

Reference No.: AMIPL/534/2025-26

Date: 29.11.2025

To  
Deputy Director General of Forests (C),  
Ministry of Environment, Forest and Climate Change,  
Regional Office, A/3, Chandrasekharpur, Bhubaneswar – 751023

**Sub: Submission of Half-Yearly Environmental Clearance Compliance Report for the period April 2025 to September 2025 in respect of Thakurani Iron Ore Mine of M/s ArcelorMittal India Private Limited.**

Dear Sir,

We are pleased to submit herewith the Half-Yearly Compliance Report of the conditions stipulated in the Environmental Clearance granted vide letter No. J-11015/902/2007-IA II(M) dated 03<sup>rd</sup> February 2012, for production of 5.5 MTPA of iron ore in favour of M/s ArcelorMittal India Private Limited (AMIPL).

This is for your kind information and record.

Thanking you,

Yours faithfully,

*For ArcelorMittal India Private Limited*



**Indrakant Saha**  
Mines Manager

**Encloser:** As above

**Copy to:** Member Secretary, Odisha State Pollution Control Board, Unit 8, Bhubaneswar, Odisha.

# **Half-Yearly EC Compliance Report**

**Of**

**Thakurani Iron Ore Mine**

**M/s ArcelorMittal India Private Limited (AMIPL)**

**At**

**Village- Thakurani under Barbil Tahsil, Dist-Keonjhar, Odisha**

**For the period of**

**April 2025 to September 2025**

| Sl. No.                       | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>A. Specific Compliance</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1                             | No mining shall be carried out in the forestland involved in the project without obtaining requisite prior forestry clearance under the Forest (Conservation) Act, 1980. The environmental clearance is subject to grant of forestry clearance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p><b>Complied with, mining activity being carried out in the diverted forest land only.</b></p> <p>Out of the total mining lease area of 228.744 hectares, Forest Clearance has already been obtained for 146.726 hectares of forest land and mining activities being done in the diverted forest land only.</p> <p>The Forest Clearance (FC) granted to M/s Kaypee Enterprises vide MoEF&amp;CC Letter No. F. No. 8-154/97-FC (VOL-II) dated 19<sup>th</sup> July 2005, has been transferred to M/s ArcelorMittal India Private Limited (AMIPL) by the MoEF &amp;CC in accordance to the vesting Order No. 1320/SM dated 15.02.2022,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2                             | The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Orissa and effectively implement all the conditions stipulated therein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>Complied with.</b> The Consent to Operate (CTO) has been obtained from the Odisha State Pollution Control Board (OSPCB) vide Order No. 6640/IND-I-CON-2168 dated 29.03.2025 for production of 5.5 MTPA of iron ore. The consent is valid up to 31.03.2026. All conditions stipulated in the Consent to Operate are being strictly adhered to and implemented.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3                             | Prior environmental clearance from the Standing Committee of the National Board for Wildlife shall be obtained due to location of the mine in the buffer zone of the Singhbhum Elephant Reserve, before starting any activity relating to the project at site. All the conditions stipulated by the Standing Committee shall be effectively implemented in the project. It shall be noted that this clearance does not necessarily implies that wildlife clearance shall be granted to the project and that your proposal for wildlife clearance shall be considered by the competent authorities on its merit and decision taken. The investment made in the project, if any based on environmental clearance granted to the project, in anticipation of the clearance from wildlife clearance shall be entirely at the cost and risk of the project proponent and Ministry of Environment and Forests shall not be responsible in this regard in any manner. | <p><b>Noted for compliance.</b></p> <p>As per the communication from the PCCF (Wildlife) vide Letter No. 5217 dated 08.07.2016, it has been clarified that the mining project is in the buffer zone of the Singhbhum Elephant Reserve and does not require referral to the Standing Committee of the National Board for Wildlife (NBWL). The letter also justified the deletion of Specific Condition No. (III) of the Environment Clearance (EC) granted earlier.</p> <p>Further, the Regional Office of MoEF&amp;CC, Eastern Region, Bhubaneswar, furnished a certified compliance report of EC conditions vide Letter No. 58 dated 27.02.2019, wherein it was noted that, as per MoEF&amp;CC Letter No. 6-10/2011-WL dated 19.12.2021 and the approved Site-Specific Wildlife Conservation Plan, the previous lessee had already deposited ₹143 lakhs towards the implementation cost in the CAMPA Fund. The Site-Specific Wildlife Conservation Plan has been revised and approved by the Chief Conservator of Forest (WL-III) on 25<sup>th</sup> April 2025. A demand of ₹200 lakhs raised against the plan has also been fully deposited.</p> |
| 4                             | Environmental clearance is subject to final order of the Hon`ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004, as may be applicable to this project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><b>Complied with.</b></p> <p>AMIPL will adhere any court order/ judgement pertaining to the said conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| 5       | <p>The Company shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia provide for (i) Standard operating process / process to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions, (ii) Hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions and (iii) System of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders.</p> | <p><b>Complied with.</b></p> <p>Corporate environmental policy has been implemented, considering the manual designed based on the ISO: 14001 standard guidelines, which describe the standard operating procedures/processes to counter the deviations/ violations relating to environmental norms/conditions and reinforce the same with a hierarchical system of check and balance.</p> <p>The corporate environment responsibility works, includes the infrastructure development, health education and sanitation in nearby village.</p> |
| 6       | <p>The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.</p>                                                                                                                                                                                                                                                               | <p><b>Complied with.</b></p> <p>The mining activity does not intersect the groundwater table of the area. The groundwater table in the region lies at an elevation of 530 meters above mean sea level (AMSL), whereas the ultimate working depth of the mine will be 600 meters AMSL. Hence, not intersecting the groundwater table till the life of mine.</p>                                                                                                                                                                               |
| 7       | <p>The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate safeguard measures shall be taken for protection of the first order streams and the seasonal nallahs originating from the mining lease area.</p>                                                                                                                                                                                                                                                                                                                                 | <p><b>Note for compliance.</b></p> <p>There is no presence of any permanent perennial watercourse like river/stream etc. in the lease area. However, two numbers of Settling Pits have been constructed as protective measures for control sediment flow into the nearby water bodies. Further provisions of check weirs, retaining walls etc. are there at the Strategic locations for allowing the natural flow.</p>                                                                                                                       |
| 8       | <p>The topsoil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p><b>Complied with.</b> The topsoil generated during mining operations is utilized for plantation activities at the earliest possible stage after its generation. Arrangement for temporarily storage has been done at earmarked locations with all necessary precautions. The stored topsoil subsequently used for land reclamation and development of green cover through plantation.</p>                                                                                                                                                 |
| 10      | <p>The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. Back filling shall commence from the 11<sup>th</sup> year onwards. There shall be four external over burden dumps. The maximum projected height of the dumps shall not</p>                                                                                                                                                                                                                        | <p><b>Complied with.</b></p> <p>Overburden (OB) is being stacked at earmarked sites as approved in the Mining Plan. At present, there is one active OB/Waste dump in the mine. Additionally, there are three dumps within the mining lease area, which are temporary in nature and will be rehandled in due course.</p> <p>The Mining Plan was revised and approved on 3<sup>rd</sup> January 2025, and backfilling approval has been obtained to enhance the stability</p>                                                                  |

| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|         | <p>exceed 45m in three terraces of 15m each and the overall slope of the dumps shall be maintained to 28°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment &amp; Forests and its Regional Office located at Bhubaneswar on six monthly basis.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>of quarry benches. Backfilling activities are presently in progress in the approved areas.</p> <p>To prevent soil erosion and ensure slope stability, extensive measures have been implemented. Plantation has been carried out on dump slopes to promote natural stabilization, while coir mat applications have been adopted to enhance soil and dump material stability. Additionally, garland drains and retaining walls have been constructed along the toe of the dumps to prevent wash-off and maintain structural integrity.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11      | <p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, soil, OB and mineral dumps to prevent run off of water and flow of sediments directly into water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted particularly after the monsoon and maintained properly. Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed around the mine pit, soil, OB and mineral dumps to prevent run off of water and flow of sediments directly into the water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p> | <p>There are 2 numbers of sumps/settling pits have been constructed at the bottom of the dump, stack- yard areas etc. to arrest / control flow of silts during rain. The sumps/settling ponds are de-silted regularly after monsoon.</p> <p>Surface runoffs are properly channelized and allowed to settle in the settling pits constructed at lower level.</p> <p>The sump has been constructed with adequate capacity with safety margin so that, most of the surface run-off water is percolated down in the settling ponds during the rainy season and rest quantity is passed through the proper channel i.e., check dam, check weir etc. to the mines pit areas. In the entire area, wherever possibility of wash off or flow of sediments etc. is anticipated, the retaining wall, garland drain, and check dam have been provided at the strategic points.</p> <p>Photograph retaining wall along with garland drains attached below.</p>  |

*(Handwritten signature)*

| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| 12      | <p>Dimension of the retaining wall at the toe of the over burden dumps and the OB benches within the mine to check run-off and siltation shall be based on the rainfall data.</p>                                                                                                                                                                                                                                                                                                                     | <p><b>Complied with.</b> Gabion wall (retaining Wall) has been provided at the toe of the overburden dump to enhance stability and prevent erosion.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 13      | <p>Plantation shall be raised in an area of 149.518 ha including a 7.5 m wide green belt in the safety zone around the mining lease, over burden dumps, mine benches, backfilled area, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p> | <p><b>Complied with.</b></p> <p>Plantation being carried out in the mined-out area accordance to the reclamation plan. During July–August of the current financial year, 725 saplings of native species were planted over an area of 0.29 hectares in safety zone, maintaining a planting density of 2,500 saplings per hectare. Based on the latest monitoring, the current survival rate is estimated to be above 90%. Photographs are attached below.</p>                                                             |
| 14      | <p>Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed</p>                                                                                      | <p><b>Complied with.</b> All possible effective measures have been taken to reduce the air pollution mainly PM in the lease hold area.</p> <p>A fixed-type water sprinkling system has been installed, covering 0.7 km along the haul road up to the main gate. In addition, water sprinkling is carried out regularly using four mobile water tankers at dust-generating points within the lease area and along the transportation road to minimize fugitive dust emissions. To further control dust emissions from vehicular movement, a wheel washing system has also been deployed at the mine site.</p> |



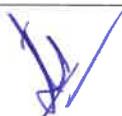
| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|         | by the Central Pollution Control Board in this regard in this regard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Ambient Air Quality (AAQ) monitoring is being carried out regularly in both the core and buffer zones to ensure compliance with environmental standards as per the NAAQ standards and CPCB guidelines. An NABL-accredited laboratory has been engaged to monitor air quality in core zone and buffer zone. Compiled Ambient Air Quality monitoring data is attached as <i>Annexure II</i> .                                                                                                                                                                                                                                                                                                         |
| 15      | The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Complied with.</b><br>All measures suggested in the NoC issued by CGWA has been taken.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 16      | Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhubaneswar, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out. | <b>Complied with.</b> Groundwater level and quality are monitored four times a year—during pre-monsoon, monsoon, post-monsoon, and winter seasons—covering six designated locations. The monitoring and analysis are conducted by engaging a NABL-accredited laboratory to ensure accuracy and compliance with regulatory standards. A piezometer has been installed in the nearest available well within the mine site for continuous observation. The collected data is compiled and submitted annually to the Ministry of Environment, Forest and Climate Change (MoEF&CC) and the Central Ground Water Board (CGWB). The compiled Groundwater Quality Report is provided as <i>Annexure I</i> . |
|         | The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water, if any required for the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Noted for compliance.</b> At present there is no consumption of surface water. Necessary permission will be taken before drawl of surface water, if required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 17      | Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Noted for compliance.</b><br>The study has been planned to make the construction of permanent rainwater harvesting structures inside the lease area. Additionally, a Roof Top Rainwater Harvesting cum ground recharge structure has been installed at the camp site, ensuring effective utilization of rainwater and groundwater recharge despite the constraints of operating within forest land.                                                                                                                                                                                                                                                                                              |
| 18      | Appropriate mitigative measures shall be taken to prevent pollution of the Karo River                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Complied with.</b> Site specific surface run off management measures like; dump slope stabilization, retaining wall, garland drain, sumps and series of check-dams/Check wires etc. have been                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Sl. No. | Conditions                                                                                                                                                                                                                                                                       | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|         | in consultation with the State Pollution Control Board.                                                                                                                                                                                                                          | constructed to prevent the flow of silts through watercourse to the Karo river.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 19      | Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.             | <b>Complied with.</b> The vehicles deployed at the mining site are maintained, and regular monitoring is carried out to ensure compliance with emission norms. Pollution Under Control (PUC) certification is mandatory, and only PUC-certified vehicles are allowed to operate within the mining area. Emission tests are conducted on a regular basis to ascertain adherence to pollution standards. All vehicles transporting loaded materials are fully covered with tarpaulins, and overloading is strictly prohibited. |
| 20      | No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. | <b>Complied with.</b> Blasting in the mines is done only in daytime which is fixed at 12.30 pm to 1.30 pm. No Blasting being carried out after sunset. Controlled blasting technique is in practice by using the Nonel technology and following the recommendation of the CIMFR, Dhanbad. Ground vibrations are being monitored regularly, and the results are well within the norms.                                                                                                                                        |
| 21      | Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office located at Bhubaneswar.          | <b>Complied with.</b> Digital processing of the entire lease area using remote sensing technique for monitoring land use pattern of the entire lease area will be adhered once in three years and submitted accordingly. Under Rule-34A of MCDR-2017, drone survey is being conducted every year and the digital processing data is being submitted to IBM.                                                                                                                                                                  |
| 22      | Drills shall either be operated with dust extractors or equipped with water injection system.                                                                                                                                                                                    | <b>Complied with.</b> Drilling machine with an inbuilt water injecting system is being utilized to minimize dust emission.                                                                                                                                                                                                                                                                                                                                                                                                   |
| 23      | Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.    | <b>Complied with.</b> Crusher and screen plants are provided with dry fog system and conveyor belts are covered with shed. Apart from that, we have taken effective steps for dust suppression at mine face/bench, mineral & waste handling and haul road areas, water sprinkling is done regularly with the help of 04 number of mobile water tankers to reduce the dust emission.                                                                                                                                          |
| 24      | Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.                                                                                                                      | <b>Complied with.</b> Sewage Treatment Plant (STP) of capacity 20 KLD was commissioned to treat the domestic wastewater generated from the kitchen, toilet, etc. in Colony area.<br>Site-specific ETP (Oil & Grease Separation Unit) provided at Workshop Service center within the mines area to treat the wastewater generated from the machinery engaged in mining operations. In addition to this one STP was commissioned within the mines lease area of capacity of 20KLD.                                             |

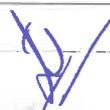


| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 25      | Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly                                                                                                                                                                                                                                                                                       | <b>Complied with.</b> Periodical Medical Examination being carried out of the workers engaged in the any activity of mining. Records are maintained of the employee undergone for the medical test.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 26      | The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely elephant, sloth bear etc. spotted in the study area. All the safeguard measures brought out in the Wildlife Conservation Plan prepared specific to this project site shall be effectively implemented in consultation with the State Forest and Wildlife Department. A copy of the Conservation plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Bhubaneswar | <b>Complied with.</b> Site Specific Wildlife Conservation Plan for Thakurani Iron Ore Mine has been revised and approved by the PCCF (WL) and Chief Wildlife Warden, Odisha vide letter No.4685 Dated 25.04.2024. All the recommendations as per this conservation plan is being implemented in core zone in consultation with Divisional Forest Officer, Keonjhar.<br><br>Awareness camps have been organized prevention of Forest Fire and forest conservation. In addition to this, World Environment Day, Van Mahotsav, and Wildlife Week are being celebrated during the year to create awareness in the society about environment. |
| 27      | The entire mining lease area shall be fenced by erecting solar powered electric fencing all around it. The fencing so erected shall be maintained properly and the cost towards erection and maintenance of the solar powered electric fencing shall be borne by the project proponent out of the project cost.                                                                                                                                                                                                                                       | <b>Complied with.</b> The entire lease area has been fenced to ensure controlled access and operational safety. Regular repair and maintenance activities have been undertaken to maintain the fencing structure.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 28      | No transportation of ore outside the mine lease area shall be carried out after the sunset.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Complied with.</b> In accordance with the directives issued by the Local District Collector-cum-District Magistrate and the District Mining Department, vehicular movement within the lease area is restricted between 08:00 a.m. and 08:00 p.m. All transportation activities are being scheduled and executed strictly in compliance with these instructions from the local government authorities.                                                                                                                                                                                                                                 |
| 29      | 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.                                                                                                                                                                                                 | <b>Complied with.</b> The staff camp has been constructed out-side the lease area for which required facilities with safe drinking water is supplied and settling tank followed by soak pit has been constructed for treatment of the domestic wastewater generated from the Kitchen, toilet etc. However, for the temporary site office construct at mines, is mainly container based which will be removed after the completion of the project.                                                                                                                                                                                        |
| 30      | The critical parameters such as RSPM (Particulate matter with size less than 10µm i.e. PM10) and NO <sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest                                                                                                                                                                                                                                                                                                                             | <b>Complied with.</b> All critical environmental parameters are monitored periodically at the mine site as well as in the nearest habitation, the values remain within the permissible limits prescribed by statutory norms. The monitoring reports are submitted to the Ministry of Environment, Forest and Climate                                                                                                                                                                                                                                                                                                                     |

| Sl. No.                      | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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|                              | <p>habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27,05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance</p> | <p>Change (MoEF&amp;CC) on a regular basis. Additionally, the data is uploaded on the company's official website and prominently displayed on an electronic display board installed at the main gate of the project site, ensuring transparency and accessibility to the public domain.</p> <p>No village exists within 300 meters of the mining lease area. Peak Particle Velocity (PPV) impacts are also monitored regularly in accordance with the applicable guidelines.</p> |
| 31                           | <p>A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment &amp; Forests 5 years in advance of final mine closure for approval.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p><b>Complied with.</b> The mining lease has been granted for a period of 50 years and is valid until 26<sup>th</sup> June 2070. The Final Mine Closure Plan, along with detailed provisions for the Corpus Fund, will be submitted to the Ministry of Environment, Forest and Climate Change (MoEF&amp;CC) in advance of the proposed final mine closure for review and approval.</p>                                                                                          |
| <b>B. General Conditions</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1                            | <p>No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment &amp; Forests.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>Complied with.</b> There is no change in the mining technology adopted at the site. The mining operations strictly adhere to the approved mining plan and schemes sanctioned by the Indian Bureau of Mines (IBM). The mining method is fully mechanized, utilizing heavy earth-moving machinery such as shovels and dumpers in combination, along with screening and crushing facilities for iron ore processing.</p>                                                      |
| 2                            | <p>No change in the calendar plan including excavation, quantum of mineral iron ore and waste should be made</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>Complied with.</b> There is no change in calendar plan of production of ore and waste. The production is being limited to the permissible approved quantity as per the approved mining plan, Environment Clearance and Consent to Operate. The total production of ROM for the period April 2025 to September 25 is 23,38,270 MT out of the approved limit of 5.5 MTPA. Total excavation of waste during the above period is 14,94,700 MT.</p>                             |
| 3                            | <p>At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM<sub>10</sub>) and NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be</p>                                                                                                                                                                                                                           | <p><b>Complied with.</b> In consultation with the State Pollution Control Board, four ambient air quality monitoring stations have been strategically installed in both the core zone and buffer zone. These stations monitor critical parameters such as <b>PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub></b>, and <b>NO<sub>x</sub></b>, ensuring compliance with prescribed environmental standards.</p>                                                                  |



| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                               | Compliance                                                                                                                                                                                                                                                                                                                                                                                          |
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|         | undertaken in consultation with the State Pollution Control Board.                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4       | Data on ambient air quality [(RSPM (Particulate matter with size less than 10micron i.e., PM10) and NO <sub>x</sub> ] should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board once in six months.                                                     | <b>Complied with.</b> The monitoring data for ambient air quality is regularly submitted to the Ministry of Environment, Forest and Climate Change (MoEF&CC), including its Regional Office located at Bhubaneswar, as well as to the State Pollution Control Board (SPCB).                                                                                                                         |
| 5       | Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.                                                                                                                                                          | Fixed type of water sprinkling system has been installed along 0.7 km of the mineral dispatch road. Additionally, mobile water tankers are used for regular spraying, and a wheel washing system is in place to minimize dust dispersion.                                                                                                                                                           |
| 6       | Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.                                                                                                                                                                                        | Mining equipment is regularly maintained to minimize noise emissions. Controlled blasting practices are adopted to further reduce noise levels during operations. Workers engaged in high-noise activities are provided with personal protective equipment (PPE) such as earplugs or earmuffs. Additionally, all machine operating cabins are equipped with acoustic enclosures to ensure enhanced. |
| 7       | Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents                                         | A site-specific Effluent Treatment Plant (ETP) with an integrated Oil & Grease Separation Unit has been constructed within the mine for treating wastewater generated from workshop.<br><br>Compiled ETP discharge water report attached as <b>Annexure III</b> .                                                                                                                                   |
| 8       | Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. | Personnel working in dusty areas are provided with protective respiratory devices and adequate safety training. Initial Medical Examination (IME) is conducted for all employees engaged at the mining site, and an occupational health surveillance program is carried-out periodically to monitor and address any health issues arising from dust exposure.                                       |
| 9       | A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.                                                                                                                                                                           | An Environmental Cell has been established within the mining project, headed by the Manager – Mines, to oversee the implementation of various pollution control measures and ensure compliance with Environment Management System (EMS) requirements.                                                                                                                                               |



| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Compliance                                                                                                                                                                                                                                                                                                                                                              |
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| 10      | The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The fund earmarked for environmental protection is being utilized for the said purpose only.                                                                                                                                                                                                                                                                            |
| 11      | The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final & approval of the project by the concerned authorities and the date of start of land development work.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | After execution of mining lease on 27 <sup>th</sup> June 2020, mining operation commenced on 14.07.2020 and the lease is valid up to 17 <sup>th</sup> June 2070.<br><br>Presently the progressive mining closure plan has been approved by IBM and the final closure plan will be prepared towards the end of life of mine and be informed to the ministry accordingly. |
| 12      | The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Noted for compliance.</b> We will extend all our full cooperation during any such inspections by the Authority.                                                                                                                                                                                                                                                      |
| 13      | The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhubaneswar, the respective Zonal Officer of Central Pollution Control Board and the State Pollution Control Board. | We will adhere the same conditions.                                                                                                                                                                                                                                                                                                                                     |
| 14      | A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Compliance has been ensured by formally intimating local authorities, including the Gram Panchayat, Municipality, DDM Office, Zila Parishad, and the Divisional Forest Officer. Additionally, a copy of the Environmental Clearance letter has been made available on the company's official website for public access.                                                 |

| Sl. No. | Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Compliance                                                                                                                                                                                                                                                                                                                             |
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|         | The clearance letter shall also be put on the website of the Company by the proponent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                        |
| 15      | The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | This has been compiled from SPCB, Bhubaneswar.                                                                                                                                                                                                                                                                                         |
| 16      | The environmental statement for each financial year ending 31' March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of the Ministry of Environment and Forests, Bhubaneswar by e-mail.                                                                                                                                                        | We will adhere the same conditions.                                                                                                                                                                                                                                                                                                    |
| 17      | The project authorities should advertise at least in two local newspapers of the District or State in which the project is located and widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar | Environment Clearance granted vide letter no. J-11015/902/2007-IA II(M), Dated 03 <sup>rd</sup> February 2012 for production of 5.5 million T Iron ore and the EC has been transferred to ArcelorMittal India Private Limited (AMIPL) vide EC Identification No- EC21A001OR166226 dated 13.12.2021.<br>Complied as per the conditions. |

**Indrakant Saha**

**Mine manager**

**Thakurani Iron Ore Mine**

**Date: 29<sup>th</sup> November 2025**

**Place: Barbil**