

MINUTES

602nd MEETING

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

Date: 14.03.2023

**MINUTES OF THE 602nd MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 14.03.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 601 st meeting of the Authority held on 13.03.2023.		The minutes of the 601 st meeting of the Authority held on 13.03.2023 was confirmed.
b)	The Action taken on the decisions of the 601 st meeting of the Authority held on 13.03.2023.		The Member Secretary informed that 601 st Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Proposed Gravel quarry over an extent of 3.28.0 Ha in S.F.Nos. 222/4, 222/6, 225/1, 226/1, 226/2, 227/4 & 227/5 of Vellaiyampatti Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. M. Bharanidharan - For Environmental Clearance.	9035	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 16.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The authority after detailed deliberations, decided to consider the proposal after obtaining the following details from the project proponent:</p> <ol style="list-style-type: none"> i) Impact of mining on the agricultural fields, vegetation, soil & subsoil, humus, biodiversity in the vicinity of the proposed site. ii) Impact of mining on the aquifers, water bodies, wells & wetlands in the vicinity of the proposed site. iii) The impact on soil micro-flora and fauna due to removal of soil. iv) The impact of physical change in landscape due to mining. v) Does the mining activity cause any change in water course and water channels?


MEMBER SECRETARY


MEMBER


CHAIRMAN (14/3/23)
SEIAA-TN

			vi) Impact on people living around the site due to the dust and noise from mining activity.
2.	Proposed Rough stone quarry over an extent of 1.20.0 Ha in S.F.No. 208 (Part 3) of Paravakkal Village, Peranampattu Taluk, Vellore District, Tamil Nadu by Thiru D. Baskaran for Environmental Clearance	9062	<p>The proposal is placed in this 356th SEAC Meeting held on 15.02.2023.</p> <p>SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, the Authority with reference to specific condition (I) of SEAC, SEIAA noted that Farmland is not a substitute to biodiversity and natural vegetation. Therefore, keeping in view of sustainable mining practices, SEIAA decided to grant Environmental Clearance for a restricted quantity of 1,38,785 m³ of Rough Stone and restricted depth up to 45 m from the top (till bench IX) as per the mine plan, for a period of 5 years as per the mine plan, approved by the Department of Geology & Mining subject to the conditions as recommended by SEAC in addition to the following conditions and conditions stated therein vide Annexure 'A'</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. Indigenous trees if any, must be transplanted to the foot hills.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>3. Any Rare Endangered species and threatened species should not be disturbed during mining activity.</p> <p>4. The EC granted is subject to review by District Collector, AD mines 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>5. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEFCC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</p> <p>6. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
3.	Proposed Rough Stone and Gravel quarry over an extent of 0.98.0 Ha in S.F.No.219 (Part) of Thalakkurai	9083	The proposal is placed in this 356 th SEAC Meeting held on 15.02.2023. SEAC has furnished its recommendations to the


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

Village, Pollachi Taluk,
Coimbatore District, Tamil Nadu
by Thiru. P. Sivasubramanian for
Environmental Clearance

Authority for granting Environmental Clearance to
the Project subject to the conditions stated therein.
After detailed discussion, the Authority with
reference to specific condition (I) of SEAC, SEIAA
decided to grant Environmental Clearance for a
restricted quantity of 45,020 m³ of Rough Stone
and restricted depth up to 35 m as per the mine
plan, for a period of 5 years as per the mine plan,
approved by the Department of Geology & Mining
subject to the conditions as recommended by
SEAC in addition to the following conditions and
conditions stated therein vide Annexure 'A'

1. The prior Environmental Clearance granted for
this mining project shall be valid for the project
life including production value as laid down in
the mining plan approved and renewed by
competent authority, from time to time, subject
to a maximum of thirty years, whichever is
earlier vide MoEF&CC Notification S.O.
1807(E) dated 12.04.2022.
2. The proponent must adhere to the conditions
stipulated in the No Objection issued by
Superintending Engineer, Udumalpet,
TANGEDCO
vide
Lr.No.SE/UEDC/AEE/GL/AE1/F.HTGL/D.N
o.1193/2016 Dt: 24.08.2016.
3. The EC granted is subject to review by District
Collector, AD mines 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.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
4.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.21.5 Ha at S.F.No. 469/1B1 of Kolathupalayam Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Thiru. R.Palanisamy - for Environmental Clearance.	9100	<p>The Authority noted that the subject was appraised in 356th SEAC meeting held on 17.02.2023. 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 restricted to 88,360 m³ of rough stone with an ultimate depth of mining upto 41.5m bgl as per the mine plan approved by the Department of</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p> <p>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.</p> <p>6. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Govt. Hr Sec School, Chinnakaampatti Village, Tiruppur District for the activities as committed, before obtaining CTO from TNPCB.</p>
5.	Proposed Rough stone & gravel quarry lease over an extent of 1.10.0 Ha in S.F.Nos 470 (P) Panappatti Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Tmt V.Nirmaladevi - For Environmental Clearance.	9114	<p>The Authority noted that the subject was appraised in 356th SEAC meeting held on 17.02.2023. 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 76148 m³ of rough stone and 4676 m³ of gravel with an ultimate depth of mining upto 37m (2m Gravel + 35m Rough Stone) BGL as per the</p>


MEMBER SECRETARY

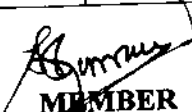

MEMBER


CHAIRMAN
SEIAA-TN

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

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p> <p>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.</p> <p>6. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Govt. High School, Panappatti Village, Coimbatore District for the activities as committed, before obtaining CTO from TNPCB.</p>
6.	Proposed Rough stone & Gravel quarry lease over an extent of 3.65.5 Ha at S.F.No 253/1, 253/2 & 253/9 of Sevalur Village, Ponnamaravathi Taluk, Pudukottai District, Tamil Nadu by Thiru.MR.Anbalagan,- For Environmental Clearance.	9123	<p>The Authority noted that this proposal was placed for appraisal in this 356th meeting of SEAC held on 17.02.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA TN to obtain following details and place before the Authority for further course of action.</p> <p>Since a part of proposed lease area on eastern side with coordinates 9,10,11,12 & 13 appears to be linear stretch, impact due to mining activity will be more.</p>



MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>Therefore, the said part of lease area shall not be permitted to carry out any quarrying operation. Hence,</p> <ol style="list-style-type: none"> 1. The PP shall furnish the details of revised area and revised production for the remaining lease area. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
7.	Proposed Rough Stone and Jelly quarry lease over an extent of 2.33.5 Ha at S.F. No. 147, 156/1A, 156/1B, 156/2A, 156/2B, 157/1, 157/2 & 158/3 of Kulathur Village, Vedasandur Taluk, Dindigul District, Tamil Nadu by Thiru. G.V.Kumar - for Environmental Clearance.	9173	<p>The Authority noted the following:</p> <ol style="list-style-type: none"> 1. The proposal was appraised in 356th meeting of SEAC held on 16.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. 2. This is an existing quarry operated by the same Project Proponent. Whereas the depth of the existing pit mentioned in the mining plan approval is more than the depth permitted in the Environmental Clearance dated 10.08.2016 issued for this project. Hence the Project Proponent shall obtain and furnish clarification letter from the AD/Mines of the concerned District in this regard. <p>On receipt of the details sought the subject will be taken up for further discussion and to decide on future course of action.</p>
8.	Proposed Rough stone and Gravel quarry lease over an extent of 0.67.5 Ha at S.F.No: 839/1A2, Thulaiyanur Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru.S.Kalaiselvan- For Environmental Clearance.	9179	<p>The Authority noted that the subject was appraised in the 356thSEAC meeting held on 17.02.2023. 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,</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

decided to grant Environmental Clearance for the quantity of 17,290 cu.m of rough stone by restricting the depth of mining upto 22.5m Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

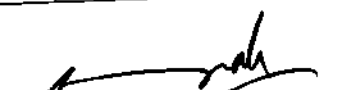
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking

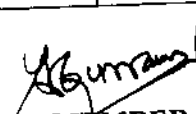

MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
9.	Proposed Rough stone & Gravel quarry lease over an extent of 2.45.0 Ha in S.F.No: 96/4, 98/1, 98/2, & 98/3, Kannagudi Village, Kulathur Taluk Pudukkottai District, Tamil Nadu by Thiru. TMR. Rajha Sivakumar - For Environmental Clearance.	9180	<p>The Authority noted the following:</p> <ol style="list-style-type: none"> 1. The proposal was appraised in 356th meeting of SEAC held on 16.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. 2. This is an existing quarry operated by the same Project Proponent. Whereas the depth of the existing pits mentioned in the mining plan approval is more than the depth permitted in the Environmental Clearance dated 19.01.2016 issued for this project. Hence the Project Proponent shall obtain and furnish clarification letter from the AD/Mines of the concerned District in this regard. <p>On receipt of the details sought the subject will be taken up for further discussion and to decide on future course of action.</p>
10.	Proposed Rough stone & Gravel quarry lease over an extent of 0.78.0 Ha in S.F.No127/2, 127/3	9199	<p>The authority noted that this proposal was placed for appraisal in this 356th meeting of SEAC held on 17.02.2023 and the SEAC noted that earlier EC was</p>


MEMBER SECRETARY



MEMBER


CHAIRMAN
SEIAA-TN

	<p>Themmavur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tmt.A.Mahalakshmi - For Environmental Clearance.</p>		<p>issued vide Lr. SEIAA-TN/F.No.1443/EC/1(a)/1266/2013 Dt:13.05.2014 for the proposed Rough Stone quarry over an extent of 0.78.0 Ha with production of 30,900 Cu.m of Rough Stone & Depth upto 14m based on the previous Approved Mining Plan. However, it was noticed that the existence of pit dimension (80m (Length) X 42m (Width) X 16m (Depth)) in the proposed quarry as per the Mining Plan approved for the second spell of the quarrying in the same survey numbers.</p> <p>In view of the above, SEAC has decided that the PP shall obtain clarification from AD/DD Geology & Mining Dept., Pudukkottai District on the excavation of 2 m beyond the stipulated depth of 14 m as per the previous EC and Approved Mining Plan and penalty levied if any.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 17.02.2023.</p>
<p>11.</p>	<p>Proposed Rough Stone and gravel quarry Lease over an extent of 2.53.50 Ha at S.F.No. 351/1 & 351/2 in Athur Village, Arakkonam Taluk, Ranipet District, Tamilnadu by Thiru.R.B.Raja - For Environmental Clearance.</p>	<p>9224</p>	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 16.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 3,24,296m³ of rough stone and 1,03,160m³ of gravel by restricting the depth of mining upto 35m Below</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. All trees/plants within the project site should be transplanted before the start of mining operations as committed. No trees should be lost because of the mining activity.
5. The progressive and final mine closure plan including the green belt implementation and


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			environmental norms should be strictly followed as per the EMP.
12.	proposed Rough Stone and Gravel quarry over an extent of 0.84.0 Ha (Patta land) in S.F.No.31/1B, 31/1C(Part), 31/1E1(Part) & 31/1E2 (Part) of Nallur Village, Anaimalai Taluk and Coimbatore District by Thiru. T. Pasupathi - For Environmental Clearance.	9251	<p>The proposal is placed in this 356th SEAC Meeting held on 15.02.2023.</p> <p>During the presentation, proponent requested time for submission of additional details as pointed out by the SEAC, regarding NBWL clearance. Hence, SEAC decided to defer the proposal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to communicate the minutes to the proponent.</p>
13.	Proposed Rough Stone & Gravel quarry Lease over an extent of 3.44.10 Ha at S.F.No. 193/1 (P), 193/2(P) & 193/3 in Chennimalai Village, Perundurai Taluk, Erode District, Tamil Nadu by. Thiru. P. Thamilarasu – For Environmental Clearance	9273	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 16.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 4,51,900m³ of rough stone and 58,128m³ of gravel by restricting the depth of mining upto 22m Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
14.	Proposed Rough Stone & gravel quarry lease over an extent of 0.49.4 Ha at S.F.Nos. 11/4B, Perundurai Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru K P Saravanan-For Environmental Clearance	9305	<p>The Authority noted that the subject was appraised in the 356thSEAC meeting held on 17.02.2023. 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 19,400 m³ of Rough stone and 7,905</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

cu.m of Gravel by restricting the depth of mining upto 18m (3.0m Gravel + 15m Rough Stone) Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts,


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
15.	Proposed Gravel quarry lease over an extent of 4.16.0 Ha at S.F.Nos. 910/1 & 911/1, suriyallur Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Thiru. P. Subramaneam - for Environmental Clearance	9310	<p>The authority noted that this proposal was placed for appraisal in 356th meeting of SEAC held on 17.02.2023. During the meeting the PP has informed that the proposal would like to withdraw hence SEAC defer the proposal and requested to SEIAA to take further action in this regard.</p> <p>In view of the above, the authority decided to call for justification from the project proponent for the withdrawal request. On receipt of reply, deliberation will be done.</p>
16.	Proposed Quartz and Feldspar Quarry over an extent of 1.41.29 Ha in S.F.Nos. 281/4A2 of Kurumbapatti Village, Edappadi Taluk, Salem District, Tamil Nadu by M/s. Sri Sanjay Mines -For Environmental Clearance	9336	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 16.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,69,785MT of RoM which includes 16,979 MT of Quartz (@10% recovery), 1,35,828 MT of Feldspar</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

(@ 80% recovery) & 16,979MT of rejects for the depth of mining upto 19m from the surface as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

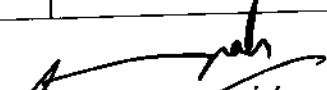
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.


MEMBER SECRETARY



MEMBER


CHAIRMAN
SEIAA-TN

17.	Proposed Rough Stone & Gravel quarry lease over an extent of 0.86.0 Ha in SF. Nos. 252/1B (Part) of Andipalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Tmt.P.Kannammal- For Environmental Clearance.	9344	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 17.02.23. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to grant Environmental Clearance for the quantity of 11,950m³ of rough stone and 2340m³ of gravel up to the depth of mining 22m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEFCC dated 08.06.2022
-----	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY



MEMBER


CHAIRMAN
SEIAA-TN

			<p>while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</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 and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p>
18.	Proposed Rough stone and Gravel quarry lease over an extent of 0.44.5 Ha (patta) at S.F.Nos. 5/1, 14, 8, 9, 10, 11 & 5/12B of Keeranur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru.S.Ganesan (Legal hirer Thiru. G. Vaithishwaran, S/o. S. Ganesan (Applicant) - For Environmental Clearance.	9345	<p>The Authority noted that the subject was appraised in 356th SEAC meeting held on 17.02.2023. 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 10,660 m³ of rough stone and 864 m³ of gravel with an ultimate depth of mining upto 15.5m bgl (0.5m Gravel + 15m Rough Stone) as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes,</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022. 2. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC. 4. The progressive and final mine closure plan including the green belt implementation and
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY



MEMBER


**CHAIRMAN
SEIAA-TN**

			<p>environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p> <p>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.</p> <p>6. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Panchayat Union Middle School, Pallathupatti Village, Pudukkottai District for the activities as committed, before obtaining CTO from TNPCB.</p>
19.	Proposed Rough Stone & gravel quarry Lease over an extent of 1.69.0 Ha at S.F.No. 64/1B (Part) & 64/2B (Part) in Kodavadi Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru.V.Harikrishnan – For Environmental Clearance	9350	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 16.02.2023. During the presentation, SEAC noted that from the KML, it is construed that a portion of the applied lease area has been quarried after 2018 without valid Environmental Clearance. Therefore, the SEAC decided that</p> <ol style="list-style-type: none"> 1. The AD/Mines shall inspect the quarry site and provide his comments on the existing site condition and pit details. 2. The PP shall enumerate the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants,


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>places of worship, industries, factories, sheds, etc.</p> <p>Authority, after detailed discussions, decided to obtain the following details from the project proponent in addition to those called by SEAC:</p> <p>i) Impact of mining on the agriculture/ agricultural fields, horticulture, humus, water body, wells, surface/underground drainage, biodiversity in the vicinity of the proposed site shall be studied from a reputed Institute. Health hazards anticipated due to the mining activity shall also be studied.</p>
20.	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	<p>The Authority noted that the subject was appraised in 356thSEAC meeting held on 17.02.2023.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 2,96,532 cu.m of Rough stone by restricting the depth of mining upto 15m Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>1. As Karikili Bird Sanctuary is proximity of the project site, the PP should ensure the following,</p> <ol style="list-style-type: none"> i. Migratory pathway of Birds should not be disturbed. ii. Roosting and Nesting habitation of birds should not be disturbed. iii. Blasting, noise and vibration should not disturb the safety of the Birds, behavior and their habitation. iv. The quarry operation should not fragment the bird's habitation. v. More fruit bearing trees to be planted in and around the project site. vi. No chemical and fertilizer to be used that can endanger the birds. vii. The human footprint to be limited to prevent biodiversity loss particularly, Avian Biodiversity. viii. The PP should support all Wildlife Awareness Program of the Forest Department to support conservation. ix. As birds contribute to ecology & have direct bearing in well beings of local people and their livelihoods, there shall be minimum impact due to proposed mining activity and proposed mitigation measures shall be implemented as committed. x. All actions in the project site should be nature friendly & Avifauna friendly. <p>2. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental</p>
--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>Clearance is valid as per the approved mine plan period.</p> <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&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>
21.	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	<p>The authority noted that the subject was appraised in 356th SEAC meeting held on 17.02.2023. 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 2,37,384 m³ of Rough Stone with an ultimate depth of mining up to 20m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. As Karikili Bird Sanctuary is proximity of the project site, the PP should ensure the following. <ol style="list-style-type: none"> i. Migratory pathway of Birds should not be disturbed. ii. Roosting and Nesting habitation of birds should not be disturbed. iii. Blasting, noise and vibration should not disturb the safety of the Birds, behavior and their habitation. iv. The quarry operation should not fragment the bird's habitation. v. More fruit bearing trees to be planted in and around the project site. vi. No chemical and fertilizer to be used that can endanger the birds. vii. The human footprint to be limited to prevent biodiversity loss particularly, Avian Biodiversity. viii. The PP should support all Wildlife Awareness Program of the Forest Department to support conservation. ix. As birds contribute to ecology & have direct bearing in well beings of local people and their livelihoods, there shall be minimum impact due to proposed mining activity and proposed mitigation measures shall be implemented as committed. x. All actions in the project site should be nature friendly & Avifauna friendly.
--	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<ol style="list-style-type: none"> 2. 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. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 6. 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. 7. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 15 Lakhs and the amount shall be spent towards the Adoption of Siruthamur Primary School for the activities as committed, before obtaining CTO from TNPCB.
--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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 356th SEAC meeting held on 17.02.2023. 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 3,29,770 m³ of Rough Stone with an ultimate depth of mining upto 22m bgl as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. As Karikili Bird Sanctuary is proximity of the project site, the PP should ensure the following, <ol style="list-style-type: none"> i. Migratory pathway of Birds should not be disturbed. ii. Roosting and Nesting habitation of birds should not be disturbed. iii. Blasting, noise and vibration should not disturb the safety of the Birds, behavior and their habitation. iv. The quarry operation should not fragment the bird's habitation. v. More fruit bearing trees to be planted in and around the project site.
-----	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<ul style="list-style-type: none"> vi. No chemical and fertilizer to be used that can endanger the birds. vii. The human footprint to be limited to prevent biodiversity loss particularly, Avian Biodiversity. viii. The PP should support all Wildlife Awareness Program of the Forest Department to support conservation. ix. As birds contribute to ecology & have direct bearing in well beings of local people and their livelihoods, there shall be minimum impact due to proposed mining activity and proposed mitigation measures shall be implemented as committed. x. All actions in the project site should be nature friendly & Avifauna friendly. <p>8. 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.</p> <p>9. 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>10. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p>
--	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY



MEMBER


CHAIRMAN
SEIAA-TN

			<p>11. 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>12. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>13. As per the MoEF& CC office memorandum F.No.22-65/2017-1A.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 15 Lakhs and the amount shall be spent towards the Adoption of Arunkundram Primary School, Kanchipuram District for the activities as committed, before obtaining CTO from TNPCB.</p>
23.	Proposed Rough Stone quarry lease over an extent of 4.95.0 Ha at S.F.No. 338/1(Part-1) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. D.Arunkumar - for Environmental Clearance	8275	<p>The authority noted that the subject was appraised in 356th meeting of SEAC held on 17.02.2023. 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 for Bench Width & Height of 5m each, decided to grant Environmental Clearance for the revised quantity of 5,81,151 cu.m. of Rough Stone and the annual peak production shall not exceed 1,19,501 cu.m. of Rough Stone by restricting the depth of mining upto 47m BGL as per the mine plan approved by</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

1. As Karikili Bird Sanctuary is proximity of the project site, the PP should ensure the following,
 - a) Migratory pathway of Birds should not be disturbed.
 - b) Roosting and Nesting habitation of birds should not be disturbed.
 - c) Blasting, noise and vibration should not disturb the safety of the Birds, behavior and their habitation.
 - d) The quarry operation should not fragment the bird's habitation.
 - e) More fruit bearing trees to be planted in and around the project site.
 - f) No chemical and fertilizer to be used that can endanger the birds.
 - g) The human footprint to be limited to prevent biodiversity loss particularly, Avian Biodiversity.
 - h) The PP should support all Wildlife Awareness Program of the Forest Department to support conservation.
 - i) As birds contribute to ecology & have direct bearing in well beings of local people and their livelihoods, there shall be minimum impact due to proposed mining


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>activity and proposed mitigation measures shall be implemented as committed.</p> <p>j) All actions in the project site should be nature friendly & Avifauna friendly.</p> <p>2. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.</p> <p>3. The EC granted is subject to review by District Collector, AD mines 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&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.</p> <p>5. The progressive and final mine closure plan including the green belt implementation and</p>
--	--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>environmental norms should be strictly followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.</p> <p>6. The project proponent shall store/dump topsoil generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>7. The project proponent shall spend EMP cost of Rs. 125.7 Lakhs/ 5 Years as committed.</p> <p>8. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 15 Lakhs and the amount shall be spent for the adoption of Neerkundram primary School, before obtaining CTO from TNPCB.</p>
24.	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	<p>The Authority noted that the subject was appraised in 356th meeting of SEAC held on 17.02.2023. 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, dseided to grant Environmental Clearance for the quantity of 93800 m3 of rough stone & 6786 m3 of Gravel by restricting the depth of mining upto 26m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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. As Karikili Bird Sanctuary is proximity of the project site, the Proponent should ensure the following,

- i. Migratory pathway of Birds should not be disturbed.
- ii. Roosting and Nesting habitation of birds should not be disturbed.
- iii. Blasting, noise and vibration should not disturb the safety of the Birds, behavior and their habitation.
- iv. The quarry operation should not fragment the bird's habitation.
- v. More fruit bearing trees to be planted in and around the project site.
- vi. No chemical and fertilizer to be used that can endanger the birds.
- vii. The human footprint to be limited to prevent biodiversity loss particularly, Avian Biodiversity.
- viii. The PP should support all Wildlife Awareness Program of the Forest Department to support conservation.
- ix. As birds contribute to ecology & have direct bearing in well beings of local people and their livelihoods, there shall be minimum impact due


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

to proposed mining activity and proposed mitigation measures shall be implemented as committed.

2. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
3. The EC granted is subject to review by District Collector, AD mines and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC as per the O.M of MoEF&CC dated 08.06.2022 while executing a review of the mining plan every 5 years to District Collector, AD mines and TNPCB. If any violation/ non-compliance is observed, the concerned authority shall take necessary action against the project proponent and it shall also be brought to the notice of SEIAA for taking appropriate actions according to the Acts, Regulations, Notifications and Judgements in force. A copy of the review shall be sent to SEIAA/SEAC.
5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			followed as per the EMP and this should be reviewed by the District Collector, AD mines, & TNPCB every 5 years till the project life to ensure environmental sustainability.
25.	Expansion of existing Residential Apartment complex by M/s. Puravankara Limited., at S.No: 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu – Environmental Clearance	8201	<p>The proposal is placed in this 356th SEAC Meeting held on 15.02.2023. Earlier the proposal was placed in the 343rd SEAC Meeting held on 05.01.2023.</p> <p>Based on the presentation and document furnished by the project proponent, SEAC decided obtain the following additional particulars from the proponent:</p> <ol style="list-style-type: none"> i) Affidavit shall be submitted to undertake Operation & Maintenance for 10 Years. ii) Submit the revised EMP including Solar which must cover a minimum of 50% of the roof top area. <p>Meanwhile, the SEAC decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and to assess ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation.</p> <p>After the receipt of the additional details from the proponent and the evaluation report by the Sub-committee, the SEAC will deliberate on the issue of Environmental Clearance under violation category. SEAC also decided to direct SEIAA-TN to initiate action to be taken for violation cases in accordance with law.</p>


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

			<p>The Sub-committee report was placed in this 356th Meeting of SEAC held on 18.02.2023. After detailed deliberation, SEAC decided to obtain the remarks of the PP on the observations of the sub-committee and also shall submit the details sought by sub-committee.</p> <p>On receipt of the aforesaid details, the proposal will be considered for further deliberations.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to communicate the minutes to the proponent.</p>
26.	<p>Proposed construction of Commercial Development at S.F.No.231/3A1, 231/3B1, 231/3B2, 231/3B3, 231/3B4, 231/3B5, 231/3B6, 231/3B7 at Perungudi Village, Shollinganallur Taluk, Chennai District, Tamil Nadu by M/s. VVA Properties Pvt Ltd - For Environmental Clearance.</p>	9649	<p>The authority noted that the subject was appraised in 345th SEAC meeting held on 10.01.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance for a period of 7 Years subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions</p> <ol style="list-style-type: none"> 1. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.1.026 Crores Lakhs and the amount shall be spent for the activities as committed before SEAC for the two Governments Schools before obtaining CTO from TNPCCB. 2. The Project proponent shall obtain commitment letter for fresh water supply and


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>disposal of excess treated sewage from the competent authority for the proposed activity before obtaining CTO from TNPCB.</p> <ol style="list-style-type: none"> 3. The proponent shall deploy cost-effective technology to reduce GHG emissions. 4. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building. 5. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials). 6. The proponent shall adopt strategies to decarbonize the building. 7. The proponent shall adopt strategies to maintain the health of the inhabitants. 8. The proponent shall adopt strategies to reduce electricity demand and consumption. 9. The proponent shall provide provisions for automated energy efficiency. 10. The proponent shall provide provisions for controlled ventilation and lighting systems. 11. The proponent shall adopt strategies to reduce temperature including the Building Façade. 12. 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, &
--	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

		<p>Batteries (Management and Handling) Rules, 2001.</p> <p>13. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.</p> <p>14. The proponent shall adopt methodology to control thermal environment and other shocks in the building.</p> <p>15. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO₂, CH₄, nitrous oxide, etc., resulting from human activities.</p> <p>16. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.</p> <p>17. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,</p> <p>18. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>19. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>20. 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>21. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p>
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


MEMBER SECRETARY


MEMBER

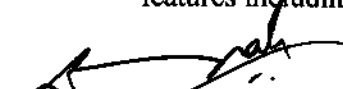

CHAIRMAN
SEIAA-TN

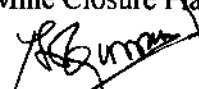
		<p>22. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.</p> <p>23. The proponent shall adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.</p> <p>24. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.</p> <p>25. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.</p> <p>26. The proponent shall adopt strategies to prevent bird hits.</p> <p>27. 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>28. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.</p>
--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

Applicable Regulatory Frameworks

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

Safe mining Practices

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
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,


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

Water Environment – Protection and mitigation measures

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

Air Environment – Protection and mitigation measures

17. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.


MEMBER SECRETARY


MEMBER


**CHAIRMAN
SEIAA-TN**

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

Soil Environment – Protection and mitigation measures

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.

Noise Environment – Protection and mitigation measures

28. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
29. The sound at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

Biodiversity - Protection and mitigation measures

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

Climate Change

35. The project activity should not in any way impact the climate and lead to a rise in temperature.
36. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
37. Intensive mining activity should not add to temperature rise and global warming.
38. Operations should not result in GHG releases and extra power consumption leading to Climate Change.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

39. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.
40. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.
41. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
42. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

Reserve Forests & Protected Areas

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

Green Belt Development

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

Workers and their protection


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

Transportation

57. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
58. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Storage of wastes


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

CER/EMP

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

61. The EMP Shall also be implemented in consultation with local self-government institutions.

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

Directions for Reclamation of mine sites

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

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

65. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.

66. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

67. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
68. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
69. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
70. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
71. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
72. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
73. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
74. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

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

Annexure 'C'

Climate Change

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

Health

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

Energy

11. The proponent shall adopt strategies to reduce electricity demand and consumption.
12. The proponent shall provide provisions for automated energy efficiency.
13. The proponent shall provide provisions for controlled ventilation and lighting systems.
14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

15. All the construction of Buildings shall be energy efficient and conform to the green building norms. The PP shall ensure that carbon neutral building.
16. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.

Regulatory Frameworks

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

Database maintenance & audits

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

Biodiversity

22. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,
23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.
24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
26. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.
27. The proponent shall adopt strategies to prevent bird hits.

Safety measures

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

Water/Sewage

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

Parking


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

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

Solid waste Management

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

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

EMP

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

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

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

Others

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

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


MEMBER SECRETARY


MEMBER


CHAIRMAN
SEIAA-TN

