

MINUTES

618th MEETING

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

Date: 16.05.2023

**MINUTES OF THE 618th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 16.05.2023.**

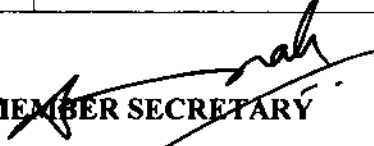
Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 617 th meeting of the Authority held on 15.05.2023.		The minutes of the 617 th meeting of the Authority held on 15.05.2023 was confirmed.
b)	The Action taken on the decisions of the 617 th meeting of the Authority held on 15.05.2023.		The Member Secretary informed that 617 th Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
I.	Proposed Multi-Colour Granite Quarry over an extent of 2.95.5 Ha in SF.No. 270/1(P), 271/A1A(P) & 278/1(P) at K.Pitchampatti Village, Karur Taluk, Karur District by Tmt.Nama Umadevi - For Environmental Clearance.	8637	<p>The authority noted that this proposal was placed for appraisal in 371st meeting of SEAC held on 26.04.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to grant Environmental Clearance for the quantity of 58,040m³ of RoM [34,824m³ of Multi-colour Granite @ Recovery 60% + 23,216m³ of Granite waste @ 40%] up to the depth of mining 33m 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> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental</p>


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		<p>Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
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			7. The project proponent shall store/ the granite waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.
2.	Proposed Rough Stone & Gravel Quarry over an extent of 2.65.0 Ha in SF.No. 27/2D & 27/2E at Kodangipalayam Village, Palladam Taluk, Tiruppur District by Tmt.S.Kavitha - For Environmental Clearance.	8644	<p>The authority noted that this proposal was placed for appraisal in 371st meeting of SEAC held on 26.04.2023. 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 decided to grant Environmental Clearance for the quantity of 2,64,190m³ of Rough stone and 24,044m³ of Gravel by restricting the depth of mining up to 42m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to


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			<p>ensure that they have all been adhered to and implemented.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
3.	Proposed Earth Quarry over an extent of 2.15.5 Ha in SF.No. 1524 at Seevalaperi Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu by Tmt. A.	9703	The authority noted that this proposal was placed for appraisal in 371 st meeting of SEAC held on 26.04.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.


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<p>Gurulakshmi - For Environmental Clearance.</p>	<p>After detailed discussions, the Authority decided to grant Environmental Clearance for the quantity of 25,532m³ of Earth up to the depth of mining 1.5m BGL for 3 years, as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 3 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-
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			<p>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.	Proposed Gravel Quarry over an extent of 1.30.5 Ha in SF.No. S.F.No.327/4 at Kundukkal Village of Kadayampatti Taluk, Salem District, Tamil Nadu by Thiru. P.Dharmalingam - For Environmental Clearance.	9711	<p>The authority noted that the subject was appraised in 371st SEAC meeting held on 26.04.2023. 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 restricted to 22636 m³ of gravel with an ultimate depth of mining upto 5m (4m AGL + 1m 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</p>


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

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


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			<p>committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 2 Lakhs and the amount shall be spent towards the Government Higher School, Kundukkal Village, Kadayampatti Taluk, Salem District for the activities as committed, before obtaining CTO from TNPCB.</p>
5.	Proposed Fire clay Quarry over an extent of 2.20.5 Ha in SF.No. 132/1F, 132/2A, 132/2B, 132/2C, 132/3, 132/4, 132/5 & 134/9 at Karai (East) Village, Alathur Taluk, Perambalur District, Tamil Nadu by Tvl. SS Minerals,- For Environmental Clearance.	9718	<p>The authority noted that the subject was appraised in 371st SEAC meeting held on 26.04.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of ROM - 341514 MT of Fireclay (95% recovery @ 324438 MT & 5% reject @ 17076 MT) with an ultimate depth of mining upto 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</p>


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

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


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			<p>committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Govt Hr Sec School, Karai Village, Perambalur District for the activities as committed, before obtaining CTO from TNPCB.</p>
6.	proposed Earth quarry over an extent of 1.84.0 Ha located at S.F.Nos.231/14C, 232/7, 232/8, 232/20, 242/1 & 242/6 of Velakapuram Village, Uthukottai Taluk, Thiruvallur District, Tamil Nadu by Thiru.R.Neruji -For Environmental Clearance	8472	<p>The Authority noted that this proposal was placed for appraisal in this 371st Meeting of SEAC held on 26.04.2023. The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.</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 26.04.2023.</p>
7.	Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. NTC Blue Metals LLP – For Environmental Clearance	8598	<p>The Authority noted that this proposal was placed for appraisal in this 371st Meeting of SEAC held on 26.04.2023. Based on the presentation made by the proponent, SEAC noted that there was a fatal accident in the mine operated by PP because the safety rules were not followed. Hence, the Committee decided to obtain the following from the PP.</p>


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			<p>i. The PP shall submit details of the accidents that occurred earlier in the proposed quarry.</p> <p>ii. A copy of enquiry report by the AD, G&M, on the above accidents.</p> <p>iii. The PP shall submit the details of criminal cases if any pending against the PP/mine.</p> <p>iv. The PP shall furnish the details of trees in the mining area and how many trees are proposed to be removed.</p> <p>On receipt of the above details, 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 26.04.2023.</p>
8.	Proposed Black Granite (Dolerite) Quarry over an extent of 4.91.5Ha (Government Poramboke land) at S.F.No.856 (Part) of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Tvl. Amman Granites -For Environmental Clearance.	9706	<p>The Authority noted that this proposal was placed for appraisal in this 371st Meeting of SEAC held on 26.04.2023. Based on the presentation made by the proponent, SEAC noted and decided to call for details as follows,</p> <p>1. Since the Cauvery South Wildlife Sanctuary is located within 10km & its ESZ is yet to be notified, the PP shall obtain and submit NBWL clearance.</p> <p>On receipt of the above details, 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 26.04.2023.</p>


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9.	Proposed Ordinary Earth quarry over an extent of 3.25.5Ha in S.F.No. 4(P) PWD Tank at Alapakkam Village, Uthukottai Taluk, Tiruvallur District Tamil Nadu by Thiru R.Boobalan- For Environmental Clearance	8522	<p>The Authority noted that the subject was appraised in 371st meeting of SEAC held on 25.04.2023. 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 29,295m³ of Ordinary Earth in PWD tank to an ultimate depth of 0.90 m in 55 days 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 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.
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			<p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <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> <p>7. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p>
10.	proposed of Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu -	8599	The Authority noted that the subject was appraised in 371 st meeting of SEAC held on 26.04.2023 and SEAC has sought certain additional details: The Authority decided to request the Member Secretary, SEIAA to communicate the minutes of the SEAC to the Project Proponent.


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	M/s.NTC Blue Metals LLP – For Environmental Clearance		
11.	Proposed Rough stone & Gravel quarry lease over an extent of 3.96.0 Ha S.F.Nos.799/1, 800 and 802/3 Karamadai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru K.Sundararaj – For Environmental Clearance	9089	<p>The Authority noted that the subject was appraised in 371st meeting of SEAC held on 26.04.2023 and SEAC has not recommended for the grant of Environmental Clearance to the project citing the following reason.</p> <p>On perusal of the KML file, it was noticed that the proposed mine lease area is the middle portion of the hillock surrounded by Government Poramboke land. Allowing mining on the top of the hillock will adversely impact the ecology, biodiversity, and its flora & fauna. The hillock forms an important component of the meteorology of the area and mining operation will lead to irreversible changes. The Committee, therefore, is of the opinion that any mining activity in this sensitive area will irreparably damage the environment. Furthermore, a public road is also passing very close to the site and, hence operation of the mine involving blasting will pose danger to the users of the road.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the decision of the SEAC to the Project Proponent.</p>
12.	Existing Grey Granite quarry lease (2nd scheme of mining) over an extent of 3.01.5Ha S.F.Nos. 131/1B2(Part), 136/2, 144/1, 144/2, 145/1 and 145/2 of Sivampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by	9707	<p>The Authority noted that the subject was appraised in 371st meeting of SEAC held on 26.04.2023. 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</p>


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	<p>Thiru A. Perumal – For Environmental Clearance</p>	<p>safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the extraction quantity of RoM - 66,336 m³ (Recovery of Granite @ 25% - 16,583 m³ and Granite Waste @75% - 49,753 m³) to the depth of 34m in 5 years 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 every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project
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			<p>Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The 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>7. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p>
13.	Proposed Gravel & Laterite quarry Lease over an extent of 4.28.5 Ha at S.F.No. 220/5A3 in Naduveerapattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. C. Murali – For Environmental Clearance.	9709	<p>The authority noted that the subject was appraised in the 371st SEAC meeting held on 26.04.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, after detailed deliberations decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <p>i) The proponent shall furnish a letter obtained from the Director, TN Agricultural Department regarding the productivity of the site and it's non-fitness</p>


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			<p>for agriculture so as to carry out laterite/gravel mining in the project site which is surrounded by agricultural lands.</p> <p>ii) The impact of laterite/gravel mining on the water table around the project site.</p> <p>iii) The proponent shall furnish details of vegetation/biodiversity present in the project site.</p>
14.	Proposed Rough Stone quarry lease area over an extent of Extent 0.74.0 Ha at SF.No. 63of Ayyapatti Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru. K.Ilayaraja- For Environmental Clearance.	8712	<p>The authority noted that the subject was appraised in 371st SEAC meeting held on 26.04.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 70,165m³ of rough stone for the depth of mining up to 20m (10m – AGL + 10m 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> <p>1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p>


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| | | <ol style="list-style-type: none">2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. |
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15.	Proposed Rough Stone & gravel quarry lease area over an extent of Extent 3.03.0 Ha at SF. No. 908 & 914 of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Subbaraman - For Environmental Clearance.	8999	<p>The proposal was placed in the 371st SEAC Meeting held on 26.04.2023.</p> <p>During the presentation SEAC observed that some of the structures from Google imagery, hence SEAC decided to call for the following details.</p> <p>1. The PP shall carry out a survey and enumerate the structures located within 50m, 100m, 200m and 300m radius from the proposed site, with details such as nature of structure, use, occupation, etc.</p> <p>Upon the receipt of above said details, further deliberation shall be done.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 371st SEAC held on 26.04.2023 to the project proponent.</p>
16.	Proposed Gravel & Laterite quarry lease area over an extent of Extent 3.78.0 Ha at SF.No. 23/4A2, 25/1B1B, 25/1B2, 25/3 & 25/4 of Silambinathanpettai Village, Panruti Taluk, Cuddalore District, Tamil Nadu by Thiru. S. Mohanraj - For Environmental Clearance.	9701	<p>The proposal was placed in the 371st SEAC Meeting held on 26.04.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following clarification.</p> <p>1. The 500m radius cluster letter issued by the AD Geology & Mines has not mentioned about the existence of adjacent quarries/ proposals located in the same village - for example lease granted to Tmt. P. Indira, S.Nos. 24/2(p) & 25/1B1C & Tmt. K. Bhuvaneshwari S.Nos. 265/1B2A, 265/2B2A, 265/2B1, 265/1B2B, 265/2B2B, 265/2A & 276/13. Hence the necessary clarification from AD Mines & Geology shall be furnished.</p>


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		<p>2. As per the approved Mining plan submitted by the proponent the proposed bench height and width is 2.5m.</p> <p>As per Metalliferous Mines Regulations, 1961 Chapter XI: Mine Workings</p> <p>106 Opencast workings – In opencast workings, the following precautions shall be observed, namely: -</p> <p>(i) In alluvial soil, moorum gravel, clay, debris or other similar ground -</p> <p>(a) (i) the sides shall be sloped at an angle of safety not exceeding 45 degrees from the horizontal or such other angle as the Regional Inspector may permit by an order in writing and subject to such conditions as he may specify therein; or</p> <p>(ii) the sides shall be kept benched and the height of any bench shall not exceed 1.5 metres and the breadth thereof shall not be less than the height:</p> <p>Hence, the proposed bench for the Gravel quarrying is more than that prescribed in the MMR, 1961 rules. Hence, the proponent is requested to revise the benches as per MMR, 1961.</p> <p>Upon the receipt of above said details, further deliberation shall be done.</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 371 st SEAC held on 26.04.2023 to the project proponent.
17.	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.	9708	<p>The proposal was placed in the 371st SEAC Meeting held on 26.04.2023.</p> <p>Based on the presentation and documents furnished by the proponent, SEAC decided to call for additional details</p> <ol style="list-style-type: none"> 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. <p>Upon the receipt of above said details, further deliberation shall be done.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 371st SEAC held on 26.04.2023 to the project proponent.</p>
18.	Proposed Grey Granite quarry lease area over an extent of Extent 2.02.5 Ha at SF.No. 1022(P), 1023/2(P), 1024/2(P), & 1028(P) of Puligunda Village, Bargur Taluk (Formerly Krishnagiri), Krishnagiri District, Tamil Nadu by Thiru. T.R.	9722	<p>The authority noted that the subject was appraised in 371st SEAC meeting held on 26.04.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific</p>


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Duraiselvam - For Environmental Clearance.

and systematic mining, decided to grant Environmental Clearance for the quantity of ROM – 3,000m³, Grey Granite 1,200 m³ @ 40% recovery & Granite Waste – 1,800 m³ @ 60% waste for the depth of mining up to 28m BGL as per the mine plan approved by the Department of Geology & Mining or a period of up to 2023-2024 (or) the expiry of the lease period whichever is earlier. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is valid only for Grey Granite @ 40% Recovery.
3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
5. The progressive and final mine closure plan including the green belt implementation and


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			<p>environmental norms should be strictly followed as per the EMP.</p> <p>6. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>7. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
19.	Proposed Rough Stone & Gravel quarry Lease over an extent of 2.46.0 Ha at S.F.No. 1265/5 (P), 1267/2A, 1267/2B, 1495/4 (P), 1495/5(P) & 1495/6(P) in Katchaikatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru. K. Ramesh – For Environmental Clearance.	8461	<p>The authority noted that the subject was appraised in the 371st SEAC meeting held on 26.04.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, during deliberations, noted that the proponent has uploaded different KML files in the ToR proposal (SIA/TN/MIN/61732/2021) & the EC proposal (SIA/TN/MIN/414513/2023). Hence, as per SEAC Specific condition no.2, the proponent shall upload the correct KML file in the PARIVESH Portal. On receipt of the same, further deliberations will be done.</p>

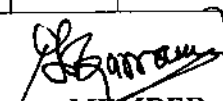

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20.	Proposed Rough Stone quarry Lease over an extent of 2.02.50 Ha at S.F.No. 619/5 (Part) in Karungalakudi Village, MelurTaluk, Madurai District, Tamil Nadu by Thiru. K. Ilayaraja – For Environmental Clearance.	9063	<p>The authority noted that the subject was appraised in the 371st SEAC meeting held on 26.04.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,80,375m³ of Rough Stone by restricting the depth of mining upto 30m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. As per Tamil Nadu Minor Mineral Concession Rules, 1959 under section V – Miscellaneous in para 36 (1-A) (c), the proponent shall obtain NOC from Director, Department of Geology & Mining before obtaining CTO from TNPCCB. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCCB on completion of every 5 years till the project life. They should also review the EC conditions to
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			<p>ensure that they have all been adhered to and implemented.</p> <p>4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>6. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>7. 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>
21.	Proposed Rough Stone & Gravel quarry Lease over an extent of 2.08.0 Ha at S.F.No. 59/2(P), 59/3(P), 59/4(P), 59/9(P), 59/10, 60/2 & 60/3 in Karattampatti	9702	The authority noted that the subject was appraised in the 371 st SEAC meeting held on 26.04.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.


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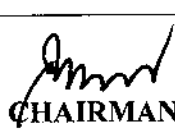
Village, Musiri Taluk, Trichy District, Tamil Nadu by Thiru. A. Andi – For Environmental Clearance.

After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of **1,50,885m³ of Rough Stone & 32,930m³ of gravel by restricting the depth of mining upto 17m from the 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.

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


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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>
22.	Proposed Black Granite (Dolerite) lease area over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl. Bannari Amman Sugars Limited- For Extension Environmental Clearance Amendment.	3776	<p>The Authority noted that this proposal was placed for appraisal in this 371st Meeting of SEAC held on 27.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 371st SEAC held on 26.04.2023 to the project proponent.</p>
23.	File No: 3777 Existing Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 & 786/1 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl.Bannari Amman Sugars Limited - For Extension of Validity of Environmental Clearance The proposal was placed in the 371 st SEAC Meeting held on 26.04.2023.		


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Based on the presentation made by the proponent and the documents furnished, the SEAC noted the following:

- Previous EC was issued vide Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016 to Tvl. Bannari Amman Sugars Limited for Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 and 786/1 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu for the production of 5299 cu.m Black Granite to a depth of 15.5m.
- MoEF&CC Notification S.O. 221(E), Dt: 18.01.2021.
- MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.
- MoEF&CCO.M. Dt: 13.12.2022.

During the meeting, the proponent stated that he had submitted proposal for extension of validity of the earlier issued EC vide Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016 as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

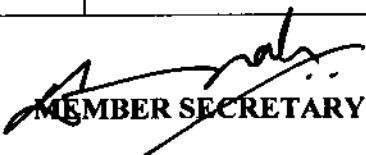
EC obtained Date	08.02.2016
Lease Deed Registered Date: 11.12.2016	Validity of EC – 07.02.2021
Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 07.02.2022
Proponent applied for extension of validity of Environmental Clearance – Form – 6	08.06.2021 (Proposal No.SIA/TN/MIN/214493/2021

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...

“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.”

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& CC subject to the following commitment made by the PP.

- As accepted by the Project Proponent the CER cost is **Rs. 2 Lakh** and the amount shall be


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spent towards Re-Construction of Toilets for Boys and Maintenance for Thogarapalli Government Higher Secondary School, Krishnagiri, before obtaining CTO from TNPCB.

Subsequently, the proposal was placed in the 598th Authority meeting held on 01.03.2023. The proposal is placed in this 352nd SEAC Meeting held on 08.02.2023. 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& CC.

The authority after detailed deliberation, noted that

1. The proponent had submitted a proposal for extension of validity of earlier obtained EC vide online number SIA/TN/MIN/214898/2021 dated: 11/06/2021 in Form - 6 through Parivesh Portal.
2. Further, in the additional details to be uploaded in online, the proponent had uploaded Form - I submitting following details as below

4	New/ Expansion/ Modernization	It is an existing quarry operating with valid Environmental Clearance vides Lr.No. SEIAA-TN./F.No.3777/EC/1 (a)/2802/2015 Dated:08.02.2016. for the Quantity of 5,749m ³ of Black Granite, now the proposals submitted as increase of production capacity from 5,749m ³ to 25,807m ³
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From the above, it is ascertained that the proponent himself has accepted that there is an increase in production capacity from 5,749 cu.m to 25,807 cu.m and the proponent had applied in the column pertaining to expansion of production capacity. Hence, applicability of Notification dated: 12.04.2022 and OM clarification 13.12.2022 shall be clarified.

3. Further, in the Form - I uploaded by the proponent in Parivesh Portal, S.No.22

The first Scheme of Quarrying was prepared and submitted. Now this second Scheme of Quarrying is prepared and submitted for the period of 2016-17 to 2020-21 (five year).

The Second Scheme of Mining plan was approved by the Director, Department of Geology and Mining, Guindy, Chennai Vide Letter No. 6250/MM4/2020, Dated: 21.12.2020

Hence, from the above, it is ascertained that the validity of Scheme of Mining has expired as on Date.

4. The proponent is requested to submit certified compliance certificate (CCR) obtained from IRO, MoEF&CC.


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5. The proponent is requested to submit EMP including progressive mine closure plan for the life of mine.

6. Further, the proponent had obtained EC earlier vide Lr. No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated:08.02.2016 for a production capacity of 5299 cu.m. Hence, the Proponent may be requested to submit details regarding the proposed and achieved quantity during the earlier obtained EC period.

Hence, the proponent may be requested to submit approved scheme of mining.

In the view of the above, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its recommendation to SEIAA to take further course of action.

Now, the proposal was again placed in the 371st SEAC meeting held on 26.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal.

In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 371st SEAC held on 26.04.2023 to the project proponent.

24. File No: 7844

Existing Black Granite quarry over an extent of 3.68.5 Ha in S.F.No. 781(Part), 744(Part), 526/2A, 526/2B, 526/3A, 526/3B, 529/2(Part), 529/3(Part), 529/4(Part), 531/1(Part), 531/2(Part) and 531/3(P) at Puligunda Village, Bargur (Formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu by TVL. Bannari Amman Sugars Limited - For Environmental Clearance.

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023.

1. Earlier the proposal was placed in 265th SEAC meeting held on 21.04.2022. Based on the presentation made by the proponent and the documents furnished, SEAC decided that the project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Pulikonda R.F from the proposed quarry site.
On receipt of the aforesaid details, SEAC would further deliberate on the project and decide the further course of action.
2. Subsequently, the proposal was placed in the 510th Authority meeting held on 23.05.2022. In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.


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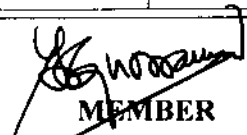

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- i. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from reputed research institutions on the following
 - a) Soil health & bio-diversity.
 - b) Climate change leading to Droughts, Floods etc.
 - 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.
- ii. 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 project life (or) subject to a maximum of thirty years, whichever is earlier.
- iii. 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.
- iv. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- v. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- vi. Detailed Environment Management Plan including adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

Now, the proposal was again placed in the 352nd SEAC meeting held on 08.02.2023. SEAC have satisfied with the reply furnished by the PP to the queries raised by the Authority.

EC obtained Date	08.02.2016
Lease Deed Registered Date: 11.12.2016	Validity of EC – 07.02.2021


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Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 07.02.2022
Proponent applied for extension of validity of Environmental Clearance – Form – 6	21.06.2021 (Proposal No.SIA/TN/MIN/216113/2021

The SEAC had observed that all the clauses and conditions required for the normal EC extension has been furnished during presentation and the project is fit for extension up to the lease period.

The SEAC also 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 (i) states that...

"The validity of the Environmental Clearance, which had not expired as on the dated 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,"

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& CC subject to the following commitment made by the PP.

- As accepted by the Project Proponent the CER cost is **Rs. 2 Lakh** and the amount shall be spent towards Re-Construction of Toilets for Girls and Maintenance for Thogarapalli Government Higher Secondary School, Krishnagiri, for the committed activities before obtaining CTO from TNPCB.

Subsequently, the proposal was placed in the 598th Authority meeting held on 01.03.2023. The proposal is placed in this 352nd SEAC Meeting held on 08.02.2023. 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& CC.

The authority after detailed deliberation, noted that

- Upon the scrutiny of unapproved mining plan, it is ascertained that the proponent had achieved excess recovery than the approved quantity in the earlier EC issued vide Lr.No. SEIAA-TN/F.No.3775/EC/1(a)/2804/2015 Dated: 08.02.2016.


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Proposed and actual Production particulars from the commencement of quarry operations:

Table -2

Year	Proposed		Achieved	Period
	ROM	Production (@ 5%)	Production (m ³)	
2008 - 09	1000	50	Nil	Mining Plan Period
2009 - 10	2000	100	Nil	
2010 - 11	2000	100	20,380	
2011 - 12	2000	100	971,780	
2012 - 13	2000	100	149,000	
Total	9000	450	1,141,160	
2013 - 14			2,837,536	1 st Scheme Period
2014 - 15	12000	600	1251,500	
2015 - 16	12000	600	1050,014	
2016 - 17	12010	601	1271,183	
2017 - 18	11970	599	1180,544	
Total	47980	2400	7,590,777	
Grand Total	56980	2850	8,731,937	

Hence, as per the EC General condition point no. 3 & 4, the proponent must have informed SEIAA regarding the increase in the recovery percentage.

Further, as per the OM dated: 07.07.2021, SoP regarding handling of violation cases, MoEF&CC has defined

“... ‘Violation’ means cases where projects have either started the construction work or installation or excavation, whichever is earlier, on site or have expanded the production capacity and / or project area beyond the limit specified in the Environmental Clearance (Prior-EC) without obtaining Prior-EC or change of scope without prior approval from the ministry.”

- i) The proponent is requested to submit approved scheme of mining plan.
- ii) The proponent is requested to submit certified compliance certificate (CCR) obtained from IRO, MoEF&CC.
- iii) The proponent is requested to submit EMP including progressive mine closure plan for the life of mine.

In the view of the above, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its recommendation to SEIAA to take further course of action.

Now, the proposal was again placed in the 371st SEAC meeting held on 26.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal.


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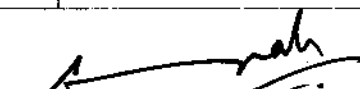
	In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 371 st SEAC held on 26.04.2023 to the project proponent.		
25.	Proposed Rough Stone and Gravel quarry lease area over an extent of Extent 1.05.0 Ha at SF. No. 909, 911/2 (Part) of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Subbaraman - For Environmental Clearance.	7991	<p>The proposal was placed in the 371st SEAC Meeting held on 26.04.2023.</p> <p>Earlier the proposal was placed in 370th SEAC meeting held on 25.04.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting.</p> <p>Now the proposal was placed in 371st SEAC meeting held on 26.04.2023. During the presentation SEAC observed that some of the structures from Google imagery, hence SEAC decided to call for the following details.</p> <ol style="list-style-type: none"> 1. The PP shall carry out a survey and enumerate on the structures located within 50m, 100m, 200m and 300m radius from the proposed site, with details such as nature of structure, use, occupation, etc. <p>Upon the receipt of above said details, further deliberation shall be done.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 371st SEAC held on 26.04.2023 to the project proponent.</p>
26.	Proposed Rough stone & Gravel lease over an extent of 3.89.0 Ha at S.F.No's: 178/9, 178/10, 217/1B, 217/2, 217/3, 217/4A, 217/4B & 217/5 in Perumbakkam Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by K.	9551	<p>The Authority noted that the subject was appraised in the 362nd SEAC meeting held on 13.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions as stated therein. Subsequently, this subject was placed in the 608th Authority meeting held on 05.04.2023 & 06.04.2023.</p> <p>The Authority noted that there is a nearby water</p>


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	<p>Chellamuthu-For Environmental Clearance.</p>	<p>body and drainage paths running adjacent to the site. Further, there are agricultural lands adjacent to the site. Hence in this regard the PP shall submit the following necessary reports as follows,</p> <p>Detailed study shall be carried out in regard to assess the impact of mining around the proposed mine lease area from reputed Research and Academic Institution such as NIRM, IITs, NITs, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc on the following</p> <ol style="list-style-type: none"> 1. The hydrogeological regime is likely to be disturbed. Hence, 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 water bodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. 2. Since the proposed area of mining 3.89.0 Ha is large, the mining is likely to impact the underground water and affects the lakes situated at 150m and 300 m from the quarry site. Hence, the PP shall furnish impact study report on the same. 3. Impact of mining on water table, agriculture and Horticulture to be studied. 4. The likely pollution on groundwater due to mining to be studied. 5. The change in drainage pattern, movement of surplus mine water and rain water to be studied.
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6. Will the mining result in drawdown effect and affect macro, micro and Mini water shed.
7. Impacts on aquifers may also be studied.
8. Best mining practice to be deployed.

Now, the PP had submitted a reply vide letter dated:10.05.2023. Hence, this subject was placed in the 618th Authority meeting held on 16.05.2023. After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN to obtain remarks on the reply submitted by the PP.

27. File No: 9038

Proposed construction of High-Rise Building for Residential purpose at S.F.No.Block No. 16, T.S. No. 9/4 of Velachery Village, Velachery Taluk, Chennai District, Tamil Nadu by M/s. SAS Realtors Private Limited - for Corrigendum in Environmental Clearance

The authority noted that the PP has requested for Corrigendum of Environmental Clearance issued vide Letter No. SEIAA-TN/F.No.9038/EC/8(a)/843 /2022 dated: 14.06.2022 for the following

S.No.	EC issued detail	Page no.	Corrigendum requested
1.	Cost of the Project Rs. 101 Crores	3	Cost of the Project Rs. 75 Crores
2.	Mode of Disposal of treated sewage with quantity: Total treated Grey Water – 46KLD Treated Grey Water Flushing – 27 KLD Treated Grey Water Greenbelt development – 2 KLD Excess Treated Grey Water – 17 kLD for CMWSSB Sewer line.	5	Mode of Disposal of treated Grey water and treated sewage with quantity: Total treated Grey Water – 46KLD Treated Grey Water Flushing – 27 KLD Treated Grey Water Greenbelt development – 2 KLD Excess Treated Grey Water – 17 kLD for CMWSSB Sewer line. Excess Treated Sewage – 27 kLD for CMWSSB Sewer line.

In this connection, the authority after detailed discussion has decided to grant corrigendum for the Environmental Clearance issued vide letter No. SEIAA-TN/F.No.9038/EC/8(a)/843 /2022 dated:


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	14.06.2022 as requested by the project proponent subject to all the conditions stipulated and validity for the EC issued vide letter No. SEIAA-TN/F.No.9038/EC/8(a)/843 /2022 dated: 14.06.2022.		
28.	Proposed Rough Stone and Gravel Quarry project at over an Extent of 3.37.2Ha of Patta Lands in S.F.Nos.35/2 (Part), 36/1, 43/1 and 44/2 of Vadavallanadu Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu by Thiru.V. Palanikumar - For Amendment in Environmental Clearance	9115	<p>The authority noted that the PP has requested for Amendment of Environmental Clearance issued vide Lr. No.SEIAA-TN/F.No.9115/EC.No:5261/2022, dated:07.09.2022 in regard to revise 500m radius of the proposed quarry details as per AD, Dept. of Geology &Mining, Thoothukudi Lr. RoC.No.G.M.1/742/2021 Dt:07.03.2022 instead of the 500m radius of the proposed quarry details mentioned in page nos. 7th & 8th of said EC.</p> <p>In this connection, the authority after detailed discussion has decided to grant amendment of Environmental Clearance in regard to the 500m radius of the proposed quarry details mentioned in page nos. 7th & 8th of said EC shall be amended and substituted/read as per AD, Dept. of Geology &Mining, Thoothukudi Lr. RoC.No.G.M.1/742/2021 Dt:07.03.2022 subject to all the conditions stipulated and validity for the EC issued vide Lr. No.SEIAA-TN/F.No.9115/EC.No:5261/2022, dated:07.09.2022.</p>
29.	Proposed construction of Multi Storied Commercial Building at S.F.No. 335/3A, 335/3B, Block No.37, in Krishnarayapuram Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Globus Arima Builders LLP - For Environmental Clearance	9601	<p>The Authority noted that this proposal was placed for appraisal in this 361st meeting of SEAC held on 10.03.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions as stated therein. Subsequently, this proposal was placed in the 607th Authority meeting held on 03.04.2023. After detailed discussions, the Authority decided to obtain following details from the PP.</p>


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			<ol style="list-style-type: none"> 1. The Proponent shall furnish detailed land area breakup indicating OSR area in Sq.m and also in percentage of total land area. The project proponent shall provide entry and exit points for the OSR area, as per the norms for the public usage and as committed. 2. The project proponent shall enumerate on the details of No. of Trees, Age of trees & its yield details of trees in the proposed project site. 3. The PP shall obtain fresh water supply commitment letter from the local body /TWAD. 4. The PP shall furnish detailed Traffic analysis study report. <p>Now, the PP had submitted a reply vide letter dated:25.04.2023. Hence, this proposal was placed in the 618th Authority meeting held on 16.05.2023. After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN to obtain remarks on the reply (especially on the 1st & 3rd query) submitted by the PP.</p>
30.	To consider the proposal for the grant of Environmental Clearance for the Existing Multi Colour Granite Quarry over an extent of 16.12.0 Ha at S.F. No.516/1, 518/4 & 534, Arasiramani Village, Sankari Taluk, Salem District by M/s. Tamil Nadu Minerals Limited	4396	<p>After detailed discussion, the Authority noted as follows.</p> <ol style="list-style-type: none"> 1. In the 208th SEAC meeting held on 24.03.2021, the Committee decided to recommend the project proposal to SEIAA for grant of Environmental Clearance under violation category subject to the following conditions, in addition to standard conditions stipulated by the MoEF&CC:


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		<p>i. The amount prescribed for Ecological remediation (Rs. 6.448 lakhs), natural resource augmentation (Rs. 8.06 lakhs) & community resource augmentation (Rs. 11.284 lakhs), totaling Rs. 25.792 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.25.792 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.</p> <p>ii. The amount committed by the Project proponent for CER (Rs.6.448 Lakhs) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.</p> <p>iii. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>iv. The project shall furnish the revised letter obtained from Assistant Director, Department of Geology & Mining.</p>
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2. The proposal was placed in the 441st Authority meeting held on 22.04.2021. After detailed discussion, the Authority unanimously accepts the recommendation of SEAC and decided to request the Member Secretary, SEIAA to obtain the above details from the proponent as recommended by SEAC and place the proposal in the ensuing Authority meeting for further course of action.
3. The proponent vide his letter 03.05.2023 has furnished the copy of Bank Guarantee submitted to TNPCB & copy of acknowledgement obtained from TNPCB for the submission of BG (BG NO. 018371123000011, dated: 29.04.2023) and also affidavit towards commitments of CER to be carried out as recommended by SEAC.
4. The proponent has furnished the copy of acknowledgement obtained from Head Master, Panchayat Union Primary School, Sankari towards CER activity over the cheque of Rs. 6,44,800 (Rs. Six lakhs forty four thousand eight hundred only).
5. The proponent has submitted the details of court case filed by TNPCB in the Judicial Magistrate Court, Sankari vide case Number: CC/0000081/2023, dated 29.03.2023, (CNR Number: TNSA090004342023) against the proponent.
6. The proponent has furnished the copy of revised letter obtained from Assistant Director, Department of Geology & Mining.


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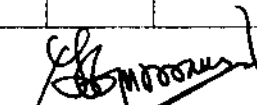

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In view of the above, the Authority accepted the recommendation of SEAC and decided to grant Environmental Clearance under violation category for the period of 2023-2024 & 2024-2025 (since three years of mine plan were lapsed) to the quantity of 72,789 m³ of ROM which includes 18197 m³ of Multi Colour Granite (25% Recovery) & 54592 m³ of Granite waste with the ultimate depth of mining upto 30m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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


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			<p>environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The project proponent shall store/dump the granite waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>8. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, Directorate General of Mines Safety, Chennai region before obtaining CTO from TNPCB.</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

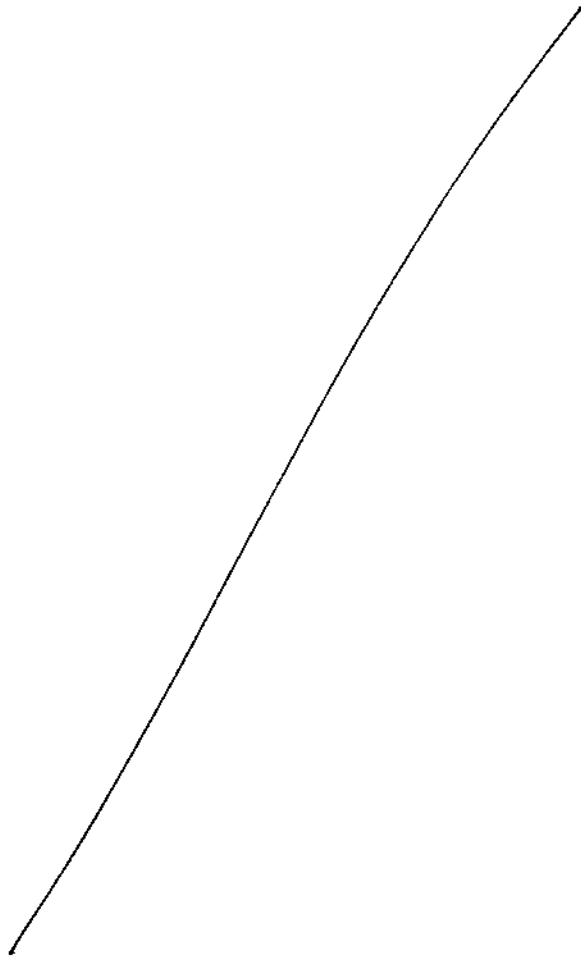

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disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.

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.




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