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MINUTES

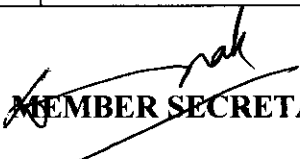
653rd MEETING

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY-TAMIL NADU

Date: 11.09.2023

**MINUTES OF THE 653rd MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 11.09.2023.**


Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 652 nd meeting of the Authority held on 07.09.2023.		The minutes of the 652 nd meeting of the Authority held on 07.09.2023 was confirmed.
b)	The Action taken on the decisions of the 652 nd meeting of the Authority held on 07.09.2023.		The Member Secretary informed that 652 nd Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Proposed Rough Stone and Gravel Quarry over an extent of 0.98.0 Ha at S.F. No's: 642/2A (Part), 642/3A (Part), 642/3B (Part), 642/3C (Part) & 642/4 (Part) of Manjanaickenpatti Village, Kadavur Taluk, Karur District, Tamil Nadu by Thiru.C.Perumal -For Environmental Clearance. (SIA/TN/MIN/433210/2023)	10132	<p>The Authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC noted that there are structures and wind mills located in the danger zone of the proposed quarry. Hence, the Committee decided to call for certain additional particulars as follows.</p> <ol style="list-style-type: none"> I. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site. II. 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, usage/ purposes of such building – commercial/ industrial/ residential/ farmhouse/ 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.


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			<p>On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</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 17.08.2023.</p>
2.	<p>Proposed Rough Stone Quarry over an extent of 2.00.0 Ha at S.F.No.692(Part) of Karuppur Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu by Thiru.A.Selvaraj-For Environmental Clearance. (SIA/TN/MIN/433049/2023)</p>	10150	<p>The Authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. Based on the presentation made by the proponent, SEAC observed the following,</p> <ol style="list-style-type: none"> 1. From the approved Mining Plan furnished by the PP, it is seen that there is top soil up to a depth of 1m and complete excavation of the top soil will be detrimental to the local ecology as well as to the nearby agricultural lands. 2. Further, the proposed mine lease area is abutting the Karuppur Reddiyapatti Reserve Forest. 3. The location forms foot of the hill and any mining activity in this area will turn have implications for the water flow and surface runoff. 4. Besides, the proposed quarrying site is an elevated small hillock with agricultural activities being carried out all around. 5. There are few numbers of farm houses / structures within 300 m.


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The SEAC took note of the following:

"Mountains, forests, hills, hillocks and rivers are Nature's gifts and it is the duty of the Government and the administration to ensure that they are preserved for future generations."

The Clause extracted from the 1972 Stockholm declaration adds that

"The natural resources of the earth, including the air, water, land, flora and fauna and especially representative samples of natural ecosystems, must be safeguarded for the benefit of present and future generations through careful planning or management, as appropriate..."

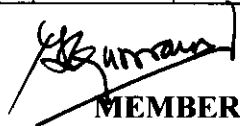
Further, the SEAC had understood from the Mining Plan/EMP submitted by the QP & EIA Coordinator that the quarrying activities are proposed in an ecologically fragile land carrying top soil of 1 m in thickness apart from abutting the reserve forest and hence it is concluded that the depletion of fertile topsoil will lead to environmental degradation to flora and fauna existing in and around the proposed site.

Therefore, based on the presentation and documents furnished by the proponent, SEAC after detailed discussions decided not to recommend this project proposal considering the environmental settings.

The Authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. **Based on the presentation made by the proponent, SEAC observed the following,**

1. From the approved Mining Plan furnished by the PP, it is seen that there is top soil up to a


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depth of 1m and complete excavation of the top soil will be detrimental to the local ecology as well as to the nearby agricultural lands.

2. Further, the proposed mine lease area is abutting the Karuppur Reddiyapatti Reserve Forest.
3. The location forms foot of the hill and any mining activity in this area will turn have implications for the water flow and surface runoff.
4. Besides, the proposed quarrying site is an elevated small hillock with agricultural activities being carried out all around.
5. There are few numbers of farm houses / structures within 300 m.

The SEAC took note of the following:

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Further, the SEAC had understood from the Mining Plan/EMP submitted by the QP & EIA Coordinator that the quarrying activities are proposed in an ecologically fragile land carrying top soil of 1 m in


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			<p>thickness apart from abutting the reserve forest and hence it is concluded that the depletion of fertile topsoil will lead to environmental degradation to flora and fauna existing in and around the proposed site.</p> <p>Therefore, based on the presentation and documents furnished by the proponent, SEAC after detailed discussions decided not to recommend this project proposal considering the environmental settings.</p> <p>The Authority, after discussions, accepted the decision of SEAC, rejected the proposal and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the SEAC minutes. Further, Authority decided to close and record this proposal.</p>
3.	Proposed Rough Stone Quarry over an extent of 1.86.5Ha at S.F. No: 213 & 216/1 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. J. Panneerselvam-For Terms of Reference under violation. (SIA/TN/MIN/434059/2023)	10156	<p>The Authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the specific TORs stated therein, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants.</p> <p>The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p>


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After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant **Terms of Reference (ToR) under violation category** for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / Standard conditions in addition to the following conditions and conditions stated therein vide **Annexure 'B'**.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants within a period of one year from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
2. The PP should not carry out any mining activity before obtaining EC.
3. The PP shall furnish Copy of valid mining lease approval obtained from the competent Authority.
4. The PP shall furnish Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.


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			<ol style="list-style-type: none"> 5. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan. 6. The PP shall study in detail about CO₂ release and temperature rise and add to micro climate alternations and the same shall be included in the final EIA report. 7. The PP shall study in detail about impact on the water bodies and natural flow of surface and ground water and the same shall be included in the final EIA report. 8. The PP shall study in detail about Soil health, Climate change leading to Droughts, Floods etc. 9. The PP shall study in detail about release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people. 10. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health. 11. The PP shall study in detail about impact on flora, fauna, biodiversity and water table and the same shall be included in the final EIA report. 12. The PP shall study the impact on Invasive Alien Species (IAP). <p>In case the PP does not furnish Chapter 13 as directed by SEAC, MS, SEIAA may refer the file to SEAC for further action.</p>
4.	Proposed Grey Granite Quarry over an extent of 1.56.5 Ha at S.F.Nos.	10162	The Authority noted that the subject was appraised in the 402 nd SEAC meeting held on 17.08.2023. SEAC


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137/5(Part), 138(Part) & 492/2(Part)
of Sivampatti & Pattrahalli Village,
Bargur & Pochampalli Taluk,
Krishnagiri District, Tamil Nadu by
Thiru. M.Edward Rajapandian-For
Environmental Clearance.
(SIA/TN/MIN/433913/2023)

has furnished its recommendations for granting
Environmental Clearance subject to the conditions
stated therein.

After detailed discussions, the Authority taking into
account the recommendations of SEAC and also the
safety aspects and to ensure sustainable, scientific and
systematic mining, decided to grant Environmental
Clearance **for the quantity of RoM – 22,285 m³
which includes 8914 m³ of granite recovery
(@40%) & 13,371 m³ of granite waste (@60%) up
to the depth of 32m below ground level and the
annual peak production should not exceed 2888 m³
of granite recovery.** This is also subject to the
conditions imposed by SEAC, normal conditions
stipulated by MOEF&CC in addition to the following
conditions and the conditions in Annexure 'A' of this
minutes.

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 (2023-
2027).
2. The EC granted is subject to review by District
Collector, Mines Dept. and TNPCB on completion
of every mine plan period, till the project life. They
should also review the EC conditions to ensure that
they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified
Compliance Report obtained from MoEF&CC
while seeking a renewal of the mining plan to cover
the project life.
4. The progressive and final mine closure plan
including the green belt implementation and


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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>
5.	Proposed Rough Stone and Gravel Quarry over an extent of 2.17.5 Ha at S.F.No.21/1, 2, 3, 4, 5, 6 & 7 of Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by Thiru.R. Suriyakanth -For Environmental Clearance. (SIA/TN/MIN/434561/2023)	10168	<p>The authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The authority noted that the SEAC has recommended the project for a period of 10 years. In this regard, the authority decided to refer back the proposal to SEAC to obtain additional suggestion from SEAC on guidelines for regulating, monitoring the quarry covering 10 years period to ensure sustainable mining and post mining regulations for bringing ecological stability.</p> <p>The recommendation may include the following:</p>


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			<ul style="list-style-type: none"> • frequency of monitoring, • the check and balances to ensure EMP implementation including mine restoration and closure, • Worker safety, Health and Hygiene, • Green belt Development • adhere to mining plan and EC stipulations. • Returns in support of CER
6.	Proposed Rough Stone and Gravel Quarry over an extent of 2.65.0 Ha at S.F. Nos:568(part) & 672(part) of Munnur Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl. Bala Vinayaga Blue Metals -For Environmental Clearance. (SIA/TN/MIN/434747/2023)	10174	<p>The Authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. The PP was not present during the meeting. Further, the proponent vide letter dated 14.08.2023 has communicated that they wish to withdraw the proposal submitted for Environmental Clearance stating the following reasons,</p> <p><i>“Due to COVID-19 lockdown the extension of 18 months granted by the commissioner Department of Geology and Mining, for the remaining and unquarried quantity. With in the short period, I unable to quarry 67,200cbm of rough stone. So, I apply for fresh application for the period of 5 years. So, I would like to withdraw my proposal.”</i></p> <p>In view of this, SEAC decided to remit the proposal back to SEIAA-TN for further course of action.</p> <p>Based on the above, the authority decided to accept the request for withdrawal of online proposal No. SIA/TN/MIN/434747/2023 Dated 27.06.2023 considering the proponent’s request for withdrawal vide 402nd SEAC meeting held on 17.08.2023.</p>
7.	Existing Rough stone and Gravel lease over an extent of 0.89.0	10133	The Authority noted that the subject was appraised in 402 nd meeting of SEAC held on 17.08.2023. The


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<p>Ha at S.F.No.637/2B(Part) in Manjanaickenpatti Village, Kadavur Taluk, Karur District, Tamil Nadu by Thiru.R.Azhagar For - Environment Clearance (SIA/TN/MIN/433166/2023)</p>	<p>SEAC has decided to seek the following additional details/documents:</p> <ol style="list-style-type: none"> 1. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m. (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc indicating the ownership of the building, nature of construction, age of the building, number of residents, their profession and income, etc. On receipt of the aforesaid details/documents. the Committee will further deliberate and decide on future course of action. 2. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests. Protected Areas, Sanctuaries, Tiger reserve etc.. upto a radius of 25 km from the proposed site. 3. The PP shall submit the letter obtained from the concerned AD (Mines) showing details on the date of lease executed, date of last working day, date of last transport permit issued. Mining Plan approved quantity. EC Approved Quantity and Achieved quantity (year wise). 4. Details of action taken on the non-compliances reported in the CCR Lr. No.EP/12.1/2023-24/SEIAA/51/TN/881 dated 21.07.2023. 5. Registered lease deed pertaining to the mine lease area shall be furnished.
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			<p>On receipt of the details sought, the Committee will deliberate further and decide on future course of action.</p> <p>The Authority decided to request the Member Secretary, SEIAA TN to call the details sought from the PP through PARIVESH Portal. Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p>
8.	<p>Proposed Rough stone and Gravel Quarry lease over an extent of 0.34.50 Ha at S.F.No.306/3 & 306/4 in Ariyur village, Vellore Taluk, Vellore District, Tamil Nadu by Tmt.K.Rupa - For Environment Clearance. (SIA/TN/MIN/430676/2023)</p>	10151	<p>The Authority noted that the subject was appraised in 402nd meeting of SEAC held on 17.08.2023. The SEAC has decided to seek the following additional details/documents:</p> <ol style="list-style-type: none"> 1. As EC has been granted by DEIAA for quarrying at S.F.No. 306/4, the PP shall furnish the certified compliance report obtained from competent authority for the said EC. 2. The PP shall furnish the details of all the structures situated at the project site and within 500m radius from the periphery of the mine lease area along with photographs. 3. The PP shall submit the letter obtained from the concerned AD (Mines) confirming the boundary of approved mine lease area as shown on the KML image by verifying the coordinates mentioned in the AMP. <p>On receipt of the same the proposal will be taken up for further deliberations.</p> <p>The Authority decided to request the Member Secretary, SEIAA TN to call the details sought from the PP through PARIVESH Portal. Hence, the</p>


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			proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
9.	Existing Rough Stone lease over an extent of 4.86.5 Ha at S.F.No.470/1C, 470/2, 471/3 & 472(Part) in Thennilai (East) Village, Pugalur(Aravakurichi) Taluk, Karur District, Tamil Nadu by Sri Venkatramanaswamy Blue Metals – Environment Clearance. (SIA/TN/MIN/433803/2023)	10157	<p>The Authority noted that the subject was appraised in 402nd meeting of SEAC held on 17.08.2023. The SEAC noted that the PP vide letter dated 10.08.2023 has informed his intention to withdraw the proposal for the reasons stated therein. The Committee decided to remit the subject back to SEIAA to decide on the withdrawal request made by the Project Proponent.</p> <p>The Authority noted that the PP has not uploaded the withdrawal letter online. Further the Authority decided to call for the following additional particulars from the PP:</p> <ul style="list-style-type: none"> • Letter from the concerned AD/Mines stating the details of last date of mining, total quantity mined and depth of mining. <p>On receipt of the same the proposal will be taken up for further deliberations. The Authority decided to request the Member Secretary, SEIAA TN to call the details sought from the PP through PARIVESH Portal. Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p>
10.	Existing Rough stone and Gravel Quarry lease over an extent of 1.00.0 Ha at S.F.No.614/1B(Part) in Manjanaickenpatti village, Kadavur Taluk, Karur District, Tamil Nadu by Mr.T.Karthik - Environment	10163	<p>The Authority noted that the subject was appraised in 402nd meeting of SEAC held on 17.08.2023. The SEAC has decided to seek the following additional details/documents:</p> <ol style="list-style-type: none"> 1. The proponent is requested to carry out a survey and enumerate on the structures located


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Clearance.
(SIA/TN/MIN/434182/2023)

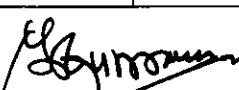
within the radius of (i) 50 m. (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc indicating the ownership of the building, nature of construction, age of the building, number of residents, their profession and income, etc. On receipt of the aforesaid details/documents. the Committee will further deliberate and decide on future course of action.

2. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests. Protected Areas, Sanctuaries, Tiger reserve etc.. upto a radius of 25 km from the proposed site.
3. The PP shall submit the letter obtained from the concerned AD (Mines) showing details on the date of lease executed, date of last working day, date of last transport permit issued. Mining Plan approved quantity. EC Approved Quantity and Achieved quantity (year wise).
4. Details of action taken on the non-compliances reported in the CCR Lr. No.EP/12.1/2023-24/SEIAA/51/TN/881 dated 21.07.2023.
5. Registered lease deed pertaining to the mine lease area shall be furnished.

On receipt of the details sought, the Committee will deliberate further and decide on future course of action.

The Authority decided to request the Member Secretary, SEIAA TN to call the details sought from


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			the PP through PARIVESH Portal. Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
11.	Proposed Grey Granite quarry lease over an extent of 1.0.0ha in S.F. No. 71/1 (Part) at Kadappasandampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Tvl. Sri Lakshmi Enterprises - For Environmental Clearance. (SIA/TN/MIN/432790/2023)	10134	<p>The proposal was placed in the 402nd SEAC Meeting held on 17.08.2023.</p> <p>Based on the presentation and the documents furnished by the Proponent, the SEAC decided to call for additional details</p> <p>The PP shall submit Certified Compliance Report obtained from integrated regional office (IRO), MoEF&CC.</p> <p>The PP shall submit the letter obtained from the concerned AD (Mines) showing details on the date of lease executed, date of last working day, date of last transport permit issued, Mining Plan approved quantity, EC Approved Quantity and Achieved quantity (year wise).</p> <p>On receipt of the details sought above, the SEAC will further deliberate and decide on future course of action. The proponent is advised to submit the additional documents/ information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 402nd SEAC Meeting held on 17.08.2023 to the project proponent.</p>
12.	Proposed Rough stone and Gravel Quarry lease over an extent of 4.68.5	10135	The authority noted that the subject was appraised in the 402 nd SEAC meeting held on 17.08.2023. Based on


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<p>Ha at S.F. Nos. 149/2A(P), 150, 151/1A, 151/1B, 151/2, 151/3, 151/5A, 151/5B, 151/5C, 151/5D, 151/6B & 151/4A of Panruti Village, Thiruperumbudur Taluk, Kanchipuram District, Tamil Nadu by Tmt. D. Banu – For Terms of Reference under Violation (SIA/TN/MIN/432855/2023)</p>		<p>the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and ToR given in Annexure-I, the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p> <ol style="list-style-type: none"> 1. The PP shall furnish Copy of valid mining lease approval obtained from the competent Authority. 2. The PP shall furnish Copy of mining plan approved by the competent authority of the Dept of Geology and Mining.
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			<ol style="list-style-type: none"> 3. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan. 4. The PP shall study in detail about the CO₂ release and temperature rise and the project activities that add to micro climate alternations and the same shall be included in the final EIA report. 5. The PP shall study in detail about impact of the proposed mining activity on the water bodies and natural flow of surface and ground water and the same shall be included in the final EIA report. 6. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health. 7. The PP shall study the impact on Invasive Alien Species (IAP).
13.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 2.45.0 Ha in S.F.Nos. 986/B2A (P) (Patta land) of Mudalipalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu by M/s. Sri Muthukumar Blue Metals – For Environmental clearance.</p> <p>(SIA/TN/MIN/433715/2023</p>	10153	<p>The authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The authority noted that the SEAC has recommended the project for a period of 10 years. In this regard, the authority decided to refer back the proposal to SEAC to obtain additional suggestion from SEAC on guidelines for regulating, monitoring the quarry covering 10 years period to ensure sustainable mining and post mining regulations for bringing ecological stability.</p> <p>The recommendation may include the following:</p> <ul style="list-style-type: none"> • frequency of monitoring, • the check and balances to ensure EMP


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			<p>implementation including mine restoration and closure,</p> <ul style="list-style-type: none"> • Worker safety, Health and Hygiene, • Green belt Development • adhere to mining plan and EC stipulations. • Returns in support of CER
14.	<p>Proposed Rough stone and Gravel Quarry lease over an extent of 3.77.5 Ha at S.F. Nos.492/B3 and 493/1(P) of Kodanthur South Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl. Sri Vetrivelan Blue Metal – For Environmental Clearance (SIA/TN/MIN/434133/2023)</p>	10165	<p>The authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.08.2023. During the presentation, SEAC noted that the proponent has submitted a request to withdraw the proposal stating that he is not willing to continue the quarry operation in the proposed lease area. Hence, the SEAC decided that SEIAA may accordingly take necessary action in accordance with the procedures.</p> <p>The Authority after detailed deliberations, decided to consider the withdrawal request after obtaining the following details from the proponent:</p> <ol style="list-style-type: none"> i) The proponent shall furnish a proper reason with justification for the withdrawal request. ii) The project proponent shall submit a Certified Compliance Report as per the MoEF&CC O.M dated.08.06.2022 for the previous EC obtained from DEIAA dated.02.11.2018. iii) The proponent shall furnish a letter from AD/DD of Geology & Mining Department stating the details of last permit obtained. iv) Further, the proponent shall furnish a letter from AD/DD of Geology & Mining Department stating the details of violations carried out in the project site with respect to earlier EC.


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15.	Proposed Rough stone quarry lease over an extent of 1.20.0Ha at SF.No. 229(Part-2) of Pogalur Village, Pernampattu Taluk, Vellore District, Tamil Nadu by Thiru. D. Chandran - for Environmental Clearance. (SIA/TN/MIN/433395/2023)	10136	<p>The authority noted that this proposal was placed for appraisal in 402nd meeting of SEAC held on 17.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC noted that there is a habitation within a distance of 300m and any mining activity will be detrimental to the environment. The PP, however, stated that the mining will be done entirely manually without involving blasting and drilling. SEAC, therefore, decided to call for additional details as follows.</p> <p>1. The proponent shall submit Modified Mining Plan indicating the involvement of hand breaking without adopting the blasting operations.</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 17.08.2023.</p>
16.	Proposed Rough stone & Gravel quarry lease over an extent of 1.00.0Ha at SF.No. 241/1A(P) of Vadaputhur Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Tmt. R.Indumathi - for Environmental Clearance. (SIA/TN/MIN/432292/2023)	10142	<p>The authority noted that this proposal was placed for appraisal in 402nd meeting of SEAC held on 17.08.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows,</p> <p>1. The proponent shall furnish an affidavit stating that the PP has suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, i.e. to facilitate the PP for submitting the application to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA</p>


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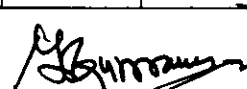
Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and will commence the mining operations only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal.

2. From the kml file when viewed in Google map, SEAC noticed that in southern east corner of the proposed site there is a pit and hence the PP shall obtain a letter from the AD (Mines) concerned on the following.

- i. Original pit dimension of the existing quarry
- ii. Quantity achieved Vs EC Approved Quantity
- iii. Balance Quantity as per Mineable Reserve calculated.
- iv. Mined out Depth as on date Vs EC Permitted depth
- v. Details of illegal/illicit mining carried out, if any
- vi. Non-compliance/Violation in the quarry during the past working.
- vii. Quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.
- viii. Existing condition of Safety zone/benches
- ix. Details of any penalties levied on the PP for any violation in the quarry operation

3. The PP shall submit Certified Compliance Report obtained from the office of the


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			<p>concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.</p> <p>4. The PP shall furnish the details on renewal of lease period from the competent authority.</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 17.08.2023.</p>
17.	Proposed Grey Granite quarry lease over an extent of 1.74.0Ha at SF.No 428/1A,1B, 429/1A1(P), 1B1A, 1B1B, 430/1C1B(P),1C2A, 1C2B(P), 1C3A & 430/1C4(P) of Kendikampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Thiru.K.P.Lakshmanan - for Environmental Clearance. (SIA/TN/MIN/433446/2023)	10154	<p>The authority noted that the subject was appraised in the 402nd SEAC meeting held on 17.8.2023. 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 25,230m³ of RoM which includes 5046m³ of Grey granite (@20% recovery) & 20,184m³ of granite waste up to the depth of mining 36m BGL and the annual peak production should not exceed 5280m³ of ROM which includes 1056m³ of Grey granite (@20% recovery) & 4224m³ of granite waste. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</p>


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			<p>1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also
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			<p>should be brought to the notice of concerned authorities during inspections.</p> <p>7. The project proponent shall store/ the granite waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.</p>
18.	Proposed Black Granite quarry lease over an extent of 4.14.8Ha at SF.No 104/1A(Part) of Udaiyanatham Village, Vikravandi Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - for Environmental Clearance. (SIA/TN/MIN/434072/2023)	10160	<p>The authority noted that this proposal was placed for appraisal in 402nd meeting of SEAC held on 17.08.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows.</p> <ol style="list-style-type: none"> 1. Since the lease period has been expired, the PP shall furnish renewal of lease. 2. The PP shall revise the EMP as per SEAC template. 3. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any. 4. The PP shall furnish CER details. <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 17.08.2023.</p>
19.	Existing Rough stone quarry lease over an extent of 1.58.0Ha in S.F.No:74/1 (P), 74/2 & 75/2 (P), Myleripalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Tmt.A.Meenakshi- For	10137	<p>The authority noted that the subject was appraised in the 402th SEAC meeting held on 17.08.2023. SEAC noted that the during presentation PP has requested SEAC for withdraw of this proposal seeking EC, as this proposal falls in B1 category as per 500m radius Cluster I. Rc.no. 381/Mines/2018 Dt:16.10.2018 (21.78.5 ha) issued by AD/Dept. G&M. In this regard,</p>


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	<p>Environmental Clearance. (SIA/TN/MIN/432274/2023)</p>	<p>SEAC accepted the request of PP and directed to apply for ToR along with following documents</p> <ol style="list-style-type: none"> 1. The PP shall furnish affidavit stating that the PP have suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, <i>i.e. to facilitate the PP for submitting the application with relevant particulars/forms/certificates to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023</i> and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal. 2. The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein. 3. Details of Existing pit dimension, quantity of the mineral quarried and last transport permit for the earlier lease period from Dept. Of Geology & Mining. 4. Details of penalty levied from Dept. of Geology & Mining. If any. 5. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
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6. The project proponent shall furnish details of photographs of adequate barbed fencing, greenbelt and garland drain around the boundary of the proposed quarry.

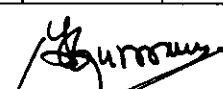
7. Revised EMP for the life of the mine including mine closure plan.

The authority after detailed discussion, decided to callfor following details so as to consider the proponent request for withdraw of this proposal seeking EC vide proposal No.432274/06.06.2023 & file no.10137/2023)

1. The PP shall furnish affidavit stating that the PP have suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, *i.e. to facilitate the PP for submitting the application with relevant particulars/forms/certificates to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal.*

2. The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein.


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			<ol style="list-style-type: none"> 3. Details of Existing pit dimension, quantity of the mineral quarried and last transport permit for the earlier lease period from Dept. of Geology & Mining. 4. Details of penalty levied from Dept. of Geology & Mining. If any. 5. Copy of Proof of request for withdraw through Parivesh for the proposal seeking EC vide proposal No.432274/06.06.2023 & file no.10137/2023). 6. Copy of proof of proposal seeking TOR for this proposal as per SEAC recommendation in 402th SEAC meeting held on 17.08.2023.
20.	Existing Grey Granite quarry lease over an extent of 2.42.5Ha in S.F.Nos. 905/1 & 905/2 (Part), Thavarakarai Village, Denkanikottai Taluk, Krishnagiri District ,Tamil Nadu by Thiru.M.Gnanam– For Environmental Clearance. (SIA/TN/MIN/433250/2023)	10143	<p>The authority noted that the subject was appraised in the 402th SEAC meeting held on 17.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the period (2023 – 24) to (2027 -28) and the quantity of 44,601 m³ of ROM , 13381 m³ of Grey Granite (30%) & 31220m³ of Granite Waste (70%) to the depth of 13m BGL and the annual peak production should not exceed 9435 m³ of ROM , 2831m³ of Grey Granite (30%) & 6604 m³ of Granite Waste (70%). This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following</p>


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

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


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			<p>submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The PP shall carryout transplantation/ plantation/ afforestation of tall native saplings in the ratio 1:10 in regard to existing the trees cut down (or) 500 Nos. of Trees per hectare of mining lease area all along the periphery within the proposed mining area and as well as avenue plantation as committed.</p>
21.	<p>Existing Multi Colour Granite quarry lease over an extent of 2.13.5Ha in S.F.Nos. 1116/1A and 1116/2, Sivayam (South) Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by Tmt.V.Shanthi- For Environmental Clearance. (SIA/TN/MIN/434437/2023)</p>	10167	<p>The authority noted that the subject was appraised in the 402th SEAC meeting held on 17.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the period (2023 – 24) to (2025 -26) and the quantity of 21,126 m³ of ROM , 12676m³ of Multi Colour Granite (60%) & 8450m³ of Granite Waste (40%) to the depth of 33m BGL and the annual peak production should not exceed 7210 m³ of ROM , 4326m³ of Multi Colour Granite (60%) & 2884 m³ of Granite Waste (40%). This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <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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Clearance is valid as per the approved mine plan period.

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


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			7. The PP shall carryout transplantation/ plantation/ afforestation of tall native saplings in the ratio1:10 in regard to existing the trees cut down (or) 500 Nos. of Trees per hectare of mining lease area all along the periphery within the proposed mining area and as well as avenue plantation as committed.
22.	Existing Rough stone & Gravel quarry lease over an extent of 1.86.5Ha in S.F.No:387/A (Part), Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by Mr.K.Pooventhiran- For Environmental Clearance. (SIA/TN/MIN/434743/2023)	10173	<p>The authority noted that the subject was appraised in the 402th SEAC meeting held on 17.08.2023. SEAC decided call for additional details</p> <ol style="list-style-type: none"> The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein. The PP and AD/DD, Department of G&M Shall furnish reasons/justification for area reduction from 3.90.0 ha to 1.86.5 ha. The project proponent shall obtain and furnish existing pit dimension letter from AD/DD, Department of G&M for earlier mining leases. The AD (Mines) shall certify whether any violation has occurred in the proposed mine lease under the provisions of MMDR Act, 1957 after having a through field investigation. <p>Hence, the proponent is advised to submit the additional documents/ information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In view of the above, the authority noted the 402th SEAC meeting held on 17.08.2023.</p>


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23.	Proposed Construction of additional residential and public buildings in Existing Township "Anuvijay Township" Kudankulam Nuclear Power Project at S.No.51/85, 470/475, 482, 483, 518/532 etc of Chettikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s. Nuclear Power Corporation of India Ltd (NPCIL) - For Amendment in Environmental Clearance. (SIA/TN/MIS/295756/2022)	3296	<p>The authority noted that this proposal was placed for appraisal in 402nd meeting of SEAC held on 17.08.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows,</p> <ol style="list-style-type: none"> 1.The PP shall furnish details of amendments asked for such as no.of.dwelling units, built-up area, population details, height etc., in a tabular form for each amendment requested. 2. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any. 3. The PP shall submit DTCP approval for the completed construction activities. 4. The PP furnish photographs and video of the township developed so far. 5.The PP shall furnish green belt details. 6.The PP shall furnish capacity of De-salination plant and disposal of brine water into the sea. 7. If there is an increase in population, then the PP shall discuss about increased amount of fresh water intake, waste water disposal, STP capacity, solid waste production and disposal, e-waste generation etc., <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 17.08.2023.</p>
24.	Existing Black Granite quarry lease over an extent of 35.99.0 Ha at	1107	The authority noted that the proponent has furnished reply Dt: 07.09.2023 for the additional particulars


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S.F.No: 412 (P) at Sinjalanatham Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited- For Environmental Clearance.

sought in the 633rd Authority meeting held on 27.06.2023 as follows

- a) The PP has submitted Bank guarantee no. 0183711230000220 Dated: 11.08.2023 for Rs.57.584 Lakhs in regard to Ecological remediation (Rs. 14.396 lakhs), natural resource augmentation (Rs. 17.995 lakhs) & community resource augmentation (Rs. 25.193 lakhs).
- b) The PP has submitted acknowledgement from Head Master, Sunjalnatham Government School, Eriyur, Sunjalanatham, Pennagaram Taluk, Dharmapuri District for receiving a sum of Rs. **14.396 lakhs** vide DD no. 253085/09.08.2023.
- c) The project proponent has submitted C.C no.305/2022 & CNR No. TNDP04-00721 -2022 filed in the Hon'ble Chief Judicial Magistrate, Dharmapuri and this court Judgement Dt: 12.10.2022.
- d) The PP has submitted letter from Director, Dept. G&M, Chennai vide Rc. No.265/MM4/2020/ Dated 08.07.2020 regard to NOC for remittance of penalty towards quantity transported during violated period.

The Authority noted that this proposal was placed for appraisal in this 383rd SEAC meeting held on 15.06.2023 and SEAC has furnished its recommendations for granting Environmental Clearance under violation subject to the conditions stated therein.

After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental


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Clearance for the period (2023 – 24) to (2025 -27) and the quantity of 237084 m³ of ROM , 23,708 m³ of Black Granite (10%) & 2,13,376m³ of Granite Waste (90%) to the depth of 30m BGL and the annual peak production should not exceed 59272m³ of ROM , 5927 m³ of Black Granite (10%) & 53345 m³ of Granite Waste (90%). This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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


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			<p>monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The PP shall carryout transplantation/ plantation/ afforestation of tall native saplings in the ratio 1:10 in regard to existing the trees cut down (or) 500 Nos. of Trees per hectare of mining lease area all along the periphery within the proposed mining area and as well as avenue plantation as committed.</p>
25.	Proposed Gravel Quarry lease over an extent of 4.67.0Ha S.F.No.20/1, 20/2, 20/3, 20/4, 20/5, 20/6, 20/7, 20/8, 20/9, 20/10, 20/11, 22/1A, 22/6 and 22/7B, Kalbavi Village, Bhavani Taluk, Erode District by Thiru.G.Parameshwaran – for Environmental Clearance.	9817	<p>The authority noted that the proponent has furnished reply Dt: 24.08.2023 for the additional particulars sought in the 621st Authority meeting held on 23.05.2023.</p> <p>In this regard, Authority observed that the letter Dt: 08.08.2023 furnished by the Deputy Director, Dept. of Agriculture has not enclosed the remarks and recommendation based on the field inspection.</p> <p>In view of the above, the authority decided to defer this proposal for want of enclosure mentioned in the Deputy Director, Dept. of Agriculture letter Dt:</p>


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08.08.2023 in regard to remarks and recommendation based on the field inspection so as to consider the issue of grant of EC.

26. File No: 9575
Proposed Rough stone & gravel over an extent of 1.48.0 Ha at S.F.Nos. 25/5, 25/8, 274/3A and 274/4(P) of Painkinar Village, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu by Thiru I. Prakash - For Environmental Clearance.

The authority noted that the subject was earlier appraised in 363rd SEAC meeting held on 14.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.

Subsequently, the proposal was placed in 609th SEIAA meeting held on 10.04.2023. Authority after detailed deliberation, decided to call for additional details as follows

1. The proponent has submitted details of quarries located within 500m from the proposed mine lease area vide Rc.No.135/Kanimam/2022, Dated: 19.09.2022

1). Existing quarries

Sl. No.	Name of the Owner (Tvl.)	Village & S.F. Nos.	Extent in Hect.	Lease Period	Remarks
1	Thiru.I.Prakash S/o. Inbasekaran, Senthamangalam village & Post, Sriperumpathur Taluk, Kanchipuram District	25/3, 25/4, 25/6, 25/7B, 25/18 & 25/1	2.54.5	22.11.2019 to 21.11.2024	Existing lease

Further, in the affidavit submitted to SEIAA,

3. Details of quarry within 500m radius from the applied area:

S.No	Name and address of the lessee	S.F.No. Taluk & Village	Extent in Hectare	Lease Period
<u>1).Existing Quarries</u>				
1	Thiru. I.Prakash, S/o.Inbasekaran, No.42, Bangalore National Highway, Senthamangalam, Sriperumbudur Taluk, Kanchipuram District.	25/3,25/4,25/6,25/7B, 25/18&25/1	2.54.5	22.11.2019 to 21.11.2014

2. Further, in the Environmental Clearance obtained for the above-mentioned existing quarry by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.6909/1(a)/EC. No: 4063/2019 dated: 31.10.2019 has


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been issued for SF No.25/3, 25/4, 25/6, 25/7B, 25/18 & 25/19 as per the data entered by the proponent in Parivesh Portal.

On the perusal of above documents, it is ascertained that there is a mismatch between the SF no. mentioned in the earlier issued Environmental Clearance, DD/Mines and the affidavit submitted by the proponent.

Hence, the above ambiguity shall be clarified by the proponent.

On receipt of above details, further deliberation shall be done.

Subsequently, the proponent submitted reply vide letter received at O/o SEIAA on 21.08.2023. The Authority noted the following

S. No.	Query	Reply
1.	<p>It is ascertained that there is a mismatch between the SF no. mentioned in the earlier issued Environmental Clearance, DD/Mines and the affidavit submitted by the proponent.</p> <p>Hence, the above ambiguity shall be clarified by the proponent.</p>	<p>Due to typo error in the 500m Radius letter and Affidavit, mismatch in the S.F. Nos. has been occurred. I herewith apologize for the same and the revised 500m radius letter obtained from the Department of Geology and Mining, Tiruvannamalai.</p> <p>Note: Date of the Revised 500m radius letter and old 500m radius letter is same, i.e., 19.09.2022.</p>

In the view of the above facts, authority after detailed deliberation decided to direct Member Secretary, SEIAA-TN shall write to Director, Geology and Mining to verify the genuinity of the letter enclosed by the proponent vide letter received by this office on 21.08.2023 claiming it to be the revised 500m letter issued by Department of Geology and Mining, Tiruvannamalai.

Upon the receipt of above clarification, further deliberation shall be done.

27.	Proposed Rough Stone & Gravel quarry lease over an extent of 4.68.50ha in S.F. No. 735(P), 736(P), 737/3(P), 750/1(P), 2(P),751/1, 2, 752/1, 2, 753/1, 2A, 2B & 754/1A(P), 1(B(P), 1C, 1D(P), 1E at	9565	<p>The authority noted that the subject was appraised in 362nd SEAC meeting held on 13.03.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC noted that a W.P. (MD) No. 1593 of 2023 is pending with Madurai Bench of Madras High Court and decided to recommend the</p>
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Achchamdavilthan Village,
Srivilliputhur Taluk, Virudhunagar
District Tamil Nadu by Thiru.
P.V.Lakshmi Narayanan - For
Environmental Clearance.

**proposal for the grant of Environmental Clearance
subject to the outcome of the above-mentioned Writ
Petition.**

Authority after detailed deliberation, decided that since a writ petition (W.P.(MD) No. 1593 of 2023) is pending with Madurai Bench of Madras High Court, the examination of the proposal is kept in abeyance and further course of action for this proposal is subject to the outcome of the W.P. (MD) No. 1593 of 2023 pending in Madurai Bench of Madras High Court and SEAC may examine the outcome and the recommendation for grant of Environmental Clearance may be furnished to SEIAA accordingly.

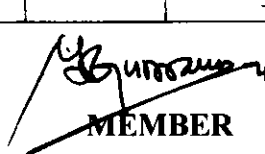
Subsequently, the proponent submitted the reply to O/o SEIAA on 07.08.2023.

Based on the reply furnished by the proponent, the proposal was again placed in 645th SEIAA meeting held on 07.08.2023. Authority after detailed deliberation, noted the following order dated 19.07.2023 issued by Hon'ble Madurai bench of Madras High court under sub para 4 & 7 of para 5

4. The second respondent shall consider the application submitted by the 11th respondent pending before him and pass appropriate orders after hearing the 11th respondent as well as the Petitioner. The Petitioner shall file his objections, if any to the second respondent or the State Environment Impact Assessment Authority (SEIAA) within a period of one week from the date of receipt of a copy of this order.

7. Therefore, the second and fourth respondents as well as the State Environment Impact Assessment Authority (SEIAA) are directed to dispose of the


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applications pending before them, within a period of eight weeks from the date of receipt of a copy of this order, after hearing the Petitioner as well as the 11th respondent.

Hence, in the deference to the above-mentioned order dated 19.07.2023, authority decided to defer the proposal and will be taken up in the ensuing meeting. The proposal was again placed in 653rd SEIAA meeting held on 11.09.2023.

After detailed discussions, the Authority taking into account the recommendations of SEAC and in deference to the direction issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) No. 1593 of 2023 and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the **quantity 3,74,125m³ of Rough Stone and 1,50,330 m³ of Gravel up to the depth of 45m below ground level and the annual peak production should not exceed 91,375m³ of rough stone & 35,150 m³ of Gravel.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.

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 TNPCCB on completion of every mine plan period, till the project life. They should also review the EC


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			<p>conditions to 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.
28.	Existing Limestone Mine lease (G.O.7947) over an extent of 7.92.0 Ha in S.F.No. 2/2, 2/3, 3/2A, 4/1, 4/2A, 14/1A, 15 (Part) in Veerachipalayam Village & 235/6B	6732	Earlier, the subject was placed in 637 th Authority meeting held on 11.07.2023. The authority noted that the subject was appraised in 387 th SEAC meeting held on 28.06.2023. SEAC has furnished its recommendations to the Authority for granting


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in Alathur Village, Sankari Taluk, Salem District, Tamil Nadu by M/s. The India Cements Limited - For Environmental Clearance under Violation

Environmental Clearance to the Project subject to the conditions stated therein.

After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 387th SEIAA meeting held on 28.06.2023.

1. The project proponent shall remit the amount prescribed for Ecological remediation (Rs. 10.05 Lakhs), natural resource augmentation (Rs.4.02 lakhs) & community resource augmentation (Rs. 6.03 Lakhs), totaling **Rs. 20.10 Lakhs** in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit acknowledgement of the same to SEIAA-TN.
2. The amount committed by the Project proponent for CER (**Rs. 2.00 lakhs**) shall be remitted in the form of DD to the beneficiary for the activities as 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 the project proponent under the provisions of Section 19 of the Environment (Protection) Act 1986 as per the EIA notification dated.14.03.2017 and amended 08.03.2018.

The proponent vide letter dated.24.08.2023, has furnished a reply to the above details sought in the 637th Authority meeting. In this regard, the proposal is placed in this 653rd Authority meeting.

The authority during deliberations, noted that the State Government/ TNPCB is yet to take action against the


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project proponent under the provisions of Section 19 of the Environment (Protection) Act 1986 as per the EIA notification dated 14.03.2017 and 08.03.2018.

In view of the above, the authority, after discussions decided to consider the proposal after obtaining the details regarding action taken under Section 19 of the Environment (Protection) Act 1986 as per the EIA notification dated.14.03.2017 and amended 08.03.2018.

29. File No: 7915

To consider the grant of Environmental Clearance Amendment for the proposed construction of 736 EWS tenements survey No. 4123/1Pt of Andimanyathottam Village, Mylapore Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s. Tamil Nadu Slum Clearance Board).

The authority noted the following:

- i) EC was issued to the project proponent M/s. Slum Clearance Board vide Lr.No.SEIAA-TN/F.No.7915/EC/8(a)/809/2021 dated.10.03.2022 for the proposed construction of 736 EWS Tenements. The proposal involved a land area of 11552.25 Sq.m with a built-up area of 29,462.94 Sq.m.
- ii) Now, the proponent has submitted an application in Form – 4 vide Proposal No. SIA/TN/MIS/303279/2023 dated.17.08.2023, seeking the following amendments in the above mentioned EC dated.10.03.2022.

S.No	Description	Existing EC	Amendment Sought
1	Total Built up area	29462.94 Sq.m (Existing – 2203.58 Sqm & proposed – 27259.36 Sqm)	29289.29 Sq.m (Existing – 2203.58 Sqm & proposed – 27085.71 Sqm)
2	No of Dwelling Units	736 Nos. (Existing – 60 DU's & Proposed – 676 DU's)	762 Nos. (Existing – 60 DU's & Proposed – 702 DU's)
3	Number of Blocks	Block 1 – S +13 floors Block 2 – S +13 floors Block 3 – S +13 floors	Block A – S + 13 floors Block B – S +13 floors Block C – S + 4 floors


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			Block D – S + 5 floors
4	Project Description	Proposed Construction of 736 EWS Tenements (Existing – 60DU's & Proposed – 676 DU's) with 3 blocks having S + 13 floors with total built up area of 29,462.94 Sqm (Existing – 2203.58 Sqm & Proposed - 27259.36 Sqm)	Proposed Construction of 762 EWS Tenements (Existing – 60 DU's & Proposed – 702 DU's) Comprised of 4 blocks (Block A – S + 13 Floors, Blocks B – S + 13 floors, Block C – S + 4 floors Block D – S + 5 floors) with total built up area of 29289.29 Sqm (Existing – 2203.58 Sqm & Proposed – 27085.71 Sqm)
5	Cost of the Project	Rs. 85.41 Crores	Rs.118.53 Crores
6	Water Requirement	Total Water Requirement – 482 KLD Fresh Water Requirement -311 KLD Recycled Water – 164 KLD	Total Water Requirement – 529 KLD Fresh Water Requirement – 348 KLD Recycled Water – 181 KLD
7	Treatment Plant	Grey Water treatment Plant – 300 KLD	Sewage Treatment Plant – 200 KLD
8	Solid Waste Generation	Total Solid Waste Generation – 2119.4 kg/day Biodegradable Solid Waste – 1271.64 kg/day Non-biodegradable Solid Waste – 847.76 kg/day	Total Solid waste generation – 1943 kg/day Biodegradable Solid Waste – 777.2 kg/day Non-biodegradable Solid Waste – 1165.8 kg/day

In view of the above, the authority decided to forward the amendment request to SEAC for seeking recommendations/remarks of the Committee.

Annexure 'A'

a) EC Compliance

1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental


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Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.

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

b) Applicable Regulatory Frameworks

5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the Biological Diversity Act, 2002, Biological diversity Rules, 2004 & TN Forest Act, 1882 and Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

c) Safe mining Practices

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


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and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

d) Water Environment – Protection and mitigation measures

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.
13. Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR/TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.

e) Air Environment – Protection and mitigation measures

17. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.
18. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.


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19. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.

f) Soil Environment – Protection and mitigation measures

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.

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

22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.

23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.

24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.

25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.

26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.

27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.

28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.

g) Noise Environment – Protection and mitigation measures

29. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.

30. The sound at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to


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mining operations. Hence, the PP shall ensure that the biological clock of the villages are not disturbed because of the mining activity.

h) Biodiversity - Protection and mitigation measures

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.
33. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
34. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
35. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

i) Climate Change

36. The project activity should not in any way impact the climate and lead to a rise in temperature.
37. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
38. Intensive mining activity should not add to temperature rise and global warming.
39. Operations should not result in GHG releases and extra power consumption leading to Climate Change.
40. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.


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41. Mining Operation should not result in droughts, floods and water stress, and shortages. affecting water security both on site and in the vicinity.
42. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
43. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

j) Reserve Forests & Protected Areas

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

k) Green Belt Development

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

l) Workers and their protection

55. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should


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be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.

56. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
57. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

m) Transportation

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

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

n) Storage of wastes

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

o) CER/EMP


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

p) Directions for Reclamation of mine sites

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


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nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.

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

Annexure 'B'

Cluster Management Committee

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


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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

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.


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

Water Environment

23. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.


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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

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


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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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