

MINUTES

661st MEETING

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY-TAMIL NADU

Date: 09.10.2023 & 10.10.2023

**MINUTES OF THE 661st MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 09.10.2023 & 10.10.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 660 th meeting of the Authority held on 06.10.2023.		The minutes of the 660 th meeting of the Authority held on 06.10.2023 was confirmed.
b)	The Action taken on the decisions of the 660 th meeting of the Authority held on 06.10.2023.		The Member Secretary informed that 660 th Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	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 & 04.10.2023 for the additional particulars sought in the 621st Authority meeting held on 23.05.2023 and 653rd Authority meeting held on 11.09.2023. The authority after detailed discussion accepts the recommendation of SEAC in its 374th SEAC meeting held on 03.05.2023. 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 49212 Cu.m of Gravel for an ultimate depth of 2m BGL and for a period of 2 Years. 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>


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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


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			<p>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 of 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>
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2. File No: 9441
Proposed Construction of Residential Building in S.Nos:101/1A, 1B, 2, 3A, 3B, 102/1A, 1B, 2, 103, 104/1A, 1B, 1C, 1D, 1E1, 1E2, 2A, 2B, 2C, 3A, 3B, 105/1A, 2A, 1B, 2B1, 2B2, 2C1, 2C2, 3A, 3B, 4A1, 4A2, 4B1, 4B2, 4C1, 4C2, 4C3A, 4C3B, 4C4, 5A, 5B, 116/1A, 1B, 1C, 2, 3A, 3B, 3C, 3D, 4, 5A, 5B, 5C, 6, 117/1A, 1B, 1C, 2A, 2B, 2C, 118/1, 2A, 2B, 2C, 2D, 3A, 3B, 119/2A, 2B1, 2B2, 2B3, 2B4, 2C, 2D, 2E, 120, 121/1A, 1B, 1C, 1D, 2, 3A, 3B, 3C, 3D, 4A, 4B, 122/1A1B of Nemmeli Village, Thirupporur Taluk, Chengalpet District, Tamil Nadu by M/s Kairav Developers Limited – Amendment for Environmental Clearance. (SIA/TN/MIN/299217/2023)

The authority noted that the proponent has furnished reply Dt: 16.09.2023 for the additional particulars sought in the 646th Authority meeting held on 09.08.2023. The authority noted that SEAC in its 395th meeting held on 27.07.2023 has recommended for the grant of amendment of Environmental Clearance as requested by the PP as follows subject to all the other conditions stipulated vide EC Letter No. SEIAA-TN/F.No.9441/EC/8(a)/890/2022 dated: 28.11.2022.

S.No.	Amendment requested by PP	Amendment Recommended by SEAC
Part C-Specific Condition, Construction phase: S.No.13. Green Belt Development		
1.	(ii) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan	The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area inside the project and provide at least one row of trees all along the boundary. The same


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to be submitted for CMDA/DTCP approval.	shall be included in the layout out plan to be submitted for CMDA/DTCP approval.
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Part C – Specific Condition, Construction phase: S.No.15. Rain Water Harvesting

2.	(i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc. shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	(i) The proponent shall ensure that roof rainwater collected from the covered roof of the buildings, etc. shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate RWH Structures so that 100% of the storm water shall be recharged.
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Part D – Specific Condition, - Operational Phase/Post construction phase/Entire life of the project:S.No.5.

3.	Solar energy saving shall be increased to at least 10 % of total energy utilization.	Solar energy saving shall be increased to at least 5% of total energy utilization.
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SEAC – Specific Conditions, S.No.27.

4.	Generation of the solar / renewable energy should not be less that 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas. Street lighting etc.	Generation of the solar/renewable energy should not be less than 5% of total energy utilization. Application of solar energy should-be utilized maximum for illumination of common areas, Street Lighting etc.
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Change in the Name of the Project

5.	Proposed construction of residential building by M/s. Kairav Developers limited.	Proposed Construction of Residential Building “Ashiana Swarang” by M/s Kairav Developers Limited.
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In this connection, the authority after detailed discussion accepts the recommendation of SEAC in its 395th meeting held on 27.07.2023 and decided to grant of amendment of Environmental Clearance as recommended by SEAC in the EC issued vide Lr. No. SEIAA-TN/F.No.9441/EC/8(a)/890/2022 dated:


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	28.11.2022 and the same shall be amended and substituted subject to all the other conditions stipulated vide EC Lr. No. SEIAA-TN/F.No.9441/EC/8(a)/890/2022 dated: 28.11.2022 remains unaltered.		
3.	Existing Fire Clay Quarry lease over an extent of 4.13.5Ha S.F. Nos:434/1, 434/3(Part) & 435/1 Therani Village, Alathur Taluk, Perambalur District by Tvl. S.S. Minerals - For Terms of Reference. (SIA/TN/MIN/430948/2023)	10085	<p>The authority noted that the proponent has furnished reply Dt: 04.10.2023 for the additional particulars sought in the 643rd Authority meeting held on 01.08.2023. The authority after detailed discussion accepts the recommendation of SEAC in its 393rd meeting held on 20.07.2023. SEAC has furnished its recommendations for granting Terms of Reference (ToR) along with Public Hearing subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minute.</p> <ol style="list-style-type: none"> 1. The project proponent shall prepare mine closure considering quantity of Topsoil & Weathered rock any. 2. The DFO letter stating that the proximity distance from Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
4.	Proposed Rough stone quarry over an extent of 1.23.0 Ha at S.F.Nos. 289/1, 290/1B & 290/2 of Karudayampalayam Village, Pugalur Taluk, Karur District, Tamil	9158	The Authority noted that the subject was appraised in the 396 th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. Subsequently, this subject


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Nadu by M/s. Ram Blue Metals –
For Environmental Clearance.
(SIA/TN/MIN/424880/2023)

was placed in the 647th Authority meeting held on 21.08.2023. After detailed discussions, the Authority decided to obtain details stated therein for further course of action. Now, the PP has submitted a reply vide letter dated 16.09.2023. The reply was placed in the 661st Authority meeting held on 09.10.2023 & 10.10.2023.

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 94,858 m³ of rough stone up to the depth of 30m BGL and the annual peak production should not exceed 21038 m³ of rough stone.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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


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			<p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
5.	Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. NTC Blue Metals LLP – For Environmental Clearance (SIA/TN/MIN/417641/2023)	8598	The Authority noted that the subject was appraised in the 396 th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. Subsequently, this subject was placed in the 647 th Authority meeting held on 21.08.2023. After detailed discussions, the Authority decided to obtain additional details stated therein for further course of action. Now, the PP has submitted a reply vide letter dated:27.09.2023. The reply was placed in the 661 st Authority meeting held


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on 09.10.2023 & 10.10.2023.

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 42,712 m³ of rough stone & 7888 m³ of Gravel up to the depth of 25m BGL and the annual peak production should not exceed 9120 m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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


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			<p>Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
6.	<p>Proposed Rough Stone & Gravel quarry lease over an extent of 4.07.5 Ha (patta land) at S.F. Nos: 1/1, 1/2, 1/3 & 4/1 of Pallakapalayam Village, Kumarapalayam Taluk, Namakkal District, Tamil Nadu by Thiru.K. Palanisamy -For Environmental Clearance (SIA/TN/MIN/289439/2022).</p>	9467	<p>The Authority noted that the subject was appraised in the 397th meeting of SEAC held on 03.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. Subsequently, the subject was placed in the 648th meeting of Authority held on 22.08.2023. After detailed discussions, the Authority decided to obtain additional details stated therein. Now, the PP has submitted a reply vide letter dated:27.09.2023. The reply was placed in the 661st Authority meeting held on 09.10.2023.</p> <p>The Authority further noted that lease was granted for a period of 5 years. The lease deed was executed on 18.02.2017 and lease period valid from 18.02.2017 to 17.02.2022. Subsequently, the PP has</p>


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			<p>applied for extension of lease period from 5 to 10 years as per G.O.(Ms).No.208. Hence, the PP shall submit a Copy of valid mining lease approval letter obtained from the competent Authority.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
7.	Proposed Construction of High-Rise Residential Building at T.S.No. 156/3 of Perambur Village, Perambur Taluk, Chennai District, Tamil Nadu by M/s. Casagrand Builder Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/433006/2023).	10144	<p>The Authority noted that the subject was appraised in the 398th meeting of SEAC held on 04.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. Subsequently, this subject was placed in the 649th meeting of Authority held on 23.08.2023. After detailed discussions, the Authority decided to obtain additional details stated therein for further course of action. Now, the PP has submitted a reply vide letter dated:26.09.2023. The reply was placed in the 661st Authority meeting held on 09.10.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'C' of this minutes in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the Competent authority before obtaining CTE from TNPCB.
8.	Proposed Rough stone & Gravel lease over an extent of 4.40.0 Ha at	10139	<p>The subject was earlier placed in the 644th meeting of Authority held on 07.08.2023. The Authority noted</p>


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	<p>S.F.Nos. 775/1E (P), 776/3, 777/1, 778/1A (P), 807/2B & 807/2C2 Anjur Village, Pugalur Taluk, Karur District, Tamil Nadu by Thiru.P. Ravi – For Terms of Reference. (SIA/TN/MIN/432831/2023)</p>		<p>that the subject was placed in the 394th meeting of SEAC held on 21.07.2023 and the NABET consultant has informed the SEAC that the Proponent intends to withdraw the proposal and the Committee has deferred the proposal to allow SEIAA to accept the withdrawal request of the Project Proponent.</p> <p>After detailed discussions, the Authority decided to seek the following document from the Project proponent:</p> <ul style="list-style-type: none"> Valid Certified compliance report for the existing quarry from the competent Authority. <p>On receipt of the same the Authority will further deliberate and decide on future course of action.</p> <p>The subject of withdrawal request made by the PP was taken up for discussion in this 661st meeting of Authority held on 09.10.2023 & 10.10.2023 and the Authority noted that the PP is yet to furnish the CCR for the EC issued by DEIAA for the existing quarry. On receipt of the same the Authority will further deliberate and decide on future course of action.</p>
9.	<p>Existing Devarmalai Limestone Mine over an area of 166.535Ha in Devarmalai and Melapagudi villages, Kulilthala Taluk, Karur District, Tamil Nadu by M/s. Chettinad Cement Corporation Private Limited- Extension of validity of Environmental Clearance</p>	9947	<p>The Authority noted that the subject was appraised in 384th meeting of SEAC held on 15.06.2023 and the Committee observed that the Project Proponent vide letter dated 15.06.2023 has reported the following: <i>We, Chettinad Cement Corporation Private Limited were granted environmental clearance for our Devarmalai Limestone Mine over an area of 166.535Ha for producing 8.0 lakh TPA of limestone in Devarmalai and Melapagudi villages Kulilthala Taluk Karur District. Tamil Nach J-11015/414/2006-IA.II(M) dated 12.09.2007.</i></p>


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		<p><i>At the time of grant of EC, Reserves in approved mining plan was 12.653 Million Tons based on which, the life of mine is mentioned in preamble of EC as 16 years as per then approved Mining Plan (Based on the exploration level carried out as on 2007 & 0.8 Million Tons per annum production level).</i></p> <p><i>Subsequent to the approved mining plan obtained in 2007, we had carried out Exploration and UNFC reserves increased from 12.653 Million Tons to 47.66 Million Tons. Hence our Mine life based on approved mining plan is around 59.5 years. As per the MOEFCC notification di 12. Apr 2022 "The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier"</i></p> <p><i>With reference to above notification, our current EC is valid for 30 years ie., from 12.09.2007 to 11.09.2037 based on the mine life calculated as per reserves proved in the current approved mining plan. As such, we requested for amendment of mine life mentioned in the existing EC and Validity of the EC upto 11.09.2037.</i></p> <p><i>But our Current Approved Mining plan period is valid upto March 2024 We are in the process of obtaining approval for review the Mining plan for a further period of five year i.e, upto March 2029. We are in the application stage. Hence, we would like to reapply later after obtaining approval of Review of Mining plan for the period upto March 2029.</i></p>
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			<p><i>In the view of above, we would like to withdraw the application (Proposal No: SIA/TN/MIN/414400/2023. SELAA File No 9947). Based on the above, we would like to Intimate that we are not attending the scheduled SEAC appraisal of the above said proposal planned on 16.06.2023 Sl. No 19.</i></p> <p><i>Kindly consider the above request and consider our withdrawal proposal and return our application</i></p> <p>The Committee, therefore, decided to defer the proposal to allow SEIAA to consider the withdrawal request of the Project Proponent.</p> <p>The Authority, after detailed discussions decided to consider the withdrawal request of the Project Proponent after the present mine plan period and to instruct the Project Proponent to submit the next scheme of mining duly approved by the Competent Authority along with latest CCR after the current mining plan period.</p> <p>The PP furnished reply and hence the subject was taken up for discussion in this 661st meeting of SEAC held on 09.10.2023 & 10.10.2023. The Authority noted that the PP has not furnished the details sought in his letter dated 10.08.2023. Hence the Authority decided to refer back the subject to SEAC stating that SEAC may call for the CCR and other prime documents needed for accepting the withdrawal request.</p>
10.	Proposed of Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur Taluk,	8599	The subject was earlier placed in this 647 th meeting of Authority held on 21.08.2023. The Authority noted that the subject was placed in the 396 th meeting of SEAC held on 27.07.2023 and the SEAC has


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Karur District, Tamil Nadu - M/s.
NTC Blue Metals LLP – For
Environmental Clearance
(SIA/TN/MIN/417665/2023)

furnished its recommendation for the grant of
Environmental Clearance for the project subject to
the conditions stated therein.

After detailed discussions, the Authority decided to
call for the following details/documents from the
Project Proponent:

1. 1 Report on action taken by DGMS against
the Project Proponent with respect to the
accident occurred in the Project proponent's
quarry.
2. Report of AD/Mines regarding the accident
that happened at the Project proponent's
quarry.
3. Details of criminal case filed against the PP
in this regard and its status.
4. KML file reveals presence of an existing pit
at the project site. Hence the PP shall obtain
letter from AD/Mines detailing the quantity
of the mineral mined out, illicit mining
/violation, if any, the balance quantity of
mineral available, details of mineral mined
outside the mine lease area (within the lease
land) and complaints received against the
quarry.

On receipt of the details sought above, the Authority
will deliberate further and decide on future course of
action. The PP furnished reply vide letter dated
24.09.2023 and hence the subject was taken up for
discussion in this 661st meeting of Authority held on
09.10.2023 & 10.10.2023. The Authority carefully
examined the details furnished by the PP and decided
to **grant Environmental Clearance for the
quantity of 205680 m³ of Rough stone and 8064 m³**


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of Gravel up to the restricted depth of 35m BGL and the annual peak production should not exceed 48315 m³ of Rough stone as per the approved mining plan taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining. This is also subject to the standard conditions as per Annexure - (1) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF & CC's notification S.O.1533(E) dated 14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept and TNPCB completion of mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF & CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. As per the OM vide F. No. 1A3-22/1/2022-IA-III (E-172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental


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			<p>conditions prescribed in the prior environmental clearance letters) 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>
11.	<p>Proposed Rough stone & gravel quarry lease over an extent of 0.99.0Ha in S.F.Nos.48/2A, 48/2B & 49/1, Aladipatti Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Tmt S. Meenakshi - For Environment Clearance. (SIA/TN/MIN/434786/2023)</p>	9061	<p>The subject was earlier placed in the 651st meeting of Authority held on 31.08.2023. The Authority noted that the subject was appraised in 400 meeting of SEAC held on 11.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p> <p>The Authority noted that in the approved mining plan the details of Bench IV (5-year production plan) are not available. Hence the Authority directed the PP to obtain and furnish clarification from the concerned AD/Mines in this regard.</p> <p>The PP furnished reply vide letter dated 29.09.2023 and hence the subject was taken up for discussion in this 661 meeting of Authority held on 09.10.2023 & 10.10.2023. The Authority carefully examined the details furnished by the PP and decided to grant Environmental Clearance for the quantity of 66652.5 m³ of Rough stone and 39250.5 m³ of</p>


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		<p>Gravel up to depth of 36m BGL and the annual peak production should not exceed 19255.5 m³ of Rough stone and 13152m³ of Gravel as per the approved mining plan taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining. This is also subject to the standard conditions as per Annexure-(1) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated. 14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. 1A3-22/1/2022-1A-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>
12.	Proposed Rough Stone lease over an extent of 1.00.0 Ha at S.F.No.839/2(Part) in Sokkanur Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru. J. Sathyan Praveen – For Environment Clearance. (SIA/TN/MIN/431805/2023)	10115	<p>The subject was earlier placed in the 652nd meeting of Authority held on 11.09.2023. The Authority noted that the subject was appraised in 401st meeting of SEAC held on 16.08.2023 The SEAC has decided not to recommend the proposal for the grant of Environmental Clearance citing the following reasons:</p> <ol style="list-style-type: none"> 1. There are many structures including the labour sheds and cow sheds located within 300m radius of the proposed mine lease area 2. The existing trees & strong vegetation present within the mine lease area may be disturbed unnecessarily causing the ecological damage while carrying out the proposed quarrying activity. 3. The proposed area has no mining activity in the vicinity and if mining activity is allowed, it may have a negative impact on the


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	202/1(Part-A), Kondappanayanapalli Village: Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. A.M.Murugan - For Terms of Reference. (SIA/TN/MIN/431067/2023)		1. The file has been registered 2 times in the Parivesh portal due to portal error. Based on the above, the authority decided to accept the request for withdrawal of online proposal No. SIA/TN/MIN/431067/2023, Dated: 27.05.2023 considering the proponent's request for withdrawal vide letter dated 21.09.2023.
16.	Proposed Rough stone & gravel quarry lease over an extent of 2.05.0Ha at S.F.No. 1066/1(P) of Thennilai (East) Village, Pugalur Taluk, Karur District, Tamil Nadu by Tmt.L.Kamalam - For Terms of Reference.	9358	Earlier the proposal was placed in the 312 th , 328 th , 357 th SEAC meetings and 557 th , 573 rd , 589 th , 603 rd Authority meetings. The minutes of the meeting are available in Parivesh website. The Authority in its 603 rd meeting held on 20.03.23 noted that this proposal was placed for appraisal in the 312 th , 328 th , 357 th meeting of SEAC. SEAC has recommended the request made by PP for withdrawal of ToR application which may be considered by SEIAA. After detailed discussions the SEIAA raised ADS. The PP has now submitted reply for SEIAA ADS. The reply was placed in 661 st Authority meeting held on 09.10.2023 & 10.10.2023. The Authority after detailed deliberations accepted the recommendations of SEAC. In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.
17.	Proposed Rough Stone and Gravel quarry lease over an extent of 0.55.5 Ha in S.F.No. 267/5, Pogalur Village, Peranampattu Taluk, Vellore District, Tamil Nadu by Thiru G. Nagesh- For	9766	The authority noted that this proposal was placed for appraisal in 397 th meeting of SEAC held on 03.08.2023. Based on the presentation made by the PP, the SEAC recommend the proposal for grant of EC. In view of the above, the authority raised ADS. The PP has now submitted reply for SEIAA ADS.


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	<p>Environmental Clearance. (SIA/TN/MIN/413535/2023)</p>		<p>The reply was placed in 661st authority meeting held on 09.10.2023 & 10.10.2023.</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, SEIAA decided to grant Environmental Clearance for the quantity of 31,839m³ of Rough stone up to the depth of mining 26m AGL and the annual peak production should not exceed 6,595m³ of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
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			<p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
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18. File No: 9384
 Construction of Multistoried Residential project at SF. Nos. 34/3, 35/3, 36/1, 36/2, 37, 38, 39/1, 39/2, 39/3, 40, 41, 51/1, 51/2, 52/3, 53/2, 164/1, 164/2, 196, 197, 202/1, 203/1, 203/2, 203/3, 204/1, 204/2, 204/3, 204/4, 204/5, 205, 206/1, 206/2, 206/3, 207/1, 207/2, 221, 223/1 and 223/2 Mahindra World City, Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s. Ashiana Housing Limited - For Amendment in Environmental Clearance. (SIA/TN/MIS/301208/2023)

The authority noted that the proponent has furnished reply Dt: 16.09.2023 for the additional particulars sought in the 646th Authority meeting held on 09.08.2023. The authority noted that SEAC in its 395th meeting held on 27.07.2023 has recommended for the grant of amendment of Environmental Clearance as requested by the PP as follows subject to all the other conditions stipulated vide EC Letter No. SEIAA-TN/F.No.9384/EC/8(a)/883/2022 dated: 08.11.2022.

S.No.	Conditions as per Existing EC	Amendment Recommended by SEAC
Part C-Specific Condition, Construction phase: S.No.13. Green Belt Development		
1.	(ii) The proponent has to earmark the greenbelt area with dimension and GPS	The proponent has to earmark the greenbelt area with dimension and GPS

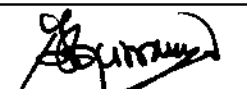

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	<p>coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.</p>	<p>coordinates for the green belt area inside the project and provide at least one row of trees with 1.5m green cover wide all along the boundary. The same shall be included in the layout plan to be submitted for CMDA/DTCP approval.</p>
<p>Part C – Specific Condition, Construction phase: S.No.14. Sewage Treatment plant</p>		
<p>2.</p>	<p>(i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.</p> <p>(ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.</p> <p>(iii) The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.</p> <p>(iv) The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.</p> <p>(v) The project proponent has to ensure the complete recycling of treated</p>	<p>The Project proponent shall treat the entire sewage treated through the Common STP of MWC.</p>


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	<p>Sewage & Effluent water after achieving the standards prescribed by the CPCB.</p> <p>(vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.</p>	
Part C – Specific Condition, Construction phase: S.No.15. Rain Water Harvesting		
3.	(i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc. shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	(i) The proponent shall ensure that roof rainwater collected from the covered roof of the buildings, etc. shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 60KL of the harvested water shall be reused.
Part D – Specific Condition, - Operational Phase/Post construction phase/Entire life of the project:S.No.5.		
4.	Solar energy saving shall be increased to at least 10 % of total energy utilization.	Solar energy saving shall be increased to at least 4% of total energy utilization.
SEAC – Specific Conditions, S.No.23.		
5.	Generation of the solar / renewable energy should not be less than 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas. Street lighting etc.	Solar energy saving shall be increased to at least 4% of total energy utilization.
Other Modification		
6.	Proposal for disposal of excess Rainwater into the Lake instead of	The excess Rainwater shall be disposed of in the lake.


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	disposing it through the common storm water drain of MWCDL as proposed earlier.		
Change in the Name of the Project			
7.	Proposed Multistoried Residential project by M/s Ashiana Housing Limited.	Proposed Multistoried Residential project by M/s Ashiana Vatsalya.	
<p>In this connection, the authority after detailed discussion accepts the recommendation of SEAC in its 395th meeting held on 27.07.2023 and decided to grant of amendment of Environmental Clearance as recommended by SEAC in the EC issued vide Lr. No. SEIAA-TN/F.No.9384/EC/8(a)/883/2022 dated: 08.11.2022 and the same shall be amended and substituted subject to all the other conditions stipulated vide EC Lr. No. SEIAA-TN/F.No.9384/EC/8(a)/883/2022 dated: 08.11.2022 remains unaltered.</p>			
19.	Proposed Rough stone & Gravel quarry lease over an extent of 2.54.0Ha at S.F.No. 125/1, 125/5, 140/4, 140/6A, 140/6B, 140/7, 140/8, 141, 142/8A, 142/8B, 142/5B, 142/6, 142/7, 142/9, 142/11 & 142/12, Udaiyalipatti Village, Kulathur Taluk, Pudukottai District, Tamil Nadu by Tmt.L.Kamalam - For Terms of Reference validity extension.	7455	<p>After detailed discussion, the authority noted as follows:</p> <ol style="list-style-type: none"> 1. The proponent Thiru. R. Rajmohan has obtained Terms of Reference vide Lr No.SEIAA-TN/F.No.7455/SEAC/TOR-738/2020 Dated:12.08.2020 for the proposed Rough Stone quarry lease area over an extent of 2.54.0 Ha at S.F.No. 125/1, 125/5, 140/4, 140/6A, 140/6B, 140/7, 140/8, 141, 142/8A, 142/8B, 142/5B, 142/6, 142/7, 142/9, 142/11 & 142/12 of Udaiyalipatti Village, Kulathur Taluk, Pudukottai District, Tamil Nadu. 2. Now, the proponent has applied for extension of validity of earlier issued ToR in Form-5 vide SIA/TN/MIN/302258/2023, dated: 14.07.2023. <p>In view of the above, the authority has decided to refer back the proposal to SEAC for remarks and recommendations.</p>


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20.	Proposed Rough Stone quarries over an extent of 2.00.0ha at S.F.No. 146 (part - 2a) in Mallapuram Village, Sankarapuram Taluk, Viluppuram District, Tamil Nadu by the Thiru. S. Imran- For Environmental Clearance	Old file 7315 New file 8715	<p>After detailed discussion, the authority noted as follows:</p> <ol style="list-style-type: none"> 1. The project proponent, Thiru. S. Imran earlier applied seeking Environment Clearance (File No. 7315/2019 and Online Proposal No. SIA/TN/MIN/129774/2019 dated: 05.12.2019) for the Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha in S.F.No. 146 (Part-2A), Mallapuram Village, Sankarapuram Taluk, Viluppuram District, Tamil Nadu. 2. Now, the proponent has filed a new application (File No. 8715/2021 & Online Proposal No. SIA/TN/MIN/224458/2021, dated: 12.08.2021) for the same project by suppressing the earlier decision of SEAC and SEIAA. <p>In view of the above, the Authority, after discussions, rejected the proposal and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent. Further, Authority decided to close and record this proposal.</p>
21.	To consider the proposal for the grant of Environmental Clearance validity extension for the Existing Lime stone quarry lease over an extent of 4.09.5Ha by M/s. Murali Enterprises at S.F.Nos. 24/1F, 29/2B, 29/2F, 34/1, 34/2, 34/3, 34/4, 34/5, 34/6, 34/7, 34/8, 34/9, 34/10, 34/11, 34/12 & 34/13 of Pandapuli	6174	<p>After detailed discussion, the authority noted as follows:</p> <ol style="list-style-type: none"> 1. The proponent M/s. Murali Enterprises has obtained Environmental Clearance under violation category vide Lr.No.SEIAA-TN/F.No.6174/1(a)/EC.No: 5216/2022, dated: 17.08.2022 for the existing Limestone quarry lease area over an extent of 4.09.5 Ha at S.F.No. 24/1F, 29/2B, 29/2F, 34/1, 34/2, 34/3, 34/4, 34/5, 34/6, 34/7, 34/8, 34/9,


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	<p>Village, Sankarankovil Taluk, Tirunelveli District, Tamil Nadu.</p>		<p>34/10, 34/11, 34/12 & 34/13 of Pandapuli Village, Sankarankovil Taluk, Tirunelveli District, Tamil Nadu.</p> <p>2. Now, the proponent has applied for extension of validity of earlier issued EC in Form-6 vide SIA/TN/MIN/298942/2023, dated: 24.03.2023 as per MoEF&CC Notification S.O. 1807(E) dated: 12.04.2022 and MoEF&CC O.M. dated: 13.12.2022.</p> <p>The PP has furnished the approved Review of Mining Plan for the period from 2023-24 to 2027-28 obtained from the Indian Bureau of Mines, Chennai vide Letter No. TN/TNL/LST/ROMP-1708.MDS dated 09.02.2023.</p> <p>3. Meanwhile, the Proponent vide letter received dt.25.08.2023 has applied for releasing of the Bank Guarantee of Rs. 7,56,700/- given to TNPCB dated 21.08.2021 along with copy of Certified Compliance Report (CCR) received from Integrated Regional Office (IRO), MoEF&CC, Chennai vide Letter No. EP/12.1/2023-24/SEIAA/73/TN/1011 dated 22.08.2023. The PP has also furnished the copy of CTO obtained from TNPCB.</p> <p>In view of the above, the authority has decided to refer back the proposal to SEAC for remarks and recommendations.</p>
22.	<p>Proposed for the construction of residential development in S.No. 90/1, 90/2, 92/2, 91/1A2, 91/2B,</p>	9110	<p>The subject was earlier placed in the 649th meeting of Authority held on 23.08.2023. The Authority noted that the subject was appraised in 398th meeting of</p>


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91/3B, 91/1A1, 91/1B, 91/2A, 91/3A, 92/1, 95/2, 94/2B, 95/1B, 94/1B, 95/1A, 99/4,105, 94/2B, 95/1B, 96,104, 94/1A, 94/2A, 99/3 of Valasaravakkam Village, Maduravoyal Taluk Chennai District. Tamil Nadu by M/s.Landmark Metro Projects Pvt. Ltd. - For Environmental Clearance. (SIA/TN/MIS/72653/2022)

SEAC held on 04.08.2023 and SEAC has furnished its recommendations for the grant of Environmental Clearance for the project subject to the conditions stated therein.

After detailed discussions, the Authority decided to seek the following additional particulars from the Project Proponent:

1. The PP shall furnish reason for filing a new TOR application for this project and when the same is pending, the PP has applied additionally this EC application.
2. The PP shall furnish the copy of fresh water supply commitment letter and disposal of excess treated water from the local body /Metro Water/TWAD.
3. The PP shall furnish copy of NoC obtained from AAI, Departments of Fire, Traffic and Disaster Management.
4. The PP shall furnish the environmental policy approved by the Board of Directors.

On receipt of the details sought above, the Authority will further deliberate and decide on future course of action. The PP furnished the details sought and hence the subject was taken up for discussion in this 661st meeting of Authority held on 09.10.2023 & 10.10.2023. The Authority carefully examined the details furnished by the PP and decided to **grant Environmental Clearance** as recommended by the SEAC subject to the conditions stated therein & the normal conditions stated in **Annexure C** in addition to the following conditions;

1. The proponent shall deploy cost-effective technology to reduce GHG emissions.


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		<ol style="list-style-type: none"> 2. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building. 3. The proponent shall adopt strategies to reduce emissions during operation (operation phase and building materials). 4. The proponent shall adopt strategies to decarbonize the building. 5. The proponent shall adopt strategies to maintain the health of the inhabitants. 6. The proponent shall adopt strategies to reduce electricity demand and consumption. 7. The proponent shall provide provisions for automated energy efficiency 8. The proponent shall provide provisions for controlled ventilation and lighting systems 9. The proponent shall adopt strategies to reduce temperature including the Building Façade. 10. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001. 11. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.
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		<p>12. The proponent shall adopt methodology to control thermal environment and other shocks in the building.</p> <p>13. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO₂, CH₄ nitrous oxide, etc., resulting from human activities.</p> <p>14. The database record of environmental conditions of all the events from pre- construction, construction and post-construction should be maintained in digitized format.</p> <p>15. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.</p> <p>16. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>17. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>18. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p> <p>19. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p> <p>20. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.</p> <p>21. The proponent shall develop detailed plan to reduce carbon footprints and also develop</p>
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			<p>strategies for climate proofing and climate mitigation.</p> <p>22. The proponent shall adopt strategies to ensure that the buildings in blocks do not trap heat and become local urban heat islands.</p> <p>23. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.</p> <p>24. The proponent shall adopt strategies to prevent bird hits.</p> <p>25. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.</p> <p>26. The proponent shall develop detailed evacuation plan for disabled people and a safety evacuation plan in emergencies.</p>
23.	<p>Proposed Construction of Residential & Commercial Development building S.F.No. 701/1A, 701/1B, 701/2A, 701/2B, 702/1(pt), 702/1A, 702/1B, 702/1C, 702/1D, 702/2 and 761/2, T. S. No. 1/2, 1/3 & T. S. No. 2, Block No. 20 Madhavaram Village, Madhavaram Taluk Thiruvallur District, Tamil Nadu by M/s. Alliance Villas Pvt. Ltd - Issue of Terms of Reference (ToR) under violation</p>	9469	<p>The authority noted that the subject was earlier appraised in 389th SEAC meeting held on 06.07.2023.</p> <p>During the presentation, SEAC noted that</p> <ul style="list-style-type: none"> i. The proposed site has a valid Environmental Clearance issued in the name of M/s Tamil Nadu Maheswari Foundation vide Lr.No. SEIAA/TN/F.5597/2016/ EC/8(a)/577/2018 dt: 09.05.2018. ii. Further, the Environmental clearance was issued for the Construction of Residential Buildings, Commercial Buildings (Kalyana Mandabam, Club House) and Institutional


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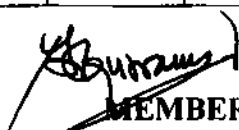
Building (Nursery & Primary School) Project.

iii. The EIA Coordinator disclosed that the proponent M/s Alliance Villas Pvt. Ltd has constructed an office building which is not part of the earlier obtained Environmental Clearance.

1. As per MoEF&CC Office Memorandum vide F.No. IA3-22/10/2022-IA.III dated: 05.05.2022 – Clarification with regard to non-requirement of EC amendment due to change in conceptual plan arising out of statutory requirements in building and construction sector, para 5, 6 & 7 states as follows.

“...5. Accordingly, matter has been examined and it has been decided that any change in configuration/planning/design of the appraised building Project for which EC was granted shall not require amendment of EC, subject to no change in (i) Built Up Area (ii) Floor Area Ratio (FAR) (iii) change in exterior spaces/green belts, parking, walkways and driveways that are covered including attics and outdoor sports courts. Further there shall be no change in the designated use


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of the building, number of dwelling units, height of the building, number of floors & basements and total excavation of earth of the building/construction/ township/ area development project so as not to require any changes in the already approved Environmental Impact Analysis (EIA) and Environmental Management Plan (EMP).

2. Any addition, alteration, modification in the conceptual plan, as stated at para- 6 of the EIA Notification 2006, for which prior EC was granted other than the changes falling under the category of permissible changes as explained in para 5 above which results in the increase in pollution of any type beyond the approved levels necessitating fresh EIA/EMP shall be treated as Violation and shall be dealt with accordingly as per the provisions of the Office Memorandum dated 7th July 2021.”
3. SEAC noted, through Google maps and the photographs submitted by the proponent and also details contained in the complaint letter, that the PP has commenced construction of at least


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two framed structures, not covered by the previous EC.

In the light of the above facts and Office Memorandum cited above, the Committee decided to (1) reverse its earlier recommendation, (2) treat this as a violation category and (3) **recommend for the grant of sector specific standard Terms of Reference (ToR) under violation category** in 3 parts for the project, for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact Assessment report by the Accredited consultant and also with collection and analysis of data for the assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of Environment in addition to the following ToRs:

1. **This ToR is issued subject to the outcome of the court case filed before the Hon'ble High Court of Madras (Madurai Bench) vide W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India challenging the SoP for violation proposals dated 07th July 2021.**
2. **No construction shall be initiated at the project site without obtaining prior Environmental Clearance.**


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Subsequently, the proposal was placed in 639th SEIAA meeting held on 18.07.2023. The authority after detailed deliberation decided that

1. The proponent has stated in his presentation as

"...We have initiated to surrender the existing environmental clearance through Parivesh Portal, but, but online surrender facilities is not enabled in Parivesh Portal."

Hence, in the view of the above, in order to verify the proponent's claim that there is no provision for surrender of EC, Authority decided to defer the proposal.

Now the PP has submitted a representation received by this office on 24.08.2023. Based on the representation, the proposal was placed before 661st SEIAA meeting held on 09.10.2023 & 10.10.2023.

The authority after detailed deliberation, noted the following

1. The proponent has requested authority to consider the proposal under regular category.
2. The proponent M/s Maheswari Foundation has no objection in transferring the earlier obtained Environmental Clearance in the name of M/s Maheswari Foundation to M/s. Alliance Villas Pvt. Ltd.

Hence, in the view of the above, authority decided that the proponent's request to consider the proposal under normal category as against the committee's decision to issue Terms of Reference under violation category, has no substantial evidence and justification to consider under normal category and hence, Authority decided that proponent's request to


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			<p>consider the proposal under normal category is hereby not considered.</p> <p>Further, Authority decided to call for additional details with respect to name change only as follows</p> <ol style="list-style-type: none"> 1. The PP shall submit details of Physical process made on the project / facilities / activities for which environmental clearance was granted earlier. 2. The PP shall submit No Objection from the transferor. 3. The PP shall submit undertaking by transferee stating regarding acceptance of the terms and conditions was granted. 4. The PP shall submit Copy of Transfer of the firm from competent authority. 5. The PP shall submit Covering Letter duly signed by the project proponent or authorized person. <p>Upon the receipt of the above-mentioned details, further deliberation shall be done.</p>
24.	Proposed Garnet Sand quarry to an extent of 3.25.0 Ha located at S.F.No. 391/3B at M. Kalathur Village, Thottivam Taluk, Trichirappali District by M/s. Nexus Corporate - Extension of Terms of Reference	638	The Authority noted that the PP is yet to apply online for extension of Terms of Reference issued vide SEIAA Lr. No. SEIAA/F.No.638/M-XXXIII/TOR-106/2012 dated 29.01.2013. Hence the Authority decided that the PP has to apply afresh seeking ToR as the validity of existing ToR has expired.
25.	Existing Black Granite Quarry over an extent of 3.38.5 Ha. at S.F.No. 935 of Aijanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil	2474	The Authority noted that the PP has applied for reappraisal of the project proposal by SEIAA for which EC has been issued by DEIAA in compliance to the order of the Hon'ble NGT in O.A 142 of 2022 as per the Guidelines stipulated in MoEF &CC OM


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	Nadu Minerals Limited - For Extension of Environmental Clearance. (SIA/TN/MIN/295982/2023)		F.No. IA3-22/11/2023-IA III (E- 208230), dated: 28.04.2023. Hence the Authority decided to request the Member Secretary to place the subject before SEAC for appraisal.
26.	Existing Grey Granite quarry lease over an extent of 1.26.0 Ha in S.E. Nos. 110/3A(P) 110/381 & 116/2A2(P), Kondappanavanapalli Village, Bargur (Formerly Krishnagiri) Taluk, Krishnagiri District by M/s. S.M. Exports - For extension of Environmental Clearance (SIA/TN/MIN/196684/2021)	4945	The Authority noted that the PP has applied for extension of validity of Environmental Clearance dated 07.09.2022 till project life as per the MoEF & CC notification 12.04.2022 and 13.12.2022 The Authority after detailed discussions decided to call for the certified compliance report from the competent Authority for the existing quarry.
27.	Existing Multicolour Granite quarry lease over an extent of 8.96.6 Ha in S.F. Nos. 348/10P), 348/2(P), 3485, 348/6, 349/1, 349/3 149/4.350/1, 350/2, 350/3, 350/5(P) & 350/6, Karapadi Village, Sathyamangalam Taluk, Erode District by M/s. Meenakshi Granites-for Environmental Clearance validity extension (SIA/TN/MIN/302867/2023)	6464	The Authority noted that the PP has applied seeking extension of validity of Environmental Clearance dated 12.03.2018 quoting MoEF & CC OM dated 13.12.2022 and furnishing valid scheme of mining. The Authority decided to request the Member Secretary to place the subject before SEAC for appraisal
28.	File No: 8282 Proposal seeking for Amendment Environmental clearance of the existing Multi Colour Granite over an extent of 2.37.0Ha in S.F.Nos.443/1A, 443/3A1, 443/3A2, 443/3A3, 443/3A4, 443/3A5, 445/1A, 445/1B, 445/1C, 445/2C, 445/2D and 445/2E of kalugur Village, Kulithalai Taluk, Karur District, Tamil Nadu by Thiru.M.S.Premkumaar.		


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The authority noted that the PP has requested for amendment of validity of Environmental Clearance as per MoEF&CC Notification Dt: 12.04.2022 & MoEF&CC O.M 13.12.2022 for the EC issued vide Lr.No. SEIAA-TN/F.No.8282/EC.No.4870/2020 dated 30.10.2021 for the production in 32622m³ of ROM, 16311m³ of Multi Colour Granite, 23950m³ of weathered Rock, and 16311m³ Reject for the period of 5 years from the date of execution of the mining lease.

In this connection, the authority after detailed discussion has decided to grant amendment of validity of Environmental Clearance as follows

EC Validity as per EC issued dated 30.10.2021	Amendment requested for validity of Environmental Clearance as per MoEF&CC Notification Dt: 12.04.2022 & MoEF&CC O.M 13.12.2022
<p>This Environmental Clearance is granted for the production in 16311 m³ of multi-colour granite, 23950 m³ of Weathered Rock, 32622 m³ of RoM and 16311 m³ of Reject for the period of 5 Years from the date of execution of the mining lease.</p>	<p>This Environmental Clearance is accorded for the quantity of 32622cu.m of ROM, 16,311 cu.m of multi-colour granite, 23950 cu.m of Weathered Rock & 16311cu.m of Rejects up to a depth of 18m and the annual peak production should not exceed 10836m³ of ROM and 5418 cu.m of multi-colour granite, & 5418 cu.m of rejects.</p> <p>The Environmental Clearance issued is valid as per the approved mine plan period and as per MoEF&CC notifications S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022.</p>

and the same shall be amended and substituted subject to the additional conditions as follows and all the conditions stipulated vide EC Lr.No. SEIAA-TN/F.No.8282/EC.No.4870/2020 dated 30.10.2021 remains unaltered.

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.


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

29.	To consider Environmental clearance validity extension of the existing Grey granite Quarry over a total extent of 3.22.0Ha at S.F. no.9 (P) of Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. S. Venkatesan	4964 New File 8965	The authority noted that the PP has requested for extension of validity of Environmental Clearance as per MoEF&CC Notification Dt: 12.04.2022 & MoEF&CC O.M 13.12.2022 for the EC issued vide Lr.No. SEIAA/TN/F.No.4964/EC/1(a)/2863/2015 dated: 15.02.2016 and the validity expired on 14.02.2022 (including covid extension). Further, the authority noted that the PP has also submitted request for withdraw for online proposal No. SIA/TN/MIN/71690/2022 dated: 31.01.2022 for which ToR issued vide SEIAA Letter No. SEIAA/TN/F.No.8965/SEAC/ToR-1133/2021 dated 25.03.2022. In this connection, the authority after detailed discussion has decided to request Member Secretary,
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			SEIAA to forward this proposal seeking extension of validity of Environmental Clearance for appraisal at SEAC and to consider the PP request for withdraw for online proposal No. SIA/TN/MIN/71690/2022 dated: 31.01.2022.
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Annexure 'A'

a) EC Compliance

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

b) Applicable Regulatory Frameworks

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


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

d) Water Environment – Protection and mitigation measures

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.
13. Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR/TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
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.


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

e) Air Environment – Protection and mitigation measures

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

f) Soil Environment – Protection and mitigation measures

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
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


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at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.

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

g) Noise Environment – Protection and mitigation measures

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

30. The sound at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Hence, the PP shall ensure that the biological clock of the villages are not disturbed because of the mining activity.

h) Biodiversity - Protection and mitigation measures

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.

32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.

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.


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34. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
35. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

i) Climate Change

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

j) Reserve Forests & Protected Areas

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


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51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

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

l) Workers and their protection

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

m) Transportation

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


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

n) Storage of wastes

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

o) CER/EMP

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

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

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

p) Directions for Reclamation of mine sites

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

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

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


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litter, have deep root system. fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.

67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
71. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
72. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
73. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
74. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide 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.


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

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

Annexure 'B'

Cluster Management Committee

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


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11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

Impact study of mining

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

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

Agriculture & Agro-Biodiversity

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

Forests

- 19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
- 20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.


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21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

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

Energy

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

Climate Change

32. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.


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33. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.

Mine Closure Plan

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

EMP

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

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

Risk Assessment

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

Disaster Management Plan

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

Others

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

40. As per the MoEF& CC office memorandum F.No.22-65/2017-1A.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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Annexure 'C'

Climate Change

1. The proponent shall adopt strategies to decarbonize the building.
2. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
3. The proponent shall adopt strategies to reduce temperature including the Building Façade.
4. The proponent shall adopt methodology to control thermal environment and other shocks in the building.
5. The proponent shall adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.
6. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.
7. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.
8. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco-friendly and support sustainable management of the natural resources within and outside the campus premises.
9. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.

Health

10. The proponent shall adopt strategies to maintain the health of the inhabitants.

Energy

11. The proponent shall adopt strategies to reduce electricity demand and consumption.
12. The proponent shall provide provisions for automated energy efficiency.
13. The proponent shall provide provisions for controlled ventilation and lighting systems.
14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.
15. All the construction of Buildings shall be energy efficient and conform to the green building norms. The PP shall ensure that carbon neutral building.
16. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.


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Regulatory Frameworks

17. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
18. The project proponent shall ensure to provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
19. The proponent shall provide elevator as per rules CMDA/DTCP.

Database maintenance & audits

20. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.
21. The proponent should maintain environmental audits to measure and mitigate environmental concerns.

Biodiversity

22. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,.
23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.
24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.
25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
26. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.
27. The proponent shall adopt strategies to prevent bird hits.

Safety measures


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28. The proponent should develop an emergency response plan in addition to the disaster management plan.
29. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.
30. All bio-safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
31. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
32. The proponent shall provide the emergency exit in the buildings.
33. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.

Water/Sewage

34. The proponent shall ensure that no treated or untreated sewage shall be let outside the project site & shall find access to nearby water-bodies under any circumstances other than the permitted mode of disposal.
35. The proponent shall provide STP of adequate capacity as committed and shall continuously & efficiently operate STP so as to satisfy the treated sewage discharge standards prescribed by the TNPCB time to time.
36. The proponent shall periodically test the treated sewage the through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB.
37. The proponent shall periodically test the water sample for the general water quality core parameters including fecal coliform within the proposed project site through TNPCB lab /NABL accredited laboratory and submit report to the concerned authorities.
38. The proponent shall ensure that provision should be given for proper utilization of recycled water.
39. The project proponent shall adhere to storm water management plan as committed.

Parking

40. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.

Solid waste Management

41. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.


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42. The proponent should strictly comply with. Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.

EMP

43. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.

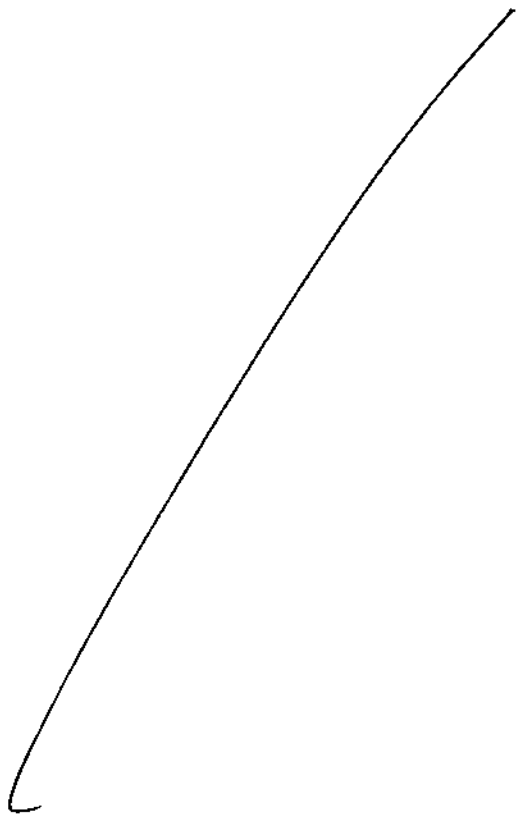
44. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.

45. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.

Others

46. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.

47. The project proponent shall adhere to height of the buildings as committed.




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