

**MINUTES**

**593<sup>rd</sup> MEETING**

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

**Date: 17.02.2023**



**MINUTES OF THE 593<sup>rd</sup> MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY HELD ON 17.02.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 592 <sup>nd</sup> meeting of the Authority held on 16.02.2023.		The minutes of the 592 <sup>nd</sup> meeting of the Authority held on 16.02.2023 was confirmed.
b)	The Action taken on the decisions of the 592 <sup>nd</sup> meeting of the Authority held on 16.02.2023.		The Member Secretary informed that 592 <sup>nd</sup> Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Proposed Black granite quarry over an extent of 1.32.5 Ha in S.F.No. 533/2 of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - for Environmental Clearance Extension	1106	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023 and SEAC decided to call for the following details from the project proponent:</p> <ol style="list-style-type: none"> <li>1. The project proponent shall furnish the certified compliance report issued by MoEF &amp; CC / TNPCB for its existing EC.</li> <li>2. The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work, since EC was issued to the project vide Lr.No.SEIAA-TN /F.No.1106/EC/1(a)/350/2013 dated 20.05.2013 stipulates that, ".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".</li> <li>3. The DD in his letter dated 08.05.2018 had only</li> </ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN


			<p>forwarded the views of proponent and had not given any specific recommendation for the non-operative period. Hence, DD may be requested to give specific recommendation.</p> <p>4. It is observed that, the PP has not devised a scientific EMP covering the mitigation measures during the project period. Hence, the Proponent is requested to submit EMP with mitigation measures related to ecological impacts due to the proposed activity covering the project period.</p> <p>5. The PP shall furnish Detailed EMP, Disaster management plan &amp; Risk assessment for the approved scheme of mining.</p> <p>6. The proponent shall submit a life cycle assessment which must be based on cradle to grave analysis emphasizing on the impacts due to the proposed activity.</p> <p>7. The PP shall furnish CTO copy obtained from TNPCB.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 19.01.2023</p>
2.	Proposed Black granite quarry over an extent of 1.12.0 Ha in S.F.No. 368/3(P) & 368/4B (P) of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. S.B.S. Granites - for Environmental Clearance Extension.	4563	<p>The authority noted that this proposal was placed for appraisal in 348<sup>th</sup> meeting of SEAC held on 19.01.2023 and the SEAC decided to seek the following details from the project proponent.</p> <p>(ii) The PP shall furnish certified compliance report.</p> <p>In view of the above, the authority decided that the PP shall also submit specific views obtained from MOEF &amp; CC on failure of PP to comply with specific</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>condition as laid in EC.</p> <p>The Earlier EC was issued to the project vide Lr.No.SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2015 stipulates that,</p> <p><i>.....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".</i></p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 19.01.2023 &amp; 593<sup>rd</sup> Authority meeting held on 17.02.2023.</p>
3.	<p>Proposed Black granite quarry over an extent of 2.44.0Ha in S.F.No. 144/1 and 144/2 of Odayandahalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru.R.K.Ramesh - for Environmental Clearance Extension.</p>	5383	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023 and SEAC decided to call for the following details from the project proponent:</p> <ol style="list-style-type: none"> <li>1. The project proponent shall furnish the certified compliance report issued by MoEF &amp; CC / TNPCB for its existing EC.</li> <li>2. The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work, since EC was issued to the project vide Lr.No.SEIAA-TN /F.No.5383/EC/1(a)/3370/2016 dated 20.07.2016 stipulates that, <p><i>“.....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife</i></p> </li></ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".</p> <p>3. The DD in his letter No.Roc.No.305/2022/Mines dated 09.03.2022 had only forwarded the views of proponent and had not given any specific recommendation for the non-operative period.</p> <p>4. Rs.2 Lakhs has been levied by SEAC towards failure of PP to comply with specific condition as laid in EC and directed the PP to pay the amount to EMAT, Tamil Nadu. Further it is suggested that SEAC may obtain a clarification from the Chief Wild Life Warden/Forest Department/NBWL on the action against contravention of NBWL Act, whether this quarrying operation attracts any penal provisions under the Wildlife Protection Act.</p> <p>5. The PP shall furnish CTO copy obtained from TNPCB.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 19.01.2023</p>
4.	Existing multicolor Granite mine Lease over an extent of 4.32.5 Ha at S.F.No.9/1A1, 9/2A2, 9/2A3, 9/2B, Thangayur Village, Edappadi Taluk, Salem District, Tamil Nadu by Thiru. Navinladdha extension of	5824	The authority noted that the subject was appraised in 348 <sup>th</sup> SEAC meeting held on 19.01.2023. SEAC has furnished its recommendations for granting Environmental Clearance Extension subject to the conditions stated therein.

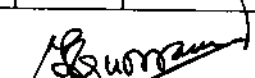
  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

<p>validity for the Environmental Clearance</p>	<p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance Extension for the quantity of 50517 Cu.m. of RoM including 30310 Cu.m. of Grey Granite (Recovery 60%), 20207cu.m of Granite waste and the annual peak production shall not exceed 10272 Cu.m. of Grey Granite RoM by restricting the depth of mining upto 30.5m as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF &amp; CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance Extension is valid as per the approved mine plan period.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and</li> </ol>
---	--

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>environmental norms should be strictly followed as per the EMP.</p> <p>5. The project proponent shall store/dump Top soil, Weathered Rock &amp; Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>6. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 10 Lakhs and the amount shall be spent towards the Govt High School, Thangayur, Salem District for the activities as committed, before obtaining CTO from TNPCB.</p>
5.	Proposed Lime stone quarry lease over an extent of 1.135 Ha at S.F. Nos. 257/1 & 257/2 of Kallakudi Village, Lalgudi Taluk, Trichy District, Tamil Nadu by M/s.Dalmia Cement (Bharat) Limited – For Environmental Clearance.	6404	<p>The Authority noted that the subject was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023 and SEAC decided to reiterate its recommendation already made in the 326<sup>th</sup> SEAC meeting held on 05.11.2022. All other conditions stipulated in the recommendation remain unchanged.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 326<sup>th</sup> SEAC Meeting held on 05.11.2022.</p> <p>1. The amount prescribed for Ecological remediation (Rs.1.75 Lakhs), natural resource augmentation (Rs.1.00 lakhs) &amp; community resource augmentation (Rs.1.00 Lakhs), totaling Rs. 3.75 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 3.75</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN



Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not, the bank guarantee will be forfeited to TNPCCB without further notice.
3. The amount committed by the Project proponent for CER (Rs. 25.00 Lakhs) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent for both the leases granted (1.135 Ha - SF No. 257/1, 257/2 and 0.28.5 Ha located at S.F.No. 256). A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
4. The project proponent shall submit the proof for the action taken by the state Government/TNPCCB against project proponent (details of case filed with case number) under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018 before obtaining EC from SEIAA .
5. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks and submit the same to SEAC/SEIAA before grant of EC.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

6.	Proposed Limestone quarry over an Extent of 0.28.5 Ha located at S.F.No. 256 of Kallakudi Village, Lalgudi Taluk, Trichy District, Tamil Nadu by M/s. Dalmia Cement (Bharat) Limited for Environmental Clearance.	6409	<p>The Authority noted that the subject was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023 and SEAC decided to reiterate its recommendation already made in the 326<sup>th</sup> SEAC meeting held on 05.11.2022. All other conditions stipulated in the recommendation remain unchanged.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 326<sup>th</sup> SEAC Meeting held on 05.11.2022.</p> <ol style="list-style-type: none"> <li>1. The amount prescribed for Ecological remediation (Rs. 0.75 Lakhs), natural resource augmentation (Rs. 0.50 lakhs) &amp; community resource augmentation (Rs. 0.50 Lakhs), totaling Rs. 1.75 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 1.75 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan &amp; Community resource augmentation plan as indicated in the EIA/EMP report.</li> <li>2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not, the bank guarantee will be forfeited to TNPCB without further notice.</li> <li>3. The amount committed by the Project proponent for CER (Rs. 25.00 Lakhs which is</li> </ol>
----	---	------	---

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

common to both G.O 262 Lease) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.

4. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
5. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks and submit the same to SEAC before grant of EC.

7. File No: 6900

Existing Black Granite quarry lease over an extent of 6.00.0 Ha S.F.Nos.1193/1 (Part-15) Kodakkal Village, Sholingur Taluk, Ranipet District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For amendment in Environmental Clearance

The authority noted that the proposal was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023. The committee has furnished its recommendations for amendment subject to the conditions stated therein.

After detailed deliberation, the Authority decided to accept the recommendations of SEAC and issue the following amendment to the Environmental clearance issued vide Lr.No.SEIAA-TN/F.No.6900/1(a)/EC.No:4615/2020 dated:27.03.2021 subject to the conditions mentioned below.

S.No	Description	As per EC dated	Amendment requested	Amendment granted
1.	Production (Recovery %)	10%	20 %	20 %
2.	Quantity	RoM: 90011 m <sup>3</sup>	RoM: 72018 m <sup>3</sup>	RoM: 72018 m <sup>3</sup>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

	Black Granite: 9002 m <sup>3</sup>	Black Granite: 14403 m <sup>3</sup>	Black Granite: 14403 m <sup>3</sup>
	Granite Waste: 81009 m <sup>3</sup>	Granite Waste: 57615 m <sup>3</sup>	Granite Waste: 57615 m <sup>3</sup>

**Conditions:**

1. All other conditions and validity mentioned in the EC dated 27.03.2021 will remain unchanged and unaltered.

8. File No: 6906

Proposed Ottakovil Lime Kankar quarry lease over an extent of 22.81.5 Ha at S.F. Nos. 116/1, 2, 3, 4A, 4B, 5, 6, 7, 8, 9, 10, 11 & 12, 117/3, 4, 5, 6, 7A, 7B, 8A, 8B, 9A & 9B, 118/1, 2, 3, 4, 5A, 5B, 6A, 6B, 7, 8A, 8B, 9, 10A, 10B, 11, 12, 13, 14, 15, 16, 17A, 17B, 18A, 18B & 18C, 119/1C, 1D, 1E, 1F, 2, 3A, 3B, 4A, 4B1, 4B2, 5A, 5B, 5C, 6A, 6B & 6C (Part), 211/1A, 1B, 2A, 2B, 3A, 3B, 4, 5, 6, 7, 8A (Part), 8B & 9 and 212/1A, 1B, 1C, 2, 3 & 4 of Ottakovil Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance.

The authority noted that the proposal was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023. The committee has furnished its recommendations to the authority for granting the amendment sought by PP in the EC issued earlier.

After detailed deliberation, the Authority decided to accept the recommendations of SEAC and issue the following amendment to the Environmental clearance issued vide Lr.No. SEIAA-TN/F.No.6906/1(a)/EC. No:5144/2020 Dated: 11.07.2022 subject to the conditions mentioned below.

Application Made for	As per EC issued dated 11.07.2022	Amendment Sought	Amendment Issued
Production 1,20,000 TPA ROM (EIA Report Page No. 50)	<b>(Quantity in m<sup>3</sup>)</b> 1,20,000 Tonnes of Lime Kankar	<b>(Quantity in MTPA)</b> 1,20,000 Tonnes of Lime Kankar	May be read as Quantity in MTPA 1,20,000 Tonnes of Lime Kankar
Validity : Approved Mining Plan for 5 Years	Page No. 5 The EC is granted for the production in <b>1,20,000 Tonnes</b> of Lime Kankar for the period of 5 year ...	The EC is granted for the production in <b>1,20,000 TPA</b> of Lime Kankar on ROM basis for the period of 5 year ...	May be read as The EC is granted for the production of <b>1,20,000 TPA</b> of Lime Kankar on ROM basis for the period of 5 years.

MEMBER SECRETARY

MEMBER

CHAIRMAN  
SEIAA-TN

EIA Report Pg. 42 Lease is valid for 10 years	Page 21 Part A Condition-2 Mining activity should be reviewed by the District Collector after three years and decide further extension	Part A Condition-2 may be deleted	No change in condition
2 Shift Operations	The quarrying operations shall be restricted between 7 AM and 5 PM	Quarrying operations shall be restricted to 2 Shifts operations	The quarrying operation is permitted between 6am to 8pm. The hours restricted by the District Collector should be strictly adhered to.
No Drilling & Blasting is involved (EIA Report Page No. 46)	Part A Conditions- 15, 16, 17 & 18 Drilling & Blasting Conditions	Part A Conditions- 15, 16, 17 & 18  Drilling & Blasting Conditions may be deleted	No change in condition
As shallow quarrying is involved (upto 2.5 m BGL), no ground water intersection and thus no hydrogeological report is required. (EIA Report Page No. 138)	Part A Condition-79 Hydrogeological study of the area shall be reviewed annually and report submitted to the Authority. ...	Part A Condition- 79 may be deleted	No change in condition

**Conditions:**

- All other conditions and validity mentioned in the EC dated 11.07.2022 will remain unchanged and unaltered.

9. File No: 6907  
Proposed Expansion of Reddipalayam Lime stone production of RPM Mine from 1.7 MTPA to 3.0 MTPA lease over an extent of 63.60.0 Ha at S.F.No. 239, 243, 244, 249, 298, 299, 300, 301, 302, 303, 373, 374, 375, 376, 380, 381, 382, 383, 384, 385, 401, 402, 403 and 404 of Reddipalayam village

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

& S.F.No. Parts of 67, 68 & 69 Parts of Nagamangalam Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. The Ramco Cements Limited - For Corrigendum in Environmental Clearance

The authority noted that the proposal was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023. The committee has furnished its recommendations to the authority for granting the amendment sought by PP in the EC issued earlier.

After detailed deliberation, the Authority decided to accept the recommendations of SEAC and issue the following amendment to the Environmental clearance issued vide Lr.No.SEIAA-TN/F.No.6907/1(a)/EC.No:5145/2020 Dated: 11.07.2022 subject to the conditions mentioned below.

S.No	Particulars	Original	Amendment	Remarks
1.	Limestone Production	(Quantity in m <sup>3</sup> ) 3.0 MTPA Limestone	(Quantity in MTPA) 3.0 MTPA Limestone	May be read as Quantity in MTPA – 3.0 MTPA
2.	Water Source	Water Vendors	Mine Pit Seepage Water	Request Granted subject to the following conditions: i) There should be no over-extraction of seepage water. ii) Stakeholders & end users including tail-end users should not suffer because of the extraction of mine pit seepage water.
3.	Lease is valid till 22.07.2054 (EIA Report Pg. 45 & EC Ptn. Pg 23)	(Page 21 Part A Condition-2) Mining activity should be reviewed by the District Collector after three years and decide further extension	(Part A Condition-2) may be deleted	No change in condition
4	Shift Operations	The quarrying operations shall be restricted between 7 AM and 5 PM	Quarrying operations shall be on 3 Shifts operations	The quarrying operation is permitted between 6am to 8pm. The hours restricted by

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

the District Collector should be strictly adhered to.

**Conditions:**

1. All other conditions and validity mentioned in the EC dated 11.07.2022 will remain unchanged and unaltered.

10. Proposed Multi Colour Granite quarry lease over an extent of 2.43.0 Ha in S.F.No. 441/4A, K.Pichampatti Village, Karur Taluk, Karur District, Tamil Nadu by Tmt. Nama Umadevi – For Environmental Clearance

7569

The Authority noted that the subject was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.

**After detailed discussions, the Authority decided to grant Environmental Clearance for the restricted quantity of 37470 m<sup>3</sup> of ROM which includes 22482 m<sup>3</sup> of Recoverable Multi Colour Granite @ 60%, 14988 m<sup>3</sup> of Granite Waste @ 40% by restricting the depth of mining upto 13m BGL (2m Topsoil + 1m Weathered Rock + 10m Multi Colour Granite) as per the mine plan approved by the Department of Geology & Mining subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.**

1. Keeping in view of MoEF & CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. **The PP shall utilize Topsoil and Weathered Rock for restoring site/mine closure as per mine closure plan.**

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <p>4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</p> <p>5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p>
11.	Proposed Rough stone quarry lease area over an extent of 1.22.0Ha at S.F.Nos. 76 and 140 (Part-4), Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. P.Periyannan -For Environmental Clearance	7954	<p>The Authority noted that this proposal was placed for appraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023 and based on the presentation and documents furnished by the project proponent, SEAC decided to obtain following details from the PP.</p> <p>1. The PP shall enumerate the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.</p> <p>2. The PP shall furnish a report on the scientific studies carried out for the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust caused due to the proposed Quarrying operations on the Surrounding Structures including Wind Mills, Habitations and Water bodies located within 300 m from the quarry lease', from any of the reputed Research and</p>

  
MEMBER SECRETARY

  
MEMBER


  
CHAIRMAN  
SEIAA-TN



			<p>Academic Institution such as CSIR-Central Institute of Mining &amp; Fuel Research (CIMFR) / Dhanbad, National Institute of Rock Mechanics (NIRM)-Bangaluru, IIT (ISM)-Dhanbad, NIT-Dept of Mining Engg, Surathkal.</p> <p>On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 19.01.2023.</p>
12.	<p>proposed of Rough stone Quarry lease over an extent of 1.56.0Ha in S.F.No. 306 (Part-I) of Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.V.Venkatachalam - for Environmental Clearance</p>	7993	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 33400Cu.m. of Rough stone by restricting the ultimate depth of mining upto 42m BGL(22m AGL+20m BGL) as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF &amp; CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</p>

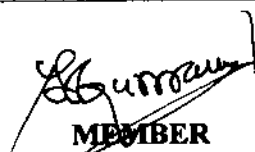
  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> <li>5. The project proponent shall store/dump Top soil, Weathered Rock &amp; Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</li> <li>6. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the activities detailed in the SEAC Minutes before obtaining CTO from TNPCB.</li> </ol>
13.	Proposed Rough Stone & Gravel quarry lease over an extent of 0.71.5 Ha at S.F.Nos. 383/1(P) &	8243	The authority noted that the subject was appraised in 348 <sup>th</sup> SEAC meeting held on 19.01.2023. SEAC has furnished its recommendations for granting

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

<p>383/2A2A1 (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Senthilkumar - For Environmental Clearance</p>	<p>Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 15300m<sup>3</sup> of Rough stone and depth restricted up to 32m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF &amp; 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.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> </ol>
---	--

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			5. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan
14.	Proposed of Grey Granite Quarry lease over an extent of 1.10.0Ha in S.F.Nos.373/1A, 373/1B(P) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru.B.Syednazar Babulal - Environmental Clearance	8401	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 21430 Cu.m. of RoM including 7500 Cu.m. of Grey Granite (Recovery 35%) and the annual peak production shall not exceed 1500 Cu.m. of Grey Granite by restricting the depth of mining upto 23m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on</li> </ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

		<p>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.</p> <ol style="list-style-type: none"> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> <li>5. The project proponent shall store/dump 4736 cu.m. of Top soil, 8662 cu.m. of Weathered Rock &amp; 13930 cu.m. of Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</li> <li>6. The project proponent shall spend EMP cost of Rs.3.46 Crores for the project life of the mine as committed.</li> <li>7. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 7.5 Lakhs and the amount shall be spent for the committed activities before SEAC such as 1. Developing Facilities such as Water Purifier, Fan, Cot and Bed to the Chendarapalli Dispensary&amp; 2. Developing facilities such as Water Purifier and Computer facilities to the Govt. School, Chendarapalli before obtaining CTO from TNPCB.</li> </ol>
--	--	---

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			8. The project proponent shall obtain prior permission from Regional Inspector of Directorate General of Mines Safety, Chennai before obtaining CTO from TNPCB.
15.	Proposed Gravel & Laterite quarry lease area over an extent of 1.27.0Ha at S.F.Nos. 193/3, 193/9, 193/10 & 193/11 of Keelarungunam Village, Panruti Taluk, Cuddalore District Tamil Nadu by Thiru-E. Rajendran - For Environmental Clearance.	8453	<p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of <b>ROM = 15,295m<sup>3</sup> Gravel = 13,856m<sup>3</sup> @90% Recovery Laterite = 1,439m<sup>3</sup> @10% Recovery</b> and depth of 5m AGL as per the mine plan as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. As committed by the project proponent, quarrying should not be carried out in the western portion of the lease applied area.</li> <li>2. Keeping in view of MoEF &amp; 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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and</li> </ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			environmental norms should be strictly followed as per the EMP.
16.	Proposed Earth quarry lease over an extent of 0.97.0Ha at S.F.Nos. 231/7, 231/8, 231/10 (P), 244/11, 244/12 & 244/13 of Vellakarai Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.A.Prasath- For Environmental Clearance.	8528	<p>The Authority noted that the subject was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to grant Environmental Clearance for the restricted quantity of 13238 m<sup>3</sup> of Earth by restricting the depth of mining upto 4m (2m AGL + 2m BGL) (no excavation shall be done in 2<sup>nd</sup> bench of the section X1Y1-EF considering environmental safety parameters) as per the mine plan approved by the Department of Geology &amp; Mining subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF &amp; 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.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</li> </ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p>
17.	Proposed Rough stone and Gravel quarry project over an extent of 2.48.5 Ha in S.F.Nos. 1101, 1102, 1103/1, 1103/2, 1103/3, 1104/2A & 1104/2B at Kullapuram Village , Periyakulam Taluk, Theni District, Tamil Nadu by Thiru. K.Jeganathan - For Environmental Clearance.	8610	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 255034 Cu.m. of Rough stone &amp; 14978 cu.m of Gravel by restricting the depth of mining upto 38m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF &amp; CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN



			<p>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.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. The project proponent shall store/dump Top soil, Weathered Rock &amp; Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>6. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Govt Higher Secondary School, Kullapuram Village, Theni District for the activities as committed, before obtaining CTO from TNPCB.</p>
18.	Proposed Rough Stone & Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore	9031	The authority noted that the subject was appraised in 348 <sup>th</sup> SEAC meeting held on 19.01.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

	<p>District, Tamil Nadu by Thiru R. Suresh - for Environmental Clearance</p>	<p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 38180 Cu.m of Rough Stone &amp; 8612 m<sup>3</sup> Cu.m of Gravel and the annual peak production 8050 cu.m. of Rough Stone &amp; 4516 cu.m. of Gravel by restricting the depth of mining upto 22m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and</li> </ol>
--	--	--

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>environmental norms should be strictly followed as per the EMP.\</p> <p>5. The project proponent shall spend <b>EMP cost of Rs.95.91 Crores</b> for the period of 5 Years as committed.</p> <p>6. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is <b>Rs. 5 Lakhs</b> and the amount shall be spent for the committed activities before SEAC such as i) renovation of existing toilet with water facilities, ii) Providing Project , Laptop, Green Board, iii) Providing Environmental Books to school Library, iv) Plantation in School ground 200 Nos., v) Fodder Plantation in the meikkal poramboke land after consultation with panchayat authorities to the Panchayat Union Primary School, Chinnakallipatti Village, karamadai, Coimbatore before obtaining CTO from TNPCCB.</p> <p>7. The project proponent shall obtain prior permission from Regional Inspector of <i>Directorate General of Mines Safety, Chennai</i> before obtaining CTO from TNPCCB.</p>
19.	Proposed Rough Stone and Gravel Quarry over an extent of 4.67.64Ha at SF.No.835 (Part), 837/3 (Part) and 838/3 (Part), Vadakku Ariyanayagipuram Part-2 Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu by Thiru.	9389	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023. 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 safety aspects and to ensure sustainable,</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

<p>A.Chittarasu - For Environmental Clearance.</p>	<p>scientific and systematic mining, decided to grant Environmental Clearance for the quantity 7,65,145 Cu.m of Rough Stone &amp; 85152 m<sup>3</sup> Cu.m of Gravel and the annual peak production shall not exceed 2,23,895 cu.m of Rough Stone &amp; 34156 cu.m of Gravel by restricting the depth of mining upto 25m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> </ol>
--	---

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>5. The project proponent shall spend <b>EMP cost of Rs.2.9902 Crores</b> for the period of 5 Years as committed.</p> <p>6. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-1A.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is <b>Rs. 10 Lakhs and the amount shall be spent for the committed activities before SEAC to the Govt. Schools before obtaining CTO from TNPCB.</b></p> <p>7. The project proponent shall obtain prior permission from Regional Inspector of Directorate General of Mines Safety, Chennai before obtaining CTO from TNPCB.</p>
20.	Proposed expansion of Construction of Residential group development, High Rise & Non-High-Rise Group Development at S.No. 404/1, 404/2, 405, 406/1A, 406/1B,406/ 2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/ 2, 410/3, 410/4, 414/1, 414/ 2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu by M/s. Casa Grande Civil Engineering Private Limited- For Environmental Clearance.	9428	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and <b>decided to grant Environmental Clearance</b> subject to the conditions as recommended by SEAC &amp; normal condition in addition to the following conditions &amp; conditions stated vide Annexure C.</p> <ol style="list-style-type: none"> <li>1. The proponent shall deploy cost-effective technology to reduce GHG emissions.</li> <li>2. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building.</li> <li>3. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).</li> <li>4. The proponent shall adopt strategies to decarbonize the building.</li> </ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

		<ol style="list-style-type: none"> <li>5. The proponent shall adopt strategies to maintain the health of the inhabitants.</li> <li>6. The proponent shall adopt strategies to reduce electricity demand and consumption.</li> <li>7. The proponent shall provide provisions for automated energy efficiency.</li> <li>8. The proponent shall provide provisions for controlled ventilation and lighting systems.</li> <li>9. The proponent shall adopt strategies to reduce temperature including the Building Façade.</li> <li>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, &amp; Batteries (Management and Handling) Rules, 2001.</li> <li>11. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.</li> <li>12. The proponent shall adopt methodology to control thermal environment and other shocks in the building.</li> <li>13. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO<sub>2</sub>, CH<sub>4</sub>, nitrous oxide, etc., resulting from human activities.</li> <li>14. The database record of environmental conditions of all the events from pre-</li> </ol>
--	--	--

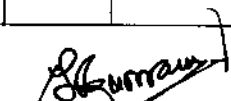
  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

		<p>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 adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.</p> <p>22. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.</p> <p>23. The proponent shall adopt sustainability criteria to protect the micro environment from</p>
--	--	---

  
**MEMBER SECRETARY**

  
**MEMBER**

  
**CHAIRMAN**  
**SEIAA-TN**

			<p>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 safety evacuation plan in emergencies.</p>
21.	Proposed Rough stone and gravel quarry over an extent of 4.77.5 Ha in S.F.No. 210, 213/2 & 237/3 at Athipalayam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. KISCOL Blue Metal Private Limited - For Environmental Clearance	9440	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 454175m<sup>3</sup> of Rough stone and 83,090 m<sup>3</sup> of Gravel and depth restricted up to 37m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF &amp; CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN



			<p>1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <p>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.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. The project proponent shall store/dump Top soil, Weathered Rock &amp; Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan</p>
22.	Proposed Rough Stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 167/1(Part-2) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. V.Sekar- For Environmental Clearance.	8274	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023 and the SEAC stated that 'Please see part -II of the Minutes of 348<sup>th</sup> meeting held on 19.01.2023'.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 19.01.2023.</p>
23.	Proposed Rough Stone quarry lease over an extent of 4.95.0 Ha at	8275	<p>The authority noted that the subject was appraised in 348<sup>th</sup> SEAC meeting held on 19.01.2023 and the</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

	S.F.No. 338/1(Part-1) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. D.Arunkumar - for Environmental Clearance		SEAC stated that 'Please see part -II of the Minutes of 348 <sup>th</sup> meeting held on 19.01.2023'. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 19.01.2023.
24.	Proposed Rough Stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 167/1(Part-1) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Tvl.M.S.Blue Stones - For Environmental Clearance.	8276	The Authority noted that this proposal was placed for appraisal in this 348 <sup>th</sup> meeting of SEAC held on 19.01.2023. <b>SEAC minute noted.</b>
25.	Proposed Rough Stone quarry lease over an extent of 2.15.30 Ha at S.F.No. 320/5 of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. K.Prabakaran- for Environmental Clearance	8278	The Authority noted that this proposal was placed for appraisal in this 348 <sup>th</sup> meeting of SEAC held on 19.01.2023. <b>SEAC minute noted.</b>
26.	Proposed Rough stone & Gravel quarry lease over an extent of 1.40.98 Ha in S.F.No 114/1, 114/2, 114/3, 114/4, 114/5, 114/6, 114/7, 114/8, 114/9B and 115, Padur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru.L.Muthuraj - For Environmental Clearance.	7696	The Authority noted that this proposal was placed for appraisal in this 348 <sup>th</sup> meeting of SEAC held on 19.01.2023. <b>SEAC minute noted.</b>
27.	Proposed Rough Stone & Gravel quarry lease over an extent of	9086	The authority noted that the subject was appraised in 348 <sup>th</sup> SEAC meeting held on 19.01.2023. SEAC has

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

<p>2.32.0 Ha at S.F.No. 631/2, 632 (P) &amp; 649 (P) of Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. D.Jayakumar - for Environmental Clearance.</p>	<p>furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 155380 Cu.m. of Rough stone by restricting the ultimate depth of mining upto 40m BGL as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; 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"> <li>1. Keeping in view of MoEF &amp; 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.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF &amp; CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and</li> </ol>
--	---

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>environmental norms should be strictly followed as per the EMP.</p> <p>5. The project proponent shall store/dump Top soil, Weathered Rock &amp; Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>6. As per the MoEF&amp; CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Govt Higher Secondary School, Madhukarai Village, Coimbatore District for the activities as committed, before obtaining CTO from TNPCB.</p>
28.	Proposed Gravel quarry Lease over an extent of 4.34.5 Ha at S.F.No. 152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D, 160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B of Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District, Tamil Nadu by Thiru. G. Swaminathan – For Environmental Clearance	9259	<p>The authority noted that the proposal was appraised in the 348<sup>th</sup> SEAC meeting held on 19.01.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, <b>decided to grant Environmental Clearance for the quantity of 46,806m<sup>3</sup> of gravel by allowing mining activity only in sections XY-AB, XY-CD, X1Y1-EF &amp; X1Y1-GH upto the depth of 2m below ground level as per the mine plan approved by the Department of Geology &amp; Mining.</b> This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp;</p>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

			<p>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"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>2. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> </ol>
29.	Proposed Gravel quarry lease over an extent of 1.12.0 Ha at S. F. No. 283/3, Nallur Village, Madurai South Taluk, Madurai District, Tamil Nadu by Thiru M. Pradeep Ramkumar- for Environmental Clearance	9250	<p>The authority noted that the subject was appraised in 348<sup>th</sup> meeting of SEAC held on 19.01.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p><b>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 14,362 m<sup>3</sup> of Gravel by restricting the depth of mining up to 2m as per the mine plan approved by the Department of Geology &amp; Mining. This is also subject to the standard conditions as per SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</b></p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</li> </ol>

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

		<p>1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 2 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> </ol>
30.	<p>File No: 7272</p> <p>Proposed Lime Kankar quarry lease over an extent of 18.03.0 Ha at S.F. Nos. 166/2B, 166/2C, 166/2D, 166/2I, 169/1C, 169/1D, 169/3, 169/4A, 169/5A, 169/5B, 169/6A, 169/6B, 169/7, 170/1A, 170/1B, 170/3A, 170/3B, 170/4- 11, 171/2, 171/3, 171/6B, 171/7, 171/8B, 171/9B, 171/9D, 186/3, 186/4, 186/5A, 186/5B, 187/3, 187/4, 187/5, 187/6, 188/1, 188/2, 188/3, 188/4, 188/5, 188/6C, 188/7A, 188/7B, 188/8, 189A/1, 190A/1, 190A/2, 190A/4, 190A/5, 190A/6, 190A/8A and 190A/8B of Illupaiyur village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance Corrigendum</p> <p>The authority noted that the proposal was appraised in the 327<sup>th</sup> SEAC meeting held on 10.11.2022. The committee has furnished its recommendations to the authority for granting the Corrigendum sought by PP in the EC issued earlier. The authority raised clarification from the PP. The PP has submitted the reply for SEIAA ADS. The subject was now placed in the 593<sup>rd</sup> authority meeting held on 17.02.2023.</p> <p>After detailed deliberation, the Authority decided to accept the recommendations of SEAC and issue the following amendment to the Environmental clearance issued vide Lr.No.SEIAA-</p>	

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

TN/F.No.7272/EC.No:5157/2022 Dated: 11.07.2022 subject to the conditions mentioned below.

S.No	Description	As per EC issued dated 11.07.2022	Amendment sought	Amendment issued
1.	Production	Page 3 –Sl. No. 10 Production (Quantity in m3) 1,03,000 TPA (Max) Lime Kankar- 71,300 TPA & Clay (others)- 31,700 TPA.	Page 3 –Sl. No. 10 Production (Quantity in Tonnes/Annum) 1,03,000 TPA ROM (Max) Lime Kankar-71,300 TPA & Clay (others)- 31,700 TPA.	In Page 3 –Sl. No. 10 May be read as Production (Quantity in Tonnes/Annum)- 1,03,000 TPA ROM (Max) Lime Kankar- 71,300 TPA & Clay (others)- 31,700 TPA.
2.	Validity	Page No. 5 The EC is granted for the production in 1,03,000 m3 of Lime Kankar for the period of 5 year ...	The EC is granted for the production in 1,03,000 Tonnes per Annum Lime Kankar (ROM) during the EC Period.	In Page No. 5 May be read as The EC is granted for the production in 1,03,000 TPA ROM (Max) of Lime Kankar- 71,300 TPA & Clay (others)- 31,700 TPA for the period of 5 years from the date of execution of the mining lease with ultimate depth of mining 2.75m below ground level.
3	Shift Operations	The quarrying operations shall be restricted between 7 AM and 5 PM	Quarrying operations shall be on 2 Shifts operations	The quarrying operation is permitted between 6am to 8pm. The hours restricted by the District Collector should be strictly adhered to.

**Conditions:**

1. All other conditions and validity mentioned in the EC dated 11.07.2022 will remain unchanged and unaltered.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

31.	<p>Proposed construction of Multi-storied Residential Building Project at S. Nos.: 116/1, 116/2, 116/4, 116/5A, 116/5B, 116/8, 116/9, 117/1A1, 117/1A2, 117/2A, 117/3A, 117/3B, 119/2B, 120, 121/1A, 121/1B, 121/2, 121/3A, 121/3B, 139/4B, 140/1, 141/1, 141/2A, 141/2B, 142, 143/2, 143/3 Part, 144/2B, 145/2B, 146/1, 146/2 Siruseri Panchayat Road, Siruseri Village, Vandalur Taluk, Chengalpattu district by M/s Alliance Budget Housing India Private Limited &amp; M/s. Alliance Infrastructure Projects Private Limited - For Environmental Clearance</p>	9207	<p>This proposal was placed in the 343<sup>rd</sup> meeting of SEAC held on 05.01.2023 and SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein. Subsequently, this subject was placed in the 588<sup>th</sup> meeting of SEIAA held on 01.02.2023. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA TN to obtain certain details as stated therein and place before the Authority for further course of action.</p> <p>Now, the PP had submitted a detailed reply as sought by the Authority. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC &amp; normal condition in addition to the following conditions &amp; conditions stated vide Annexure C.</p> <ol style="list-style-type: none"> <li>1. The proponent should maintain the increase in PCU in the proposed area due to the proposed site and the anticipated change in the traffic pattern.</li> <li>2. The proponent shall provide cost-effective technology deployed to reduce GHG emissions.</li> <li>3. The proponent shall adopt strategies to make it carbon neutral or zero carbon building, to reduce emissions during operation (operational phase and building materials) and to decarbonize the building.</li> </ol>
-----	--	------	--

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN



32.

File No: 6974

Proposed chemical manufacturing of organic chemicals with the quantity of 123 TPM by M/s. Zenith Flavours and Chemicals at S.F.No.237/1, Plot No.117 to 120, SIDCO Pharmaceutical Industrial Estate, Alathur Village, Thiruporur Taluk, Kanchipuram District, Tamil Nadu- For amendment in Environmental Clearance

The authority noted that the proposal was appraised in the 327<sup>th</sup> meeting of SEAC held on 10.11.2022. SEAC noted that the PP was issued with Environmental Clearance vide Lr.No. SEIAA-TN/F.No.6974/EC/5(f)/81/2021 Dt. 6.4.2021. Now, the PP has applied for amendment for the following in the existing EC issued:

1. Page no. 5 of 26; Item no. 11 of 26 - in the Table agenda: -

SEAC decided to recommend the above-mentioned amendment in the existing EC issued to PP subject to the condition(s) stated therein. Subsequently, the subject was placed in the 572<sup>nd</sup> meeting of SEIAA held on 26.11.2022. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following and place before the Authority for further course of action.

1. The revised Affidavit stating that there are no changes in the quantity of raw materials, products and the environmental parameters like water requirement, sewage & effluent generation, sewage & effluent treatment plant, disposal of treated sewage & effluent, solid waste generation, treatment and disposal of solid waste, DG sets, air pollution control measures in respect of the Environmental Clearance granted earlier.

Sodium Sulphate	395 kg/month	395 kg/day
Solid Acid Catalyst	51 kg/month	51 kg/day
Musk	50 kg/month	50 kg/day
Acetic Acid	2541 kg/month	2541 kg/day
Spent Acid	562 kg/month	562 kg/day
Xylol Paste	100 kg/month	100 kg/day
Spent Solvent	1908 kg/month	1908 kg/day
Ketone Paste	16 kg/month	16 kg/day



MEMBER SECRETARY



MEMBER



CHAIRMAN  
SEIAA-TN

Now, the PP had submitted the revised Affidavit on 08.02.2023 as sought by the Authority. After detailed deliberation, the Authority decided to accept the recommendations of SEAC and issue the amendment to the Environmental clearance issued vide Lr.No. SEIAA-TN/F.No.6974/EC/5(f)/81/2021 Dt. 6.4.2021 subject to the following condition:

1. All other conditions stipulated in Environmental clearance vide Lr.No. SEIAA-TN/F.No.6974/EC/5(f)/81/2021 Dt. 6.4.2021 remains unaltered.
2. The PP shall adhere to the conditions as stated in the affidavit submitted by the PP.

### Annexure-'A'

#### EC Compliance

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

#### Applicable Regulatory Frameworks

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

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

Act, 2016, the Biological Diversity Act, 2002 and Biological diversity Rules, 2004 and Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

**Safe mining Practices**

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

**Water Environment – Protection and mitigation measures**

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN


13. Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR/TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.

**Air Environment – Protection and mitigation measures**

17. The activity should not result in CO<sub>2</sub> release and temperature rise and add to micro climate alternations.
18. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.
19. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.

**Soil Environment – Protection and mitigation measures**

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.

**Noise Environment – Protection and mitigation measures**

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

**Biodiversity - Protection and mitigation measures**

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

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.

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

#### **Climate Change**

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

#### **Green Belt Development**

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

#### **Workers and their protection**

45. 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

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

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

46. 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.
47. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

#### **Transportation**

48. 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.
49. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.


#### **Storage of wastes**

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

#### **CER/EMP**

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

51. The CER Should be fully Implemented and fact reflected in the Half-yearly compliance report.
52. The EMP Shall also be implemented in consultation with local self-government institutions.
53. The follow-up action on the implementation of CER Shall be included in the compliance report.

**Directions for Reclamation of mine sites**

54. 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.
55. 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.
56. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
57. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
58. 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.
59. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN



60. 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.
61. 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.
62. 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.
63. 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.
64. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be ecofriendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
65. 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 resorted to restore the site by adding soil humas and mycorrhiza.
66. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

**Annexure - 'C'**

1. 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.
2. 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.
3. The proponent shall periodically test the treated effluent through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB.
4. 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.
5. All the construction of Buildings shall be energy efficient and conform to the green building norms. The PP shall ensure that carbon neutral building.
6. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.
7. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.
8. All bio-safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
9. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
10. The project proponent shall adhere to height of the buildings as committed.
11. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
12. 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.
13. 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.
14. The proponent shall ensure that provision should be given for proper utilization of recycled water.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN

15. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
16. All the Buildings shall be energy efficient and confirm to the green building norms.
17. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
18. The proponent shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
19. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
20. The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
21. 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.
22. 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.
23. The proponent shall provide the emergency exit in the buildings.
24. The proponent shall provide elevator as per rules CMDA/DTCP.
25. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.
26. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
27. The project proponent shall adhere to storm water management plan as committed.

  
MEMBER SECRETARY

  
MEMBER

  
CHAIRMAN  
SEIAA-TN