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. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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>as per the O.M of MoEFCC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
21.	Proposed Rough Stone quarry Lease over an extent of 4.48.5 Ha at S.F.No. 4/3, 4/4 & 6(P) in Kariyasandiram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Gunin Infrastructures LLP – For Environmental Clearance.	9091	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023 and the SEAC decided to call for additional particulars as follows</p> <p>i) Since the lease earlier belonged to M/s. Ultra Tech Cements Ltd, the transfer of lease shall be registered and a copy of the same shall be submitted.</p> <p>ii) During the presentation, the committee noted that the proponent has proposed a bench height of 7m. As per Metalliferous Mines Regulation 1961, under Chapter XI, 106 (2) (a)</p> <p><i>“..... the face shall be benched and the sides shall be sloped at an angle of not more than 60</i></p>


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			<p><i>degrees from the horizontal. The height of any bench shall not exceed six meters and the breadth thereof shall not be less than the height."</i></p> <p>Hence the Committee decided that the proponent shall submit a revised mining plan approved by the AD Mines of Geology & Mining Department with revised bench height & width in accordance with MMR 1961.</p> <p>iii) The PP shall submit the Slope Stability Action Plan for the existing pit conditions.</p> <p>iv) The proponent shall formulate Environmental Management Cell and shall furnish details on the Environmental Management Policy.</p> <p>v) The proponent shall revise the CER as suggested and shall furnish details on the same.</p> <p>After receipt of the above particular(s), further deliberations will be done.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 09.02.2023.</p>
22.	Proposed Rough Stone Quarry lease over an extent of 1.11.5 Ha in S.F.Nos.7/1(P),7/4 & 8/3 Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu by Thiru.B.Amanullah-Environmental Clearance	9174	<p>The authority noted that the subject was appraised in 353rd SEAC meeting held on 09.02.2023. 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 quantity of 44,846m³ of Rough stone but not</p>


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exceeding an annual peak production of 18,074 m³ of Rough stone up to an ultimate depth of 17m 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.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of


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			<p>SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p> <p>5. 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>6. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB.</p>
23.	Proposed Rough stone and gravel quarry lease over an extent of 2.45.0 Ha at S.F.No. 112/1A & 113/2, Thulaiyanur Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Balu - For Environmental Clearance.	9264	<p>The Authority noted that the subject was appraised in 353rd meeting of SEAC held on 09.02.2023. 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 quantity of 2,45,280 m³ of Rough Stone and 31,722 m³ of Gravel by restricting the depth of mining up to 29m as per the mine plan approved by the</p>


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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. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEFCC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.


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			4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.
24.	Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha (Govt.Poramboke Land) in S.F.No. 481/2 (part-1), Musuvanoothu Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru M. Bose- For Environmental Clearance	9284	<p>The Authority noted that this proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA TN to obtain following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. This proposed area seen to be densely vegetated hillock; hence the PP shall furnish detailed inventory about impact of mining. 2. The approved mining plan submitted by the PP is reported that there is no major flora, fauna and valuable trees. But the kml uploaded by the PP shows that existence of dense flora and fauna. 3. Hence, the flora and fauna to be listed by the PP and furnish the same. The action taken report also needed. 4. The PP shall furnish detailed impact study on soil erosion, agricultural activities and drainage pattern. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the</p>


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			minutes to the project proponent.
25.	Proposed Rough Stone Quarry Project over an Extent of 2.00.0Ha in S.F.Nos.481/2(part – 2) of Musuvanoothu Village, Nilakottai Taluk, Dindigul District Tamil Nadu by ThiruS.Simeon Raja– For Environmental Clearance.	9285	<p>The Authority noted that the subject was appraised in 353rd meeting of SEAC held on 09.02.2023. 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 quantity of 3,63,055 m³ of Rough Stone by restricting the depth of mining up to 60m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines 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 as per the O.M of MoEFCC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
26.	Proposed Rough stone and Gravel quarry project over an extent of 1.51.0 Ha in S.F.Nos. 132/1, 132/2A, 132/2B, 132/3 & 132/4 at Chetthuppattu Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu by Thiru. C. Saravanan - For Environmental Clearance.	9693	<p>The Authority noted that the subject was appraised in 353rd meeting of SEAC held on 09.02.2023. The SEAC directed the Project Proponent to furnish certified compliance report for the earlier EC. On receipt of the same the proposal will be taken up for further deliberations.</p> <p>The Authority decided to request the Member Secretary, SEIAA TN to communicate the aforesaid SEAC minutes to the Proponent.</p>
27.	Proposed Rough stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 506/2(Part) (Govt.	9713	<p>The Authority noted that this proposal was placed for appraisal in this 353rd Meeting of SEAC held on 09.02.2023 and SEAC noted that Cauvery South</p>

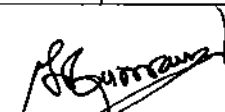

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	<p>Poramboke land), P.Chettihalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by Tmt. R.Oviyam- For Environmental Clearance.</p>		<p>Wildlife Sanctuary is located within 10km radius & its ESZ is yet to be notified. Hence, the Committee decided to seek the following details from the PP.</p> <ul style="list-style-type: none"> The PP shall obtain NBWL clearance for Cauvery South Wildlife Sanctuary, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022. <p>On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 09.02.2023.</p>
<p>28.</p>	<p>Proposed Rough Stone & gravel quarry lease area over an extent of 0.58.0 Ha at S.F No.175/1 & 175/2, Erumaiyur Village, Kundrathur Taluk (Formerly sriperumbudur), Kancheepuram District by Thiru.S.Ravisundar- For Terms of Reference.</p>	<p>9717</p>	<p>The authority noted that this proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2022. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minute.</p> <ol style="list-style-type: none"> The activity should not result in CO₂ release and temperature rise and add to micro climate alternations. 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.


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			<ol style="list-style-type: none"> 3. The proponent shall ensure that the activity does not disturb Soil health & bio-diversity, Climate change leading to Droughts, Floods etc. 4. The proponent shall ensure that the activity does not Pollute leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people. 5. The proponent shall ensure that the activity does not make the Possibilities of water contamination and impact on aquatic ecosystem health. 6. The trees present in the site shall be protected, replanted elsewhere. 7. The PP shall study the impact on Invasive Alien Species (IAP).
29.	Proposed Rough stone and Gravel Quarry lease over an extent of 2.70.0 Ha at S.F.Nos. 471/1 of Chockkalingapuram Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru. G. Karuppanan- For Terms of Reference Amendment.	9382	<p>The Authority noted that, Terms of Reference was issued to Thiru. G. Karuppanan vide Lr No. SEIAA-TN/F.No.9382/SEAC/1(a)/ToR- 1306/2022 dated: 28.11.2022.</p> <p>Subsequently, the proponent has requested for amendment in online through Parivesh portal vide SIA/TN/IND/297190/2023 Dated: 31.01.2023 in the village name which was inadvertently mentioned as "Melur/ Chockkalingapuram Village".</p> <p>Hence, based on the above, authority after detailed discussion decided to issue amendment to the village name which may be read as Chockkalingapuram Village.</p> <p>All other conditions and the validity issued vide ToR dated 28.11.2022 remains unaltered and unchanged.</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

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.


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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.
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.


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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.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical


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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 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


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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.
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.


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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 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


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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 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


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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.
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


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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.,
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.


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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

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.


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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.
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.

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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 & 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.


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