

MINUTES

607th MEETING

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

Date: 03.04.2023

**MINUTES OF THE 607th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 03.04.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 606 th meeting of the Authority held on 29.03.2023 & 30.03.2023.		The minutes of the 606 th meeting of the Authority held on 29.03.2023 & 30.03.2023 was confirmed.
b)	The Action taken on the decisions of the 606 th meeting of the Authority held on 29.03.2023 & 30.03.2023.		The Member Secretary informed that 606 th Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Proposed Expansion of Residential complex Ashiana Shubham developed at S.F.Nos: 381/1A, 381/1B1, 381/1B2, 381/3A, 381/3B, 381/3C, 383/1A, 383/1B, 383/1C, 383/3, 384 Pt., 386 Pt., 389/4A, 389/4D1 Pt., 383/2B1, 383/2B2, 383/2B3, 390/2B4, 390/3A, 390/3B, 390/4, 390/5, 390/6A, 390/6B, 390/7A, 390/7B, 390/8, 394/1, 394/10A, 394/10B, 394/11A, 394/11B, 394/12, 394/14A, 394/14B1, 394/41B2, 394/14B3A, 394/14B3B, 394/2A, 394/2B, 394/2C, 394/2D, 394/2E, 394/2F, 394/3, 394/4, 394/5A&B2, 394/5B, 394/6, 394/8A, 394/8B1, 394/9, 389/4A, 384, 385, 386, 387, 390/3A, 390/3B of Sengundram Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s. Escapade Real Estate	8852	<p>The authority noted that the subject was appraised in 361st SEAC meeting held on 08.03.2023. SEAC had already examined the proposal on merits and made it's recommendation in its 254th SEAC meeting held on 17.03.2022. Now, the Hon'ble NGT has clarified that the proposal that <i>"We clarify that the application may be considered on merits, as there is no specific order of stay."</i> Hence, SEIAA may take appropriate action on the SEAC recommendation already made.</p> <p>After detailed deliberations, the Authority accepts 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> <ol style="list-style-type: none"> 1. The proponent shall adhere to the conditions stipulated by the District Forest Officer vide Proc.No.5438/2013/D Dated: 25.07.2014 in letter and spirit. 2. No liquid waste and solid waste must be let into Forest land and adjacent lands.


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	Private Limited - For Environmental Clearance.		<p>3. Forest boundary should not be tampered/encroached/breached under any circumstances.</p> <p>4. The proponent shall obtain a fresh NOC from the Forest Department (not more than one year) before obtaining CTO from TNPCB.</p> <p>5. All clearances and NOC as required from various departments like TNPCB, local bodies and other departments shall be obtained and submitted before obtaining CTO from TNPCB.</p> <p>6. Activities should not result in any changes to the vegetation, biodiversity and forest structures.</p>
2.	Proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 256 and 257 (Part) of Sathamangalam (Ananthimedu) Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by M/s. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli - For Environmental Clearance.	9291	<p>The authority noted that this proposal was placed for appraisal in 361st SEAC meeting held on 10.03.2023 decided to reiterate its recommendation already made in 339th SEAC meeting held on 22.12.2022. All other conditions stipulated in the earlier minutes will remain unaltered.</p> <p>The Authority further noted that PILs have been filed before the Hon'ble High Court of Madras (Madura Bench) vide WP(MD) No.133 of 2023 and WMP(MD) No.130 of 2023 with the prayer to restrict sand mining using heavy machineries in the River basin of Kaveri/Kollidam considering the stability of the Kallanai Dam and the case is pending before the Hon'ble Court.</p> <p>In addition to that Authority noted that</p> <ol style="list-style-type: none"> 1. Appeal Number 80 of 2022 has been filed in the Hon'ble NGT, Southern Zone has passed various orders as below


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			<p>Order dated: 27.03.2023</p> <p><i>"...It is very well clear that when the sand mining is committed to be done with the machinery, automatically it will fall under 'B1 - Category' which would require the public hearing, replenishment study and also the EIA Study."</i></p> <p>Further, the court has directed the proponent to maintain status quo as per the earlier order issued to carry out only manual excavation.</p> <p>In the view of the above, Authority decided to refer back the proposal to SEAC to furnish remarks on permitting mechanized sand quarrying near Kallanai Dam by considering the WP(MD) No.133 of 2023 and WMP(MD) No.130 of 2023 pending before the Hon'ble Court and to examine the aforementioned NGT order and shall furnish its recommendation to SEIAA regarding the category under which the proposal may be granted EC. Also furnish the recommendation reg. Usage of no-of Podains</p>
3.	Proposed sand quarry lease over an extent of 4.90.0 Ha at S.F.No. 242 (Part) of Srinivasanallur Village, Thottiyam Taluk, Tiruchirapalli District, Tamil Nadu by the Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli - For Environmental Clearance	9292	<p>The authority noted that this proposal was placed for appraisal in 361st SEAC meeting held on 10.03.2023 decided to reiterate its recommendation already made in 339th SEAC meeting held on 22.12.2022. All other conditions stipulated in the earlier minutes will remain unaltered.</p> <p>The Authority further noted that PILs have been filed before the Hon'ble High Court of Madras (Madura Bench) vide WP(MD) No.133 of 2023 and WMP(MD) No.130 of 2023 with the prayer to restrict sand mining using heavy machineries in the</p>

SEAC shall w.r.to 90th SEAC minutes held 06.06.2017


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			<p>River basin of Kaveri/Kollidam considering the stability of the Kallanai Dam and the case is pending before the Hon'ble Court.</p> <p>In addition to that Authority noted that</p> <ol style="list-style-type: none"> 1. Appeal Number 80 of 2022 has been filed in the Hon'ble NGT, Southern Zone has passed various orders as below Order dated: 27.03.2023 <i>"...It is very well clear that when the sand mining is committed to be done with the machinery, automatically it will fall under 'B1 – Category' which would require the public hearing, replenishment study and also the EIA Study."</i> <p>Further, the court has directed the proponent to maintain status quo as per the earlier order issued to carry out only manual excavation.</p> <p>In the view of the above, Authority decided to refer back the proposal to SEAC to furnish remarks on permitting mechanized sand quarrying near Kallanai Dam by considering the WP(MD) No.133 of 2023 and WMP(MD) No.130 of 2023 pending before the Hon'ble Court and to examine the aforementioned NGT order and shall furnish its recommendation to SEIAA regarding the category under which the proposal may be granted EC. ss</p>
4.	Proposed Construction of High Rise Residential Building at S.F.No. 108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1C1A, 111/1C1B, 112/1, 112/2, 112/4, 112/5, 113/1,	9420	The Authority noted that this proposal was placed for appraisal in the 361 st meeting of SEAC held on 10.03.2023. SEAC has decided to reiterate its recommendation already made in 345 th Meeting of SEAC held on 10.01.2023.


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113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamilnadu by M/s. Casagrand Magnum private limited - For Environmental Clearance.

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:

1. The proponent shall deploy cost-effective technology to reduce GHG emissions.
2. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building.
3. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
4. The proponent shall adopt strategies to decarbonize the building.
5. The proponent shall adopt strategies to maintain the health of the inhabitants.
6. The proponent shall adopt strategies to reduce electricity demand and consumption.
7. The proponent shall provide provisions for automated energy efficiency.
8. The proponent shall provide provisions for controlled ventilation and lighting systems.
9. The proponent shall adopt strategies to reduce temperature including the Building Façade.
10. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-


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		<p>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.</p> <p>11. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.</p> <p>12. The proponent shall adopt methodology to control thermal environment and other shocks in the building.</p> <p>13. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO₂, CH₄, nitrous oxide, etc., resulting from human activities.</p> <p>14. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.</p> <p>15. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,</p> <p>16. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>17. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>18. The proponent shall develop building-friendly pest control strategies by using</p>
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			<p>non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p> <p>19. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p> <p>20. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.</p> <p>21. The proponent shall develop detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.</p> <p>22. The proponent shall adopt strategies to ensure that the buildings in blocks do not trap heat and become local urban heat islands.</p> <p>23. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.</p> <p>24. The proponent shall adopt strategies to prevent bird hits.</p> <p>25. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.</p>
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			26. The proponent shall develop detailed evacuation plan for disabled people and a safety evacuation plan in emergencies.
5.	Proposed construction of High Rise Commercial Office Building at SF.Nos. 32/3, 33/1, 2a, 3a, Nandambakkam Village, Alandur Taluk, Chennai District, Tamilnadu by M/s. Casagrand Everta Private Limited - For Environmental Clearance.	9663	<p>The authority noted that the subject was appraised in 345th SEAC meeting held on 10.01.2023 & 361st SEAC meeting held on 10.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance for a period of 7 Years subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions</p> <ol style="list-style-type: none"> 1. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.1.16 Crores and the amount shall be spent for the activities as committed before SEAC for the Governments Schools before obtaining CTO from TNPCB. 2. The PP shall adhere to the recommendations by PWD/WRO Dept. vide Letter No.DB.T5(3)/F-NOC 0149 Nungambakkam Village 0739/2023/dated 20.02.2023. 3. The Project proponent shall obtain commitment letter for fresh water supply and disposal of excess treated sewage from the competent authority for the proposed

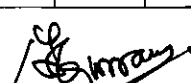

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		<p>activity before obtaining CTO from TNPCB.</p> <ol style="list-style-type: none"> 4. The proponent shall deploy cost-effective technology to reduce GHG emissions. 5. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building. 6. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials). 7. The proponent shall adopt strategies to decarbonize the building. 8. The proponent shall adopt strategies to maintain the health of the inhabitants. 9. The proponent shall adopt strategies to reduce electricity demand and consumption. 10. The proponent shall provide provisions for automated energy efficiency. 11. The proponent shall provide provisions for controlled ventilation and lighting systems. 12. The proponent shall adopt strategies to reduce temperature including the Building Façade. 13. 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,
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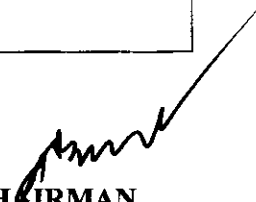

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		<p>Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.</p> <p>14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.</p> <p>15. The proponent shall adopt methodology to control thermal environment and other shocks in the building.</p> <p>16. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO₂, CH₄, nitrous oxide, etc., resulting from human activities.</p> <p>17. 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>18. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,.</p> <p>19. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>20. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>21. 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>
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		<p>22. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p> <p>23. 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>24. The proponent shall adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.</p> <p>25. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.</p> <p>26. 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>27. The proponent shall adopt strategies to prevent bird hits.</p> <p>28. 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>29. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.</p>
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6.	Proposed Expansion for Construction of Data Centre Building in Plot No-H-11/1A (Survey Nos. 85 (part), 86, 87 (part) of SIPCOT Information Technology Park, Siruseri of Egattur Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. Sify Infinit Spaces Limited- For Environmental Clearance.	9582	<p>Earlier the proposal was placed in 345th SEAC Meeting held on 10.01.2023. Based on the presentation and documents furnished by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Subsequently, the proposal was placed in 590th SEIAA meeting held on 09.02.2023.</p> <p>Authority after detailed deliberation, noted that since the data center is in cloud computing, the following impacts may be studied in detail</p> <ol style="list-style-type: none"> 1. The proponent must submit details regarding the fire suppression strategies that will be deployed during Fire break out. 2. The impact on Global Warming, Climate Change, Energy consumption, Cooling mechanisms to reduce temperature. 3. since the Data Centre is known to maintain temperature within the facility. The proponent is requested to provide information regarding the technology that will be employed to maintain the temperature within the Data Centre. 4. The proponent shall submit the details regarding the methodology that will be adopted to maintain humidity within the facility. 5. Impacts on the surrounding environment and the inhabitants within the facility shall be studied and reported. 6. The proponent shall submit impacts regarding the Toxic Waste generation and its mitigation measures.
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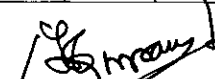

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		<ol style="list-style-type: none"> 7. The proponent shall submit impacts regarding the anticipated E-Waste generation and its mitigation measures. 8. The proponent shall discuss in detail regarding the smart and innovative tools/technology that will be employed to tackle environmental conservation. 9. Since the proposed activity has higher power consumption, the proponent shall furnish the details regarding the Electricity surveillance and monitoring that will be adopted and its environmental implications. 10. The proponent shall furnish the details regarding the Temperature surveillance and monitoring that will be adopted and its implications. 11. The proponent shall furnish the details regarding the Carbon Emission surveillance and monitoring that will be adopted and its implications. 12. The proponent shall submit the details regarding the anticipated per month energy consumption and per year energy consumption and ways to reduce energy consumption. 13. The proponent shall furnish the details regarding whether adequate parking area provided and traffic impact. 14. The proponent shall submit the impact of change in temperature and humidity on the green belt proposed within the site and in the nearby vicinity.
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		<p>15. The proponent shall submit the details regarding the facility that will be provided to monitor the health of the workers within the facility.</p> <p>In the view of the above, Authority decided to refer back the proposal and SEAC shall examine the above-mentioned queries and shall furnish its recommendations to SEIAA to take further course of action.</p> <p>Subsequently, the proposal was placed in 361st SEAC meeting held on 08.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC after carefully examining the replies submitted by the proponent, decided to reiterate its recommendation already made in 345th SEAC meeting held on 10.01.2023. All other conditions stipulated in the earlier minutes will remain unaltered.</p> <p>Subsequently, the proposal was placed in 607th SEIAA meeting held on .03.2023. 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> <ol style="list-style-type: none"> 1. All the replies given for the queries raised shall be adhered in letter and spirit. 2. The site layout must be provided with adequate fire safety provision with state-of-the-art automated facilities. 3. The proponent shall provide facilities to control temperature within the Data Centre
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		<p>by adopting efficient technology which will aid in minimizing the impact on Global Warming and Climate Change.</p> <ol style="list-style-type: none"> 4. The proponent shall provide adequate facilities to maintain the humidity within the Data Centre with automated facilities. 5. The proponent must ensure that water requirement for cooling purpose must be avoided by installation of Air-Cooled units. 6. High Sustainable, High-Performance Servers and advanced processors for boosted performance must be utilized for reducing energy consumption. 7. The proponent must ensure that toxic waste must be segregated and the segregated toxic waste must be disposed through authorized waste handler in sustainable manner. 8. The proponent must adopt integrated building management system to effectively manage power distribution. 9. The temperature and humidity in the server halls must be monitored such a way that any abnormality in temperature/humidity shall be rectified with suitable action to reduce equipment failure and E-Waste Generation. 10. The proponent must ensure Carbon Emission Surveillance once in a year to ensure sustainability to achieve carbon sequestration measures as proposed. 11. The proponent must implement Periodical updation of energy conservation
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			<p>technology as per BEE (ECBC) best practices.</p> <p>12. The proponent shall provide adequate path for Air Flow Management to maintain thermal efficiency.</p> <p>13. The proponent must ensure Family Healthy Insurance for the workers employed in the Data Centre.</p>
7.	<p>Proposed Expansion of Data Center Building Complex in S.F.No. 17/1, Plot No.6, Ambattur SIDCO Industrial Estate, Ambattur Taluk, Chennai District, Tamil Nadu by M/s. BAM Digital Realty Chennai Private Limited- For Environmental Clearance.</p>	9589	<p>Earlier the proposal was placed in 345th SEAC Meeting held on 10.01.2023. Based on the presentation and documents furnished by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Subsequently, the proposal was placed in 590th SEIAA meeting held on 09.02.2023.</p> <p>Authority after detailed deliberation, noted that since the data center is in cloud computing, the following impacts may be studied in detail</p> <ol style="list-style-type: none"> 1. The proponent must submit details regarding the fire suppression strategies that will be deployed during Fire break out. 2. The impact on Global Warming, Climate Change, Energy consumption, Cooling mechanisms to reduce temperature. 3. since the Data Centre is known to maintain temperature within the facility. The proponent is requested to provide information regarding the technology that will be employed to maintain the temperature within the Data Centre.


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4. The proponent shall submit the details regarding the methodology that will be adopted to maintain humidity within the facility.
5. Impacts on the surrounding environment and the inhabitants within the facility shall be studied and reported.
6. The proponent shall submit impacts regarding the Toxic Waste generation and its mitigation measures.
7. The proponent shall submit impacts regarding the anticipated E-Waste generation and its mitigation measures.
8. The proponent shall discuss in detail regarding the smart and innovative tools/technology that will be employed to tackle environmental conservation.
9. Since the proposed activity has higher power consumption, the proponent shall furnish the details regarding the Electricity surveillance and monitoring that will be adopted and its environmental implications.
10. The proponent shall furnish the details regarding the Temperature surveillance and monitoring that will be adopted and its implications.
11. The proponent shall furnish the details regarding the Carbon Emission surveillance and monitoring that will be adopted and its implications.
12. The proponent shall submit the details regarding the anticipated per month energy

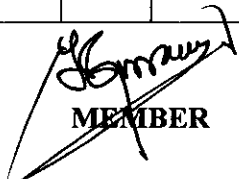

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		<p>consumption and per year energy consumption and ways to reduce energy consumption.</p> <p>13. The proponent shall furnish the details regarding whether adequate parking area provided and traffic impact.</p> <p>14. The proponent shall submit the impact of change in temperature and humidity on the green belt proposed within the site and in the nearby vicinity.</p> <p>15. The proponent shall submit the details regarding the facility that will be provided to monitor the health of the workers within the facility.</p> <p>In the view of the above, Authority decided to refer back the proposal and SEAC shall examine the above-mentioned queries and shall furnish its recommendations to SEIAA to take further course of action.</p> <p>Subsequently, the proposal was placed in 361st SEAC meeting held on 08.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC after carefully examining the replies submitted by the proponent, decided to reiterate its recommendation already made in 345th SEAC meeting held on 10.01.2023. All other conditions stipulated in the earlier minutes will remain unaltered.</p> <p>Subsequently, the proposal was placed in 607th SEIAA meeting held on .03.2023. After detailed deliberations, the Authority accepted the recommendations of SEAC and decided to grant Environmental Clearance subject to the conditions</p>
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as recommended by SEAC in addition to the following conditions and conditions stated therein vide Annexure 'C':

1. All the replies given for the queries raised shall be adhered in letter and spirit.
2. The site layout must be provided with adequate fire safety provision with state-of-the-art automated facilities.
3. The proponent shall provide facilities to control temperature within the Data Centre by adopting efficient technology which will aid in minimizing the impact on Global Warming and Climate Change.
4. The proponent shall provide adequate facilities to maintain the humidity within the Data Centre with automated facilities.
5. The proponent must ensure that water requirement for cooling purpose must be avoided by installation of Air-Cooled units.
6. High Sustainable, High-Performance Servers and advanced processors for boosted performance must be utilized for reducing energy consumption.
7. The proponent must ensure that toxic waste must be segregated and the segregated toxic waste must be disposed through authorized waste handler in sustainable manner.
8. The proponent must adopt integrated building management system to effectively manage power distribution.
9. The temperature and humidity in the server halls must be monitored such a way that


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			<p>any abnormality in temperature/humidity shall be rectified with suitable action to reduce equipment failure and E-Waste Generation.</p> <p>10. The proponent must ensure Carbon Emission Surveillance once in a year to ensure sustainability to achieve carbon sequestration measures as proposed.</p> <p>11. The proponent must implement Periodical updation of energy conservation technology as per BEE (ECBC) best practices.</p> <p>12. The proponent shall provide adequate path for Air Flow Management to maintain thermal efficiency.</p> <p>13. The proponent must ensure Family Healthy Insurance for the workers employed in the Data Centre.</p>
8.	Amendment of Environmental Clearance for the proposed Black Granite Quarry over an extent of 30.10.5 Ha at SF.No.1, Sudanur village, Palacode Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited—Environmental Clearance.	6742	<p>The authority noted that the subject was appraised in 334th SEAC meeting held on 02.12.2022 & 361st meeting of SEAC held on 10.03.2023. 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 Amendment of Environmental Clearance as per the modified mine plan approved by the Department of Geology & Mining as follows</p>


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Production Quantity as per EC	Amendment Sought
RoM: 79,004m ³ per Annum Black Granite: 3950m ³ per Annum (5% of recovery) EC period: 5 Years.	RoM: 79,004m ³ per Annum Black Granite 15800 m ³ per Annum (20% of recovery) & Granite Waste 63204 m ³ per Annum (80% of reject).

subject to the conditions stipulated vide EC Lr. No. SEIAA-TN/F.No.6742/EC/1(a)/5012/2020, dt: 09.03.2022 and the following additional conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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


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			<p>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>
9.	Existing Limestone Mine lease over an extent of 1.14.0Ha (patta land) in S.F.Nos. 202/2k (part) of Olaipadi West Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Saravana Mines & Minerals -for Terms of Reference under Violation.	6365	<p>The Authority noted that the subject was appraised in the 361st meeting of SEAC held on 10.03.2023. The SEAC decided to reiterate the recommendations already made in its 341st Meeting of SEAC held on 29.12.2022. All other conditions stipulated in the earlier minutes will remain unaltered.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category along with Public Hearing for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / Standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p>

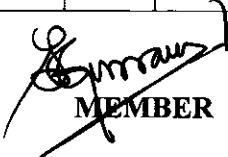

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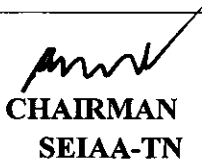

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		<ol style="list-style-type: none"> 1. The PP shall furnish Copy of valid mining lease approval obtained from the competent Authority. 2. The PP shall furnish Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining. 3. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan. 4. The PP shall study in detail about CO₂ release and temperature rise and add to micro climate alternations and the same shall be included in the final EIA report. 5. The PP shall study in detail about impact on the water bodies and natural flow of surface and ground water and the same shall be included in the final EIA report. 6. The PP shall study in detail about Soil health, Climate change leading to Droughts, Floods etc. 7. The PP shall study in detail about release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people. 8. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health. 9. The PP shall study in detail about impact on flora, fauna, biodiversity and water table and the same shall be included in the final EIA report.
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			<p>10. The PP shall study the impact on Invasive Alien Species (IAP).</p> <p>In case the PP does not furnish Chapter 13 as directed by SEAC, MS, SEIAA may refer the file to SEAC for further action.</p>
10.	Existing Grey Granite Quarry lease over an extent 3.19.5 Ha at S.F.Nos. 347/1, 347/2, 347/4, 347/5, 348/4, 348/5, 348/6B1, 348/6C & 348/6D1 Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Everking Granite - For Terms of Reference.	9549	<p>The authority noted that this proposal was placed for appraisal in 361st meeting of SEAC held on 10.03.2023. During the meeting the PP/EIA Co Ordinator stated that they would like to withdraw this proposal quoting with MOEF&CC O.M dated 13.12.2022. Hence, the SEAC has decided to defer the proposal and requested the SEIAA to take further action accordingly.</p> <p>In view of the above, the authority decided to call for justification from the project proponent for the withdrawal request. On receipt of reply, further deliberation will be done.</p>
11.	Existing Grey Granite Quarry lease over an extent 1.56.5 Ha at S.F.Nos. 353/2A1B, 2A7, 2B, 2C1 & 2E1A, Jagadevipalayam Village Bargur Taluk, Krishnagiri District, Tamil Nadu by Thriu E.Jagadeesan - For Terms of Reference.	9550	<p>The authority noted that the subject was appraised in 361st meeting of SEAC held on 10.03.2023. During committee meeting the PP has presented the reply and submitted the same to SEAC in regard to queries raised by 591st Authority meeting held on 10.02.2023 that "Online application was made vide TOR Application SIA/TN/MIN/404965/2022 Dt:04.11.2022 but the MoEF&CC clarification Notification for automatic extension of EC has come on 13.12.2022. Therefore, the applicant would like to withdraw the TOR application."</p> <p>During the meeting the PP/EIA Co Ordinator stated that they would like to withdraw this proposal quoting with MOEF&CC O.M dated</p>


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			<p>13.12.2022. Hence, the SEAC has decided to defer the proposal and requested the SEIAA to take further action accordingly.</p> <p>In this regard, the authority observed that the justification for withdraw request furnished by PP was not satisfactory. Hence, the SEIAA has decided defer this proposal seeking withdraw request of PP. In view of the above, SEIAA has decided to seek additional particulars</p> <p>i) Copy of valid scheme of mining plan & valid mining Lease.</p>
12.	<p>Existing Grey Granite Quarry lease over an extent 1.78.0 Ha at S.F.No.375/2D, 375/3, 375/2E (P), & 377/1A1 Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru.A.Sathar- For Terms of Reference.</p>	9494	<p>The authority noted that the subject was appraised in 361st meeting of SEAC held on 10.03.2023. During committee meeting the PP has presented the reply and submitted the same to SEAC in regard to queries raised by 590th Authority meeting held on 09.02.2023 that the PP has requested for the confirmation of validity of Environmental Clearance based on the MoEF&CC OM vide F.no.1A3-22/28/2022.1A111 (E181584) Dated 13.12.2022.</p> <p>Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made 345th SEAC Meeting held on 10.01.2023. All other conditions stipulated in the earlier minutes will remain unaltered.</p> <p>In view of the above, SEIAA has decided to defer and to seek certain additional particulars as follows</p> <p>i) Revised EMP for the project life including of Final and progressive mine</p>

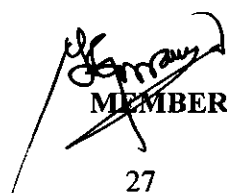

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			closure plan with capital & recurring cost with inflation every year.						
13.	Proposed Rough stone & gravel over an extent of 2.82.5 Ha at S.F.Nos.153/1, 2, 3, 4, 5, 6, 154/3A2, 162/9, 10 & 11 of Udaiyalipatti Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tmt. U. Vijayalakshmi - For Terms of Reference.	9603	<p>Earlier, the proposal was placed in 346th SEAC meeting held on 12.01.2023.</p> <p>During the presentation proponent requested for withdrawal of the proposal citing the following reasons</p> <table border="1"> <tr> <td>EC obtained Date</td> <td>16.09.2016</td> </tr> <tr> <td>Lease Deed Registered Date: 03.10.2016</td> <td>Validity of EC – 02.10.2021</td> </tr> <tr> <td>Validity of Extension of EC</td> <td>S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 02.10.2022</td> </tr> </table> <p>As per the OM Dated 13.12.2022, project that has valid Environmental Clearance as on date of notification 12.04.2022 shall stand automatically extended.</p> <p>During the meeting, the proponent stated that he had requested for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.</p> <p>SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...</p> <p><i>“The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above.”</i></p>	EC obtained Date	16.09.2016	Lease Deed Registered Date: 03.10.2016	Validity of EC – 02.10.2021	Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 02.10.2022
EC obtained Date	16.09.2016								
Lease Deed Registered Date: 03.10.2016	Validity of EC – 02.10.2021								
Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 02.10.2022								


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Based on the presentation made by the proponent and the facts made available by the PP, the SEAC decided to confirm that the proposal is eligible for 'automatic extension' as per the aforementioned OM issued by the MoEF& CC and therefore SEIAA may consider PP's request to withdraw the application.

Subsequently, the proposal was placed in the 591st Authority meeting held on 10.02.2023. The Authority after detailed discussion decided that the automatic extension of validity of prior Environmental Clearance should be based on approval mining plan. Also, the project proponent has filed application seeking Terms of Reference (ToR) vide online proposal No. SIA/TN/MIN/408143/2022, dated: 11.01.2023 only and not for Extension validity of Environmental Clearance.

In view of the above, SEIAA has decided to refer back the proposal to SEAC and SEAC is requested consider approved mining plan and to recommended approval of ToR.

The proposal was place in the 361st SEAC meeting held on 08.03.2023 and the EIA Coordinator stated that the PP has decided to withdraw the ToR application due to economic reasons. SEAC, therefore, decided to remit the file back to SEIAA to consider the withdrawal application of the PP, as and when made.

Subsequently, the proposal was placed in the 607th SEIAA meeting held on 03.04.2023.


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			Authority after detailed deliberation, accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to write a letter addressed to the proponent to submit withdrawal request in online through Parivesh Portal to take further course of action.
14.	Existing Black granite quarry over an extent of 6.73.0 Ha at S.F.No. 4/2 & 4/37 Thandrampattu Village, Chengum Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited- Terms of Reference.	1827	<p>The authority noted that the subject was appraised in 361st SEAC meeting held on 10.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance Extension 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 Extension for the quantity of 247276 Cu.m. of RoM including 24727 Cu.m. of Black Granite (Recovery 10%), 222549 cu.m of Granite waste with ultimate depth of mining upto 30m AGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>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</p>


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			<p>Clearance Extension is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF & CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.
15.	Proposed Rough stone & Gravel quarry lease over an extent of 2.66.0 Ha in, SF. Nos. 63/1, 64/1A, 64/3A &	8616	The authority noted that this proposal was placed for appraisal in 361 st meeting of SEAC held on 10.03.2023. SEAC decided to reiterate the


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<p>64/5A of Kavundampalayam Village, Gobichettipalayam Taluk, Erode District, Tamil Nadu by Thiru.S.Kandasamy - For Environmental Clearance.</p>	<p>recommendations already made in its 350th meeting of SEAC held on 02.02.2023 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 2,63,585m³ of Rough stone and 25,380m³ of gravel by restricting the depth of mining up to 35m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained
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			<p>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>
16.	Proposed Construction of Multi Storied Building at Old S.F.Nos. 125/2pt, 126/1pt, 134/1pt & 138, New S.F.Nos. 13/9pt, 13/3pt, 18/14, 13/1, 13/2, 13/3, 13/5, 15/5, 15/3, Athipattu Village, Ambattur Taluk, Chennai District, Tamil Nadu by Tmt. S. Sudharani - For Environmental Clearance.	9673	<p>The authority noted that the subject was appraised in 361st SEAC meeting held on 10.03.2023. Authority after detailed deliberation, decided to call for additional details as follows</p> <ol style="list-style-type: none"> 1. As per the land use classification submitted by the proponent in Parivesh portal, it is ascertained that the proposed site is a Nanjai Land. Hence, the proponent is requested to obtain permission from the competent authority to carry out development activity in Nanjai Land. 2. The proponent is requested to submit the Inundation certificate issued by PWD, WRD. 3. The proponent is requested to submit NOC obtained from the Fire Safety Department. 4. The proponent is requested to provide details regarding recreational activities provided, the


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			<p>Children's Play Area, and Gym provided within the facility.</p> <p>5. The proponent is requested to submit a detailed report enumerating the increase in PCU in the proposed area due to the proposed site and the anticipated change in the traffic pattern. Further, the increase in vehicular emission in the vicinity due to the proposed project shall be included in the report indicating the pollutant levels before construction and expected pollutant levels during the operation phase (Post construction) and the mitigation measures to be adopted shall also be submitted along with the report.</p> <p>6. The proponent is requested to submit a permanent water commitment letter obtained from CMWSSB/TWAD Board/Local body to get water supply for domestic purpose and to discharge the excess treated wastewater.</p> <p>7. The proponent is requested to enumerate the type of trees and plantation within the site and details regarding transplantation of existing tress/plantation.</p> <p>8. The proponent is requested to submit report regarding the impact on Ground Water table due to the proposed activity.</p> <p>On receipt of above details, further deliberation shall be done.</p>
17.	Proposed construction of Multi Storied Commercial Building at S.F.No. 335/3A, 335/3B, Block No.37, in Krishnarayapuram Village,	9601	The Authority noted that this proposal was placed for appraisal in this 361 st meeting of SEAC held on 10.03.2023 and SEAC has furnished its recommendation to the Authority for granting


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	<p>Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Globus Arima Builders LLP - For Environmental Clearance</p>		<p>Environmental Clearance to the project subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA TN to obtain following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. The Proponent shall furnish detailed land area breakup indicating OSR area in Sq.m and also in percentage of total land area. The project proponent shall provide entry and exit points for the OSR area, as per the norms for the public usage and as committed. 2. The project proponent shall enumerate on the details of No. of Trees, Age of trees & its yield details of trees in the proposed project site. 3. The PP shall obtain fresh water supply commitment letter from the local body /TWAD. 4. The PP shall furnish detailed Traffic analysis study report. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
<p>18.</p>	<p>Proposed Expansion of Existing Special Economic Zone in Tindivanam Industrial Park (In SIPCOT Industrial park) with land area 67.75 Hectares at SF.No. 32/1, 32/2, 32/3, 33/1B1, 33/1B2, 33/3, 33/5A, 33/5B, 33/7A, 33/7B, 33/8A,</p>	<p>9808</p>	<p>The Authority noted that the subject was appraised in 361st meeting of SEAC held on 10.03.2023 and decided to issue ToR under Violation, subject to conditions stated vide Annexure 'D'. Further, this ToR granted will not entail EC to the proponent as the case W.P (MD). No. 11757 of 2021 of 2021 is pending before Hon'ble Madurai Bench of the</p>


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<p>33/8B, 34/1, 34/2, 34/3, 34/4, 34/5, 34/6, 34/7, 34/8, 34/9A, 34/9B, 34/10, 34/11, 35, 36, 37/1, 37/2, 37/3, 37/4, 37/5, 37/6, 37/7, 38/1, 38/2, 38/3, 38/4A1, 38/4A2B, 38/5, 38/6, 8/7, 38/8, 38/9, 39/2, 40/2A, 40/2B, 40/3, 40/4, 40/5, 40/6, 40/7, 40/8, 40/9, 41/3, 42/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 53/1, 53/2, 53/3, 53/4, 53/5, 53/6, 53/7A, 53/7B, 53/8, 54/1, 54/2, 54/3, 54/4, 54/5, 54/6, 54/7, 55/1, 55/2, 56/1A, 56/1B, 56/1C, 56/2, 57/1, 57/2, 57/3A, 57/3B, 57/3C, 57/4, 57/5A, 57/5B, 57/6, 57/7, 57/8, 57/9, 60/1, 60/2, 60/3, 61/1, 61/2, 62/1, 62/2, 62/3, 63/1, 63/2, 63/3, 63/4A, 63/4B, 64/1, 118/1, 120/1, 120/2, 121/1, 121/2, 121/3 of Pelakuppam Village, Tindivanam Taluk, Villupuram District, Tamil Nadu by M/s. Cheyyar SEZ Developers Private limited - For Terms of Reference under violation</p>		<p>High Court of Madras and will be subject to final orders of the Hon'ble High Court of Madras in the matter W.P.(MD)No.11757 of 2021.</p>
<p>19. Proposed Expansion of Existing Special Economic Zone in Bargur SIPCOT Industrial Park over an extent of 94.2 Ha at Plot Nos 3, 4, 5, 18 to 37 bearing S.F.No. 1 Part, 2 Part, 3 Part, 4 Part, 4/3 Part, 4/4 Part, 5/1 Part, 5/2 Part, 5/3Part, 5/4Part, 6/1, 6/2, 6/3, 7 Part, 7/1 Part, 7/2Part, 7/3 Part, 8/1, 9/1, 9/2, 9/3, 10/2 Part,</p>	<p>9811</p>	<p>The Authority noted that the subject was appraised in 361st meeting of SEAC held on 10.03.2023 and decided to issue ToR under Violation, subject to conditions stated vide Annexure 'D'. Further, this ToR granted will not entail EC to the proponent as the case W.P (MD). No. 11757 of 2021 of 2021 is pending before Hon'ble Madurai Bench of the High Court of Madras and will be subject to final</p>


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	21 Part, 22 part, 23 Part, 24/1 Part, 25 Part, 25/2B Part, 26, 27Part, 28 Part, 29 Part, 30, 31 Part, 32/1 Part, 32/2 Part, 32/3 Part, 33 Part, 49 Part, 50 Part, 59 Part, 60 Part of Olaipatti Village, Uthangarai Taluk and S.F.No. 641 Part, 642 Part, 643 Part, 726 Part of Balethottam Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by M/s. CHEYYAR SEZ DEVELOPERS PVT LTD- For Terms of Reference under Violation		orders of the Hon'ble High Court of Madras in the matter W.P.(MD)No.11757 of 2021
20.	Proposed Expansion of Existing Special Economic Zone at Cheyyar SIPCOT Industrial Park at S. F. No. 191B, 194B, 197B, 199B, 200, 201, 213, 214, 215, 216, 217,218, 220, 221(PT),387 and 194, 195, 377, 386, 387/4 of Mathur Village and SF.No. 5 (PT), 7 (PT), 8, 9, 10 (PT), 12 (PT), 14, 15, 16(PT), 17, 18, 19, 20, 21(PT), 22(PT), 48(PT), 49, 51, 52, 53, 54, 55, 57, 59, 61, 62, 63, 64, 68, 69, 73, 222 PT, 223(PT),13, 56, 60,70, 71, 72,74(PT) of Mangal Village, SIPCOT Industrial Park, Cheyyar Phase-I Mathur and Manga Villages Vembakkam Taluk Tiruvannamalai District by Ms/. CHEYYAR SEZ DEVELOPER PVT LTD	9812	The Authority noted that the proposal was placed in the 361st meeting of SEAC held on 10.03.2023. The SEAC decided to recommend for the grant of sector specific standard Terms of Reference (ToR) under violation category for rapid EIA in 3 parts for the project, for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact Assessment report by the Accredited consultant and also with collection and analysis of data for the assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an Environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research


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			<p>Institutions working in the field of Environment in addition to the ToRs.</p> <p>After detailed discussion, the Authority accepted the recommendation of SEAC and decided to issue ToR under Violation, subject to conditions stated vide Annexure 'D'. Further, this ToR granted will not entail EC to the proponent as the case W.P (MD). No. 11757 of 2021 of 2021 is pending before Hon'ble Madurai Bench of the High Court of Madras and will be subject to final orders of the Hon'ble High Court of Madras in the matter W.P.(MD)No.11757 of 2021:</p>
21.	<p>Proposed Construction of Building for the Strengthening of District Headquarters Hospital in Tambaram Sanitorium at Tambaram in Chengalpattu District at Town Survey No: 2(Part) / Ward – B / Block – 22 of Kadaperi Village & Survey No: 226/1(Part), 226/2(Part), 227(Part), 228/2 & 228/3 of Chitlapakkam Village, Tambaram Taluk, Chengalpattu District, Tamil Nadu by M/s. Government Hospital Tambaram - For Environmental Clearance.</p>	9820	<p>The authority noted that the subject was appraised in 361st SEAC meeting held on 10.03.2023.</p> <p>Based on the presentation and document furnished by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</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> <ol style="list-style-type: none"> 1. All the trees in the site must be listed and re-transplanted at the boundary of the site. 2. The proponent must submit Gap Analysis obtained from TNPCCB before obtaining CTO from TNPCCB.
22.	<p>Proposed Marine Bridge connecting Vivekananda rock to Ayyan Thiruvalluvar statue at Kanyakumari</p>	9816	<p>The authority noted that this proposal was placed for appraisal in 361st meeting of SEAC held on 10.03.2023 and the SEAC after detailed</p>


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	Taluk, Kanyakumari District, Tamil Nadu by The Divisional Engineer, Highways Department - For Environmental Clearance.		<p>deliberations, decided to defer the proposal & take up this proposal in ensuing SEAC meeting.</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.</p>
23.	Proposed Expansion of foundry unit from 19200 TPA to 74400 TPA at S.F.No: 254/1, 254/2A1, 254/2A5, 256/1A, 256/1B, 256/1C, 256/1D, 258/1A, 258/2A, 258/2B, 258/3A, 258/3B & 258/3C Kallapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by M/s. Aquasub Engineering Unit V- for Terms of Reference	9844	<p>The authority noted that this proposal was placed for appraisal in 361st SEAC meeting held on 10.03.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing for preparation of detailed EIA report subject to the conditions as recommended by SEAC & normal conditions.</p> <ol style="list-style-type: none"> 1. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint, Green House Gas (GHG), CO₂ and rise in temperature. 2. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted. 3. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures. 4. The PP shall study fugitive emission and regular emission monitoring strategy to prevent escape. 5. Details regarding the transparency and accountability system in place during the operation period of the project.

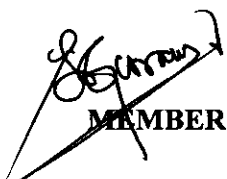

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		<ol style="list-style-type: none"> 6. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment. 7. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production and the report shall be submitted. 8. Through a chart Illustration, clarify the cradle to grave approach for anticipated emissions and environmental threats in every stage and mitigation strategy at every stage shall be submitted. 9. Project Proponent to submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 10. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environmental and human health. 11. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions. 12. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project. 13. 13. The green belt area should be not less than 15% of the total land area of the project.
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24.	Proposed New Collectorate Building in Master Plan Complex with total built up area of 20,069.46 Sq.m” at Survey No. –157/4, 158/4 and 159/6, Kooraikundu Village, Virudhunagar Taluk & Virudhunagar District, Tamil Nadu by M/s. Public Works Department - For Environmental Clearance.	9856	The authority noted that this proposal was placed for appraisal in 361 st meeting of SEAC held on 10.03.2023 and the SEAC noted that the PP requested to withdraw the project. Hence the SEAC decided to accept the withdrawal request. After detailed discussion the authority decided to obtain the following details from the PP, (i) The PP shall submit justification for withdrawing the proposal.
25.	Proposed sand quarry in Vellaru river over an extent of 4.48.0Ha at S.F.No.241/1 (P) & 242/1 (P), Vasistapuram Village, Kunnam Taluk, Perambalur District, TamilNadu by The Executive Engineer, Public Works Department, WRD, Mining and Monitoring Division, Tiruchirappalli – For Environmental Clearance.	9824	The authority noted that the subject was appraised in 361 st meeting of SEAC held on 10.03.2023 and SEAC decided to make an on-spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Further, the PP shall furnish the following details during the site inspection. 1. The Project Proponent shall make a detailed study involving reputed Govt scientific institutions and furnish a report in detail on the “Replenishment Study” as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020. 2. Pillar stone shall be erected before the site inspection. 3. Details of existing mining activities carried out in 1 Km either upstream & downstream direction. 4. Previous history of mining operation in the same location.

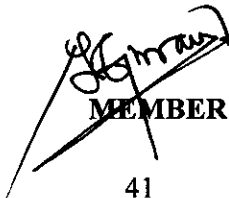

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			<p>On receipt of the Sub Committee report further deliberation will be done.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 10.03.2023.</p>
26.	<p>Proposed Sand quarry lease over an extent of 3.90.0 Ha at S.F.No 134(P) in Chithathur Village, Gudiyatham Taluk, Vellore District, Tamil Nadu by The Executive Engineer, WRD/PWD, Chennai -For Environmental Clearance</p>	9825	<p>The Authority noted that this proposal was placed for appraisal in this 361st Meeting of SEAC held on 10.03.2023. Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. Further, the PP shall furnish the following details during the site inspection.</p> <ol style="list-style-type: none"> 1. The Project Proponent shall make a detailed study involving reputed Govt scientific institutions and furnish a report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020. 2. Pillar stone shall be erected before the site inspection. 3. Details of existing mining activities carried out in 1 Km either upstream & downstream direction. 4. Previous history of mining operation in the same location. <p>On receipt of the Sub Committee report further deliberation will be done.</p>


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			<p>After detailed discussions, the Authority decided to obtain the following details in addition to the above.</p> <ol style="list-style-type: none"> i. Based on the Replenishment study, the management plan for sustainable removal to be provided. ii. The short term and long-term study along with the monitoring plan to be submitted. <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 10.03.2023.</p>
27.	Proposed Colour Granite quarry over an extent of 6.94.5 Ha of Govt. Poramboke land at S.F.No. 383/1 in Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Tvl.TAMIN Ltd - for Terms of Reference	9842	<p>The Authority noted that this proposal was placed for appraisal in the 361st meeting of SEAC held on 10.03.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions mentioned in 'Annexure B' of this minutes.</p>
28.	Proposed Construction of additional residential and public buildings in Existing Township "Anuvijay Township" Kudankulam Nuclear Power Project at S.No.51/85,470/475,482,483,518/532 etc of Chettikulam Village, Radhapuram Taluk, Tirunelveli	3296	<p>The authority noted that this proposal was placed for appraisal in 361st meeting of SEAC held on 10.03.2023 and,</p> <p>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</p>


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	District, Tamil Nadu by M/s Nuclear Power Corporation of India Ltd (NPCIL) - For Amendment in Environmental Clearance.		request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 10.03.2023.
29.	Dalmia Bharat Sugar and Industries Ltd at Chettichavadi Jaghir Magnesite and Dunite Mines, to an extent of 449.364 Ha in Chettichavadi village, Salem Taluk and District, Tamilnadu. Salem District Survey Report for Dunite to be approved by SEIAA, Tamilnadu as per Minutes of Meeting of EAC, MOEF, New Delhi dated 17.01.2023- Reg	C:No 6013/2023	The authority noted that this proposal was placed for appraisal in 361 st meeting of SEAC held on 10.03.2023. 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. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent.
30.	Proposed production enhancement from 3.MTPA to 6.97MTPA (ROM)in existing lime stone quarry (Go.No.76) over an extent of 166.005 Ha at S.F.No. SF Nos. 39/8, 40,41/1, 47/1,4 7/3, 47/11, 49, 50, 51, 52, etc. of Kallakudi Village, SF Nos. 54/1, 54/2, 55, 56, 57, 60, 75,81/1B, etc. of Kovandakurichi Village and SF No. 32 of Venkatachalapuram Village, Lalgudi Taluk, Trichy District, Tamil Nadu by M/s Dalmia Cement (Bharat) Limited - for Terms of Reference	9739	The authority noted that this proposal was placed for appraisal in 361 st SEAC meeting held on 10.03.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in ' Annexure B ' of this minute.
31.	Proposed Black Granite quarry lease over an extent of 1.11.5Ha at S.F.Nos. 104/7, 104/8, 104/9A, 106/1B2,	9769	The Authority noted that the subject was appraised in the 361 th SEAC meeting held on10.03.2023. SEAC has furnished its recommendations for


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<p>106/1C & 106/4 of Chittali (W) Village, Kunnam Taluk, Perambalur District, Tamil Nadu by Thiru. K.Jaganathan -For Environmental Clearance</p>	<p>granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendation of SEAC and safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 8382m³ of ROM and 2515m³ of Black Granite @ 30% recovery and 5867m³ of Granite waste @70%by maintaining the ultimate depth of mining upto 25mBelow Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
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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>
32.	Existing sand quarry in Cauvery River poramboke land at S.F.No.1(P), over an extent of 4.90.0Hectres in Kallapalli Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by The Executive Engineer, PWD/WRD, Mining & Monitoring Division, Tiruchirappalli - for amendment for Environmental Clearance.	8261	<p>The after detailed discussion decide to refer back the proposal seeking Amendment of EC Dt: 27.03.2021 to SEAC in regard to W.P. (MD). No. 5919 of 2023 pending before Madurai Bench of Madurai High Court and Appeal no. 80/2022 Pending before NGT (S2).</p> <p>Also, SEAC shall furnish recommendation with respect to nos. of hydraulic excavator & Bullock Carts/tractors/tippers as per modified mining plan considering minutes of SEAC 90th meeting held on 06.06.2023</p>
33.	Proposed Rough Stone over an extent of 4.58.80Ha comprising SF.No. 218/1 & 219/1 of Kolumankondan Village, Palani Taluk, Dindigul District, Tamil Nadu by	8648	<p>The authority noted that the subject was appraised in 351st meeting of SEAC held on 03.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p>


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	<p>Thiru.A.Thangaraj – For Environmental Clearance.</p>	<p>After detailed discussions, the Authority called for the following from the project proponent:</p> <ol style="list-style-type: none"> 1. On perusal of the KML file, lot of vegetation are seen within the mine lease area and an extensive list of flora including species diversity within the core and surrounding area has been furnished. Hence a detailed study report on the impact of proposed mining activity on the flora shall be submitted. 2. Furthermore, in the SEAC minutes, it is suggested that <i>The PP shall divert the Odai traversing through the mine lease area in the form of a permanent Garland Drainage installed around the boundary of the lease with a settling/precipitation tank before obtaining the CTO from the TNPCB without fail.</i> <p>The impact of the diversion of the Odai on biodiversity, flora, fauna, horticulture, soil erosion, drainage pattern and underground water level shall be studied and to furnish report.</p> <p>The proponent has furnished the details to SEIAA-TN on 15.03.2023 & 16.03.2023. The proposal was placed in the 607th meeting of the Authority held on .03.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure</p>
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		<p>sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 4,36,717 m³ of Rough stone to a restricted depth of mining upto 45m BGL(truncating IV and V benches in the 5th year) as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
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			<p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p>
34.	<p>To consider for the grant of Environmental Clearance under Violation for the Existing Construction of Medical Hospital building by M/s. Velammal Medical College & Hospital & Research Institute at S.F.Nos. 62/6, 62/7, 63/9A, 63/9B, 63/9C, 64/2, 64/7B, 70/2A, 70/2B, 71/1, 71/3, 71/4A, 72/2, 72/3A, 72/3B, 72/4A, 72/4B, 72/4C, 72/4D, 72/5, 72/6, 72/7, 72/8, 72/9A, 72/9B1, 72/9B2, 72/10, 72/11A, 72/11B, 72/12, 72/13, 73/4A(P), 73/4B, 73/13, 80/5 of Anuppanadi Village, Madurai South Taluk, Madurai District, Tamil Nadu</p>	518	<p>The Authority noted that,</p> <p>Earlier, in the 452nd meeting of Authority held on 09.08.2021, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC vide Minutes of 218th meeting of SEAC held on 09.07.2021.</p> <p>1. Accordingly, the amount prescribed for Ecological remediation (Rs.25.5lakhs), natural resource augmentation (Rs.15lakhs) & community resource augmentation (Rs.20lakhs), totaling Rs.60.50 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.60.50 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report</p>


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		<p>2. The amount committed by the Project proponent for CER (Rs.50 Lakhs) 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</p> <p>3. As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA.III dated:30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of Rs.50Lakhs to be remitted before the issue of Environmental clearance.</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) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>On receipt of above details, the Member Secretary is requested to place the proposal before the Authority for further course of action.</p> <p>Hence the proposal was placed in this 607th meeting of the Authority held on 03.04.2023. The Authority further noted that a case against the project has been filed before the Hon'ble NGT(SZ) vide O.A No. 08/2021 against the Proponent and is still pending. Hence the Authority decided to refer</p>
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			back the proposal to SEAC to furnish remarks on the same.
35.	Existing Limestone quarry over an extent of 4.58.0 Ha at S.F.No.94/1, 95/1 & 95/2 of Varagupadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Sri Ram Chemicals for grant of Terms of References "Under Violation".	6248	<p>The Authority noted that the proposal was earlier placed in 341st SEAC meeting held on 29.12.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category as per the MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017, subject to the following specific TOR, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants which should be submitted within ONE year from the date of issue of ToR.</p> <ol style="list-style-type: none"> 1. The proponent must withdraw the duplicate applications in Parivesh Portal vide Online proposal Number as follows. <ol style="list-style-type: none"> i. ToR under violation- SIA/TN/MIN/23205/2018 Dt: 11.04.2018. ii. ToR under violation - SIA/TN/MIN/24056/2018 Dt: 11.04.2018. iii. ToR under violation - SIA/TN/MIN/23050/2018 Dt: 12.04.2018.

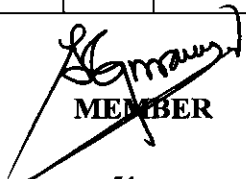

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		<p style="text-align: center;">iv. EC</p> <p style="text-align: center;">SIA/TN/MIN/62118/2018 Dt: 30.01.2017.</p> <p>Subsequently, the proposal was placed in 586th SEIAA meeting held on 25.01.2023 & 27.01.2023. The Authority noted that this proposal seeking Terms of Reference (ToR) under violation lacks the following valid mandatory documents for considering issue of ToR</p> <ol style="list-style-type: none"> 1. Copy of valid mining lease approval obtained from the competent Authority. 2. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 3. Copy of approved review of scheme of mining plan by the competent authority i.e Dept of Geology and Mining. 4. Copy of request letter submitted for renewal of mining plan/mining lease. <p>In view of the above, Authority after detailed discussion decided to call for the above said valid mandatory documents so as to consider the issue of Terms of Reference (ToR) under violation.</p> <p>In the meantime, the authority decided that in case the proponent does not provide the above said details sought for in 3 months, the Member Secretary, SEIAA may refer the proposal to SEAC and to take credible action against the PP under Sec.19 of Environment Protection Act, 1986.</p> <p>Subsequently, the proposal was placed in 357th SEAC meeting held on 23.02.2023. The authority noted that this proposal was placed for appraisal in 357th meeting of SEAC held on 23.02.2023,</p>
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		<p>the committee decided to reiterate the recommendations already made in its 341st meeting of SEAC held on 29.12.2022.</p> <p>Subsequently, the proposal was placed in 603rd SEIAA meeting held on 20.03.2023 & 21.03.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) exempted from Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minute.</p> <ol style="list-style-type: none">1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.2. The PP shall furnish Copy of valid mining lease approval obtained from the competent Authority.3. The PP shall furnish Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.
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		<ol style="list-style-type: none"> 4. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan. 5. The PP shall study in detail about CO₂ release and temperature rise and add to micro climate alternations and the same shall be included in the final EIA report. 6. The PP shall study in detail about impact on the water bodies and natural flow of surface and ground water and the same shall be included in the final EIA report. 7. The PP shall study in detail about Soil health, Climate change leading to Droughts, Floods etc. 8. The PP shall study in detail about release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people. 9. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health. 10. The PP shall study in detail about impact on flora, fauna, biodiversity and water table and the same shall be included in the final EIA report. 11. The PP shall study the impact on Invasive Alien Species (IAP). <p>In case the PP does not furnish Chapter 13 as directed by SEAC, MS, SEIAA-TN may refer the file to SEAC for further action.</p> <p>Subsequently, the proponent has submitted a request for withdraw of the duplicate proposals as</p>
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			<p>per the minutes of 241st SEAC meeting held on 29.12.2022 in the Parivesh portal and through letter dated: 07.03.2023 received to O/o SEIAA on 10.03.2023.</p> <p>Subsequently, the proposal was placed in 607th Authority meeting held on 03.04.2023.</p> <p>Authority after detailed deliberation noted that the proponent has submitted proposals in category B1 and B2 in various timeline. Further, the proponent was granted Terms of Reference under violation category in 603rd SEIAA meeting held on 20.03.2023 & 21.03.2023 based on the recommendation of SEAC in its 341st SEAC meeting & 357th SEAC meeting held on 29.12.2022 and 23.02.2023 respectively for the online proposal no. SIA/TN/MIN/27376/2018 Dated: 25.07.2017.</p> <p>In the view of the above facts, Authority decided that the proponent may submit the Final EIA report along with Ecological Damage Assessment, remediation plan, natural resource augmentation and community resource augmentation.</p> <p>Upon the receipt of the above details along with EIA report, further course of action will be taken.</p>
36.	To consider the proposal for the grant of Environmental Clearance for the Proposed Rough stone and Gravel quarry project over an extent of 1.62.0Ha in S.F.Nos. 387/1B1 at Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. S.Raju	8250	The authority noted that the subject was earlier appraised in 295 th SEAC meeting held on 15.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance in the name of Thriu.Vinu (legal Heir), S/o. Thiru. S Raju (Applicant) & confirm the recommendation


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		<p>already made in 267th SEAC meeting held on 28.4.2022.</p> <p>Subsequently, the proposal was placed in 540th SEIAA meeting held 18.08.2022.</p> <p>The Authority after detailed discussion, noted that</p> <ol style="list-style-type: none"> 1. As per the KML file uploaded in the Parivesh Portal, it is ascertained that the proposed lease area is located at a distance of 244m from the Effluent Treatment Plant from the coordinates 11^o07'59.04"N 77^o25'09.58"E (from KML) 2. As per Tamil Nadu Minor Mineral Concession Rules, 1959 under section V – Miscellaneous in para 36. General restrictions in respect of quarrying operations; (c) <i>“No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such “clearance”.”</i> <p>Hence, the proponent is requested to get clearance from the Director of Geology and Mining since the proposed lease area is situated within 300m from the Effluent Treatment Plant. Further, a No</p>
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		<p>Objection Certificate from the Effluent treatment plant shall also be furnished.</p> <p>Subsequently, the PP had submitted the reply to O/o SEIAA on 01.12.2022. Further, the proponent had submitted the NOC obtained from Commissioner, Commissionerate of Geology and Mining vide Rc.No.8038/MM1/2022 Dated: 29.11.2022. As per the NOC issued, under para 3 <i>“It is observed that the Sewage Treatment Plant came later during the year 2007. In the nearby quarry, as per rule 36(1-A) of the Tamil Nadu Minor Mineral Concession Rules, 1959, no building to be constructed and layout to be approved within 300 metres. Since it is 244m away from the Sewage Treatment plant it can be permitted to operate subject to the condition that certified person should be used for blasting purpose.”</i></p> <p>Further, it was ascertained that the proponent had obtained Environmental Clearance earlier for the same SF No. 387/1B1 vide Lr. No. SEIAA-TN/F.No. 3107 /EC/1(a)/ 1775 /2014 dated: 17.03.2015.</p> <p>Hence, OM No. IA3-22/10/2022-IA.III dated 08.06.2022 mandates the requirement of Certified Compliance Report (CCR) on the conditions stipulated in the ECs to the existing projects/activities from the concerned Integrated Regional Offices (IROs) of MoEF&CC for consideration of expansion proposals for grant of Environment Clearance under the provisions of EIA Notification, 2006.</p>
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		<p>In the view of the above, Authority decided that the proponent shall submit certified compliance report obtained from Integrated Regional Office (IRO) of MoEF&CC.</p> <p>Upon the receipt of the above, further deliberation shall be done.</p> <p>Subsequently, the PP had submitted the reply to O/o SEIAA on 15.03.2023.</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 68,425 m³ of Rough Stone with an ultimate depth of mining up to 32m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the
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		<p>EC conditions to ensure that they have all been adhered to and implemented.</p> <ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
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Annexure-'A'

EC Compliance

1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given


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in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.

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


Applicable Regulatory Frameworks

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

Safe mining Practices

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
7. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as recommended in the scientific slope stability study of the reputed research & Academic

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- › Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.
- 8. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

Water Environment – Protection and mitigation measures

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


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ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.

Air Environment – Protection and mitigation measures

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

Soil Environment – Protection and mitigation measures

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


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Noise Environment – Protection and mitigation measures

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

Biodiversity - Protection and mitigation measures

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

Climate Change

35. The project activity should not in any way impact the climate and lead to a rise in temperature.


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

Reserve Forests & Protected Areas

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

Green Belt Development


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

Workers and their protection

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

Transportation

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


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installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Storage of wastes

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

CER/EMP

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

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

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

Directions for Reclamation of mine sites

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

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

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


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


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

Annexure 'B'

Cluster Management Committee

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

Impact study of mining


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

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

Agriculture & Agro-Biodiversity

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

Forests

19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.


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22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

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

Energy

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

Climate Change

32. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.
33. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.

Mine Closure Plan


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

EMP

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

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

Risk Assessment

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

Disaster Management Plan

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

Others

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

40. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.

41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.

Annexure 'C'

Climate Change

1. The proponent shall adopt strategies to decarbonize the building.


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

Health

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

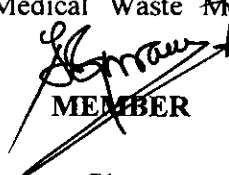
Energy

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

Regulatory Frameworks

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,


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Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.

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

19. The proponent shall provide elevator as per rules CMDA/DTCP.

Database maintenance & audits

20. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.

21. The proponent should maintain environmental audits to measure and mitigate environmental concerns.

Biodiversity

22. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,

23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.

24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.

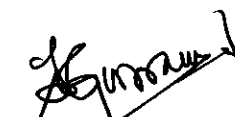
25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.

26. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.

27. The proponent shall adopt strategies to prevent bird hits.

Safety measures


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

Water/Sewage

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

Parking

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

Solid waste Management


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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.

Annexure - 'D'

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


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9. The proponent shall provide the action taken for reduction of green house gas emissions to support the climatic action to make it sustainable buildings.
10. The project proponent shall furnish the action taken to provide adequate parking space for visitors of all inmates including clean traffic plan.
11. The project proponent shall furnish the action taken to improve water usage efficiency in the building.
12. The project proponent shall conduct detailed study of biodiversity flora & fauna including invasives /endemic vulnerable species.
13. The project proponent shall furnish NOC obtained from competent authority that there is no encroachment of water bodies (including canals).
14. The project proponent shall furnish impact of Green House Gases emissions and climate change likely due to activities.
15. The project proponent shall conduct detailed soil investigation including microflora /fauna.
16. The project proponent shall study impact on livelihoods of locals.
17. The project proponent shall furnish List of trees available in the area.
18. The project proponent shall study impact of activities on water bodies/wetlands.
19. The project proponent shall conduct studies on invasive and alien species




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