

MINUTES

612th MEETING

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

Date: 17.04.2023 & 18.04.2023



**MINUTES OF THE 612th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 17.04.2023 & 18.04.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 611 th meeting of the Authority held on 12.04.2023.		The minutes of the 611 th meeting of the Authority held on 11.04.2023 was confirmed.
b)	The Action taken on the decisions of the 611 th meeting of the Authority held on 12.04.2023.		The Member Secretary informed that 611 th Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Proposed Earth quarry lease over an extent of 2.41.0 Ha at SF. Nos. 121/1, 122/5, 122/7B and 122/8 of Rasingapiuram Village, Bodinaickanur Taluk, Theni District, Tamil Nadu by Thiru.S.Maharajan - For Environmental Clearance.	9675	<p>The authority noted that this proposal was placed for appraisal in 365th meeting of SEAC held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>In view of the above, the authority decided that the PP shall submit,</p> <p>i) The proponent shall furnish a detailed mineral composition study of the proposed project site obtained from an accredited institute.</p> <p>ii) The proponent shall furnish a NOC obtained from TN Agricultural Department regarding the productivity of the site and its non-fitness for agriculture for carrying out earth mining in the project site which is surrounded by agricultural lands.</p> <p>iii) The proponent shall furnish a NOC obtained from local panchayat for carrying out earth removal in the proposed site.</p>
2.	Proposed Rough stone and Gravel quarry lease over an extent of	9696	The authority noted that this proposal was placed for appraisal in 365 th meeting of SEAC held on


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<p>4.53.5 Ha at SF. Nos. 208/3C1, 208/3C3, 208/3A1(P), 208/3B2, 208/3A2(P), 208/3B1 & 208/3C2 of Vettur Village, Madhuranthakam Taluk, Chengalpattu District, Tamil Nadu by Thiru. E.Muthukrishnan - For Environmental Clearance.</p>	<p>25.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 4,23,050m³ of Rough Stone and 76,780m³ of Gravel by restricting the depth of mining up to 37m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
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			<p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <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 Rough stone and Gravel quarry lease over an extent of 1.63.0 Ha at SF. Nos. 248/2C2 (P) Iduvai Village, Tiruppur South Taluk and Tiruppur District Tamil Nadu by Thiru. S.Muthukarupasamy- For Environmental Clearance.	9669	<p>The authority noted that the subject was appraised in 365th SEAC meeting held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 66,830 m³ of rough stone and 4680 m³ of gravel with an</p>


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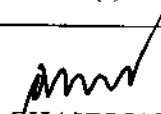

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ultimate depth of mining upto 46m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. 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

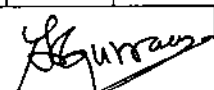

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		<p>newly developed compliance module in the PARIVESH Portal from the respective login.</p> <ol style="list-style-type: none"> 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. 7. The 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. 8. 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 Government High School, Iduvai, Tiruppur District for the activities as committed, before obtaining CTO from TNPCB. 9. 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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4.	Proposed Rough stone quarry lease over an extent of 2.65.5 Ha at SF. Nos. 81/2, Poolancheri Village, Musiri Taluk, Tiruchirapalli District Tamil Nadu by Thiru. Thiru.K.Periyasamy- For Environmental Clearance.	9676	<p>The authority noted that the subject was appraised in 365th SEAC meeting held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity restricted to 1,46,836 m³ of rough stone with an ultimate depth of mining upto 45m (5m AGL + 40m BGL) as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
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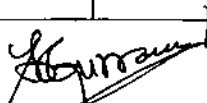

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		<ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. 7. The 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. 8. 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
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			<p>proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Panchayat Union Primary School, Melakkottangal, Poolancheri (Po), Tiruchirapalli District for the activities as committed, before obtaining CTO from TNPCB.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
5.	Proposed Rough stone & gravel quarry lease over an extent of 1.82.0 Ha at S.F.Nos.823/1A (Part) & 824/3B of Naranammalpuram Village, Tirunelveli Taluk and Tirunelveli District Tamil Nadu by Thiru.S.Kattüpava Mydeen - For Environmental Clearance.	9683	<p>The authority noted that the subject was appraised in 365th SEAC meeting held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 92,875 m³ of rough stone with an ultimate depth of mining upto 30m 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</p>


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		<p>conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and
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			<p>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> <p>8. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the conservation measures in Gangaikondan Wild life sanctuary, before obtaining CTO from TNPCB.</p> <p>9. 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>
6.	Proposed Rough stone & gravel quarry lease over an extent of 1.80.0 Ha at S.F.Nos. 12/IC(p),	9697	The authority noted that the subject was appraised in 365 th SEAC meeting held on 24.03.2023. SEAC has furnished its recommendations for granting


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<p>Naranapuram Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. S.Muthukaruppasamy - For Environmental Clearance.</p>	<p>Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 69,309 m³ of rough stone with an ultimate depth of mining upto 47m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
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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> <p>8. 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 Government High School, Iduvai, Tiruppur</p>
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			<p>District for the activities as committed, before obtaining CTO from TNPCB.</p> <p>9. 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>
7.	<p>Proposed Rough Stone Quarry lease over an extent of 3.00.0Ha (Government poramboke Land) S.F.No.106/1(P), Kottaiyur Village, Thuraiyur Taluk, Tiruchirapalli District by Thiru.S.Muthusamy - for Environmental Clearance.</p>	9656	<p>The authority noted that the subject was appraised in 365th meeting of SEAC held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,76,625 m³ of Rough Stone by restricting the depth of mining upto 23m 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>

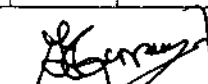

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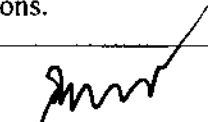

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		<p>Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should 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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		<p>7. The project proponent shall store/dump 23416m³ of Weathered rock & 11757m³ of Topsoil generated within the earmarked area of the project site and the utilize the same for mine closure.</p> <p>8. The project proponent shall spend EMP cost of Rs. 1.1530 Crores /5 Years including capital & recurring cost with 5% inflation cost anticipated every year as committed.</p> <p>9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the Govt. Adidravitar Elementary School, Kottaiyur Village as committed, before obtaining CTO from TNPCB.</p> <p>10. All the trees listed within the proposed mining area shall be transplanted all along the boundary.</p> <p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area mentioned in EIA report.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p> <p>13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion, etc.</p>
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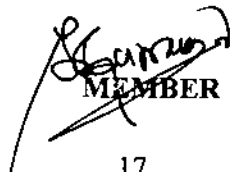

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8.	Proposed Red Earth Quarry lease over an extent of 1.84.0Ha (Patta Land) at S.F.No.94/2H, Vadukanathankuppam Village, Viluppuram Taluk, Viluppuram District by Mr.V.Parasuraman – for Environmental Clearance.	9670	<p>The authority after detailed discussion decided to defer and decided the direct the PP to furnish following additional particulars</p> <ol style="list-style-type: none"> 1. The PP shall obtain and furnish necessary amendment for mineral name from 'Red Earth' to 'Ordinary Earth ' in the mining plan & other documents as per Industries, Investment Promotion and Commerce Department G.O.(MS)No.244 dt.14.12.2022. 2. The PP shall submit NOC from Agricultural department that the proposed mining lease area is not fit for agriculture purpose and NOC for Local panchayat. 3. The PP shall submit composition heavy mineral such as ilmenite, Garnet, Rutile, etc. 4. The PP shall furnish details of impacts and mitigation measures on agricultural fields, drainage pattern, water table around the proposed mining area
9.	Proposed Rough Stone & Gravel quarry over an extent of 4.21.5 Ha in S.F.Nos. 507 & 508 Therkukaraseri Village, Srivaukundam Taluk, Thoothukudi District, Tamil Nadu by Thiru.K Subbaih - for Terms of Reference	9684	<p>The authority noted that the subject was appraised in 365th meeting of SEAC held on 24.03.2023. SEAC has furnished its recommendations for grant of Terms of Reference (TOR) with Public Hearing.</p> <p>After detailed discussions, the Authority accepts the recommendations of SEAC and decided to grant Terms of Reference (TOR) with Public Hearing for the quantity of ,64,760 Cu.m of rough stone & 84,222 cu.m. of Gravel by restricting the depth of mining upto 33m BGL subject to the standard conditions stipulated by MOEF&CC, other standard conditions & all other specific conditions as recommended by SEAC in</p>


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			<p>addition to the following conditions and the conditions in Annexure 'B' of this minutes.</p> <ol style="list-style-type: none"> 1. The PP shall submit NOC from Agricultural department that the proposed mining lease area is not fit for agriculture purpose and NOC for Local panchayat. 2. The PP shall furnish details of impacts and mitigation measures on agricultural fields, drainage pattern, water table around the proposed mining area.
10.	Proposed Rough Stone & Gravel Quarry lease over an extent of 0.89.50Ha at S.F.No.340/1B, 2A, 2B1, 2B2, Kanakkapillaivalasai Village, Sengottai Taluk, Tenkasi District by M.Thirumalai Kumar- for Environmental Clearance.	9691	<p>The authority noted that the subject was appraised in 365th meeting of SEAC held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 72375m³ of Rough Stone & 27820m³ of Gravel by restricting the depth of mining upto 29m 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


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Clearance is valid as per the approved mine plan period.

2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
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4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
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		<p>7. The project proponent shall store/dump topsoil generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>8. The project proponent shall spend EMP cost of Rs. 89.51 Lakhs /5 Years including capital & recurring cost with 5% inflation cost anticipated every year as committed.</p> <p>9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.7 lakhs, in which the amount of Rs. 2 Lakhs shall be spent for the Panchayat Union Primary School, Kanakkapillaivalasai Village as committed and Rs. 5 Lakhs to DFO, Tirunelveli, in regard to conservation measures for Nellai Wild Life Sanctuary before obtaining CTO from TNPCB.</p> <p>10. All the trees listed within the proposed mining area shall be transplanted all along the boundary.</p> <p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area mentioned in EIA report.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p> <p>13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion, etc.</p>
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11.	Proposed Rough Stone Quarry lease over an extent of 1.07.5Ha at S.F.No.69/5, 69/6, 69/7, 69/8, 69/9, 69/10, 69/11 & 69/12A, Perumukkal Village, Marakkanam Taluk, Villupuram District by Tmt.S.Sarasu - for Environmental Clearance	9698	<p>The authority noted that the subject was appraised in 365th meeting of SEAC held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 11,710 Cu.m of Rough Stone and 19,135 Cu.m of Gravel by restricting the depth of mining upto 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> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC
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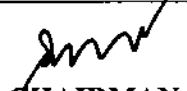

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		<p>while seeking a renewal of the mining plan to cover the project life.</p> <ol style="list-style-type: none"> 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. 7. The project proponent shall store/dump Topsoil generated within the earmarked area of the project site and the utilize the same for mine closure. 8. The project proponent shall spend EMP cost of Rs. 1.78 Crores /10 Years including capital & recurring cost with 5% inflation cost anticipated every year as committed. 9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and
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			<p>20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for Panchayat Union Primary School, Ravanapuram Village, Perumukkal (Post), Marakkanam Taluk as committed, before obtaining CTO from TNPCB.</p> <p>10. All the trees listed within the proposed mining area shall be transplanted all along the boundary.</p> <p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area mentioned in EIA report.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p> <p>13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion, etc.</p>
12.	Proposed Rough Stone & Gravel lease over an extent of 1.00.0 Ha at S.F.No's: 35/2 (P), Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Tmt. K. Subbulakshmi - For Environmental Clearance	9657	<p>The Authority noted that this proposal was placed for appraisal in this 365th Meeting of SEAC held on 24.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC noted that there are some structures located in the danger zone of the proposed quarry. Hence, the Committee decided to call for certain additional particulars as follows.</p> <p>i. The proponent shall enumerate on the details of the structures located within 50m, 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building,</p>


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			<p>usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures whether it belongs to the PP (or) not, etc.</p> <p>ii. The fugitive studies due to proposed mining activity which may cause impacts like dust, vibration, etc., should be furnished.</p> <p>iii. Site map reveals that there is a temple located at 190m (W) from the proposed lease area. Hence, the PP shall furnish details indicating the ownership of temple, details of festival season & average devotee attendance etc.,</p> <p>On receipt of the above, 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 24.03.2023.</p>
13.	Proposed Rough stone, Jelly & Gravel lease over an extent of 1.10.5Ha at SF.Nos. 114/3, 114/4A & 114/4B in Thammanayakkanpatti Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Gengaiyan -For Environmental Clearance	9664	<p>The Authority noted that the subject was appraised in the 365th SEAC meeting held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendation of SEAC and the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 37,449m³ of Rough Stone &28,971m³ of Gravelby</p>


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restricting the depth of mining upto 25m 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.

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


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			<p>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>
14.	Proposed Rough Stone quarry lease over an extent 1.50.0 Ha at S.F.No.106(part-3) Palapatti Village, Vazhappadi Taluk, Salem District, Tamil Nadu by Tmt. S. Sumathi - For Terms of Reference.	9685	The Authority noted that this proposal was placed for appraisal in this 365 th meeting of SEAC held on 24.03.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in ' Annexure B ' of this minute.
15.	Proposed Rough Stone & Gravel lease over an extent of 4.98.0 ha at S.F.Nos: 485/2(P) & 486 (P), Nedungulam Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu by M/s. Krishna Blue Metals -For Environmental Clearance	9699	<p>The Authority noted that this proposal was placed for appraisal in this 365th Meeting of SEAC held on 24.03.2023. During the appraisal, the SEAC had observed the following:</p> <ol style="list-style-type: none"> 1. The Solar Panel Power units are situated at a distance of 90 m from the boundary of proposed quarry, i.e., in the Extremely Sensitive Zone considering the risk from the flyrock due to indiscriminate blasting


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operations in the proposed quarry.

2. The proposed quarry is freshly planned in the current location where no other such quarries are in operation and the Solar Panel structure has been installed before the arrival of this quarry proposal.

3. The proposed quarrying operation involving vibration induced blasting operations and dust pollution due to huge excavation & hauling operations may damage the existing solar panel & its structures.

4. Besides, this proposal attracts the following legal implications:

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

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

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

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


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			<p>according clearance, the Director of Geology and Mining (DGM) shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such clearance....”.</p> <p>In view of the above reasons, the SEAC decided that not to recommend the proposal for the grant of Environmental Clearance.</p> <p>In view of the above, the Authority accepts the decision of SEAC and decided to request the Member Secretary, SEIAA-TN to grant rejection letter to the project proponent as per the 365th Meeting of SEAC held on 24.03.2023.</p>
16.	Proposed Gravel lease over an extent of 4.58.0 Ha at S.F.Nos: 1260(P), 1261, 1262 & 1282, Madavakurichi Village, Manur Taluk, Tirunelveli District, Tamil Nadu by Thiru.M.Pethuraj -For Environmental Clearance	9692	<p>The Authority noted that the subject was appraised in the 365th SEAC meeting held on 24.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendation of SEAC and the safety aspects (wind mill is located at 130m) and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 59,806m³ of Gravel by restricting the depth of mining upto 2m 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</p>



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		<p>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-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as
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			committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
17.	Proposed Gravel quarry lease over an extent of 3.48.65 Ha in S.F.Nos. 278/2B, 278/2C, 279/1A & 280/4A, Vaniyangudi Village, Kalaiyarkovil Taluk, Sivagangai District, Tamil Nadu by Thiru. K.Sivasubiramanian- For Environmental Clearance.	9651	<p>The Authority noted that the subject was appraised in 365th meeting of SEAC held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 45,360 m³ of Gravel (truncating the XY-CD section) and to a depth of 2m BGL. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes:</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to



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			<p>ensure that they have all been adhered to and implemented.</p> <ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The 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.
18.	Proposed Rough Stone and Gravel quarry lease over an extent of 4.26.5ha in S.F.Nos. 300/1, 300/2B & 300/2C Naduvakurichi Major Village, Sankarankovil Taluk,	9658	The authority noted that the subject was appraised in 365 th meeting of SEAC held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.


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	<p>Tenkasi District, Tamil Nadu by Thiru. D.S. Ramadoss- For 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 and systematic mining, decided to grant Environmental Clearance for the quantity of production 2,84,051m³ of Rough Stone & 56,716m³ of Gravel for First Five Years and 2,76,503 m³ of Rough Stone in the second 5-year to a restricted depth of mining upto 40m BGL. 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
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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>
19.	Proposed Rough Stone & Gravel quarry Lease over an extent of 1.00.0 Ha at S.F.No. 400/2 (Part) in Appipalayam Village, Manmangalam Taluk, Karur District, Tamil Nadu by Mrs.S.Vijayalakshmi – For Environmental Clearance	9667	<p>The authority noted that the subject was appraised in the 365th SEAC meeting held on 23.03.2023. 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 21,627m³ of rough stone & 14,418m³ by restricting the depth of mining upto 5m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also</p>


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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.
5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.


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			<p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
20.	<p>Proposed Rough Stone and Gravel quarry lease over an extent of 2.00.0Ha of Government land in S.F.No. 1(Part - 2) of Mekalanayakanahalli Village, Pappireddipatti Taluk, Dharmapuri District, Tamil Nadu by Tvl. Golden Blue Metals- For Environmental Clearance.</p>	9700	<p>The authority noted that the subject was appraised in 365th meeting of SEAC held on 23.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of production Rough Stone - 1,28,165 m³ to a restricted depth of mining upto 69.5m (2m Topsoil + 67.5m Rough stone) [57.5m AGL + 12m BGL]. 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>

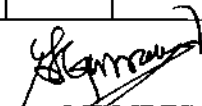

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		<p>Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should 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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21.	Proposed Rough Stone and Gravel quarry over an extent of 0.90.0 Ha in S.F.No. 622/3(P), 622/4 & 622/5 of Puliyoorsalai Village, Vilavancode Taluk, Kanniyakumari District, Tamil Nadu by Thiru. T. N. Rajakumaran for Environmental Clearance.	9659	<p>The proposal is placed in this 365th SEAC Meeting held on 24.03.2023.</p> <p>During the presentation, the SEAC had observed the following:</p> <ol style="list-style-type: none"> 1. As per the earlier issued EC vide Lr. No. SEIAA-TN/F.No.2904/EC/1(a)/ 2307/2015 dated: 27.10.2015, the PP stated that <ol style="list-style-type: none"> i. PP has not obtained NBWL clearance before starting quarrying activity. ii. PP has not obtained Consent to Operate from Tamil Nadu Pollution Control Board before starting quarrying activity. iii. PP has not obtained Certified Compliance Report for the earlier issued EC dated: 27.10.2015 from Integrated Regional Office (IRO), MoEF&CC. 2. The PP had not operated the quarrying operation systematically and scientifically posing danger situation now. 3. The proposed quarry site is located in an ecologically sensitive area of Western Ghats and is surrounded by thick vegetation. 4. Further, the proposed mine lease area is located in the top of a hill which acts as a watershed which will in turn have implications on the contribution of surface runoff. 5. The proposed site is at a distance of approximately 6.2 km from Kanniyakumari Wildlife Sanctuary. <p>Based on the documents and presentation made by the proponent, SEAC after detailed discussions decided</p>
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			<p>not to recommend this project proposal considering that the site is located in an ecologically rich area with rich vegetation and depletion of fertile topsoil will lead to environmental degradation to flora and fauna in and around the area.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the 365th SEAC minutes.</p>
22.	Proposed Rough Stone and Gravel quarry over an extent of 3.08.0 Ha in S.F.No. 178/1B(P), 178/2A2(P), 178/2B(P), 179/3B(P) & 179/4B(P) of Ottapidaram Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru S. Pachaimal for Environmental Clearance.	9687	<p>The proposal is placed in this 365th SEAC Meeting held on 24.03.2023.</p> <p>Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details</p> <ol style="list-style-type: none"> 1. There is a windmill installed at a distance of 90 m from the proposed mine lease area after the commencement of quarrying operations as per precise area communication letter issued vide Rc.G.M1/472/2016 Dated: 21.07.2022 and solar power plant located at a distance of 400m approximately as ascertained from the KML file uploaded by the proponent in Parivesh Portal. <p>Hence, the proponent is requested to carry out blast-induced vibration study & flyrock travel range distance and simulate the effects of blasting considering the structures (including windmill & solar panel) located at a distance of 50m, 100m, 200m, 300m and 500m from the proposed mine lease area, by involving any of these reputed Research and Academic Institution such as CSIR-Central Institute of</p>


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			<p>Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus and submit the report.</p> <p>On receipt of the aforesaid details, the proposal will be considered for further deliberations.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 365th SEAC Meeting held on 24.03.2023 to the project proponent</p>
23.	Proposed Rough Stone and Gravel quarry over an extent of 2.29.5 Ha in S.F.No. 271/6, 272/2(P), 272/3 & 272/4(P) of Thoppampalayam Village, Sathyamangalam Taluk, Erode District, Tamil Nadu by Thiru. N. Thangavel - for Environmental Clearance.	9694	<p>The proposal is placed in this 365th SEAC Meeting held on 24.03.2023.</p> <p>During the presentation, the SEAC had observed the following:</p> <ol style="list-style-type: none"> 1. The proposed quarry site is located in an ecologically sensitive area of Bhavani Sagar Reservoir and is located adjacent to the Velamundi RF. 2. The proposed quarry was earlier operated in three spells (i.e., 1996 to 1999, 1999 to 2004, 2009 to 2014) and the existing depth of the quarry is 15 m below ground level. 3. The Quarry operations were stopped due to the requirements of NBWL Clearance from 2014. 4. Due to existence of R.F at 113 m, the quarry was not opened from 2021 even though the final Notification issued on Sathyamangalam Tiger Reserve due to the existence of TN G.O on protection of R.F within 1 km from the quarry sites. 5. The Quarry was operated earlier with the conventional drilling & blasting activities and a scientific study was carried out by the Department


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		<p>of Mining Engineering, Anna University Chennai as per the direction of the District Collector in 2011 to determine the impact of blasting operations in the cluster of mines situated within 10 km distance from the Bhavani Sagar Dam structure & embankment and it was recommended to carry out the blasting operations with the prescribed maximum charge per delay in every round under the direct supervision of statutory competent person appointed under the provisions of MMR 1961.</p> <p>6. Accordingly, the quarry was in operation involving the blasting operation as the District Collector had granted the permission with stipulating the recommendations of the aforesaid scientific studies as the conditions to be followed scrupulously.</p> <p>7. However, as per the KML file uploaded by the proponent in online through Parivesh portal, it is ascertained that,</p> <ol style="list-style-type: none"> i. The quarrying operations are proposed at a distance of 300 m from the catchment area of the Bhavani Sagar Reservoir in the Upstream Side. ii. The existing quarry is located at a distance of 3.8 Km from the Bhavani Sagar Dam structure in the upstream side. iii. The existing quarry is situated at a distance of 5.32 Km approximately from the highly protected Sathyamangalam Tiger Reserve. iv. The starting point of embankment structure of Bhavani Sagar Dam is located at a distance of 879m only from proposed mine lease area.
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			<p>Based on the above facts, SEAC after detailed discussion and taking into consideration the safety of Bhavani Sagar Dam Structure and environmental setting of the site (Tiger Reserve) decided not to recommend this project proposal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the 365th SEAC minutes.</p>
24.	<p>Proposed Rough Stone & Gravel quarry Lease over an extent of 1.61.0 Ha at S.F.No. 1126 & 1127/2 in Kunnur Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru.V.Venkatasamy – For Environmental Clearance</p>	9660	<p>The authority noted that the subject was appraised in the 365th SEAC meeting held on 23.03.2023. 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 1,05,363m³ of rough stone and 11,732m³ of gravel by restricting the depth of mining upto 32m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <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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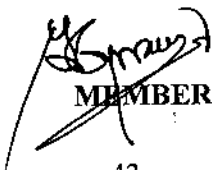

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25.	Proposed Earth Quarry lease over an Extent of 1.50.5 Ha in S.F.No. 192/1 of Thiyagavalli Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.R.Muthukumar - For Environmental clearance	9674	<p>The authority noted that the subject was appraised in the 365th SEAC meeting held on 23.03.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, after detailed discussions, decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <ul style="list-style-type: none"> i) The proponent shall furnish a detailed mineral composition study of the proposed project site obtained from an accredited institute. ii) The proponent shall furnish a NOC obtained from TN Agricultural Department regarding the productivity of the site and it's non-fitness for agriculture so as to carry out earth mining in the project site which is surrounded by agricultural lands. iii) The proponent shall furnish a NOC obtained from local panchayat for carrying out earth removal in the proposed site.
26.	Proposed Rough stone & Gravel quarry lease over an extent of 1.14.9 Ha in S.F.No 54/1B1A, 64/4B, 64/4D & 64/5B1 in Kulasekarankottai Village, Vadipatti Taluk, Madurai District, Tamilnadu by Thiru.M.K.Annadurai - For Environmental Clearance	9695	<p>The authority noted that the subject was appraised in the 365th SEAC meeting held on 23.03.2023. Based on the presentation and details furnished by the project proponent, the committee after detailed discussions decided to consider the proposal after the receipt of following details from the project proponent:</p> <ul style="list-style-type: none"> i) The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants,


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			<p>places of worship, industries, factories, sheds, etc.</p> <p>The Authority, after detailed deliberations, decided to obtain the following details from the project proponent in addition to those called by SEAC:</p> <p>i) Impact of mining on the agriculture/ agricultural fields, horticulture, humus, water body, surface/underground drainage, biodiversity in the vicinity of the proposed site shall be studied from an accredited Institute.</p>
27.	Expansion of existing hospital facility by M/s. Ganga Medical Centre & Hospitals Pvt Ltd at S.F.No.11/3/1B(Part) of Sangnur village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.- For Environmental Clearance under violation	6555	<p>The Authority noted that follows:</p> <p>1. The subject was placed in the 365th meeting of SEAC held on 23.03.2023. The SEAC observed that the proposal seeking Environmental Clearance for the expansion and construction of Hospital Facilities, Ganga Hospital at T.S. No. 11/3/1B part, Mettupalayam Road, Sangnur Village, Coimbatore District, Tamil Nadu under violation category comes under the "high level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the following conditions in addition to the normal conditions stipulated by MOEF&.CC:</p> <p>a. As per the MoEF&.CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation</p>


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		<p>Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be. and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.</p> <p>b. Accordingly, the amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation is Rs. 31.00 Lakh. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.31 Lakh 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 ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.</p> <p>c. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.</p>
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			<p>d. The amount committed by the Project proponent for CER (Rs.18.5 Lakh) 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>e. As per the MoEF&CC Office Memorandum F. No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of 18.5 Lakh to be remitted before the issue of Environmental clearance.</p> <p>The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent requesting to furnish the additional details/documents sought by SEAC and place the proposal in the ensuing Authority meeting after receipt of the details.</p>
28.	Existing Grey Granite Quarry in S.F No: 448/1(P), 449/1, 2 and 449/3A, Extent: 1.09.5 Ha, Vilangumudi Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Thiru K.S. Thanikachalam – For Environmental Clearance under Violation	6547	<p>After detailed discussion, the Authority noted as follows.</p> <p>In the 365th SEAC meeting held on 24.03.2023. Based on the inspection report and documents furnished, SEAC decided to accept the recommendation made by the subcommittee and decided to recommend the proposal for the grant of Environmental Clearance for the period of 5 Years for the production quantity of 62606 m³ of ROM, 25042 m³ of (40% Recovery) of Granite & 37564 m³ of Granite waste with an ultimate</p>


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		<p>depth of mining upto 33m, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the conditions as recommended by the Subcommittee.</p> <p>After detailed discussion, the Authority decided to obtain the following:</p> <ol style="list-style-type: none"> 1. Accordingly, the amount prescribed for Ecological remediation Rs. 1.75 Lakhs, natural resource augmentation & community resource augmentation (Rs. 2.02,450), totaling Rs. 3,77,450. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 3,77,450 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. 2. The amount committed by the Project proponent for CER (Rs. 5.00 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. 3. 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
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			<p>EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <ol style="list-style-type: none"> 4. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks and submit the same to SEAC before grant of EC. 5. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 6. The details of validity of Mining plan as approved by the competent Authority. 7. Copy of approved review of scheme of mining plan by the competent authority. 8. Registered consent document from the Pattadhars for all the survey numbers. <p>On receipt of above details, the Member Secretary is requested to place the proposal before the Authority for further course of action.</p>
29.	To consider the proposal for the grant of Environmental Clearance Proposed Rough stone, Gravel & Earth quarry lease over an extent of 4.41.5ha at S.F.No.713 in A.Lakshnipuram Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Tmt. P.Kaladevi.	7445	<p>The Authority noted that the proposal was earlier placed in 285th SEAC meeting held on 16.06.2022. During the appraisal in the 285th SEAC meeting, SEAC decided to constitute a Sub - Committee to inspect the site and a Sub-Committee inspected the proposed site on 12.07.2022.</p> <p><u>OBSERVATIONS & RECOMMENDATIONS OF THE SUB COMMITTEE</u></p> <ol style="list-style-type: none"> 1. The EIA Coordinator (or) Qualified Person who have prepared the Mining Plan was not present in the site to furnish correct details of shortest distance of existing water bodies such


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as Rivers, Odai, Kanmoi, Tanks, Pond, streams etc in the radial distance of 1km, 500 m and 300 m from the boundary of the proposed mine lease area during the inspection.

2. In spite of the best cooperation provided by the Project Proponent, the boundary of the lease hold area and the river course & its highest flood level with reference to the quarry lease hold area were not exactly located by the sub-committee.

Hence SEAC decided to request SEIAA to get a clarification from the district AD G&M on the above points, with particular reference to the directions of the Hon'ble Madras High Court in WP No.20903 of 2016 and the directions of the Director of Geology & Mining in his Lr No. 7240/MM6/2019, dated. 30.07.2021.

Subsequently, the Authority in its 544th SEIAA meeting communicated the minutes of the 299th SEAC meeting to the project proponent and the same was uploaded in the PARIVESH Portal.

In view of the above, AD/DD Mines was requested vide Letter. No. SEIAA-TN/F.No.7445/2022 dated: 21.02.2023, to clarify the above-mentioned points as per the minutes of 299th SEAC meeting and furnish the report to O/o SEIAA-TN.

Subsequently, an email was received with attachment on 11th April 2023 at 06:38 PM. The AD/Mines letter pertaining to F.No.7446 & F.No.7445 was attached in the email received.

Subsequently, based on the above, the proposal was placed in 612th SEIAA meeting held on 17.04.2023 & 18.04.2023. As per the request of SEAC,


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			a clarification letter has been sought from AD G&M and authority decided to forward the clarification obtained from AD/Mines to SEAC and SEAC shall examine and furnish its recommendation to SEIAA.
30.	To consider the proposal for the grant of Environmental Clearance for Proposed Rough Stone, Gravel & Earth over an extent of 1.54 Ha located at S.F. No, 1316/1B and 1316/2A Keezhanmaraninadu Village, Vembakottai Taluk, Virudhunagar District Tamilnadu by Tmt. P.Kaladevi.	7446	<p>The Authority noted that the proposal was earlier placed in 285th SEAC meeting held on 16.06.2022. During the appraisal in the 285th SEAC meeting, SEAC decided to constitute a Sub - Committee to inspect the site and a Sub-Committee inspected the proposed site on 12.07.2022.</p> <p><u>OBSERVATIONS & RECOMMENDATIONS OF THE SUB COMMITTEE</u></p> <ol style="list-style-type: none"> 3. The EIA Coordinator (or) Qualified Person who have prepared the Mining Plan was not present in the site to furnish correct details of shortest distance of existing water bodies such as Rivers, Odai, Kanmoi, Tanks, Pond, streams etc in the radial distance of 1km, 500 m and 300 m from the boundary of the proposed mine lease area during the inspection. 4. In spite of the best cooperation provided by the Project Proponent, the boundary of the lease hold area and the river course & its highest flood level with reference to the quarry lease hold area were not exactly located by the sub-committee. <p>Hence SEAC decided to request SEIAA to get a clarification from the district AD G&M on the above points, with particular reference to the directions of the Hon'ble Madras High Court in WP No.20903 of 2016 and the directions of the Director of Geology &</p>


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		<p>Mining in his Lr No. 7240/MM6/2019, dated. 30.07.2021.</p> <p>Subsequently, the Authority in its 544th SEIAA meeting communicated the minutes of the 299th SEAC meeting to the project proponent and the same was uploaded in the PARIVESH Portal.</p> <p>In view of the above, AD/DD Mines was requested vide Letter. No. SEIAA-TN/F.No.7446/2022 dated: 21.02.2023, to clarify the above-mentioned points as per the minutes of 299th SEAC meeting and furnish the report to O/o SEIAA-TN.</p> <p>Subsequently, an email was received with attachment on 11th April 2023 at 06:38 PM. The AD/Mines letter pertaining to F.No.7446 & F.No.7445 was attached in the email received.</p> <p>Subsequently, based on the above, the proposal was placed in 612th SEIAA meeting held on 17.04.2023 & 18.04.2023. As per the request of SEAC, a clarification letter has been sought from AD G&M and authority decided to forward the clarification obtained from AD/Mines to SEAC and SEAC shall examine and furnish its recommendation to SEIAA.</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.


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3. The proponent shall submit Compliance Reports on the status of compliance of the stipulated EC conditions including results of monitored data. It shall be sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA).
4. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

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.
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


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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.
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.


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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 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


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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

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.


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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.
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

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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.

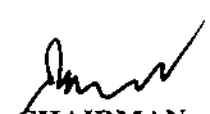
Transportation

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 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


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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 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.


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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 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


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following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.

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

Annexure 'B'

Cluster Management Committee

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

Impact study of mining


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12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following

- a) Soil health & soil biological, physical land chemical features .
- b) Climate change leading to Droughts, Floods etc.
- c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
- d) Possibilities of water contamination and impact on aquatic ecosystem health.
- e) Agriculture, Forestry & Traditional practices.
- f) Hydrothermal/Geothermal effect due to destruction in the Environment.
- g) Bio-geochemical processes and its foot prints including environmental stress.
- h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity

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

Forests

19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.


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22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

23. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity.⁴ Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.
26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.
27. The project proponent shall study and furnish the details on potential fragmentation impact on natural environment, by the activities.
28. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
29. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
30. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.

Energy

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

Climate Change

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

Mine Closure Plan


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

EMP

35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.

36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

Risk Assessment

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

Disaster Management Plan

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

Others

39. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.

40. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.

41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.


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