

MINUTES

675th MEETING

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

Date: 22.11.2023

**MINUTES OF THE 675th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 22.11.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 674 th meeting of the Authority held on 20.11.2023.		The minutes of the 674 th meeting of the Authority held on 20.11.2023 was confirmed.
b)	The Action taken on the decisions of the 674 th meeting of the Authority held on 20.11.2023.		The Member Secretary informed that 674 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	Proposed Rough Stone & Gravel quarry lease over an extent of 3.35.5Ha at SF.No. 275/1B, 275/2A, 238/1A, 238/1B, 238/1C & 238/1D of Siruthamur Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu by Thiru.S.Rajendiran for Environmental Clearance. (SIA/TN/MIN/439682/2023)	9689	The Authority noted that the subject was appraised in the 411 th Meeting of SEAC held on 27.09.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to grant EC subject to the conditions stated therein. In view of the above, the authority raised ADS. The PP has now submitted reply for SEIAA ADS. The reply was placed in 675 th authority meeting held on 22.11.2023. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects, and to ensure sustainable, scientific and systematic mining, SEIAA decided to grant Environmental Clearance for the quantity of 6,05,600m ³ of Rough stone and 55,070m ³ of Gravel to the depth of mining 40m BGL and the annual peak production should not exceed 1,34,159m ³ of Rough stone and 24,336m ³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.


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		<ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented. 3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life. 4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months. 5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC. 6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
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			<p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
2.	To consider the proposal for the grant of Environment Clearance for Proposed Gravel quarry lease area over an extent of 9.71.0Ha at	6768	<p>The authority noted that,</p> <p>(i) The proposal was placed in 255th SEAC meeting held on 18.3.2022. Earlier, this proposal was placed before 239th SEAC</p>


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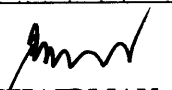

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	<p>S.F.Nos.169/2C4 of Goonipalayam Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by Thiru.J.Baskar</p>	<p>meeting held on 22.10.2021 and recommended for the grant of Environmental Clearance subject to the certain conditions to be complied with. (Ref minutes of 239th SEAC meeting (item no. 21).</p> <p>(ii) Subsequently, it was placed before 483rd SEIAA meeting held on 28.1.2022 (ref SEIAA 483rd meeting held on 28.1.2022) and the SEIAA noted that a representation dated, 21.12.2021 has been received from Tmt. K.Selvi, Bangarapet, Bangalore through Thiru.G.Sivakumar, Advocate to SEIAA-TN on 22.12.2021 along with affidavit filed by Mrs.K.Selvi in the court of Sub-ordinate Judge of Tiruvallur in O. S.No. 190 of 2021 and Authority decided to refer back the proposal to SEAC with a request to furnish the remarks on the above for the issuance of Environmental Clearance.</p> <p>(iii) Under the above circumstance the proposal was again placed in 255th SEAC Meeting held on 18.3.2022. The SEAC noted that it is a civil litigation pending challenging the title of the proposed site although the patta is in the name of the proponent and possession of the site is also with the proponent. However, this being a legal issue and not a technical matter, the Committee decided that, the SEIAA shall take decision in this regard in accordance with law.</p> <p>Meanwhile the PP submitted a representation dated 11.08.2022 stating that the Writ petition W.P.No.6569 of 2022 has been dismissed.</p>
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Then the proposal was placed in 558th Authority meeting and the authority noted that, OS No. 190 of 2021 is still pending and next hearing date is fixed on 02/11/2022.

In view of the above, the authority decided that issue of EC will be considered only based on the final orders of OS No. 190 of 2021.

The Authority raised ADS in its 558th Authority meeting held on 10.10.2022. The PP has now furnished reply. The reply was then placed in 640th Authority meeting held on 19.07.23.

In view of the above, the authority decided that,

- (i) The MS, SEIAA shall obtain a legal clarification on the above said issue for issuing EC.

At this juncture, now the PP has submitted request to consider the application stating that the unresolved civil case (OS No.190 of 2021) related to this matter has been concluded by the Honorable Subordinate Court in Thiruvallur on October 31,2023.

The Judgement states that,

"IA 6/2023 the advance hearing petition allowed today hence this petition taken up today and plaintiff and plaintiff counsel present and memo filed stating that she is not pressing this suit and the same is recorded and hence this suit is dismissed without cost as not pressed by the petitioner."

The above PP's request was placed in this 675th Authority meeting held on .11.23. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects, and to ensure sustainable, scientific and

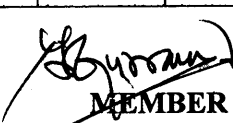

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		<p>systematic mining, SEIAA decided to grant Environmental Clearance for the quantity of 60,000m³ of Gravel to the depth of mining 1m BGL for one year and the annual peak production should not exceed 60,000m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every year and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented. 3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life. 4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months. 5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining
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		<p>Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.</p> <p>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.</p> <p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
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3.	Proposed Rough stone quarry over an extent of 2.07.0 Ha at S.F.Nos. 30/1, 30/3, 30/4, 30/5, 30/6, 30/7, 30/8A, 30/9, 30/10, 30/11 and 31/2 kilukulavoipatti Village, Kulathur Taluk, Pudukkottai District , Tamil Nadu by Thiru.V. Sasikumar- For Terms of Reference	9930	<p>After detailed discussions, the authority noted as follows:</p> <ol style="list-style-type: none"> 1. The subject was placed in 632nd Authority meeting held on 21.06.2023. & 22.06.2023. The authority noted that the subject was appraised in 382nd SEAC meeting held on 09.06.2023. SEAC has furnished its recommendations for granting Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions stated therein. <p>After detailed discussion, SEIAA decided to obtain the following additional details from the PP.</p> <ol style="list-style-type: none"> (i) The project proponent shall furnish the certified compliance report obtained from MoEF & CC/IRO. <ol style="list-style-type: none"> 2. Now, the proponent has submitted a request letter dated 15.11.2023 stating as follows: <p style="margin-left: 40px;"><i>"We have already submitted the documents to obtain Certified Compliance Report (CCR) from the Regional Office of MoEF&CC dated: 29.08.2023. Due to lack of manpower in the IRO of MoEF & CC there is a delay in site inspection and issuing CCR. Hence allow us to submit the CCR report during the process of EC and arrange to issue the ToR please."</i></p>
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			<p>In view of the above, the Authority after considering the request of PP and also taking into account the recommendations of SEAC, decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions and the conditions in 'Annexure B' of this minutes.</p> <p>1. The project proponent shall obtain Certified Compliance Report (CCR) from MoEF&CC/IRO and submit the same along with EIA report.</p>
4.	Proposed Black granite quarry lease over an extent of 1.86.5 Ha at S.F.Nos. 408/2B, 410/1A, 420/1A, 420/1B1 & 421/2B Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu, by Tmt.Mohana Gopinath (Legal Heir) of Late.A.Gopinath (applicant) – For Environmental Clearance	8022	<p>After detailed discussions, the authority noted as follows:</p> <p>1. Earlier, this proposal was taken up in the 383rd SEAC meeting held on 15.06.2023 and the PP has made the detailed presentation along with approved mining plan for the period of 2019-20 to 2023-24. Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided as follows.</p> <p>(i) SEIAA may obtain clarification from the Director, Department of Mines & Geology, as to how the mine was allowed to operate without NBWL clearance & without CTO from TNPCB.</p>

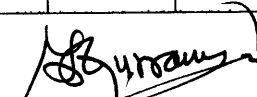

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		<p>2. Subsequently, the subject was placed in 633rd Authority meeting held on 26.06.2023 & 27.06.2023. The authority noted that the subject was appraised in 383rd SEAC meeting held on 15.06.2023 and SEAC has furnished its recommendations to SEIAA. After detailed discussion, SEIAA decided to obtain the following additional details.</p> <p>(i) SEIAA may obtain clarification from the Director, Department of Mines & Geology, as to how the mine was allowed to operate without NBWL clearance & without CTO from TNPCB.</p> <p>(ii) The PP shall furnish the clarification from Chief Wildlife Warden regarding a separate Eco Sensitive Zone is required for Cauvery South Wildlife Sanctuary.</p> <p>3. The proponent vide letters dated 25.07.2023 & 04.09.2023 gave reply to the details sought by SEIAA.</p> <p>4. The subject was again placed in the 668th authority meeting held on 01.11.2023. After detailed discussions, the authority noted that earlier a letter was addressed to the Director, Department of Mines & Geology vide letter dated 14.08.2023. So far no reply was received.</p> <p>Hence the Member Secretary, SEIAA is requested to place a remainder letter to the Director, Department of Mines & Geology, requesting him to clarify as to how the mine</p>
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		<p>was allowed to operate without NBWL clearance & without obtaining CTO from TNPCB.</p> <p>5. A reminder letter was addressed to the Director, Department of Mines & Geology vide letter dated 14.11.2023. So far no reply was received.</p> <p>6. Now, the proponent has submitted a request letter dated 16.11.2023 stating as follows:</p> <p><i>“... We submit that we met Commissioner Mines and Geology and Deputy Director Geology and Mines with minutes of the meeting NO 383 dated 15.06.2023, File no 8022. And requested them to give clarification to SEAC as to how mining operations was allowed for a period of 630 days without NBW clearance and without CTO from TNPCB.</i></p> <p><i>After going through the observation of the authority during the meeting, no 383, SL. NO 20. File no 8022, they said these are very sensitive issues and expressed their inability to give anything in writing in this regard, they further said that they have acted as per the directions of the government of the day and well within the law, and directed us to re-apprise your good office once again and sort out the issue...”</i></p> <p>In view of the above, the authority decided to refer back the proposal to SEAC for remarks / recommendations on the above mentioned points.</p>
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5.	Proposed Rough Stone and Gravel quarry project over an extent of 0.82.70Hain S.F.No. 16/2A, 17/1 and 24/2B at Sirukalambur Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru. R. Udayasrinivasan- For Environmental Clearance application Withdrawal.	8154	The Authority accepted the withdraw request made by project proponent.
6.	Proposed Rough Stone and Gravel quarry project over an extent of 0.99.5Hain S.F.No. 88/8 at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by Thiru. K.Murugesan- For Environmental Clearance application Withdrawal.	8161	The Authority accepted the withdraw request made by project proponent.
7.	Proposed rough stone & gravel quarry lease area over an extent of 4.19.0 Ha at S.F.Nos. 193/1, 193/2 & 193/3, Chennimalai Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru. P. Thamilarasu- For Environmental Clearance application Withdrawal.	8819	The Authority accepted the withdraw request made by project proponent.
8.	Proposed Rough Stone & Gravel quarry lease over an extent of 4.07.5 Ha (patta land) at S.F. Nos: 1/1, 1/2, 1/3 & 4/1 of Pallakapalayam Village, Kumarapalayam Taluk, Namakkal District, Tamil Nadu by	9467	The Authority noted that the subject was appraised in the 397 th meeting of SEAC held on 03.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions



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	<p>Thiru.K. Palanisamy -For Environmental Clearance (SIA/TN/MIN/289439/2022).</p>		<p>stated therein.</p> <p>Subsequently, the subject was placed in the 648th meeting of Authority held on 22.08.2023. After detailed discussions, the Authority decided to obtain additional details stated therein. Based on the Proponent's reply vide letter dated:27.09.2023, the proposal was placed in the 661st Authority meeting held on 09.10.2023. The Authority further noted that lease was granted for a period of 5 years. The lease deed was executed on 18.02.2017 and lease period valid from 18.02.2017 to 17.02.2022. Subsequently, the PP has applied for extension of lease period from 5 to 10 years as per G.O.(Ms).No.208. After detailed discussions, the Authority decided to obtain a Copy of valid mining lease approval letter obtained from the competent Authority.</p> <p>Again, the PP had submitted a reply vide letter dated:16.11.2023. Hence, subject was placed in the 675th Authority meeting held on 23.11.2023. After detailed discussions, the Authority decided to obtain a Copy of valid mining lease approval letter obtained from the competent Authority</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
9.	<p>Proposed Multi Colour Granite Quarry over an extent of 2.81.5 Ha at S.F.Nos. 911/1A1, 911/1B1, 913/1A1 (Part) and 913/1B1 (Part) of Alambadi Village, Gujiliamparai Taluk, Dindigul District, Tamil</p>	10310	<p>The Authority noted that the subject was appraised in the 409th Meeting of SEAC held on 21.09.2023. Based on the presentation made by the proponent, SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing, subject to the TORs stated therein, in addition to the standard</p>


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	<p>Nadu by M/s. S.G.Granites -For Terms of Reference. (SIA/TN/MIN/430659/2023)</p>		<p>terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report. Subsequently, the subject was placed in the 660th Authority meeting held on 06.10.2023. After detailed discussions, the Authority decided to obtain the following details</p> <ol style="list-style-type: none"> 1. The proponent shall give an Affidavit before the issuance of ToR from SEIAA-TN stating that the mining operations will remain suspended till they obtain the EC granted by the SEIAA after the reappraisal process as per MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023. <p>Now, the PP had submitted a reply as sought by the Authority. Hence, the subject was placed in the 674th Authority meeting held on 23.11.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes.</p>
10.	<p>Existing Rough Stone quarry lease over an extent of 1.62.0 Ha at S.F.No. 770/1 & 770/2 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. G.Murugesan – Environmental Clearance</p>	9679	<p>The Authority noted that,</p> <ol style="list-style-type: none"> 1. The Project Proponent Thiru. G. Murugesan applied seeking Environmental Clearance for the existing Rough stone quarry lease over an extent of 1.62.0 Ha at S.F.No. 770/1 & 770/2 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu vide online


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application no. **SIA/TN/MIN/ 412053 /2022**
dated 26.12.2022.

2. Previously EC was issued vide Lr. No. SEIAA-TN/F.No.5344/1(a)/ EC.No: 3452/2016 dated:29.07.2016 to Thiru. G.Murugesan for Rough stone quarry lease over an extent of 1.62.0 Ha at S.F.No. 770/1 & 770/2 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu for the production of 63,707 cu.m Rough stone to a depth of 26m.
3. Now as per the approved mining plan, total production for the first 5 years not to exceed Rough stone – 1,09,360m³ to the proposed depth of 15m BGL. The annual peak production shall not exceed 23,540 m³. Lease Period is from 08.03.2017 - 07.03.2022 for 5 years lease period and deemed to be extended for 10 years up to 07.03.2027.
4. The subject was placed in the 354th and 389th meetings of SEAC held on 10.02.2023 and 06.07.2023 respectively and the SEAC has recommended that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF & CC, subject to the conditions stated therein.
5. The subject was placed in the 600th and 639th meeting of Authority held on 10.04.2023 and 17.07.2023 respectively. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable,

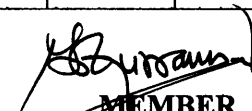

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		<p>scientific and systematic mining, decided to grant Environmental Clearance for the restricted production quantity of 77910 m³ of Rough stone to the proposed depth of 15m BGL in 5 years.</p> <p>6. Meanwhile it was noticed that EC letter could not be uploaded on PARIVESH as the PARIVESH SECTION has wrongly uploaded REJECTION LETTER for the said project for reasons unknown.</p> <p>7. Now the PP vide letter dated 15.11.2023 has informed that he has filed a new online application no. SIA/TN/MIN/ 450933 /2023 dated 01.11.2023 and has submitted notarized affidavit stating that mine lease area, statutory orders, mining plan etc are same as uploaded in the previous online application no. SIA/TN/MIN/412053/2022 dated 26.12.2022.</p> <p>8. Note received from the Member Secretary stating that on perusal of the new online application, it was noticed that the project site details such as S.F.Nos., total area, location and production quantity sought are same in both the aforesaid online applications.</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 87910 m³ of Rough stone upto the restricted depth of 15m BGL and the annual peak production should not exceed 23540 m³ of Rough stone as per the approved mining plan. This is also subject to the</p>
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standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.
5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.


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		<p>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.</p> <p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
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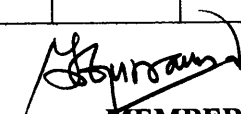

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11.	Proposed Construction of Residential & Commercial Development building S.F.No. 701/1A, 701/1B, 701/2A, 701/2B, 702/1(pt), 702/1A, 702/1B, 702/1C, 702/1D, 702/2 and 761/2, T. S. No. 1/2, 1/3 & T. S. No. 2, Block No. 20 Madhavaram Village, Madhavaram Taluk Thiruvallur District, Tamil Nadu by M/s. Alliance Villas Pvt. Ltd - Issue of Terms of Reference (ToR) under violation	9469	<p>The authority noted that the subject was earlier appraised in 389th SEAC meeting held on 06.07.2023.</p> <p>During the presentation, SEAC noted that</p> <ol style="list-style-type: none"> i. The proposed site has a valid Environmental Clearance issued in the name of M/s Tamil Nadu Maheswari Foundation vide Lr.No. SEIAA/TN/F.5597/2016/ EC/8(a)/577/2018 dt: 09.05.2018. ii. Further, the Environmental clearance was issued for the Construction of Residential Buildings, Commercial Buildings (Kalyana Mandabam, Club House) and Institutional Building (Nursery & Primary School) Project. iii. The EIA Coordinator disclosed that the proponent M/s Alliance Villas Pvt. Ltd has constructed an office building which is not part of the earlier obtained Environmental Clearance. <ol style="list-style-type: none"> 1. As per MoEF&CC Office Memorandum vide F.No. IA3-22/10/2022-IA.III dated: 05.05.2022 – Clarification with regard to non-requirement of EC amendment due to change in conceptual plan arising out of statutory requirements in building and construction sector, para 5, 6 & 7 states as follows. <p style="text-align: center;"><i>“...5. Accordingly, matter has been examined and it has been decided that any change in configuration/planning/design</i></p>
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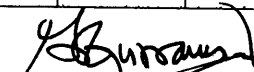

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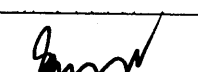

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			<p><i>of the appraised building Project for which EC was granted shall not require amendment of EC, subject to no change in (i) Built Up Area (ii) Floor Area Ratio (FAR) (iii) change in exterior spaces/green belts, parking, walkways and driveways that are covered including attics and outdoor sports courts. Further there shall be no change in the designated use of the building, number of dwelling units, height of the building, number of floors & basements and total excavation of earth of the building/construction/ township/ area development project so as not to require any changes in the already approved Environmental Impact Analysis (EIA) and Environmental Management Plan (EMP).</i></p> <p>2. Any addition, alteration, modification in the conceptual plan, as stated at para- 6 of the EIA Notification 2006, for which prior EC was granted other than the changes falling under the category of permissible changes as explained in para 5 above which</p>
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			<p>results in the increase in pollution of any type beyond the approved levels necessitating fresh EIA/EMP shall be treated as Violation and shall be dealt with accordingly as per the provisions of the Office Memorandum dated 7th July 2021.”</p> <p>3. SEAC noted, through Google maps and the photographs submitted by the proponent and also details contained in the complaint letter, that the PP has commenced construction of at least two framed structures, not covered by the previous EC.</p> <p>In the light of the above facts and Office Memorandum cited above, the Committee decided to (1) reverse its earlier recommendation, (2) treat this as a violation category and (3) recommend for the grant of sector specific standard Terms of Reference (ToR) under violation category in 3 parts for the project, for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact Assessment report by the Accredited consultant and also with collection and analysis of data for the assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial</p>
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		<p>research Institutions working in the field of Environment in addition to the following ToRs:</p> <ol style="list-style-type: none"> This ToR is issued subject to the outcome of the court case filed before the Hon'ble High Court of Madras (Madurai Bench) vide W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India challenging the SoP for violation proposals dated 07th July 2021. No construction shall be initiated at the project site without obtaining prior Environmental Clearance. <p>Subsequently, the proposal was placed in 639th SEIAA meeting held on 18.07.2023. The authority after detailed deliberation decided that</p> <ol style="list-style-type: none"> The proponent has stated in his presentation as <i>"...We have initiated to surrender the existing environmental clearance through Parivesh Portal, but, but online surrender facilities is not enabled in Parivesh Portal."</i> <p>Hence, in the view of the above, in order to verify the proponent's claim that there is no provision for surrender of EC, Authority decided to defer the proposal.</p> <p>Now the PP has submitted a representation received by this office on 24.08.2023. Based on the representation, the proposal was placed before 661st SEIAA meeting held on 09.10.2023 & 10.10.2023. The authority after detailed deliberation, noted the following</p> <ol style="list-style-type: none"> The proponent has requested authority to consider the proposal under regular category.
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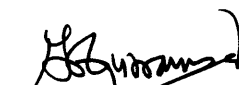

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		<p>2. The proponent M/s Maheswari Foundation has no objection in transferring the earlier obtained Environmental Clearance in the name of M/s Maheswari Foundation to M/s. Alliance Villas Pvt. Ltd.</p> <p>Hence, in the view of the above, authority decided that the proponent's request to consider the proposal under normal category as against the committee's decision to issue Terms of Reference under violation category, has no substantial evidence and justification to consider under normal category and hence, Authority decided that proponent's request to consider the proposal under normal category is hereby not considered.</p> <p>Further, Authority decided to call for additional details with respect to name change only as follows</p> <ol style="list-style-type: none">1. The PP shall submit details of Physical process made on the project / facilities / activities for which environmental clearance was granted earlier.2. The PP shall submit No Objection from the transferor.3. The PP shall submit undertaking by transferee stating regarding acceptance of the terms and conditions was granted.4. The PP shall submit Copy of Transfer of the firm from competent authority.5. The PP shall submit Covering Letter duly signed by the project proponent or authorized person. <p>Upon the receipt of the above-mentioned details, further deliberation shall be done.</p>
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		<p>Now the PP had submitted a reply received by this office on 06.11.2023. Based on the representation, the proposal was placed before 675th SEIAA meeting held on 22.11.2023.</p> <p>Based on the documents furnished by the proponent, Authority after detailed deliberation noted that</p> <ol style="list-style-type: none"> 1. M/s. Tamilnadu Maheswari foundation could not construct as per the proposed approval, they entered into a joint development agreement with M/s Alliance Villas pvt ltd. Further, M/s Tamilnadu Maheswari foundation have issued a General Power of Attorney in favour of M/s. Alliance Villas Pvt Ltd and as per the above, M/s. Alliance Villas Pvt Ltd is authorized to develop and to apply for modification of existing approval with CMDA and to do all other acts, deeds and things with respect to the same. <p>Hence, based on the above, Authority decided to accept that the M/s. Alliance Villas Pvt Ltd has been given authorization to obtain the necessary statutory documents with respect to the current proposal which involves modification of the earlier issued Environmental Clearance in the name of M/s. Tamilnadu Maheswari foundation.</p> <p>Considering the above facts and documents furnished by the proponent and also considering the recommendation of SEAC in its 389th SEAC meeting held on 06.07.2023, Authority decided to grant Terms of Reference (ToR) under violation category for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and</p>
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			community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / Standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'D' .
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Annexure 'A'

a) EC Compliance

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

b) Applicable Regulatory Frameworks

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


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c) **Safe mining Practices**

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

d) **Water Environment – Protection and mitigation measures**

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


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

e) **Air Environment – Protection and mitigation measures**

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

f) **Soil Environment – Protection and mitigation measures**

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked


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

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

g) Noise Environment – Protection and mitigation measures

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

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

h) Biodiversity - Protection and mitigation measures

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

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

33. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.


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

i) Climate Change

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

j) Reserve Forests & Protected Areas

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


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51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.

52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

53. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.

54. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

l) Workers and their protection

55. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.

56. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.

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

m) Transportation

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


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

n) Storage of wastes

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

o) CER/EMP

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

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

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

p) Directions for Reclamation of mine sites

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

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

66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-


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

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


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

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

Annexure 'B'

Cluster Management Committee

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


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

Impact study of mining

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following
- a) Soil health & soil biological, physical land chemical features .
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction in the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.
 - h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity

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

Forests

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


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

Water Environment

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

Energy

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

Climate Change

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


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

Mine Closure Plan

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

EMP

35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.
36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

Risk Assessment

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

Disaster Management Plan

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

Others

39. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.
40. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.
41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.


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Annexure 'C'

Climate Change

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

Health

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

Energy

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

Regulatory Frameworks


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

Database maintenance & audits

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

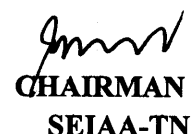
Biodiversity

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

Safety measures


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

Water/Sewage

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

Parking

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

Solid waste Management

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


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

EMP

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

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

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

Others

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

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

Annexure - 'D'

1. Impacts on Energy requirement.
2. Impacts on living System (air ,water ,soil & micro organism).
3. Impacts on terrestrial & aquatic within and surrounding areas.
4. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the CER activities as committed with the action plan.
5. All the construction of Buildings shall be energy efficient and confirm to the green building norms.
6. The proponent shall provide adequate parking facility for vehicles of all the workers & visitors.
7. The proponent shall ensure that no treated or untreated trade effluent/sewage discharged outside the premises under any circumstances.
8. The disaster management and disaster mitigation standards to be seriously adhered to avoid of calamities.
9. The proponent shall provide the action taken for reduction of green house gas emissions to support the climatic action to make it sustainable buildings.
10. The project proponent shall furnish the action taken to provide adequate parking space for

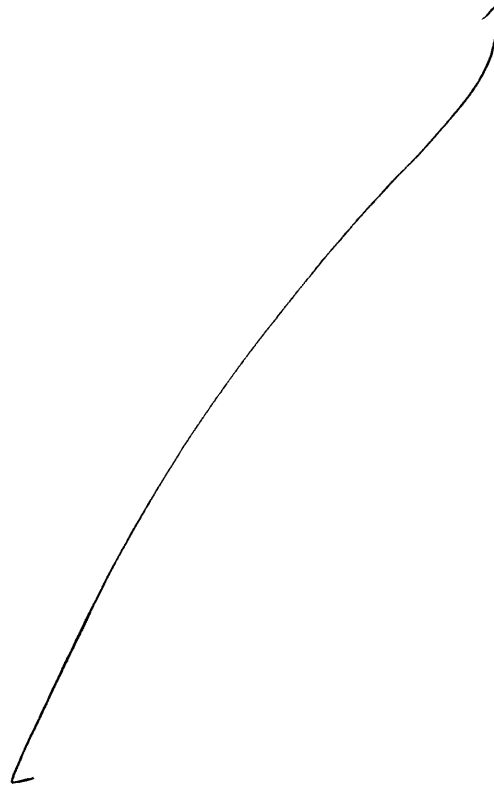

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visitors of all inmates including clean traffic plan.

11. The project proponent shall furnish the action taken to improve water usage efficiency in the building.
12. The project proponent shall conduct detailed study of biodiversity flora & fauna including invasives /endemic vulnerable species.
13. The project proponent shall furnish NOC obtained from competent authority that there is no encroachment of water bodies (including canals).
14. The project proponent shall furnish impact of Green House Gases emissions and climate change likely due to activities.
15. The project proponent shall conduct detailed soil investigation including microflora /fauna.
16. The project proponent shall study impact on livelihoods of locals.
17. The project proponent shall furnish List of trees available in the area.
18. The project proponent shall study impact of activities on water bodies/wetlands.
19. The project proponent shall conduct studies on invasive and alien species




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Minutes of 675th SEIAA meeting for files forwarded/referred back to SEAC for Public Hearing

The authority noted that, the Committee in its 416th SEAC meeting inter alia had directed the project proponents to conduct Public Hearing, since mining of major minerals falls under 'B1' category irrespective of extent, by quoting relevant Notifications and O. Ms issued by MoEF&CC.

In view of the above, the authority decided to bring it to the notice of the Committee, wherein the following proposals involving mining of major minerals had been recommended for Environmental Clearance under violation category subject to the conditions stated therein. Subsequently, based on the recommendation of the committee, the proposals had been deferred by Authority for want of additional details from the PP.

However, Authority on perusal of the 416th SEAC meeting minutes and directions given by the committee to the PP, it is evident that the major minerals irrespective of extent falls under 'B1' category. Hence, the mining of major mineral by itself will have to be treated as 'B1' category as per EIA Notification, 2006. Hence, all such proposals will have to follow the procedure for activity falling under 'B1' category as laid down in sub para III of para 7 (i) of EIA Notification, 2006.

In the view of the above, the Authority after detailed deliberation and considering the Notifications and O.M.s quoted by the committee in its 416th SEAC meeting minutes, decided to forward/ refer back such proposals to Committee and committee shall examine the following proposals involving quarrying of major mineral with respect to the applicability of Public Hearing and shall furnish its remarks to SEIAA.

S. No	Offline No.	Online Proposal No.	Description
ToR issued files			
1.	6207	SIA/TN/MIN/27372/2018 Dated.26.07.2017	ToR under violation category issued vide Lr.No.SEIAA-TN.F.No.6207/SEAC/ToR-1406/2023 dated.21.03.2023.
2.	6305	SIA/TN/MIN/27588/2018 Dated.02.05.2017	ToR under violation category issued vide Lr.No.SEIAA-TN.F.No.6305/SEAC/ToR-1404/2023 dated.21.03.2023.


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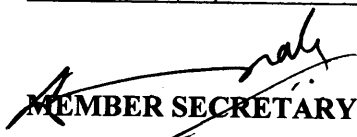
3.	6389	SIA/TN/MIN/25056/2018 Dated.13.04.2018	ToR under violation category issued vide Lr.No.SEIAA-TN/F.No.6389/SEAC/1(a)/ ToR - 1498/2023 dated.22.06.2023.
4.	6324	SIA/TN/MIN/25020/2018 Dt: 13.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No. 6324/SEAC/ToR-1401/2023 dated 21.03.2023 granted Terms of Reference (ToR) without Public Hearing under violation category
5.	6349	SIA/TN/MIN/27232/2018 Dated.06.09.2017	ToR under violation category issued vide Lr No.SEIAA-TN/F.No.6349/2017/TOR-1320/2023 Dated: 27.01.2023. (without Public Hearing)
6.	6358	SIA/TN/MIN/27168/2018 Dated: 11.09.2017	ToR. under violation category issued vide Lr.No.SEIAA-TN/F.No.6358/SEAC/ToR-1388/2018 Dated:21.03.2023.
7.	6387	SIA/TN/MIN/27537/2018 Dt: 16.06.2017	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No. 6387/1(a)/ 2018/ SEAC/ ToR-1482 /2023 dated 22.06.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
8.	6407	SIA/TN/MIN/25095/2018 Dated: 13.04.2018	ToR under violation category issued vide Lr.No.SEIAA-TN/F.No. 6407/SEAC/ToR-1432/2018 Dated:24.04.2023.
9.	6408	SIA/TN/MIN/25079/2018 Dt: 03.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6408/2018/SEAC/ToR-1484/2023 dated 22.06.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
10.	6248	SIA/TN/MIN/27376/2018, dated: 25.07.2017	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6248/2017/SEAC/ToR-1416/2023 dated 21.03.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.


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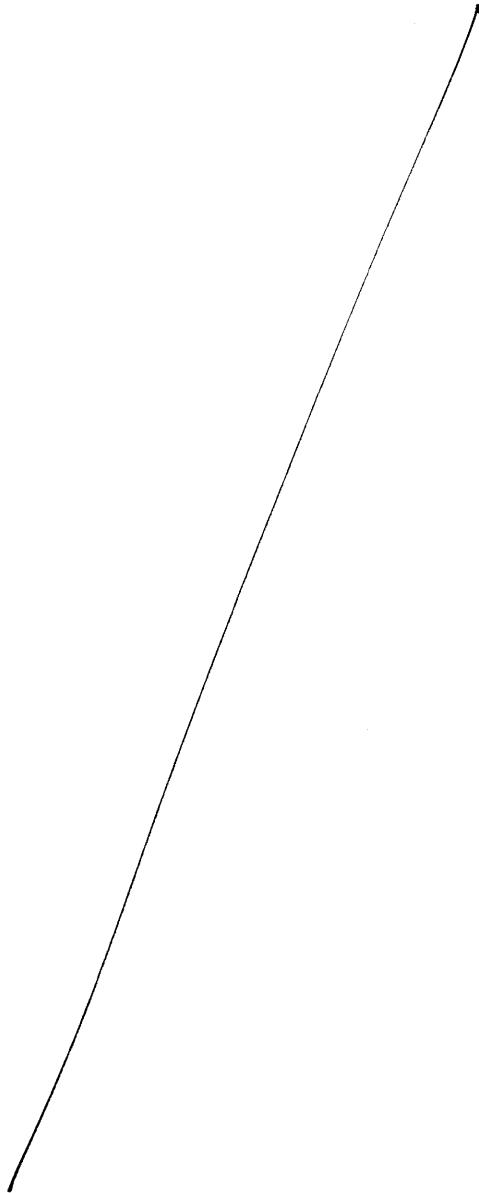
11.	6388	SIA/TN/MIN/25115/2018, dated: 13.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6388/ToR-1454/2023 dated: 09.05.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
12.	6406	SIA/TN/MIN/25037/2018, dated: 13.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6406/2020/Violation/ToR-1427/2023 dated: 21.04.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
Files pending at SEIAA for bank guarantee submission			
1	6251	SIA/TN/MIN/23073/2018 Dated.03.04.2018	1) ToR under violation category issued vide Lr No.SEIAA-TN/F.No.6251/ToR-419/2018, dated: 22.05.2018. 2) ToR Amendment issued vide Letter No. SEIAA-TN/F – 6251/ SEAC- CXVIII/TOR- 419 (A)/2018 Dt.30.07.2018. (with Public Hearing) 3) ToR Extension issued vide Lr. No.SEIAA-TN/F.No. 6251/TOR- 419/A/ dated: 30.10.2021 4) ToR Extension issued vide Letter No.SEIAA-TN/F.No.6251/ToR-419/Ext/2018/ dated: 21.12.2022
2	6538	SIA/TN/MIN/23318/2018 Dated.02.04.2018	1) ToR under violation category issued vide Lr No.SEIAA-TN/F.No.6538/TOR-501/2018, Dated : 21.06.2018. 2) ToR Amendment issued vide Letter No. SEIAA-TN/F – 6538/ SEAC- CXVIII/TOR- 501(A)/2018 Dt. 30.07.2018. (with Public Hearing)
3	6252	SIA/TN/MIN/27604/2017 Dated.29.04.2017	1) ToR under violation category issued vide Lr No.SEIAA-TN/F.No.6252/ToR-417/2018, dated: 22.05.2018. 2) ToR Amendment issued vide Letter No. SEIAA-TN/F – 6251/ SEAC- CXVIII/TOR- 417 (A)/2018 Dt: 30.07.2018. (with Public Hearing)


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			3) ToR Extension issued vide Lr. No.SEIAA-TN/F.No. 6252/TOR- 417/A/ dated: 30.10.2021 4) ToR Extension issued vide Letter No.SEIAA-TN/F.No.6252/ToR-417/Ext/2018/ dated: 21.12.2022
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