

**Your (Half Yearly Compliance Report) has been Submitted with following details**

<b>Proposal No</b>	SIA/JH/INFRA2/433155/2023
<b>Compliance ID</b>	1229291321
<b>Compliance Number(For Tracking)</b>	EC/COMPLIANCE/1229291321/2026
<b>Reporting Year</b>	2026
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)
<b>Submission Date</b>	29-05-2026
<b>RO/SRO Name</b>	Shri Senthil Kumar Sampath
<b>RO/SRO Email</b>	agmu156@ifs.nic.in
<b>State</b>	JHARKHAND
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Ranchi

**Note:-** SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, JHARKHAND with Notification to Project Proponent.



**Member Secretary**  
**State Level Environment Impact Assessment Authority**  
**Nursery Complex, Near Dhurwa Bus stand**  
**Dhurwa, Ranchi - 834004**  
**Email: [msseiaa.jhk@gmail.com](mailto:msseiaa.jhk@gmail.com)**

MD/ENV/72/88/2026  
Date: 20.05.2026

**Ref: Environmental Clearance letter no. EC/SEIAA/2023-24/2859/2023/182 dated 10.07.2023.**

**Sub: Half-yearly compliance status report of Environmental Clearance conditions for the period October 2025 – March 2026 in respect of Sangram Sai Township Phase 2, M/s Tata Steel Limited.**

Dear Sir,

Kindly find attached herewith the half-yearly compliance status report in respect of the stipulated Environmental Clearance conditions of Sangram Sai Township, Phase 2, M/s Tata Steel Limited for the period from **October 2025 – March 2026**

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental Management practices.

Thanking you,

Yours faithfully,  
f: M/s Tata Steel Limited

**Area Manager (Environment), OMQ**

Encl. : As above

Copy to : The Chairman, Central Pollution Control Board, Southern end Conclave, Block 502,  
5<sup>th</sup> & 6<sup>th</sup> Floors, 1582 Rajdanga Main Road, Kolkata - 700107 (W. B.)  
: The Member Secretary, Jharkhand State Pollution Control Board, T A  
Division  
(Ground Floor), Dhurwa, Ranchi – 834004.  
: The Regional Officer, JSPCB, MB/12 New Housing Colony, Adityapur,  
Jamshedpur

**TATA STEEL LIMITED**

Mines Division Noamundi 833 217 India  
Tel 91 9262699402

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India  
Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number L27100MH1907PLC000260 Website [www.tatasteel.com](http://www.tatasteel.com)

**HALF-YEARLY EC COMPLIANCE REPORT FOR  
SANGRAM SAI TOWNSHIP PHASE 2 OF TATA STEEL LIMITED**

**ENVIRONMENTAL CLEARANCE NO. EC/SEIAA/2023-24/2859/182 DATED 10.07.2023  
(Period of Compliance: October 2025 to March 2026)**

<b>I</b>	<b>SPECIFIC COCNDITIONS</b>	<b>COMPLIANCE</b>
i.	<p>This Environmental Clearance is valid subject to the following condition below – that this project has-</p> <ul style="list-style-type: none"> <li>a. Obtained all legal rights to operate at concerned place</li> <li>b. Complied with all existing concerned laws of the land and</li> <li>c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.</li> </ul>	<p>Noted.</p> <ul style="list-style-type: none"> <li>a. We have obtained legal rights over the area to construct staff quarter.</li> <li>b. We shall abide by all the existing concerned laws of the land.</li> <li>c. We are complying/ shall comply with the decisions of SEIAA on the issue of Environment Clearance till date.</li> </ul>
ii.	<p>Environment management system including organization structure to be drawn to ensure compliance of EC conditions stipulated based on principles of Continuous Improvement and periodical management review.</p>	<p>Being Complied</p> <p>A separate environmental management cell is in place with people having relevant qualification on environmental science. Organization has adequate environmental reporting system for adequate decision making.</p>
iii.	<p>All raw material to be stored only under covered shed.</p>	<p>All the raw materials are being stored at side under covered shed.</p>
iv.	<p>PAs to offset (up to 20%) consumption of conventional energy sources by promoting use of solar energy, passive energy utilization, optimum fenestration, shading effect, and heat islands.</p>	<p>Several measures are proposed for conserve natural resources like: Use of insulation tiles for preventing roof top heating due to intense natural heating during daytime, use of shear wall construction method to insulate heat from outside and maintaining a difference between external and internal temperatures thereby keeping interiors cooler, providing large windows and balcony for proper natural daylight, Equipping common area illumination sets with automated astronomical time switches, installing LED lights in all dwelling units, Use of energy efficient lift etc.</p>
v.	<p>Developers to promote energy conservation measures such that it offsets not less than 02% of connected load. It is to be achieved by solar panels etc. meeting ECBC norms.</p>	<p>Several measures are proposed for conservation of natural resources like: Use of insulation tiles for preventing roof top heating due to intense natural heating during daytime, use of shear wall construction method to insulate heat from outside and maintaining a difference between external and internal temperatures thereby keeping interiors cooler, providing large windows and balcony for proper natural daylight, Equipping common area illumination sets with automated astronomical time switches, installing LED lights in all dwelling units, Use of energy efficient lift etc.</p>
vi.	<p>Trees should be planted &amp; maintained not less than 15% of project area.</p>	<p>Shall be complied after completion of construction work.</p>

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vii.	Organic Waste Converter (OWC) to be installed of sufficient capacity such that all organic waste (biodegradable) generated is used as compost manure.	Organic Waste Converter (OWC) shall be installed for converting organic waste into compost manure.
viii.	Developers/Company to install STP of sufficient capacity such that all the sewage generated is treated and reused.	A STP of capacity 600 KLD (MBBR Technology) will be constructed to handle the treatment of sewage generated from the project.
ix.	Developers/Company to install Rainwater harvesting structures such that all the roof top water runoff is collected and harvested including reuse on 100% basis.	Two rainwater harvesting structure installed.
x.	Developers/Company to conduct and submit carbon footprint and carbon sequestration study report including mitigation measures as a part of EC compliances.	Currently the construction is under progress.
xi.	Water runoff originating from open non constructed areas of project premises to be harvested/guided in such a way that it does not create water logging condition outside.	Rainwater harvesting structure is planned for harvesting rainwater generated from roof top.
xii.	Sufficient number of EV fast charging point to be installed.	EV fast charging points shall be provided in due time post completion of construction.
xiii.	Ground water will not be used without the permission of competent authority.	Being complied. No ground water is being used. Treated surface water from Baitarani River is being used for construction purpose.
xiv.	After approval of Building Plan from competent authority, it should be submitted to the SEIAA.	The Building plan has been approved.
xv.	MSW Collection center should be located in isolated and preferably unmanned area. Movement of the vehicle carrying waste should be under tarpaulin covered condition only. Route of vehicle should be such that it avoids residential areas as far as practical.	Will be complied.
xvi.	ISO 14k EMS system standard to be followed for implementation of EMPs with MRM in place for feedback to Sr management.	ISO 14000 EMS system is in place for implementation of EMPs with MRM in place for feedback to Senior management.
xvii.	A cycling tract to be provided in residential complex so as to save on fuel and make in campus movement environment friendly.	As the project area is very small there is no provision of cycling track in the residential complex.
xviii.	Install the required STP, if project start functioning before commencing or functioning of CETP of Municipal Corporation.	A STP of capacity 600 KLD (MBBR Technology) will be constructed to handle the treatment of sewage generated from the project.
xix.	This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, MoEF & CC and any other court of law, if any, as may be applicable to this project.	Not applicable.

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xx.	Environmental clearance is subject to obtaining prior clearance from forestry and wildlife angle including clearance from standing committee of NBWL, as may be applicable to this project (in case any fauna occurs/ is found in the project area or if the area involves forest land or wildlife habitat i.e., core zone of elephant/tiger reserve etc. and or located within 10 km. of protected area).	Not applicable.
xxi.	The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without undue delay, which till process on their respective merits, no rights will vest in or accrue them unless all clearance are obtained.	Not Applicable. There is no forest land or wildlife habitat and or core zone of elephant/tiger reserve etc. and or located within 10 km. of protected area of the township project area.
xxii.	This Environmental Clearance shall be valid subject to the sustainable environmental management.	Noted. Sustainable environment management practices like Rainwater harvesting, installation of STP, implementation of energy efficient practices are planned. Other sustainable practices shall be implemented in due time.
<b>II</b>	<b>STATUTORY COMPLIANCE:</b>	
i.	The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	Complied and noted.
ii.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	The approval for the structural safety of the building as per the National Building Code of India, 2005 has been obtained.
iii.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not Applicable. There is no forest land involved in the township project.
iv.	In the writ petition (Civil) no. 202/1995, T.N. Godaverman Thirumulpad vs union of India and ors. the Hon'ble Supreme Court passed an order dated 03.06.2022" National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09 <sup>th</sup> February,2011 shall be strictly adhered to".	Not Applicable. There is no forest land or wildlife habitat and or core zone of elephant/tiger reserve etc. and or located within 10 km. of protected area of the township project area.

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v.	The project proponent should obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable. There is no forest land or wildlife habitat and or core zone of elephant/tiger reserve etc. and or located within 10 km. of protected area of the township project area.
vi.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act,1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	We have obtained the CTE from JSPCB vide. SPCB/HO/RNC/CTE-17083731/2023/708, dated: 08.12.2023.
vii.	The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.	The requirement of water shall be fulfilled from treated surface water from Noamundi mines. No separate water shall be drawl for township project.
viii.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Not applicable as the power to the township is sourced from Noamundi Iron Mines.
ix.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Clearance from civil aviation department & fire department has been obtained.
x.	The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016 & Plastics Waste (Management) Rules, 2016 shall be followed.	Noted. We shall abide by the said condition.
xi.	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Will be complied.
xii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel (kerosene/gas) for cooking, safe drinking water, medical health care, etc. the housing may be in the form of temporary structures to be removed after completion of the project.	Not Applicable. As the construction labours are majorly from the local areas and are staying outside the construction sites.
xiii.	Provision of drinking water, wastewater disposal, solid wastes management and primary health facilities shall be ensured for labour force. Proper sanitation facilities shall be provided at the construction site to prevent health related problems. Domestic as well as sanitary wastes from construction camps shall be cleared regularly.	Not Applicable. As the construction labours are majorly from the local areas and are staying outside the construction sites.

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xiv.	All the labourers to be engaged for construction works shall be screened for health and adequately treated before issue of work permits. The contractor shall ensure periodic health check-up of construction workers.	Regular IME & PME are conducted for the labourers engaged for construction works.
xv.	All vehicles/equipment deployed during construction phase shall be ensured in good working condition and shall conform to applicable air and noise emission standards. These shall be operated only during non-peak hours.	Being complied. All vehicles/equipment deployed during construction phase are in good working condition and are conforming to applicable air and noise emission standards. These are being operated only during non-peak hours.
xvi.	Accumulation/stagnation of water shall be avoided ensuring vector control.	No accumulation/ stagnant water generated within the township area.
xvii.	Water during construction phase should be preferred from Municipal supply.	Not Applicable. As the treated water from Noamundi Iron Mine is used for construction of the township project.
xviii.	Unskilled construction labourers shall be recruited from the local areas.	Complied.
xix.	Monitoring of ground water table and quality once in three months shall be carried out. Construction of tube wells, bore wells shall be strictly regulated.	Ground water quality and level of the surrounding area is being conducted on quarterly basis.
xx.	Adequate provision shall be made to cater the parking needs. Parking spaces standards as given in "Manual on Norms and Standards for Environmental Clearance of Large Construction Projects" issued by Ministry of Environment and Forests, Government of India shall be adopted.	Noted.
xxi.	Rest room facilities shall be provided for service population.	Rest room facilities for service population has been provided.
xxii.	Water body falling within premises (if any) shall not be lined or no embankment shall be cemented. The water bodies, if any, shall be kept in natural conditions without disturbing the ecological habitat.	Not applicable. No water body is falling within premises.
xxiii.	Construction shall conform to the requirements of local seismic regulations. The project proponent shall obtain permission for the plans and designs including structural design, standards and specifications of all construction work from concerned authority.	Complied. The construction is as per the approved design from concerned authority.
<b>III</b>	<b>AIR QUALITY MONITORING AND PRESERVATION:</b>	
i.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	Noted. We shall comply with the said condition.

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ii.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	The monitoring of Ambient Air quality is being carried out on regular basis. And the results are well within the prescribed norms.
iii.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.	Ambient Air Quality monitoring station is installed in the township project.
iv.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low Sulphur diesel. The location of the DG sets may be decided within consultation with State Pollution Control Board.	The backup power shall be sourced from DG sets present in Noamundi Iron Mines. No separate DG sets shall be installed at township area.
v.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/wind breaking walls all around the site (at least 3meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	Construction site is adequately barricaded before the construction began. We have constructed dust/wind breaking walls of 3 meters height all around the construction site. All the vehicles used for bringing construction materials are covered.
vi.	Sand, murram, loose soil, cement, stored onsite shall be covered adequately so as to prevent dust pollution.	Murram, loose soil is stored at site are coved through tarpaulin. Cement is stored in cement silos which is located outside the construction site by the contractor at their batching plant site.
vii.	Wet jet shall be provided for grinding and stone cutting.	Not Applicable. As the construction of the township project is complete.
viii.	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Water sprinkling is carried out on regular interval.
ix.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.	Not Applicable. As there is no construction and demolition waste.

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x.	The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	Not Applicable. As the power is sourced from Noamundi Iron Mines.
xi.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set, and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	No DG sets present in township project.
xii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted. We shall abide by the said condition.
<b>IV</b>	<b>WATER QUALITY MONITORING AND PRESERVATION:</b>	
i.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.	Not applicable. No water body/ natural drain is falling within premises.
ii.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	The building will follow the natural topography and minimum cutting and filling has been done.
iii.	Total freshwater use shall not exceed the proposed requirement as provided in the project details.	Noted. We shall abide by the said condition.
iv.	The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	During the period October 2025 to March 2026 the consumption and generation details were as follows: Fresh water Consumption: 20266 KL

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v.	<p>A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</p> <p>A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</p>	<p>Not applicable. We are sourcing water from Noamundi Iron Mines.</p>
vi.	<p>At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.</p>	<p>Will be complied.</p>
vii.	<p>Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.</p>	<p>Being Complied. Dual pipe plumbing system has been planned for supply of recycled water for flushing purpose and landscape irrigation purposes.</p>
viii.	<p>Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.</p>	<p>We shall be using water saving devices like low flow flushing system &amp; faucet tap aerators.</p>
ix.	<p>Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</p>	<p>We will be using single stack system however; we have provided separate recirculation lines for flushing by giving dual plumbing system.</p>
x.	<p>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</p>	<p>Being complied.</p>

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xi.	The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWA norms.	Being Complied. Rainwater harvesting structures have been planned within the township area.
xii.	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.	Being Complied. Rainwater harvesting structures have been planned within the township area.
xiii.	All recharge should be limited to shallow aquifer.	Being complied. The Rainwater harvesting structure with recharge shaft will be limited to shallow aquifer.
xiv.	No ground water shall be used during construction phase of the project.	No ground water is being used during construction phase.
xv.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CG W A for any ground water abstraction or dewatering.	Not Applicable. There is no ground water table intersection in this township project.
xvi.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly monitoring reports.	During the period October 2025 to March 2026 the consumption and generation details were as follows: Fresh water Consumption: 20266 KL
xvii.	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing. AC make up water and gardening. As proposed, no treated water shall be disposed into municipal drain.	A STP of capacity 600 KLD (MBBR Technology) will be constructed to handle the treatment of sewage generated from the project.
xviii.	No sewage or untreated effluent water would be discharged through storm water drains.	We are practicing ZLD in township project.

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xix.	Onsite sewage treatment of capacity of treating 100% waste water to be installed based on the MBBR/MBR/SBR technology. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape. flushing. cooling tower. and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	A STP of capacity 600 KLD (MBBR Technology) will be constructed to handle the treatment of sewage generated from the project.
xx.	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	A STP of capacity 600 KLD (MBBR Technology) will be constructed to handle the treatment of sewage generated from the project.
xxi.	Sludge from the onsite sewage treatment. including septic tanks. shall be collected. conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Noted. Shall be complied.
<b>V</b>	<b>NOISE MONITORING AND PREVENTION:</b>	
i.	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase. so as to conform to the stipulated standards by CPCB/SPCB	Noise monitoring is being carried out at township project on monthly basis. The noise level is found to be well within the prescribed limit.
ii.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise monitoring is being carried out at township project on monthly basis. The noise level is found to be well within the prescribed limit.
iii.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	There is no DG sets installed at Township area. Currently power supply is being sourced from Noamundi Iron Mines.
<b>VI</b>	<b>ENERGY CONSERVATION MEASURES:</b>	

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i.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.	Noted. We shall abide by the said condition.
ii.	Outdoor and common area lighting shall be LED.	Shall be Complied. LED lights shall be installed at outdoor & common areas.
iii.	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	Several measures have been taken to conserve natural resources like: Use of insulation tiles for preventing roof top heating due to intense natural heating during daytime, use of shear wall construction method to insulate heat from outside and maintaining a difference between external and internal temperatures thereby keeping interiors cooler, providing large windows and balcony for proper natural daylight, Equipped common area illumination sets with automated astronomical time switches, installed LED lights in all dwelling units, Use of energy efficient lift etc.
iv.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	Complied. LED lights are installed at outdoor & common areas.
v.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.	Several measures are planned to conserve natural resources like: Use of insulation tiles for preventing roof top heating due to intense natural heating during daytime, use of shear wall construction method to insulate heat from outside and maintaining a difference between external and internal temperatures thereby keeping interiors cooler, providing large windows and balcony for proper natural daylight, Equipped common area illumination sets with automated astronomical time switches, installed LED lights in all dwelling units, Use of energy efficient lift etc. Additionally, we have installed 3 MW capacity solar power plant in Noamundi Iron Mines and the same will be supplied to township project.

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vi.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	Noted. We have installed 3 MW capacity solar power plant in Noamundi Iron Mines and the same will be supplied to township project.
<b>VII WASTE MANAGEMENT:</b>		
i.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	Noted. We shall abide by the said condition.
ii.	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Not applicable. No muck is being generated.
iii.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	Complied. Waste is being segregated into dry and wet waste.
iv.	Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.	Organic Waste Converter (OWC) shall be installed for converting organic waste into compost manure.
v.	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	The non-biodegradable waste like plastic waste is being segregated and stored at earmarked area. And the same shall be disposed off to authorized recyclers.
vi.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Not applicable. No hazardous waste is being generated.
vii.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.	Being Complied.

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viii.	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.	Complied. In compliance with the provision of fly Ash Notification of September 1999 and its amendments, environmentally friendly construction materials like fly ash bricks and paver blocks are used for the construction of buildings and roads.
ix.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Complied.
x.	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Not applicable. As all the dwelling units shall be fitted with LED lights. And LED lights will also be installed for lighting arrangement in outdoors & common areas. No CFLs and TFLs shall be used.
<b>VIII</b>	<b>GREEN COVER</b>	
i.	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary. Tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).	Complied. No trees were felled during the construction phase. Old trees were retained.
ii.	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.	Plantation activities shall be completed by the end of FY 2027.
iii.	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.	Complied. No trees were felled during the construction phase. Old trees were retained.

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iv.	Topsoil should be stripped to a depth of 20 m from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Complied. The topsoil generated shall be used for plantation purpose.
<b>IX</b>	<b>TRANSPORT</b>	
i.	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.	This is a small township project with 4 buildings; there not much scope for motorized, non-motorized, private & public network.
	a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.	This is a small township project with 4 buildings there not much scope for segregation of vehicular & pedestrian traffic. Proper designated entry and exit points are marked. Parking is constructed as per local regulations.
ii.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	Being complied.
iii.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Noted. The same shall be complied.
<b>X</b>	<b>HUMAN HEALTH ISSUE</b>	

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i.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	Being complied.
ii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Being complied.
iii.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied.
iv.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not applicable. As the construction workers are local and are staying outside the project area.
v.	Occupational health surveillance of the workers shall be done on a regular basis.	Being complied.
vi.	A First Aid Room shall be provided in the project both during construction and operations of the project.	A full-fledged Tata Main Hospital is operational just beside the township.
<b>XI</b>	<b>CORPORATE ENVIRONMENT RESPONSIBILITY</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1A.III dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted. The same shall be complied.
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental/forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Complied. Environment Policy is in place.

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iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive. who will directly to the head of the organization.	Being Complied A separate environmental management cell is in place with people having relevant qualification on environmental science. Organization has adequate environmental reporting system for adequate decision making.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Implementation of the same is in progress. The details of the same shall be submitted in the upcoming compliance report.
<b>XII</b>	<b>MISCELLANEOUS</b>	
i.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State. of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.	Complied Details of Environment Clearance with respect to Noamundi Township project were published both in English (Avenue Mail) and Hindi (Dainik Jagaran) in local newspapers on 19.09.2023.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Six monthly compliance report is uploaded on company website along with relevant environment monitoring reports.
iv.	The project proponent shall submit six-monthly reports On the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Six monthly compliance report is uploaded on company website along with relevant environment monitoring reports.

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v.	The project proponent shall submit the environmental statement for each financial year in Form- V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	We shall abide by the said condition.
vi.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted. We shall abide by the said condition.
vii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Note. We shall abide by the said condition.
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted. We shall abide by the said condition.
ix.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted. We shall abide by the said condition.
x.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xi.	The Ministry / SEIAA / SEAC may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xii.	The Ministry / SEIAA / SEAC reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
xiii.	It shall be mandatory for the project management to submit six (06) monthly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard copies and soft copies to the regulatory authority concerned Regional Office of MoEF & CC at Ranchi and Jharkhand State Pollution Control Board (J.S.P.CB.), Ranchi / CPCB / SEIAA.	Six monthly compliance report is uploaded on company website along with relevant environment monitoring reports.
xiv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974,	Noted. We shall abide by the said condition.

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	the Air (Prevention & Control of Pollution) Act, 198 I, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
xv.	The SEIAA, Jharkhand or any other competent Authority may alter modify the above conditions or stipulate any further condition in the interest of Environment Protection.	Noted. We shall abide by the said condition
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
xvii.	The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.	Noted.