

MINUTES

648th MEETING

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


Date: 22.08.2023

**MINUTES OF THE 648th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 22.08.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 647 th meeting of the Authority held on 21.08.2023.		The minutes of the 647 th meeting of the Authority held on 21.08.2023 was confirmed.
b)	The Action taken on the decisions of the 647 th meeting of the Authority held on 21.08.2023.		The Member Secretary informed that 647 th Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Existing Rough Stone lease over an extent of 1.51.0 Ha at S.F.No. 132/1,2A,2B,132/3 and 132/4 in Chethuppattu Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu by Thiru.C. Saravanan – For Environment Clearance. (SIA/TN/MIN/412327/2023)	9693	<p>The Authority noted that the subject was placed in the 397th meeting of SEAC held on 03.08.2023 and the SEAC has furnished its recommendation for the grant of 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 48920 m³ of Rough stone upto the depth of 37m BGL and the annual peak production should not exceed 12675 m³ of Rough stone as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</p>


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		<p>1807(E) 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 mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also
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			should be brought to the notice of concerned authorities during inspections.
2.	Existing Rough stone and Gravel quarry lease over an extent of 1.53.5 Ha of Patta land in S.F. No: 210/7C1, 210/8A1B of Melur Village of Kulathur Taluk of Pudukkottai District Tamil Nadu by Thiru M. Nallaiyah - Terms of Reference. (SIA/TN/MIN/414495/2023)	9742	<p>The Authority noted that the subject was placed in the 397th meeting of SEAC held on 03.08.2023 and the SEAC has furnished its recommendation for the grant of Terms of Reference for EIA study (next scheme of mining) subject to the conditions stated therein.</p> <p>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"> 1. The project proponent shall prepare mine closure plan considering quantity of Topsoil & Weathered rock. If any. 2. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
3.	Proposed Red Earth and Pebbles quarry lease over an extent of – 2.10.0 Ha Government Land S.F.No. 58/1(Part-II) of Kallamedu Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu by Thiru. S. Manoharan– For	9770	<p>The Authority noted that the subject was placed in the 397th meeting of SEAC held on 03.08.2023 and the SEAC has furnished its recommendation for the grant of 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</p>

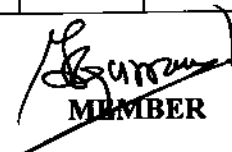

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	<p>Environmental Clearance. (SIA/TN/MIN/429810/2023)</p>	<p>safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 28858 m³ of Red Earth and 19238m³ of Pebbles upto the depth of 3m (1mAGL +2m BGL) and the annual peak production should not exceed 14525 m³ of Red Earth and 9683 m³ of Pebbles as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
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			<p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
4.	Existing Grey granite (Paradiso) Quarry over an Extent of 2.78.5 Ha of Patta land in S.F.No. 382/5A, 382/5B, 382/6A, 382/6B, 382/6C, 382/7A, 382/7B, 382/8, 382/9A, 382/9B, 382/9C, 382/10 and 382/11, Chendarapalli Village, Krishnagiri Taluk and District, Tamil Nadu by Thiru. B.K. Murali- For Terms of Reference under Violation. (SIA/TN/MIN/23602/2018)	9791	<p>The Authority noted that the subject was placed in the 397th meeting of SEAC held on 03.08.2023 and the SEAC has furnished its recommendation for the grant of Terms of Reference (ToR) with Public Hearing under Violation category for EIA study along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority accepted the recommendation of SEAC and decided to grant Terms of Reference (ToR) with Public Hearing under Violation category for EIA study along with assessment of ecological damage, remediation plan and natural and community</p>


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			<p>resource augmentation plan subject to the ToR as recommended by SEAC & standard ToR in addition to the conditions in 'Annexure B' of this minute.</p> <ol style="list-style-type: none"> 1. The Member Secretary, SEIAA to write to the State Government/TNPCB to take credible action under the provisions of Section 19 of the Environment (Protection) Act, 1986 against the Project proponent as per the EIA Notifications dated: 14.03.2017 and 08.03.2018. 2. The project proponent shall prepare mine closure plan considering quantity of Topsoil & Weathered rock, if any. 3. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
5.	<p>Proposed Gravel quarry lease over an extent of 4.68.0ha in S.F. No. 24/2 (P) & 25/1B1C at Silambinathanpettai Village, Panruti Taluk, Cuddalore District Tamil Nadu by Tmt. P. Indira - For Environmental Clearance. (SIA/TN/MIN/401732/2022)</p>	9532	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,29,589m³ of Gravel up to the depth of 42m BGL and the annual peak production should not exceed 51,015m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal</p>


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		<p>conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise
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			for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
6.	Proposed Rough Stone and Gravel quarry over an extent of 3.08.0 Ha in S.F.No. 178/1B(P), 178/2A2(P), 178/2B(P), 179/3B(P) & 179/4B(P) of Ottapidaram Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru S. Pachaimal- for Environmental Clearance. (SIA/TN/MIN/411892/2022)	9687	<p>The authority noted that the subject was appraised in 397th SEAC meeting held on 03.08.2023.</p> <p>Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details</p> <p>1. The proponent shall furnish the Mining Plan duly approved by the Competent Authority after having incorporated all the suggestions/recommendations given in the study report.</p> <p>Upon the receipt of above said details, further deliberation shall be done. Hence, the proponent is advised to submit the additional documents/information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In view of the above, the Authority, after deliberations decided to request Member Secretary, SEIAA to communicate the minutes of 397th SEAC meeting to the project proponent.</p>
7.	File No: 9708 Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 0.84.0 Ha at SF.No. 50/18(Part) of Amburpettai Village, Vaniyambadi Taluk, Thirupathur District, Tamil Nadu by Thiru. B. Suresh - For Environmental Clearance. (SIA/TN/MIN/412508/2022) The authority noted that the subject was appraised in 397 th SEAC meeting held on 03.08.2023. Earlier, the proposal was placed in the 371 st meeting of SEAC held on 26.04.2023. Based on		


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the presentation and documents furnished by the proponent, SEAC decided to call for additional details

1. The PP shall carry out a survey and enumerate the structures located within 50m, 100m, 200m and 300m radius of the proposed site, with details such as nature of structure, use, occupation, etc.
2. The proponent shall furnish the transport route that will be used to transport material from the quarry.
3. The proponent shall furnish the details of the location of the crusher and the transport route.

Now, the proposal was again placed in the 397th SEAC meeting held on 03.08.2023. Based on the presentation and document furnished by the proponent, SEAC noted that

S.No.	Range	No. of Structures
1.	0-50m	0
2.	50-100m	0
3.	100-150m	1
4.	150-200m	9
5.	200-250m	3
6.	250-300m	9
	Total	22

As per the enumeration study,

1. There are 22 structures located within the 300m radius from the proposed quarry site.
2. One structure is located in the range of 100-150m.
3. Remaining 21 structures (95%) are located in the range of 150-300m radius.

Hence, this proposal attracts the following legal implications:

- (i) Under the provisions of Tamil Nadu Minor Mineral Concession Rules, 1959, Rule 36 (1-A)

(a) says

".... No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site: Provided that the existing quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai".

Similarly, Rule 36 (1-A) (c) also indicates

".... No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and


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Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining (DGM) shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such ,clearance....”.

Hence, in view of the existence of many structures and cement brick manufacturing unit located around the quarry as also considering the fact that there is also a stone crusher unit functioning nearby, the SEAC decided that the proposed mine will further deteriorate the environment and therefore, decided to not to recommend the proposal for the grant of Environmental Clearance.

In view of the above, the Authority, after deliberations decided to request Member Secretary, SEIAA to issue rejection letter as per the minutes of 397th SEAC meeting.

8.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.21.45 Ha at S.F.Nos. 476/2 (P) & 476/3(P) of Kaliyal Village, Vilavancode Taluk, Kanniyakumari District, Tamilnadu by Thiru. S. Dhas – For Environmental Clearance. (SIA/TN/MIN/419735/2023)	9861	The authority noted that the subject was appraised in the 397 th SEAC meeting held on 03.08.2023. During the meeting, the Committee noted that the project proponent was absent and hence the subject was not taken up for discussion. Further, the SEAC decided that the proponent shall furnish reason for absence. In view of the above, the Authority, after deliberations decided to request Member Secretary, SEIAA to communicate the minutes of 397 th SEAC meeting to the project proponent.
9.	Proposed Rough Stone & Gravel quarry lease over an extent of 4.47.5 Ha at S.F.Nos. 1067/1(Part), 1067/2(Part) & 678 (Part) of Thennilai West Village, Pugalur Taluk, Karur District, Tamil Nadu by Thiru.T.Ponnusamy – For Environmental Clearance. (SIA/TN/MIN/421945/2023)	9908	The authority noted that the subject was appraised in the 397 th SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of


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4,72,521m³ of rough stone up to the depth of 50m below ground level and the annual peak production should not exceed 1,15,480 m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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


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			<p>compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
10.	<p>Proposed Ordinary Earth quarry lease over an extent of 1.05.5 Ha at SF. No. 367(P) of Ervadi Village, Keelakarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. M. Nagarethinam- For Environmental Clearance. (SIA/TN/MIN/402659/2022).</p>	9555	<p>The authority noted that this proposal was placed for appraisal in 397th meeting of SEAC held on 03.08.2023. The reply furnished by the PP was not satisfactory to the query raised in earlier 362nd SEAC meeting held on 13.03.2023. Hence SEAC decided to seek the following details from the project proponent.</p> <ol style="list-style-type: none"> 1. The kml file was unviewable. The PP shall upload the correct viewable kml file in Parivesh website. 2. The PP carry out the geological assessment to identify mineralization, to establish continuity, quality and quantity of mineral mineral deposit, particularly, the presence of heavy minerals in the Teri sand (red earth) such as ilmenite, rutile, lucoxene, garnet, monazite, zircon and sillimanite, etc. Hence the PP shall furnish the report through the systematic sampling in the proposed site with showing geological coordinates and the mineralogical analysis obtained as per the


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			<p>procedures laid in accordance with the provisions of Atomic Minerals Concessional Rules, 2016 through the laboratory of IREL (India) Limited, Research Centre, Beach Road, Kollam, Kerala (or) through CSIR NML Madras Centre, CSIR Madras Complex (SERC Campus), Taramani, Chennai.</p> <p>3. 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>4. The proponent shall produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the Hon'ble Madurai Bench of Madras High Court.</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 03.08.2023.</p>
11.	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. (SIA/TN/MIN/413535/2023)	9766	<p>The authority noted that this proposal was placed for appraisal in 397th meeting of SEAC held on 03.08.2023. Based on the presentation made by the proponent, the SEAC recommend the proposal for grant of EC.</p> <p>After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p>


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			<p>1. Since the structures are situated within a radial distance of 300 m, the PP shall submit an affidavit that the mining operation will be carried out strictly with only non-explosive quarrying operation including hand-breakage by chiselling & hammering, usage of rock breakers, rippers, hydraulic fracturing, and chemical static expansion agents.</p> <p>2. The PP shall furnish the Mining Plan modified accordingly and duly approved by the competent authority by indicating only non-explosive rock breakage techniques.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
12.	<p>Proposed Black granite quarry lease over an extent of 1.90.0 Ha S.F.Nos. No. 802/3B1, 803/1, 803/2, 804/2, 804/3, 805/1 (P), 805/2 & 831/2 (P), Irudukottai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Seven Hills Black Granite – For Environmental Clearance. (SIA/TN/MIN/405609/2022)</p>	9571	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,03,170 m³ ROM which includes 20,634 m³ of Black Granite (20% recovery) & 82,536 m³ of granite waste (80%) up to the depth of 33.5m below ground level and the annual peak production should not exceed 26,220 m³ RoM which includes 5244 m³ of Black Granite &</p>

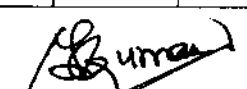

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		<p>20,976 m³ of granite waste. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
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			<p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
13.	<p>Proposed Red Soil Quarry lease over an extent of 3.70.5 Ha at S.F.Nos. 263/2, 264/3C, Iruvelli Group Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. J. Nagavinoth - for Environmental Clearance. (SIA/TN/MIN/403055/2022)</p>	9585	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. During, the meeting, the committee observed that the reply furnished by the PP was not satisfactory to the query raised in earlier 362nd SEAC meeting held on 13.03.2023. Hence SEAC decided to seek the following details from the project proponent.</p> <p>1. The PP carry out the geological assessment to identify mineralization, to establish continuity, quality and quantity of mineral mineral deposit, particularly, the presence of heavy minerals in the Teri sand (red earth) such as ilmenite, rutile, lucoxene, garnet, monazite, zircon and sillimanite, etc. Hence the PP shall furnish the report through the systematic sampling in the proposed site with showing geological coordinates and the mineralogical analysis obtained as per the procedures laid in accordance with the provisions of Atomic Minerals Concessional Rules, 2016 through the</p>


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			<p>laboratory of IREL (India) Limited, Research Centre, Beach Road, Kollam, Kerala (or) through CSIR NML Madras Centre, CSIR Madras Complex (SERC Campus), Taramani, Chennai.</p> <p>2. 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>3. The proponent shall produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the Hon'ble Madurai Bench of Madras High Court.</p> <p>Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p> <p>In view of the above, the Authority decided to request Member Secretary, SEIAA to communicate the minutes of 397th SEAC meeting to the project proponent.</p>
14.	Proposed Rough Stone & Gravel Quarry lease over an extent of 3.46.60 Ha at S.F.Nos. 161/1A(pt) of Therku Ilandaikkulam Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. K.M.S. Peer Mohideen – for	9746	The authority noted that the subject was appraised in the 397 th SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.


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	Environmental Clearance. (SIA/TN/MIN/414588/2023)		The Authority, after detailed discussions decided to consider the proposal after obtaining the following particulars from the project proponent: 1. On review of the KML file, it was noticed that a wind mill is located at an aerial distance of 90m and a farm house is located at an aerial distance of 286m from the proposed quarry site. In this regard, the proponent is requested to furnish NOC obtained from the Director, DGMS.
15.	Existing Rough Stone and Gravel quarry lease area over an extent of 2.63.0 Ha at S.F.Nos. 202/1 (P) & 202/2 (P) of Ekkattampalayam Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru. P. Mahendran - For Environmental Clearance. (SIA/TN/MIN/430225/2023)	10091	The authority noted that the subject was appraised in the 397 th SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussion, Authority decided to defer and decided to call for the following: 1. It was noticed that as on date the SEIAA has considered the proposal as cluster area since the 2 applicants namely Tmt.G.Banugopal (0.85.0 Ha applied vide Online Proposal No. SIA/TN/MIN/60175/2021 dated: 25.01.2021) & Thiru.P.Venkatachalam (1.05.0 Ha applied vide Online Proposal No. SIA/TN/MIN/60251/2021 dated: 27.01.2021) has furnished withdrawal request letter for their ToR proposals vide letter dated 15.07.2023. Only after consideration of their ToR withdrawal request, the said proposal can be considered by the SEIAA. In this regard, the applicants namely


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			Tmt.G.Banugopal & Thiru.P.Venkatachalam are requested to furnish justification for withdrawal of ToR.
16.	Proposed Rough Stone, Gravel & Weathered Rock quarry lease over an extent of 0.75.50Ha in S.F.Nos.407/2 Thulaiyanur Village, Thirumayam Taluk, Pudukottai District, Tamil Nadu by Thiru. A. Chinniah- for Environmental Clearance. (SIA/TN/MIN/247919/2021)	9290	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC noted that the reasons furnished by the AD Mines was unsatisfactory & unacceptable and besides, the proponent has not maintained benches, quarry wall & haulage roads properly in accordance with the applicable mining laws while carrying out the blasting, excavation and transportation operations for the safety of employees & general public during the previous spell of quarry operation. Hence, keeping the safety and environmental aspects in mind, the SEAC decided not to recommend the proposal for grant of Environmental Clearance.</p> <p>In view of the above, the authority after detailed discussion decided unanimously to accept the recommendation of SEAC, hence this proposal seeking EC is not recommended and stands rejected.</p>
17.	Proposed Rough Stone and Gravel Quarry lease over an extent of 1.17.5Ha S.F.No.116/2B1C, Machipalayam Village, Madukkarai Taluk, Coimbatore District by Tmt.V.Palaniammal - For Environmental Clearance. (SIA/TN/MIN/409056/2022)	9629	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC noted that the proponent has proposed a quarry involving blasting and HEMM operations. Considering the fact that Muthukkarai Pachapalayam Village is located at a distance of 250m and a check dam built across the Kumittiipathi Odai/river is situated at 50m from the existing quarry lease boundary, the SEAC decided</p>


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			<p>not to recommend the proposal for grant of Environmental Clearance.</p> <p>In view of the above, the authority after detailed discussion decided unanimously to accept the recommendation of SEAC, hence this proposal seeking EC is not recommended and stands rejected.</p>
18.	<p>Proposed Rough Stone & Gravel Quarry lease over an extent of 1.71.5Ha S.F.No.116/2B1B & 116/3A2, Nachipalayam Village, Madukkarai Taluk, Coimbatore District by Thiru. A. Palanisamy – for - Environmental Clearance. (SIA/TN/MIN/413321/2023)</p>	9733	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC noted that the proponent has proposed a quarry involving blasting and HEMM operations. Considering the fact that Muthukkarai Pachapalayam Village is located at a distance of 250m and a check dam built across the Kumittiipathi Odai/river is situated at 50m from the existing quarry lease boundary, the SEAC decided not to recommend the proposal for grant of Environmental Clearance.</p> <p>In view of the above, the authority after detailed discussion decided unanimously to accept the recommendation of SEAC, hence this proposal seeking EC is not recommended and stands rejected.</p>
19.	<p>Proposed Gravel quarry lease over an extent of 4.58.5 Ha at S.F.No. 365/1A & 365/2 Metrathi Village, Madhathukulam Taluk, Tiruppur District, Tamil Nadu by Thiru.A Ravuthar - for Environmental Clearance. (SIA/TN/MIN/271908/2022)</p>	9269	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC noted that the proponent was absent for the meeting informing that yet to obtain additional details requested by SEAC/SEIAA. Hence, SEAC decided to defer the proposal.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to</p>


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			communicate the SEAC minutes to the project proponent held on 03.08.2023.
20.	Proposed Rough Stone & Gravel Quarry lease over an extent of 2.15.0Ha S.F.No.538 (Part), Thennilai East Village, Pugalur Taluk, Karur District by M/s. Sri Balamali Murugan Blue Metals – for Environmental Clearance. (SIA/TN/MIN/414121/2023)	9838	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC decided to call for following additional particulars</p> <ol style="list-style-type: none"> 1. The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein. 2. The details of Existing pit dimension, quantity of the mineral quarried and last transport permit for the earlier lease period from Dept. Of Geology & Mining. 3. The Details of penalty levied from Dept. Of Geology & Mining, if any. 4. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc. 5. Since the quarry is existing with a depth of excavation of 22 m without benches of appropriate dimension (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall carry out a 'Slope Stability Assessment Studies' for the existing conditions of the quarry wall by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM -


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			<p>Bengaluru, IIT-Madras, NIT Surathkal – Dept of Mining Engg, and Anna University Chennai –Dept of Mining Engg. The above studies shall spell out ‘a ‘Slope Stability Action Plan’ for the proposed quarry covering the existing condition of the quarry wall including the overall pit slope angle and it shall cover the aspects of stability of quarry walls including the access ramp keeping the benches intact.</p> <p>6. The Revised EMP for the life of the mine including mine closure plan.</p> <p>In view of the above, the authority decided that SEAC may examine whether there are any office memorandum/ notifications in connection to withdraw of ToR already granted, since the PP has not disclosed the history and submitted fresh application seeking EC under B2 category for a smaller area. The PP request for withdraw of ToR to avoid public hearing may be examined and authority feels no case to consider this request of PP.</p>
21.	<p>Proposed Rough Stone & Gravel quarry lease over an extent of 4.07.5 Ha (patta land) at S.F. Nos: 1/1, 1/2, 1/3 & 4/1 of Pallakapalayam Village, Kumarapalayam Taluk, Namakkal District, Tamil Nadu by Thiru.K. Palanisamy -For Environmental Clearance (SIA/TN/MIN/289439/2022).</p>	9467	<p>The Authority noted that the subject was appraised in the 397th meeting of SEAC held on 03.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p>


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			<p>1. Earlier, lease was granted for a period of 5 years. The lease deed was executed on 18.02.2017 and lease period valid from 18.02.2017 to 17.02.2022. Hence, the PP shall submit a Copy of valid mining lease approval obtained from the competent Authority.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
22.	Proposed Rough Stone & Gravel lease over an extent of 1.00.0 Ha (patta land) at S.F.Nos: 35/2 (P) of Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Tmt. K. Subbulakshmi -For Environmental Clearance (SIA/TN/MIN/410939/2022).	9657	<p>The Authority noted that the subject was appraised in the 397th Meeting of SEAC held on 03.08.2023. SEAC had noted the following during the presentation made by the PP;</p> <ol style="list-style-type: none"> 1. SEAC noted that there are many structures as below. <ul style="list-style-type: none"> ▪ In 50 – 100m radius – Railway line connecting Tiruppur-Erode. ▪ In 100 – 200m Radius – 1 Temple. ▪ In 200 – 300m Radius - 11 Houses, 14 sheds, 2 Tank, 6 Tiled Roof House, 1 temple, 1 asbestos shed, 1 crusher. 2. There are considerable number of structures located nearby may be disturbed due to the proposed quarrying activities in terms of dust, noise and water pollutions. 3. The proposed quarry site is important or sensitive for ecological reasons – wet lands, water sources or other water bodies, coastal zone, biospheres,


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mountains, flora & fauna, etc.

4. Further, the Reg. 109 of Metalliferrous Mines Regulations 1961 (MMR 1961) states that

"..... Workings under railways and roads, etc. – (1) No workings shall be made and no work of extraction or reduction of pillars shall be conducted at, or extended to, any point within 45 metres of any railway, or of any public works in respect of which this regulation is applicable by reason of any general or special order of the Central Government, or of any public road or building, or of other permanent structure not belonging to the owner of the mine, without the prior permission in writing of the Chief Inspector and subject to such conditions as he may specify therein....."

Based on the presentation, documents and on careful examination of reply furnished by the project proponent. SEAC noted that the proponent has proposed a quarry in greenfield area, involving blasting and HEMM operations near populated habitations as furnished by the PP.

Considering the proximity and sensitivity of the habitation and temple located within a radial distance of 300m and a railway track which is situated at 50 to 100m range from the existing quarry lease boundary, the SEAC decided **not to recommend** the proposal for grant of Environmental Clearance.

Further, the Authority noted that the proponent had submitted a representation vide letter dated: 23.08.2023 to reconsider the proposal for grant of


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			<p>EC.</p> <p>SEIAA accepts the decision of SEAC but decided to forward proposal to SEAC for perusal on the representation received by the O/o. SEIAA for further course of action.</p>
23.	<p>Proposed Rough stone quarry lease over an extent of 2.00.0 Ha (Govt. Poramboke land) at S.F. No.67 (Part) of Kunniyur Village, Kallakurichi Taluk, Viluppuram District, Tamil Nadu by Thiru. K.Sakthivel -For Environmental Clearance (SIA/TN/MIN/415853/2023).</p>	9783	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 3,17,854 m³ of rough stone up to the depth of 45m (5m AGL + 40m BGL) and the annual peak production should not exceed 64,695 m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <p>The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p>


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		<p>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>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>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>The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>As accepted by the Project Proponent the CER cost of Rs. 7 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Kunniyur Village before obtaining CTO from TNPCCB.</p> <p>Since the Govt. Elementary School is located at a distance of 500 m from the proposed site, the Project Proponent shall also install necessary dust and noise extraction system around the Northern side of the proposed quarry site using long wind</p>
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			sheets with proper enclosures before obtaining the CTO from TNPCB and the amount allotted for the same shall be included in the EMP.
24.	Proposed Rough Stone & Gravel lease over an extent of 2.27.0 Ha at S.F.No's: 11/1B, 11/2A, 11/2B & 12/2F3 of Vellalapatty Village, Omalur Taluk, Salem District, Tamil Nadu by Thiru C.Nallayan - For Environmental Clearance (SIA/TN/MIN/404490/2022).	9609	<p>The Authority noted that the subject was appraised in the 397th Meeting of SEAC held on 03.08.2023. Based on the presentation and documents furnished by the proponent, SEAC noted the following,</p> <ol style="list-style-type: none"> i. There are considerable number of structures/habitations located within 300m radius may be disturbed due to the proposed quarrying activities in terms of dust, noise and water pollutions. ii. The proponent has not maintained any safety zone/barrier and proper benches during the mining operations carried out in the earlier EC period. iii. The PP had carried out the mining operation in an unsystematic and highly unscientific manner during the previous EC period. iv. From the letter issued by the Deputy Director, Dept. of Geology and Mining vide Roc.No.371/2022/Mines-B dated:30.05.2023, it is learnt that the PP exceeded the permitted quantity and depth approved in the earlier EC period. Hence, the SEAC decided to refer SEIAA office to address letter to the Director, Dept. of Geology and Mining, Chennai for taking necessary action and assessment of penalty in accordance with the mineral laws.


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			<p>From the presentation made and documents submitted by the PP, the SEAC after having the detailed discussions and in view of the additional information now made available it is ascertained that the PP is unfit for carrying out further mining operations under the provisions of MMDR Act, 1957 and TNMMC Rules, 1959. Hence the SEAC decided strongly not to recommend the proposal for grant of Environmental Clearance.</p> <p>In view of the above, SEIAA accepts the decision of SEAC and decided to request the Member Secretary to address letter to the Director, Dept. of Geology and Mining, Chennai for taking necessary action and assessment of penalty in accordance with the mineral laws and to address letter to Government to take action against the project proponent under the provision of section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006.</p> <p>In light of the above, the Authority decided to request the Member Secretary to grant rejection letter to the proponent as per the 397th Meeting of SEAC held on 03.08.2023. Hence, this file may be closed and recorded.</p>
25.	Existing grey granite quarry lease over an extent of 2.85.5 Ha in S.F.Nos. 377/1B, 378/2, 377/2A, 378/1, 377/2B, 377/1A1B & 377/1A2 of Chendarapalli Village, Bargur Taluk (Formerly Krishnagiri), Krishnagiri District,	4947	<p>The authority noted that the subject was appraised in the 397th SEAC meeting held on 03.08.2023. Based on the presentation made by the proponent, the SEAC confirmed that the proposal qualifies for 'automatic extension' as per the OM Dated 13.12.2022 issued by the MoEF& CC.</p>

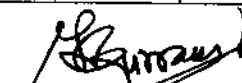

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<p>Tamilnadu by Thiru. A. Aameed – For Extension of validity in Environmental Clearance. (SIA/TN/MIN/194253/2021)</p>	<p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant extension to Environmental Clearance issued earlier dated.08.02.2016, for the quantity of 19,150 m³ of RoM which includes 4787m³ of granite recovery (@25%) & 14,363 m³ of granite waste up to the depth of 23m and the annual peak production should not exceed 990 m³ of granite recovery. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
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			<p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
26.	Proposed construction of Residential Building S.F.No.2373/3, etc in Thimmaraya Samudhram Village, Srengam taluk, Tiruchirappalli District, Tamil Nadu By Tmt. P.Bhavani, Executive Director, M/s. Navins Brindhavan, Aswini Apartments- for Environmental Clearance.	1773	<p>The Authority noted that this subject was earlier placed in the 565th Authority meeting held on 31.10.2022. After detailed discussions, the Authority decided the following,</p> <ol style="list-style-type: none"> 1. The MS, SEIAA-TN is requested to obtain present status of this proposal from the PP and TNPCB to check violation. 2. The file may be sent to record. <p>In this regard, as reported by TNPCB vide letter dated: 09.08.2023 the site was inspected on 18.07.2023 and the following were observed and reported:</p> <ul style="list-style-type: none"> • The location of site was found to be vacant • No Construction activity was observed in the said location.


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			<ul style="list-style-type: none"> Since the application seeking Environmental Clearance (EC) has been submitted by the Project proponent to SEIAA through offline dated: 27.09.2013, the details on the project Proponent could not accessed through the SEIAA website and the project proponent could not be communicated regarding the inspection. However, it was ascertained that (as informed by the occupants of M/s. Malaysian Car wash, located adjacent to the site) the proposed project was dropped by the project Proponent. <p>Based on the details submitted by the TNPCB, the subject was placed in 648th meeting of Authority held on 22.08.2023. After detailed discussions, the authority decided that the file may be closed and recorded.</p>
27.	Proposed Rough stone & gravel quarry over an extent of 4.95.60 Ha at S.F.No's : 4/1E2, 4/1E3, 4/1F (Part), 4/2A (Part) & 4/3 in Nallamur Village, Maduranthagam Taluk, Chengalpattu District, Tamil Nadu by Thiru. M.G.Surendranath Managing Partner of M/s.R.G.Minerals &Metals -For Environmental Clearance.	9946	<p>The authority noted that the subject was earlier appraised in the 387th SEAC meeting held on 28.06.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</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 7,34,600 m³ of rough stone & 1001 m³ of gravel up to the depth of 40m BGL and the annual peak production should not exceed 1,99,150 m³ of rough stone & 1001 m³ of gravel. This is also</p>


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subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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


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			recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
28.	Proposed Red Earth Quarry over an extent of 1.46.45Ha at at SF.No.51/7A1, 51/7B, 51/8A & 51/8B1 of Kadagampattu Village, Vanur Taluk, Villupuram District, Tamil Nadu by Mr.K.Vijayan - for Environmental Clearance.	9536	The authority noted that the PP has furnished reply dt: 03.08.2023 for the additional particulars sought 608 th in the authority meeting held on 05.04.2023 & 06.04.2023 in which AD, Dept. Geology & Mining in its letter Dt: 10.05.2023 has recommended for mineral name from Red Earth to Lateritic Soil (Red Soil) instead of Ordinary Earth as per G.O. (MS). No. 244 Dt:14.12.2022. In view of the above, after detailed discussions, the Authority decided to refer back the proposal to SEAC.
29.	Proposed Red Earth Quarry lease over an extent of 1.84.0Ha (Patta Land) at S.F.No.94/2H, Vadukanathankuppam Village, Viluppuram Taluk, Viluppuram District by Mr.V.Parasuraman - for Environmental Clearance.	9670	The authority noted that the PP has furnished reply dt: 03.08.2023 for the additional particulars sought 612 th in the authority meeting held on 17.04.2023 & 18.04.2023 in which AD, Dept. Geology & Mining in its letter Dt: 10.05.2023 has recommended for mineral name from Red Earth to Lateritic Soil (Red Soil) instead of Ordinary Earth as per G.O. (MS). No. 244 Dt:14.12.2022. In view of the above, after detailed discussions, the Authority decided to refer back the proposal to SEAC.
30.	Note To Consider Grant of Clearance Under CRZ, 2011 For the Proposed Construction of 3	5993	The authority noted that the Chairman (DLCZMA) / District Collector has furnished reply dt: 28.07.2023 received Dt: 04.08.2023 for the


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<p>Groynes at Keelavaippar Village, Vilathikulam Taluk, Thoothukudi District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRO, Special Project Division, Virudhunagar Under Category 'B2'- For CRZ Clearance - Regarding (SIA/TN/MIS/31159/2015)</p>		<p>additional particulars sought 328th & 335th in the authority meeting held on 01.08.2018 & 31.12.2018 stating that the works related to the some Groynes were completed and some were commenced yet to complete.</p> <p>In view of the above and the MoEF&CC OM Dt: 26.04.2022, authority after detailed discussions, the decided to refer back the proposal to SEAC.</p>
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Annexure 'A'

a) EC Compliance

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

b) Applicable Regulatory Frameworks

5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the Biological Diversity Act, 2002, Biological diversity Rules, 2004 & TN Forest Act, 1882 and


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Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

c) Safe mining Practices

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

d) Water Environment – Protection and mitigation measures

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.


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14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB:

e) **Air Environment – Protection and mitigation measures**

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

f) **Soil Environment – Protection and mitigation measures**

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.


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26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.
28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.

g) Noise Environment – Protection and mitigation measures

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

h) Biodiversity - Protection and mitigation measures

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.


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

i) Climate Change

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

j) Reserve Forests & Protected Areas

44. The activities should provide nature based support and solutions for forest protection and wildlife conservation.
45. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.
46. There should be no disturbance to the freshwater flow from the forest impacting the water table and wetlands.
47. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.
48. The project activities should not alter the geodiversity and geological heritage of the area.


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49. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.
50. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.
51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

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

l) Workers and their protection

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

m) Transportation

58. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly.


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Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

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

n) Storage of wastes

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

o) CER/EMP

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

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

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

p) Directions for Reclamation of mine sites

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

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

66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of


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- project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
 68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
 69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
 70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
 71. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
 72. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
 73. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
 74. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide


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adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. integration of rehabilitation strategies with mining plan will enable speedy restoration.

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

76. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

Annexure 'B'

Cluster Management Committee

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


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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

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.

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.


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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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