

**MINUTES**

**692<sup>nd</sup> MEETING**

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

**Date: 07.02.2024**

**MINUTES OF THE 692<sup>nd</sup> MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY HELD ON 07.02.2024.**

| Agenda No | Description   | File No. | Minutes  |
|-----------|---|----------|--|
| a)        | Confirmation of the minutes of the 691 <sup>st</sup> meeting of the Authority held on 06.02.2024.   |          | The minutes of the 691 <sup>st</sup> meeting of the Authority held on 06.02.2024 was confirmed.  |
| b)        | The Action taken on the decisions of the 691 <sup>st</sup> meeting of the Authority held on 06.02.2024.   |          | The Member Secretary informed that 691 <sup>st</sup> Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.   |
| 1.        | Proposed Construction of High rise building for IT / ITES at S. NO. 259/5A, 281/1, 281/2, 283/10, 283/12, 284/14, T.S.No.29/1, 29/2, 29/11,29/12, 30/10, 30/12, 31/14, 35/5, Ward No. 'D', Block No.49 of Zamin Pallavaram Village, Pallavaram Taluk, Chengalpattu District, Tamil Nadu by M/s. Casagrand Vivacity Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/450548/2023) | 10540    | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023 and SEAC decided to defer seeking additional particulars.</p> <ol style="list-style-type: none"> <li>1. The PP shall furnish PWD NOC in regard to inundation point considering the 2015 &amp; 2023 flood level.</li> <li>2. The PP shall furnish proposal for green building Norms adhering to IGBC platinum certification.</li> <li>3. The PP shall furnish CMWSSB permission obtained for fresh water supply and treated sewage disposal in CMWSSB sewer line as proposed.</li> <li>4. The PP shall furnish Fire NOC and Airport authority NOC, since it is a High rise building for IT/ITES.</li> </ol> <p>In view of the above, the authority noted the remarks of SEAC and further after detailed discussion decided to direct the PP to furnish following additional details</p> |

  
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|    |  |       | <ul style="list-style-type: none"> <li>i) The PP shall furnish details of provision recreation area such as indoor paly area, GYM, Yoga etc.</li> <li>ii) Details of Impact and mitigations measures on climate change, carbon foot print, Greenhouse gas emission etc.</li> <li>iii) Disaster Management Plan &amp; Emergency Evacuation plan authorized by reputed institute/organization.</li> <li>iv) Traffic NOC obtained from competent authority.</li> </ul>  |
| 2. | Proposed Construction of Residential Building Complex at Block 0031, Old T.S. No. 3, New S.Nos.6/1, 6/2 & 6/3 Venkatapuram Village, Guindy Taluk, Chennai District, Tamil Nadu by the PP M/s DLF IT Offices Chennai Private Limited- For Environmental Clearance.<br>(SIA/TN/INFRA2/438071/2023) | 9480  | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023 and SEAC noted that the PP vide letter Dt:21.12.2023 has stated that they would not be able to attend this SEAC meeting due to prior commitment on another project on 28.12.2023 and requested to reschedule this proposal in subsequent meetings in first week January 2024. Accordingly, SEAC has decided to defer and take up the proposal in any one of the forthcoming meetings.</p> <p>In view of the above, the authority noted the 435<sup>th</sup> SEAC meeting held on 28.12.2023.</p> |
| 3. | Proposed Development of a Single Block Residential Building "OCEAN BREEZE" at S.F.Nos. 232/1B, 232/2B, 232/3B, 232/5, 232/6, 232/7, 232/9, 224/1B, 224/2A & 224/2B2 of Okkiyam - Thoraipakkam Village, Sholinganallur Taluk, Chennai District, Tamil Nadu by M/s. Ocean                          | 10499 | <p>The Authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority decided to obtain the following details from the PP.</p>  |

  
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|           | <p>Life Spaces India Pvt Ltd- For Environmental Clearance<br/>(SIA/TN/INFRA2/449135/2023)</p>  |  | <ol style="list-style-type: none"> <li>1. The PP shall submit a commitment letter for supply of fresh water and disposal of waste water from the Competent Authority.</li> <li>2. The proponent shall furnish NOC for flood inundation point of view obtained from the Competent Authority/PWD since the site is very close to Pallikaranai Marsh area.</li> <li>3. Also, Detailed study shall be carried out in regard to assess the impact of the proposed Construction of the Building on the Pallikaranai Marsh area from reputed Govt. Institutions such as NEERI.</li> <li>4. The PP shall furnish NOC of Airport authority for Height Clearance.</li> <li>5. The PP shall furnish the fire Noc.</li> <li>6. The PP shall furnish detailed Traffic analysis report.</li> <li>7. The E-Challan for the amount paid in lieu of OSR area to the Competent Authority shall be submitted.</li> <li>8. The proponent shall furnish details of play facilities for children and submit a detailed plan for the same</li> </ol> |
| <p>4.</p> | <p>File No: 10360<br/>Proposed Construction of Vellore Wholesale Merchants Estate at Melmonavur Village, Vellore Taluk &amp; District, Tamil Nadu by M/s. Vellore Wholesale Merchants Estate - For Environmental Clearance.<br/>(SIA/TN/INFRA2/439038/2023)</p> <p>The subject was earlier placed in the 671<sup>st</sup> meeting of Authority held on 14.11.2023. The Authority noted that the subject was appraised in 418<sup>th</sup> meeting of SEAC held on 19.10.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein. The Authority, after detailed discussions, decided to refer back the subject to SEAC on receipt of the following additional particulars from the PP:</p> |  |   |

  
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1. The PP shall furnish the dimensions of the individual shops to be constructed in each Block.
2. The PP shall show on the site plan, the shops/ blocks allocated for each type of the product on sale (vegetables/ fruits/groceries and so on)
3. The PP shall submit a study report on the impact of the proposed activity on the Reserve Forest located near the project site.
4. Energy profile depicting the consumption of energy for room heating, air conditioners, lighting and so on.
5. Report on anticipated carbon-dioxide and other greenhouse emissions from the proposed activity and means and methods of prevention/reduction of the impact.
6. Details of transport regulation within the market, light & heavy-duty vehicles to be handled per day and their warming potential.
7. Sanitation facilities to be provided for the vendors & public and action to decarbonise the area.
8. Technologies to be adopted to support material handling, storage, shop space and pallet space management.
9. Fire safety management, risk assessment and evacuation emergency plan shall be submitted.
10. Detailed report on anticipated quantity of perishable goods, groceries, florists, vegetable wastes and spoilage and other solid wastes' management.
11. Protection from free ranging animals, and action to be taken to prevent zoonosis.
12. Report on health care system to be provided for workers.
13. Details of workers' rest room and safety.

The PP vide letter dated 20.12.2023 finished the following reply:

| S.No. | SEIAA Query   | Reply furnished by the PP   |
|-------|---|---|
| 1.    | The PP shall furnish the dimensions of the individual shops to be constructed in each block | There are three type of dimensions.<br><b>Shops size</b><br>Large size - 4.88 x 9.75 m<br>Medium size - 2.75 x 4.88 m<br>Small size – 2.75 x 3.65 m<br>Dimensions of the individual shops of each block is shown in general layout submitted as <b>Annexure I</b> . |

  
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| 2. | The PP shall show on the site plan, the shops /blocks allocated for each type of the product on sale (Vegetables/fruits/groceries and so on)                 | Site plan of the shops/ blocks allocated each type of the product as shown general layout in different colour is submitted as <b>Annexure II.</b>  |
| 3. | The PP shall submit a study report on the impact of the proposed activity on the reserve forest located near the project site.                               | <p>A brief write-up about the Reserved Forest and Fauna and Flora is submitted as <b>Annexure III.</b></p> <p>The number of trees, shrub species, herbs species and climber species are detailed. Similarly schedule I and schedule II fauna are also detailed.</p> <p>The nearest Ammundi Reserved Forest is located 1.6 km north of the proposed construction of Vellore Wholesale Merchants Estate. The Reserved Forest is Geomorphically separated by Pallar river. It is planned to provide a fence by proposed Vellore Wholesale Merchants Estate which will protect the Reserve Forest.</p> |
| 4. | Energy profile depicting the consumption of energy for room heating, air conditioners, lighting and so on.   | <ol style="list-style-type: none"> <li>1. Air conditioners will be used for Cold storage room with the capacity of 11TR. The power requirement for the cold storage room is estimated as 396 kW per day.</li> <li>2. Illumination lights will be used for shops, OSR area, road ways, MLCP and open parking area. The power requirement for the illumination is estimated to be 304.93 kW per day.</li> <li>3. Energy conservation through Solar panel is 3368.95 kW.</li> </ol>   |
| 5. | Report on anticipated carbon-dioxide and other greenhouse emissions from the proposed activity and means and methods of prevention/ reduction of the impact. | <ol style="list-style-type: none"> <li>1. The proposed activity is building and construction for Vellore Wholesale Merchants Estate at Vellore. As manufacturing process is not involved, greenhouse emissions on continuous basis is not expected.</li> <li>2. The emissions are expected from vehicle used for transportation of materials. The vehicles are controlled by Bharat Emission (BSIV) norms.</li> </ol>  |

  
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|  |  |  | <p>The calculated CO<sub>2</sub> emission from the vehicle are as follows:</p> <p><b>For light vehicles:</b><br/> Presumption: The vegetables, flowers &amp; fruits are expected to be produced within 30 km radius. About 385 Nos. of vehicles will be engaged for transportation.<br/> The calculated emission from light vehicles is 1293.6 kg/day. (@ CO<sub>2</sub> emission 112 gm/km)</p> <p><b>For heavy vehicles:</b><br/> About 11 trucks/day are expected to be engaged for transportation of food grains, fertilizers, jiggery etc. These trucks are likely to operate 300 km from the Vellore Wholesale Merchants Estate Limited.<br/> The estimated emission from these activities are 2855.1 kg/day. (@CO<sub>2</sub> emission 865.2 gm/km)</p> <p>Total estimated CO<sub>2</sub> emission is 4148.7 kg/day.</p> <p>(i) CO<sub>2</sub> sequestration through green belt is 3942.39 kg/day. (1600 trees @ 0.221 to 1.433 kg/day)</p> <p>(ii) Offset from solar plant is 3262 kg/day. (3.5 MW @ 0.932 kg of CO<sub>2</sub> reduction per kW of power production)</p> <p>Total expected emission from the Vellore Wholesale Merchants Estate is 4148.7 kg/day.<br/> Total calculated off-set of CO<sub>2</sub> due to Vellore Wholesale Merchants Estate is 7204.39 kg/day.</p> |
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| 6. | Details of transport regulation within the market. Light and heavy-duty vehicles to be handled per day and their warming potential. | <p>Total No. of shops – 846 shops<br/>         No. of Vegetable, Flower &amp; Fruit shops – 350 shops</p> <p><b>Light Vehicles</b><br/>         Quantity of Vegetable, Flower &amp; Fruit in each shops to be handled per day is 750 kg/day.<br/>         In Vegetable, Flower &amp; Fruit shops using one truck load capacity of 1 tonne/day.<br/>         350 Vegetable, Flower &amp; Fruit shops handling. Total vehicle will be 385 trucks per day.</p> <p><b>Heavy Vehicles</b><br/>         No. of other shops – 496 shops, 11 heavy trucks per day.</p> <p><b>Warming potential</b><br/>         The average CO<sub>2</sub> emissions of light vehicle is 112 gm/km.<br/>         The average CO<sub>2</sub> emissions of heavy vehicle is 865.2 gm/km. Thus, the emission expected is 4148.7 kg/km.</p> |
| 7. | Sanitation facilities to be provided for the vendors & public and action to decarbonize the area.                                   | <p>There are 41 blocks are planned for the Vellore Wholesale Merchants project. Each block will have common toilets according to the size of blocks. There are small, medium and large blocks.</p> <p>The number of the toilet will vary based on the size of the blocks. The no. of sanitation facilities is arrived based on the NBC norms. (The minimum of 2 WC, 2 urinals &amp; 1 Physically Challenged People Bathroom (PCB) and maximum of 9 WC, 6 urinals and 1 PCB are proposed.</p> <p>In addition, common block for washroom alone is given 24 WC, 10 urinals and 4 PCB. The washroom maintenance will be out sourced on annual basis through tendering process.</p>  |


  
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| 8.  | Technologies to be adopted to support material handling, storage, shop space and pallet space management.   | The typology of shop is shown in general layout exhibit as <b>Annexure IV</b> . Each shop will have standard extended platform from the shops where the trucks can be unloaded and door can be unlocked and rested on the platform which having 1.2 m width RCC platform.<br><br>The materials are unloaded manually to the shops. Each block will have 4 to 7 m wide approach road where the trucks movement are expected to reach the shops. |
| 9.  | Fire safety management, risk assessment and evacuation emergency plan shall be submitted.   | Fire NOC, DBR for Fire Protection System and Fire safety management and Evacuation emergency plan attached as <b>Annexures V, VI and VII</b> .   |
| 10. | Detailed report on anticipated quantity of perishable goods, groceries, florists, vegetable wastes and spoilage and other solid waste management. | The expected solid waste breakup is shown in <b>Annexure VIII</b> .  |
| 11. | Protection from free ranging animals and action to be taken to prevent zoonosis.  | All around the Vellore Wholesale Merchants Estate Limited site will be fenced/compound wall. Sensors are planned at the entrance which will prevent free ranging animals.  |
| 12. | Report on health care system to be provided for workers.  | In order to protect the health of workers and visitors, a Public Health Centre is planned in the layout exhibit as <b>Annexure IX</b> . Necessary Doctors and equipment will be provided at the PHC. In addition, here will have ATM and driver's rest room.   |
| 13. | Details of workers rest room and safety.  | An area of 120 Sq.m is envisaged for workers/drivers rest room. Overall security will be provided to protect their safety are shown in general layout exhibit as <b>Annexure X</b> .   |

  
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Hence the subject was taken for discussion in the 435<sup>th</sup> meeting of SEAC held on 26.12.2023. The SEAC carefully examined the reply furnished by the PP and decided to reiterate the recommendations already made in the 418<sup>th</sup> meeting of SEAC held on 19.10.2023.

Subsequently the subject was placed in this 692<sup>nd</sup> meeting of Authority held on 07.02.2024. The Authority, after detailed discussions, accepted the recommendation of SEAC and decided to issue Environmental Clearance subject to following conditions and that stated vide **Annexure 'C'**.

1. The PP shall ensure that the proposed activity shall cause no adverse impact on the Reserve Forest located near the project site. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.
2. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the market area 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.
3. 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.
4. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighbouring 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 water bodies in the vicinity.
5. 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.
6. 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.
7. The construction of all the buildings shall necessarily be energy efficient and conform to the green building norms.
8. Report on anticipated carbon-dioxide and other greenhouse emissions from the proposed activity and means and methods of prevention/reduction of the impact.
9. The proponent shall ensure that no treated or untreated effluent discharged outside the premises under any circumstance.
10. The proponent shall take necessary action to reduce greenhouse gas emissions to support the climatic action to make it sustainable buildings.
11. The project proponent shall furnish the action taken to provide adequate parking space for

  
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- visitors of all inmates including clean traffic plan.
12. Adequate sanitation facilities shall be provided for the vendors & public. The washrooms shall be kept clean and disinfected.
  13. The PP shall adopt advanced technologies for material handling, storage, shop space and pallet space management.
  14. The PP shall strictly adhere to the fire safety norms and conduct mock drills for the workers on emergency evacuation annually.
  15. The disaster management and disaster mitigation standards to be seriously adhered to avoid of calamities.
  16. The perishable goods, groceries, florists, vegetable wastes, spoilage and other solid wastes shall be properly collected and disposed in accordance with the Solid Waste Management Rules, 2016 as amended.
  17. The PP shall completely fence/construct concrete wall all along the boundary of the proposed market area to restrict the grazing/free ranging animals entering the premises and to prevent zoonosis.
  18. Public Health Centre with adequate infrastructure and work force shall be provided to protect the health of workers and visitors.
  19. As reported by the PP, rest room with an area of 120 Sq.m shall necessarily be provided for the workers/drivers.
  20. The proponent shall deploy cost-effective technology to reduce GHG emissions.
  21. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon buildings.
  22. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
  23. The proponent shall adopt strategies to decarbonize the buildings.
  24. The proponent shall adopt strategies to maintain the health of the inhabitants/stakeholders.
  25. The proponent shall adopt strategies to reduce electricity demand and consumption.
  26. The proponent shall provide provisions for automated energy efficiency.
  27. The proponent shall provide provisions for controlled ventilation and lighting systems.
  28. The proponent shall adopt strategies to reduce temperature including the Building Façade.
  29. 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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|    | <p>Construction and Demolition Waste Management Rules, 2016, &amp; Batteries (Management and Handling) Rules, 2001.</p> <p>30. The proponent shall provide solar panels and contribute to the grid from the solar panel.</p> <p>31. The proponent shall adopt methodology to control thermal environment and other shocks in the buildings.</p> <p>32. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO<sub>2</sub>, CH<sub>4</sub>, nitrous oxide, etc., resulting from human activities.</p> <p>33. 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>34. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,</p> <p>35. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>36. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>37. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p> <p>38. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p> <p>39. 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> |      |  |
| 5. | <p>Proposed Expansion of Industrial shed by M/s Volumus Developers Private Limited at S.F.No.19/2A1B, 19/3, 19/4, 22/1, 22/2A1, 22/2C, 23, 24/1, 24/2 , 25, 26, 27/1, 27/2, 27/3A, 27/3B, 27/4, 28/1, 28/2, 29/1, 29/2, 30/1A1, 30/1B, 30/2A, 30/3A, 31/1B, 31/2A1, 31/2B, 32, 33, 34/1, 34/2, 51/1, 51/2, 52/1A, 52/1B, 52/2A, 52/3A, 52/4A, 52/4B, 53/3,</p>   | 9941 | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023.</p> <p>During the presentation, the EIA coordinator stated that Project Proponent was absent for the meeting. Hence, the proposal was not taken up for appraisal. Further, the project proponent shall furnish the reason for his absence.</p> <p>The authority noted the decision of SEAC.</p> |

  
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64/3, 66/1, 67/1A, 68/1, 69/1A, 69/2A, 70/1A, 70/1B, 70/2A, 71/1, 71/2, 71/3A2, 71/3B, 71/3C, 71/3D, 71/3E1, 71/3E2, 71/3E3, 72/2, 73/2A, 1026/2A, 199/3, 199/4, 196, 195/1, 195/2, 195/4, 195/5, 194/1B, 194/2, 193/1, 193/2, 195/3, 202/3A2, 202/1, 203/1, 203/2, 204/1, 204/3, 205/2, 199/1, 202/4, 198/2B, 140/5, 140/4, 202/2, 203/4, 206/1C, 204/2, 206/1B1, 198/2A, 197/1, 197/2B, 198/2C, 202/3B, 206/2B Part, 198/1, 201/2B, 201/1, 205/1, 206/1B2, 206/1A1, 206/1A3, 202/3A1, 201/2A, 203/3, 206/1A2, 36/3A, 35/2, 36/2, 37/2, 37/3, 36/1, 37/1, 38,40/2, 36/3B2, 40/1 Part, 35/1A1, 35/1A2, 212/1, 213/1, 219/1, 219/2, 218,217/1, 217/2A1, 217/2A2, 217/2B, 217/3, 216/1, 216/2, 215/1, 215/2, 215/3A, 215/3B, 215/4, 215/5, 214, 213/1, 213/2, 213/3, 212/1A, 212/1B, 212/1C, 212/2A1, 212/2A2, 212/2A3, 212/2B, 211/1, 211/2A, 211/2B, 211/3, 211/4, 211/5, 210/1, 210/2, 210/3, 210/4, 209/1, 209/2, 207/1, 207/2, 207/3, 207/4, 207/5, 206/2A1, 206/2A2, 206/2B, 206/3, 220/1, 219/3, 220/2, 221 of Vadakupattu Village, Kundrathur Taluk, Kancheepuram district and S. Nos. 14/2 (Pt), 14/3, 14/4, 14/6 pt,

  
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|    | 14/7 (Pt), 14/8, 15/1C Pt, 15/2A Pt, 15/3A, 15/4A, 15/5B1 of Padharvadi Village, Sriperumbudur Taluk & Kancheepuram district, Tamil Nadu for Environmental Clearance. (SIA/TN/INFRA2/449267/2023)   |       |  |
| 6. | Proposed Construction of High-Rise Residential building at S.F.No. 42/1, 49/1, 51/1, 52/1A, 52/2 & 53/2 of Koladi Village, Poonamallee Taluk, Thiruvallur District, Tamil Nadu by M/s. Danub Homes Private Limited for Environmental Clearance. (SIA/TN/INFRA2/447566/2023) | 10487 | The authority noted that the subject was appraised in the 435 <sup>th</sup> SEAC meeting held on 28.12.2023. The EIA coordinator through E-mail Dated: 27.12.2023 informed that the project proponent would be absent for the meeting. Hence, the proposal was not taken up for appraisal. Further, the project proponent shall furnish the reason for his absence. The authority noted the decision of SEAC.  |
| 7. | Existing Standalone Steel rolling mill by M/s. Beekay Steel Industries Ltd at S.F.No. 328/1, 328/2, 329, 330/1, 330/2, 332/1B1C2D, Kumaravadi village, Maduranthagam Taluk, Chengalpattu District, Tamil Nadu for Terms of Reference. (SIA/TN/IND1/437272/2023)             | 10522 | The authority noted that the subject was appraised in 435 <sup>th</sup> SEAC meeting held on 28.12.2023. Based on the presentation made by the proponent SEAC recommended grant of <b>Terms of Reference (TOR) without Public Hearing</b> . After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) without Public Hearing</b> for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions and the conditions mentioned in 'Annexure B' of this minute:<br><br>1. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint, Green House Gas |

  
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|  |  | <p>(GHG), CO<sub>2</sub> and rise in temperature.</p> <ol style="list-style-type: none"> <li>2. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted.</li> <li>3. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures.</li> <li>4. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment.</li> <li>5. Details regarding the transparency and accountability system in place during the operation period of the project.</li> <li>6. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment.</li> <li>7. Detailed study is to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production and the report shall be submitted.</li> <li>8. Through a chart Illustration, clarify the cradle-to-grave approach for anticipated emissions and environmental threats in every stage, and the mitigation strategy at every stage shall be submitted.</li> <li>9. If the project activity includes disposal of waste/rejects into landfill, the proponent shall furnish details on the strategies adopted to manage the same.</li> <li>10. The proponent shall study the ways of improving recycling efficiency.</li> </ol> |
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|  |  | <ol style="list-style-type: none"> <li>11. The proponent shall furnish the details about the radioactive contaminations related to the project.</li> <li>12. The proponent shall furnish details about the management of quenching water.</li> <li>13. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</li> <li>14. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human health.</li> <li>15. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</li> <li>16. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</li> <li>17. The green belt area should be not less than 15% of the total land area of the project.</li> <li>18. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</li> <li>19. The proponent shall conduct a study and furnish details on the impact of the project on the communities in and around the project area.</li> <li>20. The proponent shall furnish details on the impact on employee health due to the project activities.</li> </ol> |
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| 8. | Proposed Construction of Group Housing Development "Varsha" comprising 2 blocks with 210 Dwelling units and 2 Club Houses by Thiru G. Madan at S.F.No. 317/1, 2, 3, 4, 5A, 5B, 6, 7A, 7B, 322/1B & IC2, Perumbakkam Village, Tambaram Taluk, Chengalpattu District, Tamil Nadu for Environmental Clearance.<br>(SIA/TN/INFRA2/451067/2023) | 10529 | The authority noted that the subject was appraised in 435 <sup>th</sup> SEAC meeting held on 28.12.2023.<br>The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal and subject to the standard conditions stated therein.<br>The Authority after detailed deliberation decided to call for additional details as follows<br><br>1. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD.<br>2. The proponent shall submit Inundation certificate obtained from TN-WRD.<br>3. The proponent shall obtain NOC from Airport Authority of India.<br>4. A detailed traffic management and traffic decongestion plan from reputed Research and Academic Institution such as NIRM, IITs, NITs, Anna University Chennai-CEG Campus etc., shall be submitted.<br>5. The PP shall furnish the fire Noc.<br>6. The PP shall furnish Disaster Management Plan and Evacuation plan.<br>7. The proponent shall provide details of sufficient grass lawns, Indoor games, Gym and play facilities for children.<br>8. The PP shall furnish details regarding number of visitor's parking that are provided within the premises & a detailed layout of the parking provided shall be furnished. |
| 9. | Proposed Construction of Residential Building – Non High   | 10488 | The authority noted that the subject was appraised in the 435 <sup>th</sup> SEAC meeting held on 28.12.2023. SEAC   |

  
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|     | <p>Rise Group Development in Survey No. 108 of Kovilancheri Village, Tambaram Taluk, Chengalpet District, Tamil Nadu by M/s. Casagrand Fresh Private Limited – For Environmental clearance. (SIA/TN/INFRA2/448444/2023)</p> |       | <p>has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <ul style="list-style-type: none"> <li>i) From the KML file uploaded in the PARIVESH Portal, it was noted that Sithalapakkam lake is located within 500m radius from the proposed project site. Hence, the proponent shall furnish PWD NOC in regard to inundation point considering the 2015 &amp; 2023 flood level.</li> <li>ii) The proponent shall furnish the details on the impact of proposed project activity on the reserve forest &amp; water bodies situated near the project site and the mitigation measures proposed.</li> <li>iii) The PP shall furnish the proposal for green building Norms adhering to IGBC certification.</li> <li>iv) Details of outdoor children’s play area shall be furnished.</li> <li>v) The proponent shall furnish details of the disaster management plan proposed.</li> </ul> <p>On receipt of the same, further deliberations shall be done.</p> |
| 10. | <p>Proposed Construction of Residential Building at New Survey No. 113/2A (Old Survey No. 113/2) &amp; 130/2 of Egattur Village, Thiruporur Taluk, Chengalpet</p>   | 10552 | <p>The Authority noted that the subject was appraised in the 435<sup>th</sup> Meeting of SEAC held on 28.12.23. Based on the presentation and details furnished by the project proponent, SEAC decided to call for the following additional particulars.</p>   |

  
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|     | District, Tamil Nadu by M/s. Jain Housing LLP - For Environmental Clearance.<br>(SIA/TN/INFRA2/452504/2023)  |       | <ol style="list-style-type: none"> <li>1. The survey nos 113/2A &amp; 130/2 come under "Nanjai Category". Hence the PP shall furnish land use conversion certificate.</li> <li>2. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the Municipal Corporation/Competent Authority.</li> <li>3. As accepted, the PP shall revise CER.</li> <li>4. The PP shall furnish details of charging station for e-vehicle.</li> </ol> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent held on 28.12.23.</p>  |
| 11. | Proposed Construction of High rise residential Group Development Buildings at Survey Nos. 508/4A, 508/4B, 508/6A1, 508/6A2, 508/6B, 508/6C, 508/6D, 508/7A, 500/7B, 508/7C, 508/7D, 500/7E, 508/7F, 508/7G, 508/7H, 508/7I, 508/8A, 508/8B1, 508/8B2, 508/11A, 508/11B, 508/21A, 508/28, 508/36B, 508/36C1, 508/36C2, 508/38A1, 508/45, 508/48, 575/2A2A1, 575/2A2A2, 575/2A2A3, 575/2A2B1, 575/2A2B2, 575/2A2B3, 575/2A3, 575/2B, 575/2C, 575/3B1, 575/4A, 575/4B, 575/4C, 575/5A, 575/5B, 575/6A, 575/6B, 575/6C, 575/7A1, 575/7A2, 575/7B, 575/7C, 575/7D, 575/8A1, 575/8A2, 575/8A3, | 10184 | <p>The authority noted that this proposal was placed for appraisal in 435<sup>th</sup> meeting of SEAC held on 28.12.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> <li>1. The PP shall furnish approval letter from Municipality/competent Authority for supply of drinking water and absorb excess treated sewage with amount paid challan and acknowledgement from Municipality for receiving the money.</li> <li>2. The PP shall furnish details of children's play area.</li> <li>3. The PP shall furnish the details of adequate parking facility including visitors and</li> </ol> |

  
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|     | <p>575/8B1, 575/8B2, 575/9A, 575/9B1, 575/9B2, 575/9B3, 575/9C1, 575/10A1, 575/10A2, 575/10B, 575/10C, 575/10D1, 575/10D2, 575/10E, 575/10F, 575/10G, 575/12A, 575/12B, 575/12C, 575/13A, 575/13B, 575/13C, 575/13D, 575/13E1, 575/13E2, 575/13F, 575/14A, 575/14B, 575/14C, 575/15, 575/16, 575/17, 575/18, 575/19, 575/20, 575/21, 575/22, 575/23, 575/24, 575/25, 579/1, 579/2, 580, 581/1, 581/2, 581/3, 581/4, 581/5, 724/3 &amp; 724/5 of Sholinganallur 1 Village, Sholinganallur Taluk, Chennai District, Tamil Nadu by M/s Casa Grand Vivaace Private Limited- For Environmental Clearance.<br/>(SIA/TN/INFRA2/444951/2023)</p> |       | <p>maintenance staff.</p> <ol style="list-style-type: none"> <li>4. The PP shall furnish traffic congestion study.</li> <li>5. The PP shall furnish evacuation plan.</li> <li>6. The PP shall furnish disaster management plan.</li> </ol> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>   |
| 12. | <p>Proposed Expansion of Development of Industrial Park at S.F.Nos. 17/2, 18/1B, 18/2B, 18/3B, 18/5, 18/6, 19/3B, 19/4, 19/5, 20/1, 20/2, 21/1, 21/2, 21/3, 21/4A, 21/4B, 21/5, 22/1, 22/4, 23/1, 23/2, 23/3pt, 24/1, 24/2, 24/3, 25/6, 26/1, 26/2, 26/3, 27/2, 27/3A, 27/3B, 28/1pt, 28/2, 29, 30, 32/1, 32/2, 32/3, 32/4, 32/5, 32/6, 34/1, 35/2, 45/1, 45/2A, 45/2B, 45/5, 45/6, 47, 59/2, 83/3B, 101/1B, 101/2B, 102/1, 102/3,</p>   | 10490 | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023. During the meeting, the Committee noted that the project proponent was absent for the meeting. Hence the subject was not taken up for discussion. Further, SEAC decided that the proponent shall furnish the reason for absence.</p> <p>In view of the above, the Authority accepted the decision of SEAC and decided to request Member Secretary, SEIAA to communicate the minutes of 435<sup>th</sup> SEAC meeting to the project proponent.</p> |

  
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103/2, 113/1, 113/2, 114/1, 115/1,  
115/2, 115/3, 115/4, 116/1A,  
116/1B, 116/2, 116/3, 116/4, 116/5,  
117, 118/1, 118/2, 119, 120/2, 233/2,  
242/1, 242/2, 243, 244, 245/1A,  
245/1B2, 245/2B, 247, 248/1A,  
248/1B, 248/2, 249/1, 249/2, 250,  
251, 253/1, 253/2, 254/1A, 254/1B,  
254/1C, 254/2, 254/3, 254/4, 255,  
256/1, 259/1, 260/1, 260/2, 261/1,  
261/2, 262/1A2, 262/2A, 262/2B,  
266/2B, 267/1B, 267/2, 268, 271/2,  
272, 273, 274 of Panapakkam  
Village & S.F.Nos: 379/1, 379/2A,  
380/2, 380/3, 380/3B, 382/2,  
383/1A, 383/1B, 383/2, 383/3,  
384/1A, 384/1B, 384/3A, 384/3B,  
384/4, 385/1B, 385/2A2, 385/2B,  
386/1A, 386/2A2, 391/1, 391/2,  
391/2A, 391/2B, 391/3, 391/3A,  
391/3B, 391/4, 391/5, 391/6A,  
391/7, 392, 392/1C, 392/1D,  
392/1E, 392/1F, 392/1H, 392/1I,  
392/1J, 392/1K, 392/2, 392/3,  
392/3A, 392/3B, 392/4, 392/5A,  
392/5B, 394/2, 395/1A, 395/1B,  
395/2, 395/3, 396, 397/1, 397/2,  
397/3, 397/4, 398/1A, 398/1B,  
398/2, 399/1A, 399/1B, 403/1,  
403/2A, 403/2B, 404/1A1, 404/1A2,  
404/1B, 404/2, 404/3, 404/4, 404/5A  
of Maduravasal Village, Uthukottai  
Taluk, Tiruvallur District, Tamil

  
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|     | Nadu by M/s. Vinplex India Private Limited – For Terms of Reference (ToR).<br>(SIA/TN/INFRA2/452419/2023)   |       |  |
| 13. | Proposed manufacture and supply of adhesives, sealants, Polymers, Modified Starch, Starch-based adhesives, Phenol Formaldehyde Resin, Synthesis based products, Microencapsulation adhesives and Activated Copper Chromite at S.F.Nos. 212 (part) & 243 (part), Plot Nos. S16 & S17, SIPCOT Industrial Park, Ingur Village, Perundurai Taluk, Erode District, Tamil Nadu by M/s. Anabond Limited - For Terms of Reference (ToR).<br>(SIA/TN/IND3/445720/2023) | 10504 | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference for the EIA study subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR)</b> for preparation of detailed EIA report subject to the conditions as recommended by SEAC &amp; normal conditions in addition to the following conditions.</p> <ol style="list-style-type: none"> <li>1. What will be the impacts on the soil flora fauna due to the said activity?</li> <li>2. What will be the impacts on the health of workers due to the said activity?</li> <li>3. The PP shall furnish the recycling schedule from Cradle to Graveyard of each product and also furnish gate to gate analysis process.</li> <li>4. The PP shall furnish the Life Cycle Analysis (LCA) of the products.</li> <li>5. The PP shall furnish the Self life of the Adhesives &amp; Coatings.</li> <li>6. What are the products to be used in the Starch based adhesive?</li> <li>7. What are the Environment impacts due to envisaged Microencapsulation adhesives &amp; Activated Carbon Chromite.</li> </ol> |



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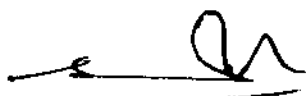
|     |   |       |  |
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|     |   |       | 8. The PP shall furnish the details of action to be taken for the reduction of Carbon foot print, CO <sub>2</sub> emission, GHG levels & Defective circular economy implementation.  |
| 14. | Proposed Construction of Group Development Non-Highrise Residential Building cum Club House Building at S.F.Nos. 105/1, 110/7, 112, 113/1 of Anakaputhur Village, Pallavaram Taluk, Chengalpattu District within the limit of Tambaram Corporation and S.F.Nos. 254/1, 254/2, 254/3, 255, 256/1, 256/2, 257, 258/1A, 258/1B, 258/2, 259/1, 259/2, 260/1, 260/3, 260/4, 260/5, 261, 262, 263, 265/1, 265/2, 267, 269/1, 269/2A, 269/3, 270/3, 271/1, 271/2, 271/10 of Polichallur Village, Pallavaram Taluk, Chengalpattu District within the limit of St.Thomas Mount Panchayat Union, Tamil Nadu by M/s. Casagrand Stage7 Private Limited – For Terms of Reference (ToR).<br>(SIA/TN/INFRA2/451885/2023) | 10546 | The authority noted that the subject was appraised in the 435 <sup>th</sup> SEAC meeting held on 28.12.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference for the EIA study subject to the conditions stated therein.<br>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR)</b> for undertaking the Environment Impact Assessment Study and preparation of Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions and the conditions mentioned in 'Annexure D' of this minutes.<br>1. The PP shall furnish the Disaster Management Plan & Evacuation Plan. |
| 15. | Expansion of Proposed Construction of Residential Township at S.F.Nos. 89/1A1A, 3A2, 90/1A2, 1B, 2A, 2B2A1, 2B2A2, 2B2B, 91/1, 100/4, 5, 6, 7, 105, 106/1A, 1B, 2, 3, 4, 107/1, 110, 111/2B, 112/1, 2, 3, 4, 5,   | 10070 | The authority noted that the subject was appraised in the 435 <sup>th</sup> SEAC meeting held on 28.12.2023 and the SEAC decided to call for the following details from the project proponent:<br>1. The PP shall furnish the Wet land conversion certificate obtained from the  |

  
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| <p>6, 7, 113/3, 4, 5, 117/1A, 1B1, 1B2, 2, 3, 4, 123/1, 2, 124, 125/1A, 1B, 2A, 2B1, 2B2, 3, 127/1A, 1B, 2, 129/1, 2A, 2B, 3, 130/1, 2, 3, 4, 131, 132/1B1, 1B2, 1B3, 2A, 2B, 3A, 3B1, 3B2, 4, 133/1B1A, 1B1B, 145/1, 2, 3, 4, 146, 147/1A1, 1A2, 1B, 2A, 2B, 148/1, 2, 3, 4A, 4B, 5, 149, 150, 152/1, 2, 153/1A, 1B1, 1B2, 2, 154/1A, 1B, 2, 155/1, 2, 3, 172/1, 2, 173/1, 2A, 2B, 174/2, 3A, 3C, 175, 176/1, 2A, 2C, 3A, 3C, 4A, 4C, 5A, 5C, 177/1, 2A, 2C, 3, 178/1A, 1C, 2A, 2B1, 179, 180/1, 2A, 2B, 3A, 3C, 4A, 4C, 5A, 5B, 6, 181/1, 182/1, 2A, 183/1, 2, 3, 4, 5, 6A1, 184/1A1, 1A3, 3A, 185/1, 186, 187, 188, 189/1, 2A, 190/3A1, 196/5A, 198/1, 199/1A1, 1A3, 1B, 1C, 2, 3, 200, 201/1, 3, 202/1, 3, 203, 204, 205, 206/1, 2, 207/1, 2A, 2B, 208, 209/1, 2B, 211/2A, 2B, 212/1, 4, 213 of Padur Village, Tiruporur Taluk and S.F.Nos. 198/10, 199/5A1 &amp; 5A2 of Pudupakkam Village, Vandalur Taluk, Chengalpattu District, Tamil Nadu by M/s. Pacifica Builders Pvt Ltd – For Environmental Clearance. (SIA/TN/INFRA2/442418/2023)</p> |  | <p>competent authority for the wet land survey numbers to utilize the same for residential purpose.</p> <ol style="list-style-type: none"> <li>2. The PP shall furnish the realistic/viable data &amp; quantity for water consumption, wastewater generation and its treatment and disposal methods and also correct the water balance accordingly with proper justification.</li> <li>3. The PP shall mention the existing STP capacity and proposed STP capacity and correct the specifications.</li> <li>4. The PP shall furnish the Design adequacy report for the STPs.</li> <li>5. The PP shall furnish the latest Report of Analysis (RoA) of sewage samples collected from the existing STP by TNPCB.</li> <li>6. The PP shall furnish the E-waste generation data and its disposal details under Solid waste management column.</li> <li>7. The PP shall furnish the exact parking requirements for the proposed residential township project with calculation and supporting documents.</li> <li>8. The PP shall furnish the inundation certificate obtained from the competent authority.</li> <li>9. The PP shall furnish the traffic congestion study report &amp; Traffic NOC obtained from the competent authority.</li> <li>10. The PP shall furnish the NOC obtained from the competent authority for the fresh water</li> </ol> |
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requirement and excess treated sewage disposal.


11. The PP shall furnish the existing & proposed tree plantation details with geo referencing for the proposed residential township project with recommended tree species by the agricultural department.
12. The PP shall furnish the complete drone video and photos of the present site conditions.
13. The PP shall furnish the NOC obtained from the Airport authority of India, since it is a proposed high-rise building.
14. The PP shall furnish the fire license obtained from the competent authority.
15. The PP shall earmark the Children's play area within the project site.
16. The PP shall furnish the details regarding the implementation of Environment Management Cell for the proposed construction project.
17. The PP shall furnish the proposal for IGBC green building norms.

On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

After detailed discussion, the Authority decided to obtain following details from the PP in addition to

  
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|     |  |       | <p>the above.</p> <p>1. The PP shall furnish the Disaster Management Plan &amp; Evacuation Plan.</p>  |
| 16. | <p>Re Development of Periyar Bus Stand Near Junction Tirunelveli at S. No.589/1A1,1B of Tirunelveli Village, Tirunelveli Taluk, Tirunelveli District, Tamil Nadu by M/s. Tirunelveli City Municipal Corporation- For Terms of Reference Under Violation.<br/>(SIA/TN/INFRA2/452866/2023)</p>                     | 10559 | <p>The authority noted that this proposal was placed for appraisal in the 435<sup>th</sup> meeting of SEAC held on 28.12.23 and the SEAC has decided to recommend the proposal for issue of ToR under Violation category subject to the conditions stated therein.</p> <p>The authority, after detailed discussions, decided to refer back the proposal to SEAC in order to look into the OM dated 08.01.2024 on "Stay imposed by Hon'ble Supreme Court with reference to the SOP dated 7<sup>th</sup> July 2021 and OM dated 28<sup>th</sup> January 2022".</p>  |
| 17. | <p>Proposed Construction of District Headquarters Hospital at Hosur in Krishnagiri District at S.F.Nos.20/2B, 20/3B, 21/1B, 21/2 &amp; 21/3, Naligabetta Agraharam Village, Hosur Taluk, Krishnagiri District by M/s. M/s.Government Hospital - For Environmental Clearance.<br/>(SIA/TN/INFRA2/453798/2023)</p> | 10568 | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12. 2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the following additional specific conditions, conditions as recommended by SEAC &amp; normal/standard conditions stipulated by MoEF&amp;CC and the conditions in Annexure 'C' of this minutes.</p> <p>i) The PP shall furnish gap analysis report for the bio medical waste generated obtained from TNPCB.</p> <p>ii) The Hospital should Anticipate climate-related vagaries, shocks &amp; stresses and</p> |

  
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|     |   |       | <p>build sufficient caution in the disaster management plan.</p> <p>iii) Prompt Action should be taken to mitigate carbon emissions, GHGs &amp; reduce carbon footprint to enable health comforts &amp; management.</p> <p>iv) There should be an appropriate plan for waste management. All activities during operation &amp; post operation should be energy efficient with proper emission audits.</p> <p>v) The proponent shall adopt strategies to reduce temperature including the Building Façade.</p>  |
| 18. | <p>Proposed Construction of IT/ITES Development at Survey Nos. 36/1A1A1, 36/1A1A2, 38/2A1A2, 38/2A1B, 38/2A1C, 38/2A1D, 38/2A1E, 38/2A1F, 38/2A2, 47/1C1, 47/1C2 &amp; 47/1C3 of Seevaram Village, Shollinganallur Taluk, Chennai District, Tamil Nadu by M/s. Jananya Realtors Pvt. Ltd. – For Terms of Reference. (SIA/TN/INFRA2/417558/2023)</p> | 10141 | <p>The authority noted that the subject was appraised in the 435<sup>th</sup> SEAC meeting held on 28.12.2023. After detailed discussion, the Authority accepted the recommendation of SEAC and decided to grant of Terms of Reference as recommended by SEAC for undertaking the Environment Impact Assessment Study and preparation of Environment Management Plan subject to the conditions as recommended by SEAC in addition to the following conditions:</p> <ol style="list-style-type: none"> <li>1. As per the MoEF&amp; 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.</li> <li>2. The PP shall furnish commitment letter obtained from competent authority for fresh water supply and treated sewage disposal.</li> </ol> |

  
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|  |  | <ol style="list-style-type: none"><li>3. The proponent shall furnish details on indoor &amp; outdoor play area provided within the premises.</li><li>4. The proponent shall furnish details on the health care facilities provided within the project premises.</li><li>5. The proponent shall furnish details on the measures taken to make the Buildings energy efficient and confirm to the green building norms.</li><li>6. The proponent shall provide details on the adequate parking facility provided including clean traffic plan.</li><li>7. The proponent shall ensure that no treated or untreated trade effluent/sewage discharged outside the premises under any circumstances.</li><li>8. The disaster management and disaster mitigation plan shall be furnished and should be seriously adhered to avoid of calamities.</li><li>9. The project proponent shall furnish the action taken to improve water usage efficiency in the building.</li><li>10. The project proponent shall conduct detailed study of biodiversity flora &amp; fauna including invasives /endemic vulnerable species.</li><li>11. The project proponent shall furnish NOC obtained from competent authority that there is no encroachment of water bodies (including canals).</li><li>12. The project proponent shall furnish impact of Green House Gases emissions and climate change likely due to activities.</li></ol> |
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|  |  | <p>13. The project proponent shall conduct detailed soil investigation including microflora /fauna.</p> <p>14. The project proponent shall study impact on livelihoods of locals.</p> <p>15. The project proponent shall furnish List of trees available in the area.</p> <p>16. The project proponent shall study impact of activities on water bodies/wetlands.</p> <p>17. The project proponent shall conduct studies on invasive and alien species and the measures taken to prevent the spread of these.</p> <p>18. The proponent shall furnish details on the actions taken to reduce anthropogenic GHGs such as CO<sub>2</sub>, CH<sub>4</sub>, nitrous oxide, etc., resulting from human activities.</p> <p>19. The proponent shall furnish details on the strategies adopted to decarbonize the building.</p> <p>20. The proponent shall furnish measures taken to mitigate the impact on critically endangered species, biodiversity, etc, due to the modification of the habitat.</p> <p>21. The proponent shall develop emergency response plan in addition to the disaster management plan.</p> <p>22. The proponent shall furnish details on building-friendly pest control strategies developed using non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p> |
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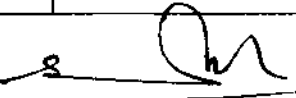
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|     |  |       | <p>23. The proponent furnish detailed plan adopted to reduce carbon footprints and also strategies for climate proofing and climate mitigation.</p> <p>24. The proponent shall furnish details on strategies developed to ensure the buildings in blocks don't trap heat and become local urban heat islands.</p> <p>25. The proponent shall furnish details on the sustainability criteria adopted to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.</p> <p>26. The proponent shall furnish details on the strategies developed to prevent bird hits.</p> <p>27. The proponent shall furnish details on the provisions made to ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.</p> <p>28. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan during emergencies.</p> <p>29. The proponent shall explain the methodology adopted to control thermal environment and other shocks in the building.</p> <p>30. The proponent shall provide details on the provisions for controlled ventilation and lighting systems.</p> |
| 19. | Proposed Black Granite quarry lease over an extent of 3.40.0 Ha at S.F.No.3/7B(P), 3/8B(P), 385/4(P), 386/3B, 459/1(P), 459/3A(P), | 10187 | EC was granted to Tvl. Sri Ram Exports for the Proposed Black Granite quarry lease over an extent of 3.40.0 Ha at S.F.No.3/7B(P), 3/8B(P), 385/4(P), 386/3B, 459/1(P), 459/3A(P), 459/3B1(P),   |

  
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| <p>459/3B1(P), 459/3B2(P), 462/3(P), 462/4A(P) &amp; 462/4B(P) in Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tvl. Sri Ram Exports - Environment Clearance Corrigendum.</p>  |             | <p>459/3B2(P), 462/3(P), 462/4A(P) &amp; 462/4B(P) in Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu vide Lr. No.SEIAA-TN/F.No.10187/EC.No:6150/2023 dated:01.11.2023 subject to the conditions stated therein.</p> <p>Now the PP has sought the following corrigendum on the aforesaid EC:</p> <p style="padding-left: 40px;">In page No. 2 of 33, Page no. 3 of 33(in Point No.3) and Page No. 8 of 33, The survey number is mentioned as 459/B2(P) instead of 459/3B2(P).</p> <p>The subject was placed in this 692<sup>nd</sup> meeting of Authority held on 07.02.2024. After detailed discussions, the Authority decided to issue the corrigendum sought by the PP as follows:</p> <p style="padding-left: 40px;">The survey number mentioned as 459/B2(P) shall be read as 459/3B2(P) in the Lr. No. SEIAA-TN/ F.No.10187/ EC.No:6150/2023 dated:01.11.2023</p> <p>All the other conditions stipulated in the Lr. No. SEIAA-TN/ F.No.10187/ EC.No:6150/2023 dated:01.11.2023 remain unaltered.</p> |
| <p>20. Proposed Rough Stone &amp; Gravel quarry lease over an extent of 4.07.5 Ha (patta land) at S.F. Nos: 1/1, 1/2, 1/3 &amp; 4/1 of Pallakapalayam Village, Kumarapalayam Taluk, Namakkal District, Tamil Nadu by Thiru.K. Palanisamy -For Environmental Clearance (SIA/TN/MIN/289439/2022).</p> | <p>9467</p> | <p>The authority noted that the subject was earlier appraised in the 397<sup>th</sup> SEAC meeting held on 03.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. Subsequently, this subject was placed in the 648<sup>th</sup> Authority meeting held on 22.08.2023. After detailed discussions, the Authority decided to obtain additional details stated therein for further course of</p>   |



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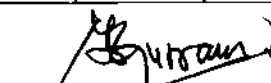
action. The PP had submitted a reply vide letter dated:16.11.2023. Hence, subject was placed in the 675<sup>th</sup> Authority meeting held on 23.11.2023. After detailed discussions, the Authority decided to obtain a Copy of valid mining lease approval letter obtained from the competent Authority

Now, the PP has submitted a reply vide letter dated:18.01.2024. The reply was placed in the 692<sup>nd</sup> authority meeting held on 07.02.2024.

After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of **1,20,800 m<sup>3</sup> of rough stone & 16,284 m<sup>3</sup> of Gravel up to the depth of 31.5m and the annual peak production should not exceed 29,270m<sup>3</sup> of rough stone.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.

  
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|  |  | <ol style="list-style-type: none"><li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</li><li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li><li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li><li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li><li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li><li>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the</li></ol> |
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|     |  |  | <p>Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 21. | <p>File No: 9990</p> <p>Proposed Rough Stone &amp; Gravel quarry over an extent of 1.18.5 Ha in S.F.No. S.F.Nos. 153/2, 3, 4A, 4B, 4C &amp; 5 of Veerapatti Village, Iluppur Taluk, Pudukottai District, Tamil Nadu by Thiru. P. Sabapathi- for Terms of Reference.</p> <p>The subject was placed in 692<sup>nd</sup> Authority meeting held on 07.02.2024. The authority noted that the subject was earlier appraised in 382<sup>nd</sup> SEAC meeting held on 09.06.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations, decided to <b>recommend the proposal for the grant of Terms of Reference (ToR)</b>.</p> <p>Subsequently, the proposal was placed in 632<sup>nd</sup> SEIAA meeting held on 21.06.2023 &amp; 22.06.2023.</p> <p>After detailed deliberations, the Authority decided to call for additional details</p> <p>1. The proponent has uploaded existing pit letter obtained from Assistant Director, G&amp;M, vide Rc.No.694/2022 (G&amp;M) Dated: 08.03.2023.</p> |  |   |

  
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| Sl. No. | Name and Address  | S.F.Nos.                                     | Extent | Collector's Proceedings                | Lease period             |
|---------|---|--|--------|--|--------------------------|
| 1.      | Thiru.Chidambara m, S/o.Dhanukodi, Iluppur Taluk, Pudukkottai District                            | 153/3  | 0.79.0 | Rc.No.3282/2002 (G&M) dated 19.01.2003 | 03.03.2003 to 02.03.2008 |
| 2.      | Thiru.Chidambara m, S/o.Dhanukodi, Iluppur Taluk, Pudukkottai District                            | 153/3  | 0.79.0 | Rc.No.360/2008 (G&M) dated 18.07.2008  | 07.10.2008 to 06.10.2013 |
| 3.      | Thiru.P.Sabapathi S/o.Palaniyandi, Seethapatty, Kilikudi post, Iluppur Taluk, Pudukkotti District | 153/2, 153/3, 153/4A, 153/4B, 153/4C & 153/5 | 1.18.5 | Rc.No.539/2017 (G&M) dated 28.07.2017  | 23.08.2017 to 22.08.2022 |

Hence, based on the above, it is ascertained that the proponent had obtained lease for a period of 5years from 23.08.2017 to 22.08.2022. Further, the proponent shall give details regarding whether EC was obtained from SEIAA-TN for the above-mentioned period. If so, copy of the same shall be submitted.

2. Further, the proponent may be requested to submit Certified Compliance Report obtained from IRO, MoEF&CC as per the OM Dated: 08.06.2022, if prior EC had been obtained from SEIAA-TN for the earlier lease period from 23.08.2017 to 22.08.2022.

**Upon the receipt of aforesaid details, further deliberation shall be done.**


Subsequently, proponent vide letter received by this office on 28.12.2023 submitted a reply. Based on the above, the proposal was again placed in 692<sup>nd</sup> SEIAA meeting held on 07.02.2024.

**Based on the documents furnished by the PP, Authority after detailed deliberation, 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 following conditions and the conditions mentioned in 'Annexure B' of this minute:**

1. The proponent shall submit the Certified Compliance Report, obtained from IRO, Chennai for the earlier EC obtained from DEIAA and the same shall be submitted along with EIA Report.



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22. Proposed Grey Granite quarry lease area over an extent of Extent 2.02.5 Ha at SF.No. 1022(P), 1023/2(P), 1024/2(P), & 1028(P) of Puligunda Village, Bargur Taluk (Formerly Krishnagiri), Krishnagiri District, Tamil Nadu by Thiru. T.R. Duraiselvam - For Environmental Clearance Amendment.

9722

The authority noted that the proponent had applied for amendment in Environmental Clearance in Form-4 vide SIA/TN/MIN/306829/2023 Dated: 30.11.2023.

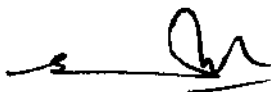
The Authority noted that the proponent had earlier obtained Environmental Clearance vide Lr.No.SEIAA-TN/F.No.9722/1(a)/EC.No: 5778/2023 dated: 16.05.2023 for the Proposed Grey Granite quarry lease area over an extent of Extent 2.02.5 Ha at SF.No. 1022(P), 1023/2(P), 1024/2(P), & 1028(P) of Puligunda Village, Bargur Taluk (Formerly Krishnagiri), Krishnagiri District, Tamil Nadu for a quantity of ROM – 3,000m<sup>3</sup>, Grey Granite 1,200 m<sup>3</sup> @ 40% recovery & Granite Waste – 1,800 m<sup>3</sup> @ 60% waste up to a depth of 28m BGL.

Subsequently, now the pp has applied for amendment and the details submitted by the PP in Parivesh portal are as follows

Details of Product (as per the approved EC)

| Details of Products |                                      |   |        |  |
|---------------------|--------------------------------------|---|--------|--|
| S.no                | Product / Activity (Capacity/ Area). | Quantity  | Unit   | Mode of Transport/ Transmission of Product |
| 1                   | Grey granite/2.02Ha                  | Rom-<br>3000Cu.m,<br>Recovery<br>40% -<br>1200Cu.m,<br>Waste 60%<br>- | Others | Road                                       |

Reasons for Amendment



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**Reasons for Amendment:** CTO issued for one year for the quantity mentioned in EC. Now the 2nd Scheme of Mining approved and the EC amendment requested for ROM - 80718Cubic metre and the conditions same as given in EC granted except the CER cost.

**11 Any Other Amendment required**

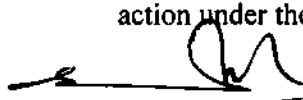
| Any Other Amendment Required |   |                                |                              |  |
|------------------------------|---|--------------------------------|------------------------------|--|
| S.no                         | Reference of Approved EC  | Description as per Approved EC | Description as per Proposal. | Remarks                                    |
| 1                            | Lr.No.SEIAA-TN/F.No.9722/1(a)/EC.No:5778/2023,<br>Dated: 16.05.2023 | ROM - 3000cubic metre          | ROM - 80718Cubic metre       | In TNPCB Hosur THE CTO issued for one year |

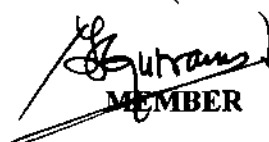
Based on the above facts and documents available in the Parivesh portal, Authority decided to forward the proposal to committee to examine the PP's request for amendment and shall furnish its remarks to SEIAA to take further course of action.

**Annexure 'A'**

**a) EC Compliance**

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

  
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**b) Applicable Regulatory Frameworks**

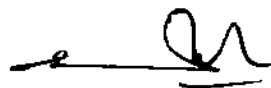
5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral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

**c) Safe mining Practices**

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

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

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.



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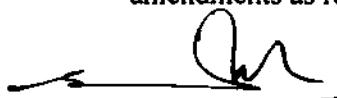
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance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

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

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

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

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

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

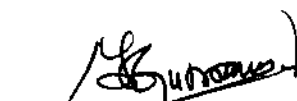
**g) Noise Environment – Protection and mitigation measures**

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

**h) Biodiversity - Protection and mitigation measures**

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing

  
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animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.

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

i) **Climate Change**

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

j) **Reserve Forests & Protected Areas**

44. The activities should provide nature based support and solutions for forest protection and wildlife conservation.
45. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.

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

**k) Green Belt Development**

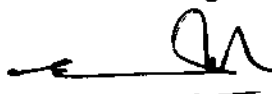
53. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.
54. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

**l) Workers and their protection**

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

**m) Transportation**

58. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in



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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.

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

n) **Storage of wastes**

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

o) **CER/EMP**

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

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

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

p) **Directions for Reclamation of mine sites**

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

65. The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original

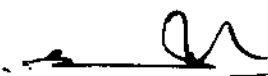
  
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status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.

66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
71. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
72. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
73. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various



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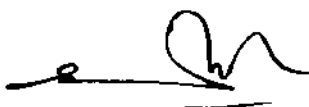
indigenous and local species may be broad casted after topsoil and treated overburden are spread.

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

**Annexure 'B'**

**Cluster Management Committee**

1. Cluster Management Committee shall be framed which must include all the proponents in the cluster as members including the existing as well as proposed quarry.
2. The members must coordinate among themselves for the effective implementation of EMP as committed including Green Belt Development, Water sprinkling, tree plantation, blasting etc.,
3. The List of members of the committee formed shall be submitted to AD/Mines before the execution of mining lease and the same shall be updated every year to the AD/Mines.
4. Detailed Operational Plan must be submitted which must include the blasting frequency with respect to the nearby quarry situated in the cluster, the usage of haul roads by the individual quarry in the form of route map and network.
5. The committee shall deliberate on risk management plan pertaining to the cluster in a holistic manner especially during natural calamities like intense rain and the mitigation measures considering the inundation of the cluster and evacuation plan.



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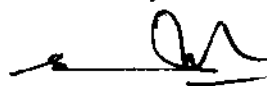
6. The Cluster Management Committee shall form Environmental Policy to practice sustainable mining in a scientific and systematic manner in accordance with the law. The role played by the committee in implementing the environmental policy devised shall be given in detail.
7. The committee shall furnish 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**

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.



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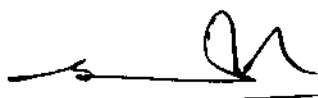
17. Action should specifically suggest for sustainable management of the area and restoration of ecosystem for flow of goods and services.
18. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.

#### **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.
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.



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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**

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**

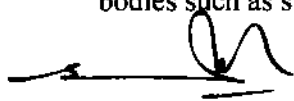
37. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.

**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.



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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

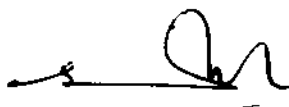
1. The proponent shall adopt strategies to decarbonize the building.
2. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
3. The proponent shall adopt strategies to reduce temperature including the Building Façade.
4. The proponent shall 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.



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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**

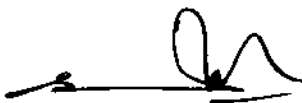
17. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary 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.



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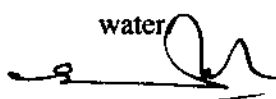
24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.
25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb 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**

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

  
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39. The project proponent shall adhere to storm water management plan as committed.

**Parking**

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

**Solid waste Management**

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

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

**EMP**

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

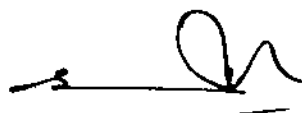
44. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.

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


**Others**

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

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



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**Annexure - 'D'**

1. Impacts on Energy requirement.
2. Impacts on living System (air ,water ,soil & micro organism).
3. Impacts on terrestrial & aquatic within and surrounding areas.
4. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the CER activities as committed with the action plan.
5. All the construction of Buildings shall be energy efficient and confirm to the green building norms.
6. The proponent shall provide adequate parking facility for vehicles of all the workers & visitors.
7. The proponent shall ensure that no treated or untreated trade effluent/sewage discharged outside the premises under any circumstances.
8. The disaster management and disaster mitigation standards to be seriously adhered to avoid of calamities.
9. The proponent shall provide the action taken for reduction of green house gas emissions to support the climatic action to make it sustainable buildings.
10. The project proponent shall furnish the action taken to provide adequate parking space for 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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| Agenda No | Description  | File No. | Minutes  |
|-----------|--|----------|--|
| 1.        | Proposed of Black Granite lease over an extent of 1.00.0H at S.F.No.99/3A1(Part) of Nammandahalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by Thiru.K.S.Thanikachalam Kumar - for Environmental Clearance                                      | 7457     | <p>Based on the NGT court order (SZ) (Appeal No.35 of 2023), which states that,</p> <p><i>"..... The impugned rejection order passed by the 1<sup>st</sup> Respondent/SEIAA Tamil Nadu vide Letter No.SEIAA-TN/F.No. 7457/2022 dated 23.06.2023 is set aside and remitted back to the SEIAA- Tamil Nadu for fresh consideration.</i></p> <p><i>The SEIAA Tamil Nadu is directed to reconsider the appellant's proposal bearing Proposal No.SIA/TN/MIN/131794/2019 dated 16.12.2019 afresh by affording an opportunity of personal hearing to the appellant within a period of 4 (Four) weeks from the date of this order and pass appropriate orders".</i></p> <p>In the view of the above, Authority after detailed deliberation decided to forward the court direction to SEAC for further course of action and direction.</p> |
| 2.        | Proposed Black Granite (Dolerite) quarry lease over an extent of 3.06.0 Ha in S.F.Nos 22/1, 23/1, 2, 24/7, 8, 25/1 and 25/2 of Semmedu Village, Vikravandi Taluk, Viluppuram District, Tamil Nadu by M/s. Stone Trust Enterprises – for Environment Clearance. | 9641     | <p>The authority noted as follows:</p> <p>Based on the order dated 06.02.2024 passed by the Hon'ble National Green Tribunal, Southern Zone, Chennai in Appeal No. 38 of 2023, which states that,</p> <p><i>"As the impugned order has been passed based on the decision taken by the previous committee in its 136th meeting held on 21.09.2019 apparently there is no appraisal done afresh based on the proposal dated 13.12.2022. Therefore, it would be appropriate to set aside the impugned order dated 13.12.2022 passed by SEIAA and the same is</i></p>   |

  
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*remitted back to SEIAA for fresh consideration of the proposal no. 9641 dated 13.12.2022 afresh after according an opportunity of personal hearing to the appellant within a period of 04 weeks without influenced by any of the comments made in this order."*

In view of the above, the Authority after detailed deliberations decided to forward the court direction to SEAC for further course of action and direction.



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