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MINUTES

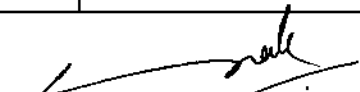
657thMEETING

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

Date:25.09.2023

**MINUTES OF THE 657th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 25.09.2023.**


Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 656 th meeting of the Authority held on 20.09.2023.		The minutes of the 656 th meeting of the Authority held on 20.09.2023 was confirmed.
b)	The Action taken on the decisions of the 656 th meeting of the Authority held on 20.09.2023.		The Member Secretary informed that 656 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	Existing of hot steel rolling mill S.F. No. 273/2 & 273/3 of Irukkur Village, Paramathi Valur Taluk, Namakkal District, Tamil Nadu by M/s. Sri Kamala Ganapathy Steel Rolling Mills - for Terms of Reference. (SIA/TN/IND1/434295/2023)	10209	<p>The authority noted that this proposal was placed for appraisal in 406th meeting of SEAC held on 01.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing for preparation of detailed EIA report subject to the conditions as recommended by SEAC & normal conditions.</p> <ol style="list-style-type: none"> 1. The proponent shall submit life cycle assessment, & Ecological risk assessment. 2. The proponent shall submit impact on vegetation biodiversity, terrestrial/ agricultural ecosystem, Water table, Material flow analysis cost benefit analysis & community health around the proposed industries. 3. Technologies for reduction in coal to control carbon emission. 4. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint, Green House Gas (GHG), CO₂ and rise in temperature.

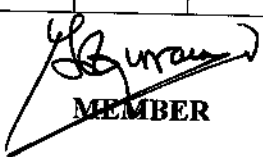

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| | | <ol style="list-style-type: none"> 5. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted. 6. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures. 7. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment. 8. Details regarding the transparency and accountability system in place during the operation period of the project. 9. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment. 10. 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. 11. 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. 12. If the project activity includes disposal of waste/rejects into landfill, the proponent shall furnish details on the strategies adopted to manage the same. 13. The proponent shall study the ways of improving recycling efficiency. 14. The proponent shall furnish the details |
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			<p>about the radioactive contaminations related to the project.</p> <p>15. The proponent shall furnish details about the management of quenching water.</p> <p>16. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>17. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human health.</p> <p>18. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</p> <p>19. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</p> <p>20. The green belt area should be not less than 15% of the total land area of the project.</p> <p>21. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</p> <p>22. The proponent shall conduct a study and furnish details on the impact of the project on the communities in and around the project area.</p> <p>23. The proponent shall furnish details on the impact on employee health due to the project activities.</p>
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2.	Proposed Construction of Building at S.F.No. 368/1B of Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by Thiru. C. Sukumaran- For Environmental Clearance. (SIA/TN/INFRA2/430311/2023)	10210	<p>The Authority noted that the subject was appraised in the 406th SEAC meeting held on 01.09.2023. 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 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"> 1. PP shall submit the commitment letter from the local body for supply of fresh water. 2. The PP shall submit Demolition certificate for the existing building. 3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
3.	Proposed Construction of Residential Building - Non-High-Rise Group Development at S.F.No.1/1A1B, 1/1A1C, 1/1A1D, 1/1A1E, 1/1C1B, 1/1C1C, 1/4A2, 1/5A, 1/39, 1/40, 1/41, 1/42A, 1/42B, 1/70, 1/71, 1/106 of Moulivakkam Village & S.F.No. 166/5 of Koluthuvanchery Village, Kundrathur Taluk, Kancheepuram	10222	<p>The Authority noted that the subject was appraised in the 406th SEAC meeting held on 01.09.2023. Based on the presentation and document furnished by the proponent, SEAC decided to call for the following additional details,</p> <ol style="list-style-type: none"> i) The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body/TWAD. ii) The proponent shall furnish NOC for flood


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	<p>District, Tamil Nadu by M/s. Casagrand Fresh Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/435637/2023)</p>		<p>inundation point of view obtained from the Competent Authority/PWD since the site is very close to Porur lake.</p> <p>iii) The PP shall furnish Geo-Technical report to analyse percentage of clay soil to ensure foundation capability.</p> <p>iv) The PP shall furnish details of soil strata viz depth of clay & depth of weathered rock to provide efficient storm water management system.</p> <p>v) The PP shall furnish details regarding parking area provided and detailed traffic congestion study.</p> <p>vi) The PP shall furnish NOC of Airport authority for Height Clearance.</p> <p>vii) The PP shall furnish structural stability certificate from the Competent Authority since the site is very close to Porur lake.</p> <p>viii) The PP shall furnish revised CER details.</p> <p>On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 01.09.2023.</p>
4.	<p>Existing Re-rolling Mill with the production Capacity of 65,040 T/Annum at S.F.No.8/9, 3/1D(P),</p>	10228	<p>The Authority noted that the subject was appraised in the 406th SEAC meeting held on 01.09.2023. Based on the Notification,</p>


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3/1E(P), 22/1A, 22/1B & 22/1C of Vaalavanthi East Village, Musiri Taluk, Trichy District, Tamil Nadu by M/s. Arise Industries and Agency Private Limited - For Terms of Reference.

(SIA/TN/IND1/436908/2023)

presentation and documents furnished by the project proponent, SEAC decided to obtain following details from the PP and EIA Coordinator.

1. The PP and EIA Coordinator shall furnish an explanation for not disclosing the fact that the existing industry involves manufacturing of MS Billets which is captive to the rolling unit which produces steel products such as cold twisted deformed Bars, TMT Bars, Flats, Angles, Rounds & Squares with production quantity of 5420 Tons/Month.
2. The PP shall furnish all the CTE and CTO copy obtained from the TNPCB so far in the chronological order.
3. The PP shall furnish if Environmental Clearance was obtained for the proposed activity. If so, the PP may also submit Certified compliance report obtained from IRO, MoEF&CC.
4. If EC was not obtained for the above, the existing industrial unit had been operating without a valid Environmental Clearance as per the schedule 3(a) – Metallurgical Industries (Ferrous & Non-ferrous) of EIA Notification, 2006. Hence, the existing unit will have to be treated as a violation case.

On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing

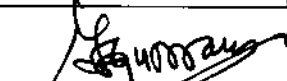

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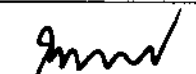

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			<p>which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 01.09.2023.</p>
5.	<p>Proposed construction of Multi Storied Commercial Building (single block with a Basement + Stilt Floor+18 Floors) at S.No. 51/1B1A1A1 & 51/18 of Seewaram village, Sholinganallur Taluk, Kancheepuram District, Tamil Nadu by Mr. Chenaram Seni -For Environmental Clearance. (SIA/TN/MIS/111075/2019)</p>	6960	<p>The Authority noted that the subject was appraised in the 406th SEAC meeting held on 01.09.2023. 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 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"> 1. PP shall submit the commitment letter from the local body for supply of fresh water. 2. The PP shall frame Environmental policy and Environmental management team and the same shall submitted. 3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. 4. The project proponent shall furnish layout plan for the green belt proposed within the site. <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
6.	<p>File No: 9416</p> <p>Proposed Captive Resin plant with a Production Capacity of 21250 kg/day for Manufacturing of Plywood & Block Boards of 4329 MT/month at S.No. 139/2A2, 139/2B, 139/3, 140/1A2, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 140/7, 140/8, 146/1, 146/3B & 146/4 of Panchalam Village, Tindivanam Taluk, Villupuram District Tamil Nadu by M/s. HG Industries Limited (HGIL) - For Environmental Clearance. (SIA/TN/IND3/425579/2023)</p> <p>The Authority noted that the subject was appraised in the 406th SEAC meeting held on 01.09.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein.</p>		


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After detailed discussions, the Authority noted the following,

1. Notification issued by MoEF&CC from time to time

As per EIA Notification 2006 S.O. 1533 (E) Dated: 14.09.2006, under 3(a) in the schedule,

(1)	(2)	(3)	(4)	(5)
"5(f)	Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)	Located outside the notified industrial area/ estate	Located in a notified industrial area/ estate	"General as well as specific condition shall apply."

2. As per Notification S.O. 1599 (E) Dated: 25.06.2014, S.O. 1223 (E) Dated: 27.03.2020, S.O. 3636 (E) Dated: 15.10.2020 for item 5(f) and the entries relating thereto, the following item and entries shall be substituted, namely; -

(1)	(2)	(3)	(4)	(5)
"5(f)	Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)	Located outside the notified industrial area/ estate except small units as defined in column (5)	(i) Located in a notified industrial area/ estate. (ii) Small units as defined in column (5)	"General as well as specific condition shall apply." Small units: with water consumption <25 m ³ /day, fuel consumption <25 TPD and not covered in the category of MAH units as per the Management, Storage and Import of Hazardous Chemical Rules, 1989. All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API), received up to the 30th March 2021, shall be appraised, as Category 'B2' projects, provided that any subsequent amendment or expansion or change in product mix, after the 30th March 2021, shall be considered as per the provisions in force at that time."

3. The proponent had obtained CTE from TNPCB vide 2101240864569 Dated: 25.10.2021 and


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CTO from TNPCB vide consent order No.2304253037518 Dated: 29.05.2023 for the Manufacturing of Flush Door, Plywood and Block Boards with production quantity of 23 Tons/month, 3660 Tons/month and 22 Tons/month respectively at S.F.No. 139/2A2, 139/2B, 139/3, 140/1A2, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 140/7, 140/8, 146/1, 146/3B & 146/4 of Panchalam Village, Tindivanam Taluk, Villupuram District, Tamil Nadu with STP capacity of 20 KLD validity up to 31.03.2025.

4. Subsequently, The PP had submitted an online application for obtaining EC for the Proposed Captive Resin plant with a Production Capacity of 21250 kg/day for Manufacturing of Plywood & Block Boards of 4329 MT/month at S.No. 139/2A2, 139/2B, 139/3, 140/1A2, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 140/7, 140/8, 146/1, 146/3B & 146/4 of Panchalam Village, Tindivanam Taluk, Villupuram District Tamil Nadu to the existing plywood Industry under 5(f) category.
5. Further, the S.F.Nos of both the existing and proposed activity were compared and it was ascertained as follows

S.No	Description	Existing Plywood Industry as per the CTO obtained from the TNPCB	Proposed Captive Resin plant (EC attracting)
1.	S.F.No	139/2A2, 139/2B, 139/3, 140/1A2, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 140/7, 140/8, 146/1, 146/3B & 146/4	139/2A2, 139/2B, 139/3, 140/1A2, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 140/7, 140/8, 146/1, 146/3B & 146/4

Hence, The proposed EC attracting industry is within the same premises of existing manufacturing of plywood industry. Hence, the proposed activity has to be considered as one single industry.


6. The PP had obtained CTE on 25.10.2021 and CTO on 29.05.2023. Subsequently, the proponent had submitted google imaginary pertaining to 14.06.2022.

Conclusion:

1. The proposed resin plant is captive to manufacturing of Plywood Industry which is within the same premises as the Existing Industry. Hence, the proposed activity and existing manufacturing plywood industry has to be considered as one single industry.
2. Further, the STP for which existing industrial activity approved by TNPCB vide consent order No. 2304153037518 dated:29.05.2023 was for 20 KLD. Now, the PP is proposing fresh water requirement for 127 KLD. Hence, the proposed activity requires more than 25 KLD of fresh water.
3. Further, the PP had submitted in the PPT as well as the proposal in the parivesh portal, pertaining to the google imaginary 14.06.2022. Subsequently, the PP had obtained CTO vide consent order No. 2304153037518 on 29.05.2023. Hence, from the above it is ascertained that the PP had set up the industry. Even though google satellite imaginary is available only upto 14.06.2022, the PP could have given a photograph/videography of the existing industry since the site condition is completely different from 14.06.2022 and as on today.
4. Further, as per the EIA Notification, S.O. 1599 (E) Dated: 25.06.2014, only small units as defined under column (5) shall be considered under category 'B'. Based on the water


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	<p>requirement details provided by the PP, fresh water requirement is 127 KLD which is greater than 25 m³/day as per EIA Notification.</p> <p>Hence, In view of the above facts, after detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN and SEAC shall examine the following points and shall furnish its recommendations to SEIAA.</p> <ol style="list-style-type: none"> 1. The water requirement is more than 25 KLD, Hence, SEAC shall examine whether the proposed industrial activity will fall within small units as defined in Column (5) of EIA Notification as amended. 2. The PP has not furnished the actual site condition in the form of photograph/videography. Hence, the PP shall give an explanation regarding not furnishing the present existing site conditions with the existing setup. 3. The PP may also be directed to furnish the actual site condition with drone video & Photograph covering the proposed activity with clearly demarcating the existing manufacturing of Plywood Industry & the site where the resin plant captive to the existing Industry which the PP is proposing to establish. 4. Detailed DPR may be called for and assessed. 5. The complete process flow with details of proposed Industry may be called for and stagewise input and output may be studied. 6. The Energy and fuel consumption of the industry may be studied. 	
7.	<p>Existing Steel plant at S.F.Nos. 10211 308/1G2, 309/1A, 316/1F1 & 316/1F2 of Devanampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by M/s. Garuda Steels - For Terms of Reference. (SIA/TN/IND1/436035/2023)</p>	<p>The Authority noted that the subject was placed in the 406th meeting of SEAC held on 01.09.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference for the EIA study subject to the conditions stated therein. The Authority after detailed discussion accepted the recommendation of SEAC and decided to issue Terms of Reference for the EIA study subject to the following conditions:</p> <ol style="list-style-type: none"> 1. The proponent shall submit life cycle assessment, & Ecological risk assessment. 2. The proponent shall submit impact on vegetation biodiversity, terrestrial/agricultural ecosystem. Water table, Material flow analysis cost benefit analysis & community health around the proposed industries. 3. Technologies for reduction in coal to control carbon emission. 4. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint. Green House Gas (GHG), CO₂ and rise in temperature. 5. Details regarding strategies adopted for


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occupational health safety and energy efficiency standards shall be submitted.

6. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures.
7. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment.
8. Details regarding the transparency and accountability system in place during the operation period of the project.
9. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment.
10. 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.
11. 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.
12. If the project activity includes disposal of waste/rejects into landfill, the proponent shall furnish details on the strategies adopted to manage the same
13. The proponent shall study the ways of improving recycling efficiency.
14. The proponent shall furnish the details about the radioactive contaminations related to the project.


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			<p>15. The proponent shall furnish details about the management of quenching water.</p> <p>16. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory Impacts, toxicity impacts and radiation impacts.</p> <p>17. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human health.</p> <p>18. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</p> <p>19. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</p> <p>20. The green belt area should be not less than 15% of the total land area of the project.</p> <p>21. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</p> <p>22. The proponent shall conduct a study and furnish details on the Impact of the project on the communities in and around the project area</p> <p>23. The proponent shall furnish details on the impact on employee health due to the project activities.</p>
8.	Existing Area Development Project at S.No:179B, 209/2B, 209B/3, 210/2B, 210/3, 213, 214, 302/2, 304, 305/1,	10217	The Authority noted that the subject was placed in the 406 th meeting of SEAC held on 01.09.2023 and the SEAC has furnished its recommendations


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<p>306/2, 307, 308, 309, 311/2A, 311/2B, 377, 379, 382, 383, 384, 385/2, 385/3, 395/1, 395/2, 395/3, 396, 397/1, 397/2, 399/1, 399/2, 400, 401/1, 401/2, 402, 403, 404, 405/1, 405/2, 406, 407, 408, 409, 410/1, 410/2, 411, 412, 413, 414/1, 414/2, 415, 416, 420, 421/1, 422, 423, 424, 425/1, 425/2, 427, 430, 431, 432, 433, 435, 436/1, 436/2, 436/3, 436/4, 437, 438/1, 439/1, 442/1, 443/1, 443/2, 426, 428, 429 of G.Kallupatti, Ganguvarpatti Village, Periyakulam Taluk, Theni District, Tamil Nadu by M/s. Bahri Estates Private Limited– Terms of Reference for EIA study under violation category. (SLA/TN/INFRA2/MIS/436311/2023)</p>	<p>for the grant of Terms of Reference for the EIA study under violation category subject to the conditions stated therein. The Authority after detailed discussion decided to seek the following additional details from the PP:</p> <ol style="list-style-type: none"> 1. Remittance details of Environment Compensation of Rs.3,00,00,000/- (Rupees Three Crore only) to the Tamil Nadu Pollution Control Board within a period of 3 (Three) Months as directed by the Hon'ble National Green Tribunal (SZ) vide its order dated 01.08.2022. 2. Action plan prepared by the Tamil Nadu Pollution Control Board in coordination with the District Collector – Theni District for carrying out the restoration or remediation activities (if any) required in that area as directed by the Hon'ble National Green Tribunal (SZ) vide its order dated 01.08.2022. 3. Mitigation measures suggested by the National Board for Wildlife to minimize the impact of the project activity on Kodaikanal Bird Sanctuary and the same shall be carried out by the PP under the supervision of the Principal Chief Conservator of Forest or an officer not below the rank of Chief Conservator of Forest and Chief Wildlife Warden as designated by the Principal Chief Conservator of Forest (HoFF) and Chief Wildlife Warden, State of Tamil Nadu, as directed by the Hon'ble National Green Tribunal (SZ) vide its order dated 01.08.2022. 4. MS-SEIAA TN to address the Principal Chief
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			<p>Conservator of Forest requesting him to furnish the status of compliance of the Mitigation measures suggested by the National Board for Wildlife to minimize the impact on Kodaikanal Bird Sanctuary.</p> <p>5. NOC obtained from the District Forest Officer, Kodaikanal Forest Division for total land area of the project site.</p> <p>6. DTCP approval obtained for the project and copy of land documents for all the survey numbers of the project site.</p> <p>7. Details of all the water bodies located in/ passing through the project site.</p>
9.	<p>Proposed expansion of existing Steel plant at S.F.Nos. 352, 353/1,2, 379/1pt, 379/2pt, 380pt, 382/1pt, 382/3 pt, Nallur Village & S. F. No. 50/1pt of Kunnamalai Village, Paramathi Velur Taluk, Namakkal District, Tamil Nadu by M/s. Sri Vela Smelters Private Limited - For Terms of Reference. (SIA/TN/IND1/436733/2023)</p>	10223	<p>The Authority noted that the subject was placed in the 405th meeting of SEAC held on 31.08.2023 and the SEAC has deferred it to a later date.</p>
10.	<p>Proposed Construction Project at Plot No: S.F.Nos 547/1A2, 547/2A2, 549/1, 550/2B, 554/1, 554/2A, 554/2B, 554/3, 556/5A, 556/5B, 556/5C1 and 556/6D2 Vadavalli Village, Perur Taluk, Coimbatore District, Tamil Nadu by M/s. Sree Daksha Property Developers (India) Pvt. Ltd - For Environmental</p>	10234	<p>The Authority noted that the subject was placed in the 406th meeting of SEAC held on 01.09.2023 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 discussion after detailed discussion decided to seek the following additional details from the PP:</p> <p>1. The PP shall obtain fresh water supply</p>


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	<p>Clearance (SIA/TN/INFRA2/437430/2023)</p>		<p>commitment letter and disposal of excess treated water from the local body /Metro Water/TWAD.</p> <ol style="list-style-type: none"> 2. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed and the same shall be furnished. 3. The company shall have a well laid down environmental policy duly approved by the Board of Directors. 4. The PP shall furnish NOC of Airport authority for Height Clearance. 5. The PP shall furnish the biodiversity study report for the Rivulet traversing through the projects site and details of the government department that maintains the said Rivulet.
<p>11.</p>	<p>Proposed Change in Product Mix and Expansion within Existing Pharmaceutical Unit with a capacity of 0.26413 T/M over an extent of 0.749 ha at S.No.157 and 158, Plot No.111, SIDCO Industrial Estate, Kakkalur Village, Thiruvallur Taluk, Thiruvallur District by M/s. Nuray Chemicals Pvt. Ltd - For Environmental Clearance. (SIA/TN/MIN/436865/2023)</p>	<p>9307</p>	<p>The proposal was placed in the 406th SEAC Meeting held on 01.09.2023.</p> <p>Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Authority after detailed deliberation, decided to call for additional details</p> <ol style="list-style-type: none"> 1. The proponent shall furnish the details regarding research and development products involved among the proposed expansion products. Further, the proponent shall furnish the details regarding nature, derivatives involved and the impact of the product with respect to air, water, land and soil and its mitigation measures.


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			<ol style="list-style-type: none"> 2. The proponent shall submit permanent water commitment letter obtained from local body/TWAD/Municipality etc., 3. The proponent shall submit valid safety licenses from the concerned department for boiler, solvent/fuel/raw material storage areas etc., 4. The proponent shall furnish the photographic evidence of tanks, tank farms, drums, carboys etc. established to store the Hazardous chemicals. Further, flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps and all the above-mentioned measures provided must be submitted in the form of photographs. 5. The proponent shall establish a full-fledged laboratory facility to carry out the Environment management and monitoring functions and the same shall be furnished in the form of photographs and evidence for monitoring carried out shall also be submitted. <p>Upon the receipt of the above-mentioned details, further deliberation shall be done.</p>
12.	Proposed Expansion of Steel Melting Shop & Rolling Mill located at S.No. 329/2, 3, 4, 5, 7 of Vellalagundam Village, Vazhappadi Taluk, Salem District by M/s. Sree Jayamurugan Alloys Private Limited - For Terms of Reference.	10206	<p>The proposal was placed in the 406th SEAC Meeting held on 01.09.2023.</p> <p>The Committee decided to defer the proposal and take up for discussion in the ensuing meeting.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member</p>


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	(SIA/TN/MIN/435680/2023)		Secretary to communicate the minutes of 406 th SEAC Meeting held on 01.09.2023 to the project proponent.
13.	Proposed Expansion of existing Billets manufacturing facility from 26,400 Tons/Annum to 1,57,680 Tons/Annum located at S.No. 289/1A, 1B, 1C, 342/4, 5, 6B2, 343/4B, 5B & 6 of Madharpakkam Village, Gummidipoondi Taluk, Tiruvallur District by M/s. Kevin Steels Private Limited - For Terms of Reference. (SIA/TN/MIN/436890/2023)	10230	<p>The proposal was placed in the 406th SEAC Meeting held on 01.09.2023.</p> <p>Based on the presentation and documents furnished by the proponent, committee noted the following</p> <ol style="list-style-type: none"> 1. The proposed site is at a distance of 9.93 Km from Pulicat Birds Sanctuary. 2. The proposed site is at a distance of 4.59Km from Tamil Nadu – Andhra Pradesh border. <p>Further, as per EIA Notification 2006, projects/activities covered under 3(a) Metallurgical industries (ferrous & non-ferrous) attracts General Conditions.</p> <p>Further, as per EIA Notification, 2006 S.O. 1599 (E) dated 25.06.2014, which states as follows</p> <p>General Condition (GC):</p> <p><i>Any project or activity specified in Category 'B' will be treated as Category A, if located in whole or in part within 5 km from the boundary of: (i) Protected Areas notified under the Wild Life (Protection) Act, 1972, (ii) Critically Polluted areas as identified by the Central Pollution Control Board from time to time, (iii) Eco-sensitive areas as notified under the Water (Prevention and Control of Pollution) Act, 1974 from time to time, and (iv) inter-State boundaries</i></p>


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and international boundaries: Provided that for River Valley Projects specified in item 1(c), Thermal Power Plants specified in item 1(d), Industrial estates/parks/complexes/areas, export processing zones (EPZs), Special Economic Zones (SEZs), biotech parks, leather complexes specified in item 7(c) and common hazardous waste treatment, storage and disposal facilities (TSDFs) specified in item 7(d), the appraisal shall be made at Central level even if located within 10km.

Provided further that the requirement regarding distance of 5Km or 10 km, as the case may be, of the inter-State boundaries can be reduced or completely done away with by an agreement between the respective States or U. Ts sharing the common boundary in case the activity does not fall within 5 Km or 10 Km, as the case may be of the areas mentioned at item (i), (ii) and (iii) above."

Based on the above facts furnished and EIA Notification, the proposed site falls within 5 Km of the inter-state boundary and hence, *any project or activity specified in Category 'B' will have to be treated as Category A.*

Hence, the committee decided to direct the proponent to approach MoEF&CC, since the proposal has to be treated as category 'A' and the current file shall be closed and recorded.

In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 406th


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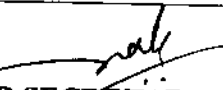
			SEAC Meeting held on 01.09.2023 to the project proponent.
14.	Proposed Re-Rolling Mill with the Production capacity of 25,200 Tons/Annum located at S.No. 303/1, 303/2, 303/3, 303/4, 303/5, 303/8, 303/9, 303/10, 303/11 & 303/12 of Poothagudi Village, Viralimalai Taluk, Pudukottai District by M/s. Abhinava Metaliks Private Limited - For Terms of Reference. (SIA/TN/MIN/437250/2023)	10249	<p>The authority noted that the subject was appraised in 406th SEAC meeting held on 01.09.2023.</p> <p>Based on the presentation made by the proponent SEAC recommended grant of Terms of Reference (TOR) with Public Hearing.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) with Public Hearing 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.</p> <ol style="list-style-type: none"> 1. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint, Green House Gas (GHG), CO2 and rise in temperature. 2. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted. 3. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures. 4. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment. 5. Details regarding the transparency and accountability system in place during the

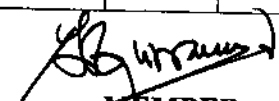

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		<p>operation period of the project.</p> <ol style="list-style-type: none"> 6. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment. 7. Detailed study is to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production and the report shall be submitted. 8. Through a chart Illustration, clarify the cradle-to-grave approach for anticipated emissions and environmental threats in every stage, and the mitigation strategy at every stage shall be submitted. 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. 10. The proponent shall study the ways of improving recycling efficiency. 11. The proponent shall furnish the details about the radioactive contaminations related to the project. 12. The proponent shall furnish details about the management of quenching water. 13. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 14. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human health. 15. The proponent shall strictly adhere to the
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			<p>mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</p> <p>16. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</p> <p>17. The green belt area should be not less than 15% of the total land area of the project.</p> <p>18. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</p> <p>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.</p> <p>20. The proponent shall furnish details on the impact on employee health due to the project activities.</p>
15.	Proposed Expansion of IT Park at S.F.Nos. 20-109/1 of Vallancheri Village, S.No.1-3 & 153-155 of Potheri Village & S.No.35 Thailavaram Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s. Estancia IT Park Private Limited – For Terms of Reference (SIA/TN/INFRA2/407644/2022)	10231	The authority noted that the subject was appraised in the 406 th SEAC meeting held on 01.09.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to grant Terms of Reference (TOR) under Violation category to the project, subject to the TORs stated therein, in addition to the standard terms of reference for EIA study and details issued by the MOEF & CC to be included in the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference


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			<p>issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'D'.</p>
16.	Proposed Expansion of Steel Melting plant & Steel Rolling Mill at S.F.Nos.304/1, 304/2, 305/1 & 306 of Chennimalai Village, Perundurai Taluk, Erode District, Tamil Nadu by M/s. Sree Palani Andavar Alloys and Steels Private Limited – Terms of Reference. (SIA/TN/IND1/436633/2023)	10250	<p>The authority noted that the subject was appraised in the 406th SEAC meeting held on 01.09.2023. The Committee has decided to defer the proposal and take up for discussion in the ensuing meeting.</p> <p>The Authority noted the minutes of SEAC.</p>
17.	Proposed Construction of Fintech Tower at Fintech City at plot no S7, Survey No: 122, 123, 125, 126, 131/1, 132, 134 of Nandambakkam Village, Alandur Taluk, Chennai District, Tamil Nadu by M/s. Tamil Nadu Industrial Development Corporation	10097	<p>The authority noted that the proponent has applied for Corrigendum in EC issued vide Lr.No.SEIAA-TN/F.No.10097/EC/8(a)/949/2023 dated 14.06.2023.</p> <p>In the view of the above, Authority after detailed deliberation decided to forward the proponent's request to SEAC.</p>


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	Ltd (TIDCO) - For Environmental Clearance Amendment.		
18.	Proposed Rough stone quarry over an extent of 4.80.0Ha in SF.No. 755 (Part-2) at Panichakshipuram Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s.MM Blue Metals - For Environmental Clearance Extension. (SIA/TN/MIN/301780/2023)	5354	<p>The authority noted that this proposal was placed for appraisal in 395th meeting of SEAC held on 27.07.2023. Based on the presentation made by the PP, the SEAC recommend the proposal for 'automatic extension to the respective increased validity' as per the OM issued by the MoEF &CC. In view of the above, the authority raised ADS. The PP has now submitted reply for SELAA ADS. The reply was placed in 657th authority meeting held on 25.09.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects, and to ensure sustainable, scientific and systematic mining, considering agricultural fields nearby SEIAA decided to grant Environmental Clearance Extension for the quantity of 2,00,804m³ of Rough stone up to the depth of mining 27m and the annual peak production should not exceed 47,748m³ of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by


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			<p>District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
19.	Proposed Gravel & Laterite quarry Lease over an extent of 4.28.5 Ha at	9709	Earlier, the subject was placed in the 618 th authority meeting held on 16.05.2023. The


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<p>S.F.No. 220/5A3 in Naduveerapattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. C. Murali – For Environmental Clearance.</p>	<p>authority noted that the subject was appraised in the 371st SEAC meeting held on 26.04.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, after detailed deliberations decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <ol style="list-style-type: none"> i) The proponent shall furnish a letter obtained from the Director, TN Agricultural Department regarding the productivity of the site and it's non-fitness for agriculture so as to carry out laterite/gravel mining in the project site which is surrounded by agricultural lands. ii) The impact of laterite/gravel mining on the water table around the project site. iii) The proponent shall furnish details of vegetation/biodiversity present in the project site. <p>The proponent, vide letter dated.14.09.2023 furnished a reply for the above queries/details requested in the 618th authority meeting.</p> <p>The Authority after examining the reply/details furnished by the proponent and also taking into account the recommendations of SEAC, the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 40,630m³ of gravel & 4514m³ of laterite up to the depth of 2m below ground level and the annual peak production should not exceed 20,520m³ of gravel. This is also subject to the</p>
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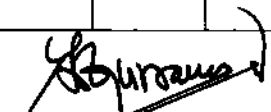

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		<p>conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the
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			<p>respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
20.	<p>Proposed Name change amendment in Eariler EC from M/s. Lovely Chemicals to M/s. Ramco Cements Limited at S.F.No.329/1, 330/6,etc in Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi Districtby M/s. Ramco Cements Limited.</p>	408	<p>The authority noted the following:</p> <ol style="list-style-type: none"> 1. Environmental Clearance was issued to the project proponent M/s. Lovely Chemicals for the proposed expansion in production/enhancement in mining of limestone from 52,725 TPA to 62,500 TPA in mining lease area of 7.350 Ha at S.Nos.329/1, 330/6, 331/2, 334/1, 334/3, 334/4, 335/5, 335/6, 335/7B, 345/1, 345/4, 345/5 of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District vide Lr.No. SEIAA-TN/F.No. 408/1(a)/EC-1062/2014 dated.18.02.2014. 2. Subsequently, the proponent has obtained an amendment in validity in the Environmental Clearance issued vide Lr.No.SEIAA-TN/F.No.408/1(a)/ EC-Amdnt/2014 dated.01.04.2015. 3. Later, the lease has been transferred from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited vide G.O. Ms

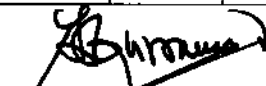

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		<p>No.145 dated.19.07.2019.</p> <p>4. Hence, M/s. The Ramco Cements Limited, has submitted an application in Form – 7 in the PARIVESH Portal vide Proposal No. SIA/TN/MIN/209977/2021 for transfer of EC in the name of M/s. The Ramco Cements Limited from M/s. Lovely Chemicals.</p> <p>5. The name transfer request was placed in the 596th meeting of Authority held on 22.02.2023 & 23.02.2023. The Authority noted that the earlier EC dated.18.02.2014 was given for an extent of 7.35.0 Ha whereas while transferring the lease, the extent was reduced to 7.34.0 Ha.</p> <p>In this regard, the authority decided that the proponent's request for transfer of EC from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited cannot be processed as there is a reduction of extent in the lease.</p> <p>Accordingly, the proponent (M/s. Lovely Chemicals) was requested to apply for amendment (Form – 4) in online through PARIVESH portal and subsequently name transfer shall be processed.</p> <p>6. Subsequently, the proponent has submitted an application in the PARIVESH Portal in Form - 4 vide Proposal No. SIA/TN/MIN/303597/2023 seeking amendment in the EC dated. 18.02.2014 for amending the mine lease area from 7.35.0 Ha to 7.34.0 Ha stating that the</p>
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			<p>small variation observed is attributable to the error involved in the conversion of the lease area from acres to hectares.</p> <p>In view of the above, the authority after detailed deliberations, decided to process the proponent's request of amendment and name transfer after obtaining the following details from the proponent:</p> <p>i) The project proponent shall submit a Certified Compliance Report as per the MoEF&CC O.M dated.08.06.2022 for the previous EC obtained from SEIAA-TN dated.18.02.2014.</p> <p>ii) The proponent shall submit a copy of the latest scheme of mining approved by IBM.</p>
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21. File No: 9932

Proposed Expansion for the Construction of Group development at S.F.No. 318, 320, 321, 343, 344, 345/2, 345/3, 346/1, 346/2, 347/1, 348/6, 352, 353, 354, 355/1 & 355/2 of Manapakkam Village, Alandur Taluk, Chennai District, Tamil Nadu by M/s. Casagrande Smart Value Homes Private Limited- For Environmental ClearanceCorrigendum.

The PP has obtained EC for Expansion of Construction of Group development at S.F.No. 318, 320, 321, 343, 344, 345/2, 345/3, 346/1, 346/2, 347/1, 348/6, 352, 353, 354, 355/1 & 355/2 of Manapakkam Village, Alandur Taluk, Chennai District, Tamil Nadu vide Lr.No.SEIAA-TN/F.No.9932/EC/8(a)/948/2023 dated 05.07.2023. Now, the PP had submitted an application for EC Corrigendum in the said EC as follows,

S.No	Description	As per EC issued dated 05.07.2023	Corrigendumrequested
1.	Page No.2, 3, 10 of 41,	S.F.No. 318, 320, 321, 343, 344, 345/2, 345/3, 346/1, 346/2, 347/1, 348/6, 352, 353, 354, 355/1 & 355/2 of Manapakkam Village, Alandur Taluk, Chennai District.	S.F.No. 318, 320, 321, 343, 344, 345/2, 345/3, 346/1, 346/2, 347/1, 347/2, 348/6, 352, 353, 354, 355/1 & 355/2 of Manapakkam Village, Alandur Taluk, Chennai District.


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	<p>After detailed deliberation, the Authority decided to issue the above Corrigendum to the Environmental clearance issued vide Lr.No.SEIAA-TN/F.No.9932/EC/8(a)/948/2023 dated 05.07.2023 subject to the conditions mentioned below.</p> <p>Conditions:</p> <p>1. All other conditions and validity mentioned in the EC dated 05.07.2023 will remain unchanged and unaltered.</p>	
22.	<p>Construction of Medical Hospital building without prior Environmental clearance by M/s. Velammal Medical College & Hospital & Research Institute at S.F.Nos. 62/6, 62/7, 63/9A, 63/9B, 63/9C, 64/2, 64/7B,70/2A, 70/2B, 71/1, 71/3, 71/4A,72/2, 72/3A, 72/38, 72/4A, 72/4B, 72/4C,72/4D, 72/5, 72/6, 72/7, 72/8, 72/9A, 72/9B1,72/9B2, 72/10, 72/11A,72/11B, 72/12, 72/13, 73/4A(P), 73/4B, 73/13, 80/5 of Anuppanadi Village, Madurai South Taluk, Madurai District, Tamil Nadu - For Environmental Clearance under Violation. (SIA/MIS/201965/2021)</p>	<p>518</p> <p>The subject was earlier placed in the 647th meeting of Authority held on 21.08.2023. The Authority noted that the subject was placed in the 396th meeting of SEAC held on 27.07.2023 and the SEAC has furnished its recommendation for the grant of Environmental Clearance under violation category for the expansion project subject to the conditions stated therein. After detailed discussions, the Authority decided to call certain additional particulars.</p> <p>Meanwhile the PP furnished the judgement copy dated 31.08.2023 in O.A No. 08/2021 filed before the Hon'ble NGT(SZ). Hence the subject was taken up for discussion in this 657th meeting of the Authority held on 25.09.2023. The Authority noted that the Hon'ble NGT(SZ) has disposed the case O.A No. 08/2021 issuing the following direction to SEIAA,</p> <p><i>The Tamil Nadu State Environment Impact Assessment Authority (TN-SEIAA) to consider the pending application for grant of Environmental Clearance for the expansion as per the rules in force taking into account the delay in applying for the Environmental Clearance under violation category and the commencement of</i></p>


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construction without Environmental Clearance and the environmental compensation applicable for the same.

The Authority further noted that the PP has furnished the following particulars as called for:

1. The PP has submitted the bank guarantee of Rs. 60.5 Lakh prescribed for Ecological remediation. natural resource augmentation & community resource augmentation to Tamil Nadu Pollution Control Board and obtained acknowledgement for the same.
2. The amount committed by the Project proponent for CER (Rs.50 Lakh) has been handed over to the beneficiaries for the activities committed by the proponent and copy of receipts obtained from the beneficiaries have been furnished to SEIAA-TN.
3. The project proponent has submitted proof of credible action taken by the TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018

After detailed discussions, the Authority accepted the recommendation of SEAC and decided to grant of Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions:

1. All the construction of Buildings shall be energy efficient and conform to the green

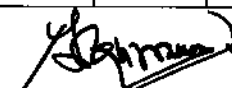

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			<p>building norms.</p> <ol style="list-style-type: none"> 2. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed. 3. The proponent shall ensure that no treated or untreated trade effluent/sewage shall be discharged outside the premises under any circumstances 4. All biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in ELA/EMP 5. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities. 6. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly. 7. 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. 8. 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. 9. The proponent shall ensure that provision should be given for proper utilization of
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		<p>recycled water.</p> <p>10. The proponent shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.</p> <p>11. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.</p> <p>12. All the Buildings shall be energy efficient and confirm to the green building norms</p> <p>13. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.</p> <p>14. The proponent shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.</p> <p>15. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.</p> <p>16. The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.</p> <p>17. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP. There should be sufficient grass lawns.</p> <p>18. The proponent shall provide the emergency exit in the buildings.</p> <p>19. The proponent shall provide elevator as per rules CMDA/DTCP.</p>
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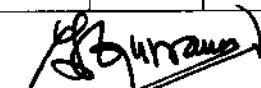

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		<p>20. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.</p> <p>21. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.</p> <p>22.2. The project proponent shall adhere to storm water management plan as committed.</p> <p>23. The proponent shall periodically test the treated sewage the through TNPCB lab NABL accredited laboratory and submit report to the TNPCB.</p> <p>24. 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.</p> <p>25. The Hospital should anticipate climate-related vagaries, shocks & stresses and build sufficient caution in the disaster management plan.</p> <p>26. The proponent shall ensure that prompt action is taken to mitigate carbon emissions, GHGs & to reduce carbon footprint to enable health comforts & management.</p> <p>27. The proponent shall ensure that there is appropriate plan for all types of waste management including bio medical waste.</p>
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			<p>28. All activities during operation & post operation should be energy efficient with proper emission audits.</p> <p>29. The proponent shall ensure that no form of solid waste is disposed outside the proposed project site at any time.</p> <p>30. 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 as amended, E-Waste (Management) Rules, 2016 as amended. 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 as amended. & Batteries (Management and Handling) Rules, 2001 as amended.</p>
23.	Expansion of existing hospital facility by M/s. Ganga Medical Centre & Hospitals Pvt Ltd at S.F.No.11/3/1B(Part) of Sanganur village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.- For Environmental Clearance under violation	6555	<p>The proposal was earlier placed in the 612th meeting of Authority held on 17.04.2023 & 18.04.2023. The Authority noted that follows:</p> <ol style="list-style-type: none"> 1. The subject was placed in the 365 meeting of SEAC held on 23.03.2023. The SEAC observed that the proposal seeking Environmental Clearance for the expansion and construction of Hospital Facilities, Ganga Hospital at T.S.No.

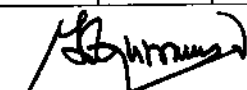

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		<p>11/3/18 part, Mettupalayam Road, Sangnur Village, Coimbatore District, Tamil Nadu under violation category comes under the "high level ecological damage category". The Committee decided to recommend the proposal to SELAA for grant of EC subject to inter alia the following conditions in addition to the normal conditions stipulated by MOEF & CC:</p> <p>a. As per the MoEF & CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.</p> <p>b. Accordingly, the amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation is Rs. 31.00 Lakh. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.31 Lakh in the form</p>
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		<p>of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan. Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.</p> <p>c. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice:</p> <p>d. The amount committed by the Project proponent for CER (Rs.18.5 Lakh) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.</p> <p>The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent requesting to furnish the additional details/documents sought by SEAC and place the proposal in the ensuing Authority meeting after receipt of the details.</p> <p>1. The PP furnished the details called for and hence the subject was placed before the Authority in its 657th meeting held on 25.09.2023. The Authority noted that.</p>
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		<p>2. The PP has submitted the bank guarantee of Rs. 31.00 Lakh prescribed for Ecological remediation, natural resource augmentation & community resource augmentation to Tamil Nadu Pollution Control Board and obtained acknowledgement for the same.</p> <p>3. The amount committed by the Project proponent for CER (Rs.18.5 Lakh) has been handed over to the beneficiaries for the activities committed by the proponent and copy of receipts obtained from the beneficiaries have been furnished to SEIAA-TN.</p> <p>4. The project proponent has submitted proof of credible action taken by the TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act. 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>During the meeting, the Authority noted that sub-committee constituted by SEAC has recommended for imposing penalty for violation of Rs. 23 Lakh in the site inspection report. Hence the Authority decided to refer back the proposal to SEAC to state,</p> <ol style="list-style-type: none"> a. The area of violation. b. The agency to whom the penalty for violation to be placed/paid.
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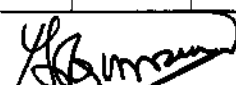

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24.	Proposed Construction of residential Building by M/s. Casagrand Zingo Private Limited at T.S.No. 156/1 of Perambur Village, Perambur Taluk, Chennai District, Tamil Nadu - For Environmental Clearance. (SIA/TN/INFRA2/429382/2023)	10088	<p>The authority noted that the subject was earlier appraised in 393rd SEAC meeting held on 20.07.2023.</p> <p>The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:</p> <ol style="list-style-type: none"> 2. PP shall submit the commitment letter from the local body for supply of fresh water to SEIAA before issue of EC. 3. The PP shall frame Environmental policy and Environmental management team and the same shall submitted to SEIAA before issue of EC. <p>Subsequently, the proposal was placed in 643rd SEIAA meeting held on 01.08.2023.</p> <p>In the view of the above, Authority decided that upon the receipt of above-mentioned documents as stipulated by SEAC, further deliberation shall be done.</p> <p>Subsequently, proponent vide letter received in this office on 11.08.2023 submitted a reply as follows</p> <ol style="list-style-type: none"> 1. "We hereby commit to SEIAA and SEAC that the proposed project site comes under Chennai Corporation Zone VI of CMWSSB serving area." <p>Further, the proponent had submitted an affidavit that commitment for establishment of sewer connection and water supply will be obtained</p>
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			<p>from CMWSSB before obtaining CTE from TNPCB.</p> <p>In the view of the above representation received from the proponent, authority after detailed deliberation decided to refer back the proposal to the committee examine the request made by the proponent with regard to obtaining water commitment letter from the competent authority and shall furnish its remarks to SEIAA to take further course of action.</p>
25.	<p>Proposed Construction of High-Rise Residential building by M/s. Casa Grande Civil Engineering Private Limited at T. S. No. 156/4 of Perambur Village, Perambur Taluk, Chennai District Tamil Nadu - For Environmental Clearance.</p> <p>(SIA/TN/INFRA2/434015/2023)</p>	10182	<p>The proposal was earlier placed in the 398th SEAC Meeting held on 04.08.2023.</p> <p>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.</p> <p>Subsequently, the proposal was placed in 649th SEIAA meeting held on 23.08.2023.</p> <p>After detailed discussions, 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"> 1. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD. 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. 3. A detailed traffic management and traffic decongestion plan from reputed


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		<p>Research and Academic Institution such as NIRM, IITs, NITs, Anna University Chennai-CEG Campus etc., shall be submitted.</p> <ol style="list-style-type: none"> 4. The PP shall furnish the fire Noc. 5. The PP shall furnish Disaster Management Plan and Evacuation plan. 6. The proponent shall provide details of sufficient grass lawns, Indoor games, Gym and play facilities for children. 7. 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. <p>Upon the receipt of above said details, further deliberation shall be done.</p> <p>Subsequently, proponent vide letter received in this office on 26.09.2023 submitted a reply as follows</p> <ol style="list-style-type: none"> 2. "We hereby commit to SEIAA and SEAC that the proposed project site comes under Chennai Corporation Zone VI of CMWSSB serving area." <p>Further, the proponent had submitted an affidavit that commitment for establishment of sewer connection and water supply will be obtained from CMWSSB before obtaining CTE from TNPCB.</p> <p>In the view of the above representation received from the proponent, authority after detailed deliberation decided to refer back the proposal to the committee to examine the request made by the</p>
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		proponent with regard to obtaining water commitment letter from the competent authority and shall furnish its remarks to SEIAA to take further course of action.
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Annexure 'A'

a) EC Compliance

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

b) Applicable Regulatory Frameworks

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


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e) Safe mining Practices

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

d) Water Environment – Protection and mitigation measures

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


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

e) Air Environment – Protection and mitigation measures

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

f) Soil Environment – Protection and mitigation measures

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


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

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

g) Noise Environment – Protection and mitigation measures

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

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

h) Biodiversity - Protection and mitigation measures

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

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

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


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34. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.

35. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

i) Climate Change

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

37. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.

38. Intensive mining activity should not add to temperature rise and global warming.

39. Operations should not result in GHG releases and extra power consumption leading to Climate Change.

40. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.

41. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.

42. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.

43. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

j) Reserve Forests & Protected Areas

44. The activities should provide nature based support and solutions for forest protection and wildlife conservation.

45. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.

46. There should be no disturbance to the freshwater flow from the forest impacting the water table and wetlands.

47. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.

48. The project activities should not alter the geodiversity and geological heritage of the area.

49. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.

50. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.


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51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

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

l) Workers and their protection

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

m) Transportation

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


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

n) Storage of wastes

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

o) CER/EMP

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

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

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

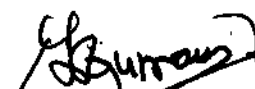
p) Directions for Reclamation of mine sites

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

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

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


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


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

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

Annexure '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.


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

Regulatory Frameworks

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

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.


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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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