

MINUTES

655th MEETING

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

Date: 19.09.2023

**MINUTES OF THE 655th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 19.09.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 654 th meeting of the Authority held on 13.09.2023.		The minutes of the 654 th meeting of the Authority held on 13.09.2023 was confirmed.
b)	The Action taken on the decisions of the 654 th meeting of the Authority held on 13.09.2023.		The Member Secretary informed that 654 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	To consider Extension of Validity for the earlier issued Environmental Clearance for Proposed Expansion of Free Trade Warehouse Zone at S.F. No. 11/2A, 2B, etc, at Mannur & Valarpuram Village, Sriperumbudur Taluk, Kanchipuram District, Tamil Nadu by M/s J. Matadee Free Trade Zone Pvt. Ltd - For Environmental Clearance. (SIA/TN/MIN/300995/2023)	2664	The proposal was placed in the 404 th SEAC Meeting held on 25.08.2023. During the meeting the Committee noted that neither the project proponent nor the consultant attended the meeting. Hence the subject was not taken up for appraisal and committee decided that the project proponent shall furnish the reason for his absence. In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 402 nd SEAC Meeting held on 17.08.2023 to the project proponent.
2.	To consider Non-Compliance of earlier issued Environmental Clearance for the Expansion of an existing Bulk Drug Unit at plot no. 85 to 88, 105 to 109, 112 to 116, SIPCOT Export Promotion, Industrial Park (EPIP), Gummidipoondi, Tiruvallur	6493	The proposal was placed in the 404 th SEAC Meeting held on 25.08.2023. Based on the presentation and documents furnished by the proponent, SEAC decided to call for the additional details as stipulated below: 1. The proponent shall assess the damage caused due to the improper storage of formic acid and other hazardous chemicals within the premises


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	District, Tamil Nadu by M/s. Anjan Drug Private Limited		<p>as a part of noncompliance under the provisions of the CPCB Guidelines and the same shall be submitted.</p> <p>2. The proponent shall submit the certified compliance report obtained from Integrated Regional Office, MoEF&CC, Chennai.</p> <p>Upon the receipt of above said details, further deliberation shall be done. Hence, the proponent is advised to submit the additional documents/information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 404th SEAC Meeting held on 25.08.2023 to the project proponent.</p>
3.	Proposal seeking Environmental clearance for the proposed expansion of Residential cum Commercial project at Survey Nos. 360/B, 363/1, 364, 365/1A, 366/1A, 366/1B, 366/2A, 366/4, 380/1, 391/1, 392/1A, 393, 394/2A, 396, 397/1 & 397/2A1 of Thirumudivakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Navin Housing & Properties Private Limited applied under Category "B" of item 8(a)	9743	<p>The Authority noted that the subject was earlier appraised in the 358th SEAC meeting held on 24.02.2023.</p> <p>Subsequently, the proposal was placed in 604th SEIAA meeting held on 27.03.2023. Based on the presentation and document furnished by the proponent, SEAC decided to recommend the proposal for the grant of expansion of existing Environmental Clearance issued.</p> <p>The Authority after detailed deliberation, decided to call for additional details</p> <p>1. The proponent is requested to submit the Green Belt Plan layout and Avenue Plantation Plan layout.</p>

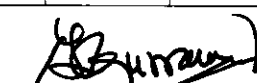

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	<p>Building and Construction projects, Tamil Nadu (SIA/TN/INFRA2/411584/2022)</p>		<p>2. The proponent is requested to submit the Certified Compliance Report obtained from Integrated Regional Office (IRO), MoEF&CC.</p> <p>3. The proponent is requested to submit the details regarding the percentage of Green Belt area and OSR area provided with respect to plot area. Now that the proponent is going for modification of the proposal, the proponent may examine the possibilities for increasing the Green Belt area to a minimum of 20%.</p> <p>Upon the receipt of aforesaid details, further deliberation shall be done.</p> <p>Subsequently, the proponent submitted reply to O/o SEIAA on 08.06.2023.</p> <p>Based on the reply furnished by the proponent, the proposal was again placed in 631st SEIAA meeting held on 19.06.2023. The Authority after detailed deliberation noted that,</p> <ol style="list-style-type: none"> 1. The Proponent has submitted the Certified Compliance Report obtained from IRO; MoEF&CC vide EP/12.1/2023-24/SEIAA/14/TN/668 Dated: 02.06.2023. The SEAC shall examine the Certified Compliance Report issued by IRO, MoEF&CC. 2. The proponent claims that the OSR area provided is 3,752 sqm is 10% of the total land area of 44,960 Sq. m. Further, 3,752 Sq. m out of 44,960 Sq. m is only 8.35%. Hence, the proponent/consultant may be requested to give explanation regarding the
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		<p>false data provided with respect to the land use breakup percentage.</p> <p>3. Further, the proponent claims that the Roads and Pavement Area provided is 10,408 sqm which is 21% of the total land area of 44,960 Sq. m. Further, 10,408 Sq. m out of 44,960 Sq. m is 23.15%. Hence, the proponent/consultant may be requested to give explanation regarding the false data provided with respect to the land use breakup percentage.</p> <p>In the view of the above facts, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and shall furnish its recommendation to SEIAA to take further course of action.</p> <p>The proposal was again placed in the 404th SEAC meeting held on 25.08.2023. Based on the presentation and documents furnished by the proponent, Committee, after carefully examining the replies furnished by the proponent, decided to reiterate its recommendation already made in its 358th SEAC Meeting held on 24.02.2023.</p> <p>After detailed deliberations, the Authority accepted the recommendations of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC in addition to the following conditions and conditions stated therein vide Annexure 'C':</p>
4.	File No: 4393	


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Existing Black granite quarry lease over an extent of 47.88.0Ha at S.F.No. 466 (Part) in Rendadi Village, Wallajah Taluk, Vellore District, Tamil Nadu by M/S. Tamil Nadu Minerals Limited – For Environmental Clearance Amendment.

The authority noted that the proposal was earlier appraised in the 404th SEAC meeting held on 25.08.2023.

Based on the presentation and documents furnished by the PP, SEAC noted that

1. The proponent made a request to consider the following activities to be accommodated in Ecological remediation plan, Natural resource augmentation plan and Community resource augmentation plan as follows

S. No	Compensation Plan	Work	Amount in Rs.
1.	Ecological Remediation Plan (ERP)	1. Expenditure incurred Rs.8.29 Lakh towards Green Belt. 2. Proposed to spend the balance amount of Rs.10.89 towards Green Belt.	19,18,000/-
2.	Natural Resource Augmentation Plan (NRAP)	Construction of 60,000 Itrs OHT in Rendadi Village at Rendadi Panchayat	23,94,000/-
3.	Community Resource Augmentation Plan(CRAP)	Construction of Community Hall building at Rendadi Panchayat.	33,52,000/-
Total			76,64,000/-

In the view of the above, committee decided to accept the proponent's request to consider the above-mentioned activities for the measures as prescribed by MoEF & CC vide notification S.O. 804 (E) dated: 17.03.2017 & S.O. 1030 (E) dated: 08.03.2018 in the case of violation cases. Hence, the Committee decided to recommend to SEIAA to accept proponent's request and allow the proponent to spend the amount as prescribed above within the stipulated period given in the earlier recommendation.

The Authority after detailed deliberation accepts the recommendation of SEAC and decided to accept the compensation plan as recommended by SEAC as follows subject to the following conditions


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S. No	Compensation Plan	Work	Amount in Rs.
1.	Ecological Remediation Plan (ERP)	3. Expenditure incurred Rs.8.29 Lakh towards Green Belt. 4. Proposed to spend the balance amount of Rs.10.89 towards Green Belt.	19,18,000/-
2.	Natural Resource Augmentation Plan (NRAP)	Construction of 60,000 ltrs OHT in Rendadi Village at Rendadi Panchayat	23,94,000/-
3.	Community Resource Augmentation Plan(CRAP)	Construction of Community Hall building at Rendadi Panchayat.	33,52,000/-
Total			76,64,000/-
<p>1. 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>2. 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 inspection.</p> <p>3. All other conditions as stipulated vide EC Lr No. SEIAA-TN/F.No.4393/2015/1(a)/EC-4555/2021 dated 24.02.2021 remains unaltered.</p> <p>4. The amount as prescribed by the proponent for the above-mentioned activities shall be spent within the stipulated time.</p>			
5.	Existing Black Granite Quarry lease over an extent of 3.63.5 Ha at S.F.Nos. 22/2D2, 22/2E1, 22/2F,	5514	The authority noted that the subject was appraised in the 40 th SEAC meeting held on 25.08.2023. Based on the presentation and details furnished by


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	<p>22/2G, 22/2H, 22/2I, 22/2J, 22/2N3, 22/2O2, 22/2P, 22/2Q, 22/2R, & 22/2S of Padipallam Village and 189/1A, 189/1B, 189/1C, 189/1D, 189/1E, 189/1F, 189/1G, 189/1H, 189/1I & 189/1J of Thachampattu Village, Gingee Taluk, Villupuram District, Tamil Nadu by M/s. Imperial Granites Private Limited -- For Environmental Clearance. (SIA/TN/MIN/57192/2016)</p>		<p>the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:</p> <ul style="list-style-type: none"> i) The proponent shall submit a revised Pre-Feasibility Report (PFR) afresh. ii) The proponent shall submit the revised CER details as committed during the appraisal. <p>The Authority noted the minutes of SEAC.</p>
<p>6.</p>	<p>Existing Limestone Quarry over an Extent of 4.70.0 Ha in S.F.No. 238 of Kalappaipatti Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru. M. Thanapal for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/297014/2023)</p>	<p>6564</p>	<p>The authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. Earlier, the proposal was placed for appraisal in the 629th SEIAA meeting and the authority after deliberations decided to refer back the proposal to SEAC for the reasons stated therein.</p> <p>The Committee noted that the proposal under discussion comes under violation category, and if the extension of validity of ToR is not given at this juncture, the proponent may not apply for obtaining a fresh ToR and hence may go unpunished for the violation caused. Hence, in order to protect the 'spirit of the EIA Notification 2006, the Committee decided to re-iterate its recommendations already made in 381st SEAC meeting. Further, the proponent is requested to submit the detailed EIA Report along with Public Hearing within the stipulated period.</p> <p>The authority, after deliberations decided to accept the decision of SEAC and grant extension of</p>


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		<p>validity to Terms of Reference issued under violation category vide letter dated.06.08.2018 up to 05.08.2024 subject to the additional specific ToRs as follows:</p> <ol style="list-style-type: none"> 1. The project proponent shall submit valid mining lease and scheme of mining plan obtained from the competent authority. 2. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and the copy of remittance of fine levied for the same from the concerned AD/DD, Geology & Mining Dept. 3. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 4. The quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 5. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining? 6. Strategies adopted for safety and healthy mining operations. 7. What are the transparency and accountability system in place during the operation and post-operation period of the project.
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			<p>8. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining.</p> <p>9. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production.</p> <p>10. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage.</p> <p>11. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>12. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including their impacts of wildlife and biodiversity.</p> <p>13. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>14. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
7.	Proposed For Manufacturing of MS Billets And TMT Rods at S.F. Nos. 478/1, 478/2, 478/3, 478/4A, 479/1, 479/2A, 480/1 & 480/2 of Varappatti Village, Suler Taluk, Coimbatore District, Tamil Nadu by M/s. Meenakshi Steel Re Rollers- For Environmental	7776	<p>The authority noted that this proposal was placed for appraisal in 404th meeting of SEAC held on 25.08.2023. The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to</p>


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	Clearance. (SIA/TN/IND/72815/2020)		communicate the SEAC minutes to the project proponent held on 25.08.2023.
8.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.39.0 Ha at S.F.Nos. 14/1 & 15/2 Azhagiypakkam Village, Marakkanam Taluk, Viluppuram District by Thiru. R.Rasu - For Terms of Reference. (SIA/TN/MIN/73833/2022)	9113	<p>The authority noted that this proposal was placed for appraisal in 404th meeting of SEAC held on 25.08.2023. SEAC noted that,</p> <p>Earlier the proposal was placed in 284th Meeting of SEAC held on 10.06.2022. Based on the presentation made by the proponent and considering safety point of view, SEAC recommended to remove the last bench in XY-CD section. Accordingly grant of Terms of Reference (TOR) with Public Hearing is issued for the production of 11,19,220m³ of rough stone, 9024m³ of Weathered Rock and 19332m³ of Gravel in 5 years with ultimate depth 33m, subject to the certain conditions.</p> <p>Subsequently, the proposal was placed in the 529th Authority meeting held on dated 05.07.2022. The Authority after detailed discussion decided to call for the following details from the project proponent.</p> <ol style="list-style-type: none"> i. Details of water bodies in the 2km radius of the proposed mining site. ii. NOC from DFO in regard to impact of mining on nearby R.F (Sevor R.F @ 2.5 km & straying wild animals. <p>Further, the proposal was placed in the 619th Authority meeting held on Dated:18.05.2023. The Authority noted that the PP has requested to withdraw his file stating that he has obtained revised 500m radius cluster letter in this regard vide dated 27.09.2022. After detailed discussion, the Authority decided that the file shall be sent to SEAC to obtain</p>


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		<p>opinion from SEAC whether the project comes under B1 or B2 and also SEAC may furnish its recommendation for the withdraw request from PP. Now the proposal was placed in the 404th SEAC Meeting held on 25.08.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA. As per the revised 500m radius letter obtained from Deputy director dated:27.09.2022, the proposed quarry comes under B2 category. Based on the revised 500meter radius, PP has submitted new application for Environmental clearance vide Online Proposal No. SIA/TN/MIN/413235/2023 dated:12.01.2023 & File No.9762.The file was placed in 620th SEIAA meeting and the Authority decided to refer the matter to SEAC for its remarks. Based on the presentation made by the proponent, SEAC decided to call for the following details from the project proponent.</p> <p>(i) The PP shall obtain a revised cluster letter comprehensively indicating the name of lessee operating within a distance of 500 m (with each other), area of extent (Ha), Survey Numbers, Status of the lease (existing/ expired/ abandoned/ proposed/ Discontinued/ Not executed), 'Period of its operation' after the lease was executed (dates with year).</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 25.08.2023.</p>
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9.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.93.0Ha at SF.No. 217/3(part) of Soolakal Village, Kinathukkadavu Taluk, Coimbatore District, Tamil Nadu by Thiru.S.Viswanathan - for Environmental Clearance. (SIA/TN/MIN/425622/2023)	9992	<p>The authority noted that the subject was appraised in the 404th SEAC meeting held on 25.8.2023. SEAC has re-iterated its recommendation already made in 388th meeting of SEAC held on 30.06.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 96,030m³ of Rough stone up to the depth of mining 35m BGL and the annual peak production should not exceed 21,425m³ of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
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			<p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
10.	Existing Black Granite Quarry lease over an extent of 1.09.0 Ha at S.F.No.1/12, 2/3A, 4/1B & 123/9B2, Semangalam & Kunnam Villages, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Karthik Raja Exports for Environmental Clearance under	6216	<p>The authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance under violation category to the Project subject to the conditions stated therein.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars</p>

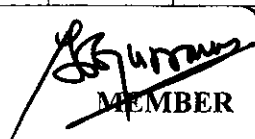

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	<p>violation. (SIA/TN/MIN/153020/2020)</p>	<p>as recommended by SEAC in the Minutes of 380th SEAC meeting held on 17.05.2023.</p> <ol style="list-style-type: none"> 1. The proponent shall submit the 'No Mining Dues Certificate' obtained from the competent authority. 2. The proponent shall furnish the details of Bank guarantee remittance towards the amount prescribed for Ecological remediation (Rs. 3,00,000), natural resource augmentation (Rs. 65,000) & community resource augmentation (Rs. 90,000), totaling Rs. 4,55,000/- to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. 3. The amount committed by the Project proponent for CER (Rs. 5,00,000) shall be remitted in the form of DD to the beneficiary for the activities as committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN. 4. The project proponent shall submit the proof for the action taken by the State Government/TNPCB against the project proponent under the provisions of Section 19 of the Environment (Protection) Act 1986 as per the EIA notification dated 14.03.2017 and amended 08.03.2018. 5. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
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11.	Proposed Black Granite (Dolerite) quarry lease over an extent of 3.06.0 Ha in S.F.Nos 22/1, 23/1, 2, 24/7, 8, 25/1 and 25/2 of Semmedu Village, Vikravandi Taluk, Viluppuram District, Tamil Nadu by M/s. Stone Trust Enterprises – for Environment Clearance. (SIA/TN/MIN/409964/2022)	9641	<p>The authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. The SEAC noted that, already a decision has been taken by the previous Committee in its 136th meeting held on 21.09.2019. The Hon'ble High Court has directed the Authority to consider the application freshly filed. SEAC carefully examined the case and decided that the PP was dishonest in not disclosing the earlier decision of the Authority to deny EC to his proposal based on the recommendation of SEAC. Now again, the PP has made afresh application for the same proposal, albeit disclosing the history. None of the parameters based on which the EC was denied has changed. Further, reopening already decided cases based on fresh applications would be inappropriate and would lead to PPs filing fresh applications repeatedly till EC is granted. SEAC, therefore, decided that there would be no change in the recommendation already made.</p> <p>The Authority, after discussions, accepted the decision of SEAC, rejected the proposal and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per 404th SEAC minutes. Further, Authority decided to close and record this proposal.</p>
12.	Existing project of M/s. L&T South City Projects Ltd (Eden Park Phase 2) SF.No. 90/3A1A, 3A1B(Part) of Pudupakkam Village & SF.No. 123, 127/1 etc of Siruseri Village, Chengalpattu Taluk,	509	<p>The authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023 and SEAC noted that this proposal request for partial EC surrender of the Environmental Clearance Dt:07.11.2013 was filed offline stating that there is no option for online submission in parivesh portal.</p>


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	Kancheepuram District - Partial EC surrender.		<p>In this regard, SEAC noted that MoEF&CC O.M Dt: 23.02.2021 has directed SEIAA strictly process files/applications through parivesh portal only. In view of the above, SEAC has decided not to consider this offline request of the project proponent.</p> <p>The authority after detailed discussion decided unanimously to accept the remarks and decision of SEAC.Hence, this proposal seeking partial EC surrender of the Environmental Clearance Dt:07.11.2013 vide offline cannot be considered and the file is hereby closed and recorded.</p>
13.	<p>Extension of validity for Environmental Clearance for the construction of residential Apartments at S.No 299/1A, 1B, 2A, 2B, 3A, 3B, 3C, 4B, 300/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 301/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12A, 12B in Pudupakkam Village & S.No. 611B/1A, 2, 3A, 3B, 4B & 612B in Padur village, Chengalpet Taluk, Kancheepuram District Tamil Nadu for the total built up area of 2,11,823.81 Sq.m by M/s. Puravankara Limited – Extension of validity for Environmental Clearance. (SIA/TN/MIS/295419/2022)</p>	1821	<p>The authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023 and SEAC noted that the project proponent was absent for the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.</p> <p>In view of the above, the authority noted the 404th SEAC meeting held on 25.08.2023.</p>
14.	Proposed of Rough Stone & Gravel Quarry lease over an extent of 1.16.5Ha in S.F.Nos.1186/2A,	8387	The authority noted that the subject was appraised in the 404 th SEAC meeting held on 25.08.2023.SEAC has furnished its


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<p>1186/3 & 1186/4 of Katchaikatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu By Thiru. S. Karuppasamy- for Environmental Clearance. (SIA/TN/MIN/414272/2023)</p>	<p>recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 33100 m³ of Rough Stone & 6912 m³ of Gravel and the depth upto 22m BGL and the annual peak production should not exceed 6750 m³ of Rough Stone & 3328 m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this 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 mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and
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			<p>environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The PP shall carryout transplantation/ plantation/ afforestation of tall native saplings in the ratio 1:10 in regard to existing the trees cut down (or) 500 Nos. of Trees per hectare of mining lease area all along the periphery within the proposed mining area and as well as avenue plantation as committed.</p>
15.	Proposed Rough Stone Quarry lease over an extent of 2.13.0Ha at S.F.No.75 of S.F.No.187/1A, 187/1B, 188 and 189 of Gopanapalli Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by	8632	The authority noted that the subject was appraised in the 404 th SEAC meeting held on 25.08.2023 and SEAC decided to recommend for the grant of the following amendment in the Environmental Clearance , issued subject to following specific conditions.


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	<p>M/s. A. S. Enterprises - Amendment for Environmental Clearance. (SIA/TN/MIN/300732/2023)</p>		<table border="1" data-bbox="863 125 1489 338"> <thead> <tr> <th>Description</th> <th>AS PER EC</th> <th>Amendment recommended</th> </tr> </thead> <tbody> <tr> <td>EMP cost in Lakhs</td> <td>Rs 1010.74 Lakhs</td> <td>Rs. 246.87 Lakhs</td> </tr> </tbody> </table> <p>The remaining conditions as stipulated vide EC Letter No. SEIAA/TN/F. 8632/1(a)/EC.No:5566/2022 dated: 23.02.2023 are unaltered.</p> <p>In this connection, the authority after detailed discussion has decided to grant amendment of Environmental Clearance in regard to EMP cost of “Rs. 1010.74 Lakhs” mentioned in page nos.4 & 17 of EC Lr. No. SEIAA/TN/F. 8632/1(a)/EC.No:5566/2022 dated: 23.02.2023 and the same shall be amended and substituted as “Rs. 246.87 Lakhs” subject to all the conditions stipulated vide EC Lr. No. SEIAA/TN/F.8632/1(a)/EC.No:5566/2022 dated: 23.02.2023 remains unaltered.</p>	Description	AS PER EC	Amendment recommended	EMP cost in Lakhs	Rs 1010.74 Lakhs	Rs. 246.87 Lakhs
Description	AS PER EC	Amendment recommended							
EMP cost in Lakhs	Rs 1010.74 Lakhs	Rs. 246.87 Lakhs							
16.	<p>Proposed Garnet sand Quarry lease over an extent of 3.07.0Ha at S.F.Nos. 137/7, 348/1A, 1B, 1C1, 1C2, 1C3, 2B1, 3A, 4, 5, 6B, 7A, 8, 9, 11, 12 & 13 of Naduvalur Village, Thuraiyur Taluk, Tiruchirappalli District, Tamil Nadu by Tvl. Riverways Mines and Minerals Ltd -for Terms of Reference. (SIA/TN/MIN/24153/2018)</p>	6260	<p>The Authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. The SEAC carefully examined the replies and decided to reiterate its recommendation already made in the 382nd meeting of SEAC held on 09.06.2023. All the conditions recommended will also remain unchanged.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and</p>						


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			conditions in Annexure 'B' of this minutes in addition to the following conditions.
17.	Proposed Rough stone quarry lease area over an extent of 1.40.0 Ha at S.F.Nos. 284/2A1(P) & 284/2A2(P) Iduvai Village, Tiruppur South Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Balasubramaniam - For Environmental Clearance (SIA/TN/MIN/401296/2022)	8668	<p>The Authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. During the meeting it was noted that the EIA-Coordinator has not submitted Explanation for the shortcomings observed by the SEAC. Hence, the SEIAA may obtain explanation from the EIA-Coordinator also for this serious lapse. On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to obtain explanation from the EIA-Coordinator and to communicate the SEAC minutes to the project proponent held on 25.08.2023.</p>
18.	Proposed Rough Stone quarry Lease over an extent of 4.48.5 Ha at S.F.No. 4/3, 4/4 & 6(P) of Kariyasandiram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Gunin Infrastructures LLP - For Environmental Clearance. (SIA/TN/MIN/414430/2023)	9741	<p>The Authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of</p>


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		<p>4,56,505 m³ of rough stone up to the depth of 46m BGL and the annual peak production should not exceed 173345 m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</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 mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed
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			<p>compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
19.	<p>Proposed construction of Multi Storied Commercial Building at S.F.No. 335/3A, 335/3B, Block No.37 of Krishnarayapuram Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Globus Arima Builders LLP - For Environmental Clearance. (SIA/TN/INFRA2/412971/2023)</p>	9601	<p>The Authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023 and the SEAC carefully examined the replies and decided to reiterate its recommendation already made in the 361st SEAC meeting held on 10.03.2023. All the conditions recommended will also remain unchanged.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'C' of this minutes in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the Competent authority before obtaining CTO from TNPCCB.
20.	<p>Existing Black Granite Quarry over an extent of 6.59.91 Ha. at S.F.Nos. 83 (Part) of Jamanahalli Village, Pappireddipatti Taluk, Dharmapuri</p>	1193	<p>The Authority noted that the subject was earlier placed in the 380th meeting of SEAC held on 17.05.2023 and the SEAC observed that the proposal of Mining of Black Granite in an extent of</p>


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<p>District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Environmental Clearance under violation category. (SIA/TN/MIN/72624/2018)</p>		<p>6.59.91 Ha & SF No. 83(part) for Environmental Clearance under violation comes under the “Low level Ecological damage category” as per the SEAC Violation norms. The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the conditions stated therein inter alia the following:</p> <ol style="list-style-type: none"> 1. The amount prescribed for Ecological remediation (Rs. 13,95,000), natural resource augmentation (Rs. 2,90,000) & community resource augmentation (Rs. 1,00,000), totaling Rs. 17,85,000. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 17,85,000 in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report. 2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of three years. If not, the bank guarantee will be forfeited to TNPCB without further notice. 3. The amount committed by the Project proponent for CER (Rs. 2,63,964) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN. However, the PP shall
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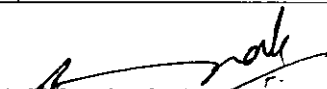
		<p>supervise the work and submit the status of the work complied pertaining to the CER within a period of one year to the DEE/TNPCB and the SEIAA.</p> <p>4. The project proponent shall submit the proof for the action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>5. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks and submit the same to SEAC before grant of EC, if not produced earlier.</p> <p>Subsequently the subject was placed in the 627th meeting of Authority held on 06.06.2023. The Authority decided to refer back the subject to SEAC for furnishing the recommended quantity of RoM, Black Granite and the depth of mining permitted along with mine plan period so as to grant Environmental Clearance under violation category for the project.</p> <p>Hence the subject was taken up for discussion in this 404th meeting of SEAC held on 25.08.2023. SEAC decided to recommend the proposal for the grant of Environmental Clearance under violation category for the annual peak RoM production capacity not exceeding 17388 m³ of RoM, 1739 m³ of Black Granite by maintaining the ultimate depth of mining of 33m AGL subject to the conditions as</p>
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		<p>recommended in the 380th meeting of SEAC held on 17.05.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to call for the following additional particulars as recommended by the SEAC.</p> <ol style="list-style-type: none">1. The amount prescribed for Ecological remediation (Rs. 13,95,000), natural resource augmentation (Rs. 2,90,000) & community resource augmentation (Rs. 1,00,000), totaling Rs. 17,85,000. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 17,85,000 in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.3. The amount committed by the Project proponent for CER (Rs. 2,63,964) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be
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			<p>submitted to SEIAA-TN. However, the PP shall supervise the work and submit the status of the work complied pertaining to the CER within a period of one year to the DEE/TNPCB and the SEIAA.</p> <p>4. The project proponent shall submit the proof for the action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>5. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks and submit the same to SEAC before grant of EC, if not produced earlier.</p> <p>On receipt the details sought above, the subject shall be placed before the Authority for further deliberations and to decide on future course of action.</p>
21.	Proposed Black Granite quarrying in at S.F No. 4/4B & 2/3, 52/4, 52/5, 52/6, 52/7, 52/8, 52/9, 52/10, 59/1, 59/3, 59/4A, 59/4B, 59/4C, 59/6B, 59/9, 59/10A, 59/10B, 59/11, 59/12, 59/13A, 59/13B, 59/14, 59/15, 59/16, 59/17, 59/18, 59/19, 59/22, 59/23, 59/24 (Patta land) of Vengamoor & Hanumanthapuram Village, Villupuram Taluk, Villupuram District by Tvl. Gem	5512	<p>The Authority noted that the subject was placed in the 404th meeting of SEAC held on 25.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p>

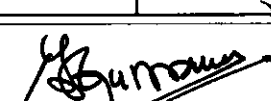

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	Granites - For Environmental Clearance. (SIA/TN/MIN/57198/2023)								
22.	<p>File No: 6261</p> <p>Existing Garnet sand Mine over an extent of 2.10.0Ha at S.F.No. 95/2A, 2B, 5A, 5B, 6A, 6B, 4B, 4C, 97/2B & 97/2E for over an extent of 2.10.0Ha in Kottathur Village, Musiri Taluk and Tiruchirappalli District, Tamil Nadu by Tvl.S.S.Minerals- For Terms of Reference. (SIA/TN/MIN/24168/2017)</p> <p>The Authority noted that the subject was earlier placed in the 341st meeting of SEAC held on 29.12.2022 and 382nd meeting of SEAC held on 09.06.2023.</p> <p>During the meeting the PP informed the committee that the Project site is a cluster and the project activity falls under B1 category they would like to retain ToR (vide application No. 24168) under violation category and withdraw the application filed for EC (vide application No. 62109). The Committee decided to admit this application seeking ToR as the project activity falls under B1 category and allowed the PP to withdraw the other application filed seeking EC for the same project. Based on the presentation made by the proponent, SEAC recommended to grant of Terms of Reference (TOR) with Public Hearing subject to the conditions stated therein.</p> <p>Subsequently the subject was in 628th meeting of SEIAA held on 15.06.2023 and Authority has decided to refer back to SEAC for furnishing remarks:</p> <ul style="list-style-type: none"> • SEIAA vide letter no. SEIAA-TN/F.No.6261/2017/NGT dated 26.04.2017 has communicated to the Project Proponent stating that the project activity falls under Violation category among other things. • The Project Proponent himself has applied seeking ToR under violation category vide Online Application No. SIA/TN/MIN/24168/2018 dated 11.04.2018 during violation window period in accordance with the MoEF&CC Notification dated 14.03.2017 & 08.03.2018 notified for handling violation proposals. • The AD/G&M/Trichirappalli vide his letter no. Rc.No. 213/2002/Mines dated 06.04.2018 has reported that the transport permit to the quarry was stopped on 17.09.2013 for want of Environmental Clearance. <p>Hence the subject was taken up for discussion in this 404th meeting of SEAC held on 09.06.2023. The PP furnished the following reply:</p> <table border="1" data-bbox="287 1769 1412 1836"> <thead> <tr> <th data-bbox="287 1769 391 1836">Sl.No</th> <th data-bbox="391 1769 837 1836">SEIAA Query</th> <th data-bbox="837 1769 1412 1836">PP's Reply</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Sl.No	SEIAA Query	PP's Reply			
Sl.No	SEIAA Query	PP's Reply							


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1	SEIAA vide letter No. SEIAA-TN/F.No. 6261/2017/NGT Dated 26.04.2017 has communicated to the project proponent stating that the project activity falls under violation category among other things.	As per the Parivesh Portal we had applied for B2 Category EC File under Application No. SIA/TN/MIN/62109/2017 Dated: 28.01.2017 and is not an Violation Application.
2	The Project proponent himself has applied seeking ToR under violation category vide Online Application No. SIA/TN/MIN/24168/2018 Dated 11.04.2018 during violation window period in accordance with the MoEF & CC notification Dated 14.03.2017 & 08.03.2018 notified for handling violation proposals	We wish to bring to your kind notice and record that based on the 804 E Notification all the proposal were asked to apply for ToR under violation portal. Even though our operations were stopped in 2013 and due to lack of clarity on the notification we had applied in Parivesh with answer to the question if the proposal attracts violation as Not Applicable. After subsequent notifications our proposal attracts only B1 Category cluster clause for ToR with Public Hearing and request for same.
3	The AD/G&M/Tiruchirappalli vide his letter No. RRc. No 213/2022/Mines Dated 06.04.2018 has reported that the transport permit to the quarry was stopped on 17.09.2013 for want of Environmental Clearance	This AD Letter clearly states that our quarrying was stopped for issue of permit dated: 17.09.2013 and our proposal attracts only B1 Category cluster clause for ToR with Public Hearing as per the 500 m radius letter and request for same.

The SEAC carefully reviewed the reply furnished by the PP and decided to reiterate the recommendations of SEAC furnished vide the minutes of already made in the 382nd meeting of SEAC held on 09.08.2023.

After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Terms of Reference (TOR) with Public Hearing under cluster for undertaking the combined


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	<p>Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minute.</p> <ol style="list-style-type: none"> 1. The project proponent shall prepare mine closure plan considering quantity of Topsoil & Weathered rock. If any. 2. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. 3. The project proponent shall furnish the details of EC application filed for EC vide online application No. 62109. 		
23.	Proposed Rough Stone and Gravel Quarry Project over an extent of 1.03.5 Ha at S.F.No. 648 in Edirkottai Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.Jacob Rajamani - for Environmental Clearance. (SIA/TN/MIN/ 82045 /2020)	7724	The Authority noted that the subject was placed in the 404 th meeting of SEAC held on 25.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
24.	Proposed Rough Stone quarry over an extent of 3.95.0 Ha in SF.No. 281/2 at Chettikurichi Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. S. Maheswaran - for Environmental Clearance. (SIA/TN/MIN/421387/2023)	9899	The Authority noted that the subject was placed in the 404 th meeting of SEAC held on 25.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
25.	Existing Residential Apartment Building complex in S.F.No. 375/5B (Pt), 376/1B (Pt), 376/2B (Pt), 377/3 (Pt) of Keeranatham Village, Annur Taluk, Coimbatore District, Tamil Nadu by M/s.	372	The proposal was placed in the 404 th SEAC Meeting held on 25.08.2023. After detailed deliberation, SEAC decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to the normal conditions:


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	<p>KGISL Technologies and Infrastructures Private Limited - For Environmental Clearance under violation. (SIA/TN/MIN/423025/2023)</p>		<p>1. The decision to issue EC is subject outcome in the cases pending before the Hon'ble Supreme Court of India and Hon'ble NGT (SZ) in this regard.</p> <p>In the view of the above, Authority after detailed deliberation, decided that since a court case is pending before Hon'ble Supreme Court (Civil Appeal No. 3891/2020), decided to keep in abeyance until the disposal of the case pending before Hon'ble Supreme court.</p> <p>Upon the receipt of final judgement, further deliberation shall be done.</p>
26.	<p>Proposed Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Asian Paints Limited -For Environmental Clearance under Violation- (SIA/TN/IND2/21322/2016)</p>	5700	<p>The Authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023. The SEAC has observed that the Expansion of Existing Paints and Water-based polymers manufacturing industry at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu under violation Category comes under the "High level Ecological damage category" as per the report submitted by the sub-committee. Hence, The Committee decided to recommend the proposal for grant of Environmental Clearance subject to the conditions stated therein, in addition to the normal conditions. After detailed discussion, the Authority decided to obtain the following:</p> <p>1. The amount prescribed for Ecological remediation (Rs. 300 lakhs), natural resource augmentation (Rs. 300 lakhs) & community resource augmentation (Rs. 282 lakhs), totaling Rs. 882 lakhs shall be remitted in the form of</p>


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			<p>bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.</p> <p>2. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
27.	<p>Proposed Rough Stone & Gravel Quarry lease over an extent of 3.46.60 Ha at S.F.Nos. 161/1A(pt) of Therku Ilandaikkulam Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. K.M.S. Peer Mohideen – for Environmental Clearance. (SIA/TN/MIN/414588/2023)</p>	9746	<p>The authority noted that earlier, the subject was placed in 648th Authority meeting held on 22.08.2023. The Authority noted that vide minutes dated 03.08.2023 of 397th meeting of SEAC, the Committee has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p> <p>The Authority, after detailed discussions decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <ol style="list-style-type: none"> 1. On review of the KML file, it was noticed that a wind mill is located at an aerial distance of 90m and a farm house is located


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		<p>at an aerial distance of 286m from the proposed quarry site. In this regard, the proponent is requested to furnish NOC obtained from the Director, DGMS.</p> <p>The proponent vide letter dated 12.09.2023 gave reply to the above details sought by SEIAA. In view of this, it was again placed in this 655th SEIAA meeting held on 19.09.2023.</p> <p>The Authority after examining the reply/details furnished by the proponent and also 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 5,15,132 m³ of rough stone & 48,508 m³ of gravel up to the depth of 35m below ground level and the annual peak production should not exceed 1,19,262 m³. 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 mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
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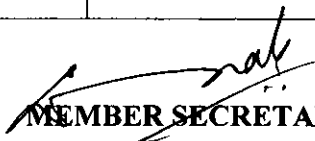
			<p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
28.	Proposed "Upgradation of Existing R&D facility into intermediates for API Manufacturing Unit" at S.F.No.27, Vandaloor Kelambakkam Road, Keelakottaiyur Village, Melakottaiyur Post, Kancheepuram	7896	The authority noted that earlier, the subject was placed in 613 th Authority meeting held on 21.04.2023. The Authority noted that vide minutes dated 30.03.2023 of 366 th meeting of SEAC, the Committee has furnished its recommendations for the grant of Environmental

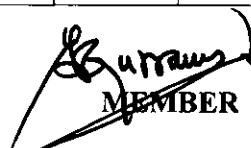

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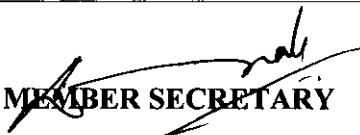
<p>(Now Chengalpattu) District, Tamil Nadu by M/s. Solara Active Pharma Sciences Limited - For Environmental clearance</p>	<p>Clearance to the project subject to the conditions stated therein.</p> <p>After detailed discussion, SEIAA decided to obtain the following additional details from the PP.</p> <ol style="list-style-type: none"> 1. What are the key ecological risk anticipated in the project site and vicinity? 2. Impact on ground water, lakes nearby and other water bodies located in Mambakkam lake is 0.76 km, Melakottaiyur lake is 0.40 km Kilkottaiyur lake is 0.36 km by the pharmaceutical pollutants. 3. Direct and Indirect anticipated impact due to proliferation of antibiotics in the environment. 4. Toxicity on soil microorganisms 5. Environmental burden on urban and rural environment. 6. Details of disposal of sewage & septage generated from the project site, since the Mambakkam R.F is located at 0.38 km from the project site. 7. Environmental impact on the villages is located less than 1km viz Melkottaiyur, Kilkottaiyur, Mambakkam 1.57km and Kandigai 1.10km 8. Impact on climate, temperature due to these products. <p>The proponent vide letter dated 05.09.2023 gave reply to the above details sought by SEIAA. In view of this, it was again placed in this 655th SEIAA meeting held on 19.09.2023. After detailed discussions, the Authority accepted the recommendations of SEAC and decided to grant</p>
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		<p>Environmental Clearance subject to the conditions as recommended by SEAC in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The Proponent shall store the raw materials within the threshold limit adhering to the guidelines of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended. 2. The project proponent shall provide & maintain adequate capacity STP, ETP with ZLD, & APC measures with treatment & disposal arrangements & adequate storage area for raw materials/solvent/Hazardous/solid wastes, as committed in EMP adhering to the mode of disposal & discharge standards prescribed by the CPCB/TNPCB. 3. The project proponent shall provide STP & ETP in the elevated closed area above the ground level. 4. The project proponent shall operate & maintain the STP & ETP with ZLD continuously & efficiently so as to comply with the discharge standards prescribed by the CPCB/TNPCB. 5. No untreated sewage, treated/untreated effluent shall be discharged inside & outside the project premises at any time. 6. The project proponent shall periodically monitor treated/untreated sewage, treated/untreated effluent, Noise levels & AAQ/Stack emission/VOC through the TNPCB laboratory and shall upgrade adequate mitigation measures, safety measures & monitoring mechanism as and when recommended by the competent authority.
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		<p>7. The project proponent shall provide online/offline sensors/ analyzers for air quality parameters (AAQ/Stack emission), VOC, water quality parameters (sewage/Effluent) linked up to CAC/WQW websites of CPCB/TNPCB for continuous & effective monitoring as recommended by the CPCB/TNPCB before obtaining CTO and shall periodically calibrate the said sensors/ analyzers and submit report to TNPCB.</p> <p>8. The project proponent shall periodically dispose the Hazardous waste generated as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016 as amended.</p> <p>9. The project proponent shall periodically dispose the solid waste generated as per provisions of Solid waste Management Rules, 2016 as amended.</p> <p>10. The project proponent shall ensure that the project activities do not cause harm to the natural vegetation/water bodies and other natural resources.</p> <p>11. The project proponent shall ensure that the project activities do not cause any damage to the soil and natural seed banks.</p> <p>12. The project proponent shall provide medical facilities, possibly with a medical officer in the project site for continuously monitoring the health of construction workers during COVID and Post - COVID period.</p> <p>13. The project proponent shall ensure that there is no Green House Gases (GHG) emissions</p>
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			<p>resulting in temperature rise and leading to climate changes.</p> <p>14. As the plant operation involves sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.</p>
29.	Proposed Construction of Residential Group Development at Old S.No. 77/6A1B1, 78/14A & 78/14B, T.S.No.33/2 of Block No: 21, Ward: G, Kamarajar Salai, Pammal Village, Pallavaram Taluk, Chengalpattu District, Tamil Nadu by M/s. Radiance Realty Developers India Limited - For Environmental Clearance.	10069	<p>The authority noted that this proposal was placed for appraisal in 392nd meeting of SEAC held on 14.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority raised ADS. The PP has submitted its reply to SEIAA. The reply was placed in 651st Authority meeting held on 30.08.2023. The Authority again raised ADS. Now the PP has furnished ADS reply to SEIAA. The reply was placed in 655th Authority meeting held on 19.09.2023.</p> <p>After detailed discussions, the Authority accepted the recommendation of SEAC and decided to grant of Environmental Clearance subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions:</p> <p>1. As accepted by the Project Proponent the CER cost is Rs.76 Lakhs and the amount shall be spent for the committed activities for (i) Government Higher Secondary School, Anakaputhur (ii) Panchayat Union Public</p>

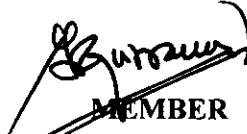

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		<p>School, Anakaputhur (iii) Government(ADW) Higher Secondary School, Chrompet (iv) Municipal Higher Secondary School, Jameen Pallavaram (v) Pallavaram Corporation Primary School(vi) Skill Upgradation training for cottage industries in Pammal, Anakaputhur within 3 years from date issue of EC.</p> <ol style="list-style-type: none"> 2. The project proponent shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system. 3. The PP shall provide children's park area within the project site. 4. The PP shall ensure health security for all staffs and PP shall ensure doctor is available at the site. 5. The proponent shall deploy cost-effective technology to reduce GHG emissions. 6. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building. 7. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
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8. The proponent shall adopt strategies to decarbonize the building.
9. The proponent shall adopt strategies to maintain the health of the inhabitants.
10. The proponent shall adopt strategies to reduce electricity demand and consumption.
11. The proponent shall provide provisions for automated energy efficiency.
12. The proponent shall provide provisions for controlled ventilation and lighting systems.
13. The proponent shall adopt strategies to reduce temperature including the Building Façade.
14. 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.
15. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.
16. The proponent shall adopt methodology to control thermal environment and other shocks in the building.
17. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO₂, CH₄, nitrous oxide, etc., resulting from human activities.

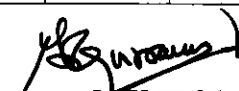

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		<p>18. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.</p> <p>19. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,.</p> <p>20. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>21. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>22. 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>23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p> <p>24. 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>25. The proponent shall adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.</p> <p>26. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.</p>
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			<p>27. 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>28. The proponent shall adopt strategies to prevent bird hits and impact on movement of migratory birds.</p> <p>29. 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>30. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.</p>
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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


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

c) Safe mining Practices

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


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

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

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


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24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.
28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.

g) Noise Environment – Protection and mitigation measures

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


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activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.

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

i) Climate Change

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


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47. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.
48. The project activities should not alter the geodiversity and geological heritage of the area.
49. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.
50. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.
51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

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

l) Workers and their protection

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


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State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

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

n) Storage of wastes

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

o) CER/EMP

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.


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66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant 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.


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74. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
75. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.
76. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

Annexure 'B'

Cluster Management Committee

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


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7. The committee shall furnish action plan regarding the restoration strategy with respect to the individual quarry falling under the cluster in a holistic manner.
8. The committee shall furnish the Emergency Management plan within the cluster.
9. The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
10. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.
11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

Impact study of mining

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


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18. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.

Forests

19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

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


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

Climate Change

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

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

Mine Closure Plan

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

EMP

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

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

Risk Assessment

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

Disaster Management Plan

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.


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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.

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.


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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.

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.


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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

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


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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.



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