

**SIX MONTHLY COMPLIANCE REPORT FOR THE PERIOD OCTOBER 2020 TO MARCH 2021 OF ENVIRONMENT CLEARANCE ACCORDED VIDE LETTER NO.9672/SEIAA, DATED 23.11.2020 IN RESPECT OF OUR RAIKELA IRON ORE MINES OF M/S. GEETARANI MOHANTY IN THE DISTRICT OF SUNDARGARH, ODISHA.**

**(I) Statutory compliance**

| <b>Sl. No.</b> | <b>Conditions</b>   | <b>Compliance</b>  |
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| (i)            | This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.   | There is no case/s pending before any court of law.  |
| (ii)           | The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations  | We have obtained all the statutory clearances from the concerned statutory authority for undertaking mining operation.   |
| (iii)          | The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors. | Necessary permission accorded from State Government for undertaking mining operation after paying of compensation amount as demanded from the respective department in compliance to the Judgment of Hon'ble Supreme Court in W.P(c) No.114 of 2014, dated 02.08.2017. A copy of the order is enclosed herewith as <b>Annexure-I</b> . |
| (iv)           | This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project  | The statutory clearance from NBWL is not applicable for this Project.  |

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| (v)    | <p>This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the project.</p>  | <p>Out of the 67.586Ha of total Mining Lease area, forest land under DLC category is 66.671Ha and 0.915Ha is non-forest land. Ministry of Environment and Forest, Govt of India has accorded the Stage-II Forest Clearance over an area of 66.671Ha vide letter No. F No.8-37/2007-FC dated 22.10.2014. The copy of the Forest clearance is enclosed as <b>Annexure-II</b>.</p>  |
| (vi)   | <p>Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board.</p>            | <p>The consent to operate has been obtained vide lr No. 875/IND-I-CON-2572 dt 19.01.2021 after grant of EC and the conditions stipulated in the CTO are effectively implemented. Copy of the Consent to Operate order is enclosed as <b>Annexure -III</b>.</p> <p>The project proponent has obtained Consent to Establish vide lr No. 8918/IND-II-CTE-6420 Dated 18.09.2020 from State Pollution Control Board, Odisha for production of iron ore of 2.99 MTPA. The copy of the order is enclosed as <b>Annexure-IV</b>.</p> |
| (vii)  | <p>The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development &amp; Regulation), Act, 2015 and rules &amp; regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time</p> | <p>The project proponent is adhering all the Rules &amp; Regulations and the various circular issued by the respective statutory authorities from time to time.</p>  |
| (viii) | <p>The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made thereunder in respect of lands which are not owned by it</p>   | <p>Not Applicable as the project area does not falls under any tenant land.</p>  |

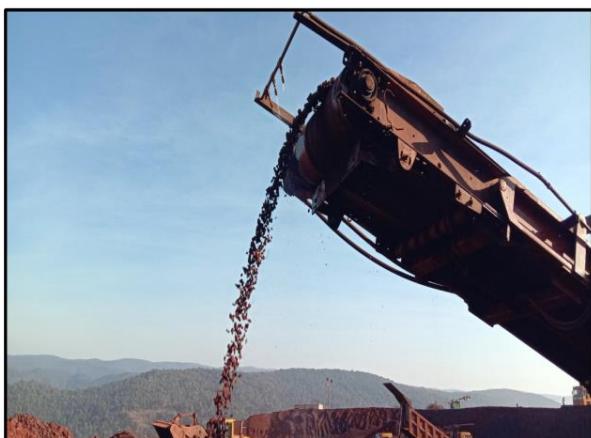
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| (ix)   | <p>The Project Proponent shall follow the mitigation measures provided in MoEF &amp; CC's Office Memorandum No.Z-I1013/57/2014-IA.II(M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".</p>                        | <p>There is no habitation within the Mining Lease area. However, the project proponent is adopting all types of environmental mitigation measures related to Mining and shall be continued as the Habitations and villages are surrounded by the mine lease area. Further, we shall abide by the MoEF &amp; CC's Office Memorandum No. Z-I1013/57/2014-IA.II(M), dated 29th October, 2014, titled "Impact of mining activities on Habitations</p> |
| (x)    | <p>The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project</p>  | <p>Necessary permission (NoC) has been accorded by CGWA for withdrawal of 180cum/day of ground water vide letter no CGWA/NOC/MIN/ORIG/20-21/10588 dated 31.01.2021. Copy of the permission letter is enclosed herewith as <b>Annexure-V</b></p>   |
| (xi)   | <p>A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal</p>  | <p>The EC letter has been intimated to local Gram Panchayat, Municipality, Zila Parishad, etc. and a copy has been uploaded in the company's website i.e. <a href="http://www.grmmines.in">www.grmmines.in</a></p>  |
| (xii)  | <p>State Pollution Control Board shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days</p>  | <p>Complied.</p>  |
| (xiii) | <p>The Project Authorities should widely advertise about the grant of this EC letter by printing the same at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution</p> | <p>Paper advertisement about grant of EC has been published in Odia newspaper "The Samaja" on 29.11.2020 and national daily "The New Indian Express" on 29.11.2020. A copy of the same is enclosed as <b>Annexure-VI</b>.</p>   |

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|       | Control Board and web site of the Ministry of Environment, Forest and Climate Change ( <a href="http://www.environmentclearance.nic.in">www.environmentclearance.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record  |  |
| (xiv) | The Project Proponent shall inform the MoEF&CC/SEIAA, Odisha for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time. | Shall be communicated if there is any change in ownership of the mining lease as per the provisions of the para 11 of EIA notification, 2006 as amended from time to time. |

## **(II) Air Quality monitoring and preservation**

| Sl. No. | CONDITIONS   | COMPLIANCES   |
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| (i)     | <p>The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2; CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.</p> | <p>We are in process of installation of 3 nos. of online monitoring stations within a period of 4 months for air pollution viz. PM10, PM2.5, NO2; CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone as per the conditions stipulated. An undertaking in this regard is attached as <b>Annexure : VII</b></p> <p>At present we are carrying out AAQ monitoring in buffer area through NABL Accredited Lab. The monitoring report is attached as <b>Annexure VII(A)</b></p> |

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| (ii) | <p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM<sub>10</sub> and PM<sub>2.5</sub> are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEF&amp;CC/ Central Pollution Control Board</p> | <p>Effective safeguard measures for prevention of dust generation and subsequent suppression like regular water sprinkling; metalled road construction etc. is being carried out in areas prone to air pollution wherein high levels of PM<sub>10</sub> and PM<sub>2.5</sub> are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emission is being regularly monitored by NABL Accredited Lab and controlled by installation of required equipment/ machineries and preventive maintenance. Dry fog system is working in ore processing plants and drill rigs. The monitoring result is enclosed as <b>Annexure VII(B)</b></p> |
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**(Arrangement of dry fog system at Crusher)**



**(Water Sprinkling on Haul Road)**



**(Arrangement of dry fog system at crusher)**

### **(III) Water quality monitoring and preservation**

| <b>Sl. No.</b> | <b>CONDITIONS</b>  | <b>COMPLIANCES</b>   |
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| (i)            | <p>In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&amp;CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.</p>  | <p>As per the information from the approved Mining Plan, the minimum depth of working at present is at 638m.RL. During plan period, it is planned to work up to 620m.RL. Hence, ground water intersection will not be taken place as the water table is at 610m.RL. As and when ground water intersection takes place, the project proponent will take prior approval from CGWA and MoEF &amp; CC before mining operations.</p>  |
| (ii)           | <p>Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in and around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board</p> | <ul style="list-style-type: none"> <li>❖ No perennial nalla is flowing within the lease area. However, Karo Nallah is flowing at a distance of 2km from the lease area. The flow rate of Karo nalla is being monitored on a regular basis and the records of flow rate is being maintained. As per the record the flow rate of Karo nala varies from 0.35m<sup>3</sup>/sec to 1.20m<sup>3</sup>/sec.</li> <li>❖ The Karo nalla is not being disturbed due to mining activity.</li> <li>❖ For nurturing water table PP has constructed roof top rain water harvesting structure within the office premises so as not to go down below the pre-mining period.</li> <li>❖ The PP is supplying water through pipe line nearby villagers as well as by water tanker.</li> <li>❖ Provision of piezometer for regular monitoring of water table has been made at the bore well located in the lease area to ascertain the impact of mining over ground water table.</li> </ul> <p>As per the result there are no changes in ground water level and quality.</p> |

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| (iii) | <p>Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board</p>   | <p>Monitoring of the ground water quality at 3 locations namely Mines office, Tensa Tube Well &amp; Tentulidhi dug well village has been undertaken and the records are maintained. The results are within the permissible limit.</p> <p>Piezo-meter has already been installed in consultation with Central Ground Water Authority in the lease area of mines in 627 m RL. The depth of water level is 610 m RL.</p>  |
| (iv)  | <p>The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and</p> | <p>There is no natural water course/ water resources/ springs and perennial nallahs existing/ flowing within the ML area. However, monitoring of surface water flowing within the buffer zone is being carried out as per the norms in Karo Nallah at the upstream and downstream and record of monitoring data is maintained and submitted to Ministry of Environment, Forests and Climate Change, its Regional Office, Bhubaneswar, Central Ground Water Board, State Pollution Control Board, Odisha. A copy of the Ground water and Surface water quality monitoring report is attached as <b>Annexure-VIII</b>.</p> |

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|     | <p>prior approval of MoEF&amp;CC / SEIAA, Odisha. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, SEIAA, Odisha, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis</p>  |   |
| (v) | <p>Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1 /2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p> | <p>The waste water from the various activities is treated in ETP and is reused in mining activities. The runoff from mine is treated in settling pond and then routed to natural water course. There is no natural water course/ water resources/ springs and perennial nallahs existing/ flowing within the ML area. However, monitoring is being carried out as per CPCB norms from Karo Nallah at the upstream and downstream and record of monitoring data is maintained and submitted to MoEFCC, its Regional Office, Bhubaneswar, Central Ground Water Board, State Pollution Control Board, Odisha. A copy of the Ground water and Surface water quality monitoring report is attached as <b>Annexure-VIII</b>.</p> <p>The monitored data is being uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable</p> |

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|      |  | location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by MoEFCC may also be referred in this regard.  |
| (vi) | The project proponent shall construct retaining wall and settling pond within the lease area. Further, check dams shall be constructed at strategic locations in which rain water passes in rainy season. Finally, the excess supernanted after sedimentation shall be allowed to spill away through stone pitch structure to the nearby valley. | The project proponent has constructed retaining wall and garland drain with settling pond to retain the wash offs of dump materials. A total of 1942m of retaining wall, 1635m garland drain and 3nos of settling pond has been constructed at strategic locations to retain the wash offs of dump materials. As per the approved mining plan, it is planned to construct retaining wall of 1830m, garland drain of 2485m and 5 nos of settling ponds and one RWH pond at different locations during plan period. Further, 2 nos of check dams have been constructed at strategic locations to slow down the flow of water during rainy season. |



**(View of Retaining wall around SG Dump)**



**(View of Retaining wall around OB Dump)**



**(View of Settling pond)**

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| (vii)  | <p>De-silting of agricultural lands in buffer zone and beyond including nearby Nalas/rivers perennially periodically and perpetually caused due to wash up of minerals/OB/dumps shall be done as per SOP submitted. A legal affidavit shall be submitted within 6 months from the date of issue of Environmental Clearance to this effect with periodicity of de-silting</p> | <p>De-silting of agricultural lands in buffer zone and beyond including nearby Nalas/rivers perennially periodically and perpetually caused due to wash up of minerals/OB/dumps shall be done as per SOP submitted when required. In this regard, a legal affidavit is submitted as <b>Annexure-IX</b>.</p> |
| (viii) | <p>Detail design of the existing retaining wall and the proposed for the expansion from a chartered Civil Engineer shall be submitted within 6 months from the date of issue of Environmental Clearance to ensure that no silt after wash up is escaped from the core / buffer zone of the mines.</p>  | <p>The design of the existing retaining wall certified by a chartered Civil Engineer is submitted herewith as <b>Annexure-X</b>.</p>  |
| (ix)   | <p>An area of 3.40Ha shall be kept for public use as pond and road. Hence, remaining 52.956Ha shall be planted during life of the mine in a phased manner i.e. within a period of 20 years</p>   | <p>An area of 3.40 ha is being kept for public usage such as road and pond. The remaining 52.956 ha shall be planted during life the mine in a phased manner within a period of 20years.</p>  |

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| (x) | <p>Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office, MoEF &amp; CC annually.</p> | <p>For implementation of suitable Rain water harvesting measures, a detail study has been undertaken by CIMFR, Dhanbad. As per the provision the suitable Rain water Harvesting measures along with Roof Top Rain Water Harvesting structures is implemented.</p> |
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**(View of Roof Top rain water Harvesting pond)**

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| (xi) | <p>Industrial waste water (workshop and waste water from the mine) should be properly collected and treated in an ETP as proposed so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.</p> | <p>Industrial waste water from workshop and waste water from the mine are properly collected and treated in an ETP as proposed. In this regard the PP has constructed 12KLD capacity ETP. The standards are as per Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluents are being treated after its initial passage through Oil and grease trap.</p> |
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**(View of 12 KLD ETP)**

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| (xii)  | <p>The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF &amp; CC and State Pollution Control Board.</p>                                     | <p>The project proponent will undertake water auditing within a period of 6 months to explore the possibility to reduce the consumption of water and subsequently will be reported to the Regional Office of the MoEF &amp; CC and State Pollution Control Board. An undertaking is enclosed as <b>Annexure-XI</b>.</p> |
| (xiii) | <p>The Project Proponent shall install STP of capacity 60 KLD for colony and ETP of adequate capacity making it operational within a time period of six months and status reports to be submitted along with six monthly compliance reports on regular basis</p> | <p>The project proponent has already commissioned 60KLD STP for treatment of domestic waste and 12KLD ETP for treatment of industrial waste water.</p>  |



**(View of 60 KLD STP)**

#### **(IV) Noise and vibration monitoring and prevention**

| <b>Sl. No.</b> | <b>Conditions</b>  | <b>Compliances</b>   |
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| <b>(i)</b>     | The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.   | Blasting vibration study has been carried out by CMRI, Dhanbad. As per the study, the peak particle velocity at 500m distance or within the nearest habitation will be monitored periodically as per applicable DGMS guidelines  |
| <b>(ii)</b>    | The illumination and sound at night at project sites disturb the villagers in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours         | Is being followed.   |
| <b>(iii)</b>   | The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The worker engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment. | <p>The worker engaged in operations of HEMM, etc. is provided with ear plugs/muffs. All measures for control of noise levels are being implemented. Noise level monitoring (4nos stations in core zone and 4 nos in buffer zone) is being carried out regularly. Copy of the Noise level monitoring results is attached as <b>Annexure XII</b>.</p> <p>All personnel including laborers working in dusty areas is provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects.</p> |

**(V) Mining Plan**

| Sl. No. | Conditions  | Compliances  |
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| (i)     | <p>The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal where in year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral &amp; waste production, lease area and scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.</p> | <p>The latest mining plan has been approved by IBM vide letter no RMP/A/30-ORI/BHU/2020-21 dated 18.11.2020. Copy of the approval letter is enclosed as <b>Annexure XIII</b></p> <p>The project proponent is implementing the system of operation as proposed in the approved mining plan.</p> <p>No change in basic mining proposal like mining technology, total excavation, mineral &amp; waste production, lease area and scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change.</p> |
| (ii)    | <p>The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining &amp; Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.</p>  | <p>The Project Proponent will get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines as required under the Provision of the MMDR Act, 1957 and Rules/Guidelines made there under before exhaust of iron ore within the Mining Lease area.</p> <p>A copy of approved final mine closure plan will be submitted within 2 months of the approval of the same from the competent authority to the Regional Office of MoEF &amp; CC.</p>   |

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| (iii) | <p>The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&amp;CC and its concerned Regional Office / SEIAA, Odisha.</p> | <p>The land-use of the mine lease area at various stages of mining plan/scheme as well as at the end-of-life is being governed as per the approved Mining Plan and will be continued till the end of the life of the mine.</p> <p>The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation will be raised in the reclaimed area as per approved mining plan. The monitoring and management of rehabilitated areas will be done until the vegetation becomes self-sustaining.</p> <p>The compliance status is being submitted half-yearly to the MoEF&amp;CC and its concerned Regional Office / SEIAA, Odisha.</p> |
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## **(VI) Land reclamation**

| Sl. No. | Conditions  | Compliances  |
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| (i)     | <p>The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation</p> | <p>The over burden dumping is being carried as per the approved mining plan.</p> <p>The physical parameters of the OB dumps like height, width and angle of slope is being undertaken as per approved Mining Plan based on the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations.</p> <p>The topsoil will be used for land reclamation and plantation.</p> |

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| (ii)  | <p>The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.</p>   | <p>The reject/waste generated during the mining operations is being carried out as per the approved mining plan.</p> <p>The physical parameters of the OB dumps like height, width and angle of slope is being undertaken as per approved Mining Plan based on the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations.</p> |
| (iii) | <p>The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan</p>  | <p>The reclamation of waste dump sites is being done in scientific manner and will be continued as per the Approved Mining Plan cum Progressive Mine Closure Plan.</p>  |
| (iv)  | <p>The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and helps in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners/Bentonite etc. shall be undertaken for stabilization of the dump</p> | <p>The slope of dumps is already been vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface runoff.</p> <p>Proper maintenance of dump slope is being undertaken to avoid formation of gullies for better stability of dump.</p>  |



**(View of Dump photo with plantation)**

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| (v)  | The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha  | The existing dump has not attended the height of 30m. However, slope stability study has already been undertaken by CIMFR, Dhanbad. The copy of the report has already been submitted to SEIAA, Odisha as well as MoEF & CC.   |
| (vi) | Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and topsoil / OB / waste dumps to prevent runoff of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be desilted regularly, particularly after monsoon season, and maintained properly | <p>The project proponent has constructed retaining wall and garland drain with settling pond to retain the wash offs of dump materials. A total of 1942m of retaining wall, 1635m garland drain and 3nos of settling pond has been constructed at strategic locations to retain the wash offs of dump materials. As per the approved mining plan, it is planned to construct retaining wall of 1830m, garland drain of 2485m and 5 nos of settling ponds and one RWH pond at different locations during plan period.</p> <p>Further, 2nos of check dams have been constructed at strategic locations to slow down the flow of water during rainy season.</p> |

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| (vii) | <p>Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the comers of the garland drains</p> | <p>Check dams of 33m is already constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% is being kept for designing of sump structures over and above peak rainfall and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps are being constructed at the comers of the garland drains</p> |
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**(View of check dam)**

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| (viii) | <p>The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose</p> | <p>As per the approved Mining Plan, there is no top soil stack within the lease area since generation of top soil is nil.</p> |
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| (ix) | <p>The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.</p> | <p>A additional Supplementary Lease deed has been executed with state government to take up, after ceasing mining operations, undertake re-grassing the mining area any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc.</p> |
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## **(VII) Transportation**

| Sl. No. | Conditions   | Compliances  |
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| (i)     | <p>No transportation of the minerals shall be allowed in case of roads passing through transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers</p> | <p>We are taking necessary measures to monitor that the vehicles carrying minerals from the mines are having vehicular emission under control.</p> |



**(Mineral transportation in covered vehicles)**

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| (ii)  | <p>The Main haulage road within the mine lease should be provided with a permanent water arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions</p> | <p>Measures are being taken to install a fixed water sprinkler in main haulage road. It will be completed by end of September, 2021. In this regard an undertaking is enclosed as <b>Annexure - XIV</b></p> |
| (iii) | <p>Traffic management shall be done as per recommendation of Traffic Management Study Report</p>   | <p>Traffic Study has been undertaken by CMRI, Dhanbad. Based on the suggestion, Traffic Management is being carried out.</p>  |
| (iv)  | <p>The Project Proponent shall provide parking plaza for the heavy vehicles within the lease area as recommendation of NEERI.</p>  | <p>As per the NEERI recommendation, Parking plaza for the heavy vehicles has been provided for this project.</p>  |

**(VIII) Green Belt**

| Sl. No. | CONDITIONS   | COMPLIANCES   |
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| (i)     | <p>The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area, backfilled area, quarry benches, roads etc. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.</p>   | <p>Green belt has been developed in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The Project Proponent has already undertaken plantation within lease area at Safety Zone, Waste dump, Bench Plantation etc covering 13.74 ha@2500 saplings per ha.</p>   |
| (ii)    | <p>The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/Agriculture Department/Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees</p> | <p>None of the area has been reclaimed till date. Plantation over back-filled area is not applicable at present. However, project proponent has carried out plantation all along the safety zone, toe of the waste dump. Plantation of local species has been carried out at the said locations @ 2500nos of saplings per hectare. The details of plantation area as follows:</p> <p>Area covered: 13.74 Ha (over safety zone, waste dump area along the dry seasonal nala).</p> <p>The detailed future budgetary expenditure is enclosed as <b>Annexure XV</b></p> |



**(Safety zone plantation)**

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| (iii) | <p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted</p> | <p>There is no grazing land within the lease area. Hence, no alternative arrangement for livestock feed by developing grazing land is required for this project.</p> |
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| (iv) | <p>The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.</p> | <p>The Site Specific Wildlife Conservation Plan got prepared in consultation with state forest department an estimated cost of Rs. 100 lakhs of which Rs. 28.00 lakhs has been earmarked for implementation of Site Specific Wildlife Conservation Plan within the Mining Lease area and Rs. 72.00 Lakh has been earmarked for implementation for the purpose in the buffer zone i.e. within the zone of influence and its approved by Pr. Chief Conservator of Forests and Chief Wildlife Warden, Bhubaneswar vide letter No.5582-1/ WL-C-SSP-212/ 10 dated 07.08.2010. Copy of the approval letter of site specific wild life conservation plan is attached as <b>Annexure XVI</b>. All types of precautionary measures are being adopted by PP for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation as per the conditions stipulated in the Site Specific Conservation Plan.</p> |
| (v)  | <p>And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.</p>  | <p>Site Specific Wild life conservation plan is approved vide letter No.5582-1/WL-C-SSP-212/ 10 dated 07.08.2010. Copy of the approval letter of site specific wild life conservation plan is attached as <b>Annexure XVII</b>. The status of implementation is being submitted to the Regional Office of the Ministry.</p>   |

**(IX) Public Hearing and Human health issues:**

| Sl. No. | CONDITIONS  | COMPLIANCES  |
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| (i)     | <p>The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEF &amp; CC Regional Office and DGMS on half-yearly basis.</p> | <p>Initial Medical Examination &amp; Periodical Medical Examination of the workers engaged in the project is being undertaken periodically for permanent and outsider employees as per the DGMS guidelines through EZMA. The records of Health status of permanent and outsider employees is being maintained properly.</p> <p>PP is carrying out occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The health check-ups are being undertaken once in six months. The PP has already established a dispensary nearby the lease area for regular health monitoring of workers and villagers as a preventive measures.</p> <p>The copy of the status report is attached as <b>Annexure-XVIII</b></p> |
| (ii)    | <p>A commitment in form of an undertaking for periodical occupational health checkup of the employee and the local people shall be done through an occupational health expert as per the detailed action plan submitted with the proposal within 6 months from the date of issue of Environmental Clearance</p>   | <p>Initial Medical Examination &amp; Periodical Medical Examination of the workers engaged in the project is being undertaken periodically for permanent and outsider employees as per the DGMS guidelines through EZMA. However, an undertaking is attached as an <b>Annexure-XVIII(A)</b> for carrying out periodical occupational health checkup of the employee and local people through EZMA.</p>   |
| (iii)   | <p>The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk</p>   | <p>The PP is regularly monitoring the health status of the workers and the villagers. A regular pharmacist has been appointed and a dispensary is</p>  |

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|      | <p>Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years</p> | <p>functioning and the health records of the workers and the villagers have been maintained.</p>   |
| (iv) | <p>The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) estimation in Blood; For Inorganic Chromium - Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health</p>  | <p>The project proponent has already conducted health camp during 2020. The villagers from the nearby villages of Raikela, Dengula, Kurla, Bandal and Rengua have attended the Health camp.</p> <p>The Occupational health surveillance of employee has carried out, where no major health related hazard was observed. Copy of the results attached as <b>Annexure-XVIII</b>.</p> |

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|     | <p>Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminum, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x 14 inches and of good quality)</p>  |  |
| (v) | <p>The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities, (c)At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1),Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of</p> | <p>M/s Geetarani Mohanty is conducting occupational health examination regular interval and maintaining a record of performance indicators for workers through EZMA. The record is attached as <b>Annexure XVIII</b></p> |

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|        | any body part. The record of the same should be submitted to the Regional Office, MoEF&CC annually along with details of the relief and compensation paid to workers having above indications.  |   |
| (vi)   | The Project Proponent shall ensure that 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.   | Personnel working in dust prone areas have been provided with dust mask for proper respiration and are being trained in Vocational Training Center about information on safety and health aspects. The company has earmarked Rs.2.5 lakhs per annum for expenditure against occupational health management under heads like Safety instruments, equipment's etc, Up-gradation of Dispensary and carrying out health monitoring. |
| (vii)  | Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water | The accommodation facilities for the employees have been provided with necessary basic infrastructure/facilities like fuel for cooking, toilets, STP, safe drinking water, dispensary for medical health care etc. The domestic effluents are being treated through STP of 60 KLD capacity.   |
| (viii) | The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.   | Implementation of action plan for issues raised during the public hearing is enclosed as <b>Annexure-XIX</b> .  |

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| (ix) | Issues raised and recorded in proceedings of public hearing w.r.t environment/ pollution/ CER shall be complied by the Mining Authority as per OMF No. 22-65/2017-IA.III, dated 30.09.2020 of MoEF & CC, Govt. of India. | Compliance of Public hearing proceeding and CER is under process. The status of the compliance is attached as <b>Annexure-XIX &amp; XX</b> . |
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**(X) Corporate Environment Responsibility (CER)**

| Sl. No. | CONDITIONS  | COMPLIANCES   |
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| (i)     | The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by SEAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement. | The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by SEAC is kept in a separate bank account. The activities proposed for CER is being implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, is being submitted to Regional Office MoEF & CC annually along with audited statement. |
| (ii)    | Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office / SEIAA, Odisha  | The funds earmarked for environment protection is being utilized for the Environment protection measures. Year wise expenditure will be reported to the Ministry and its Regional Office located at Bhubaneswar after completion of financial year.   |

**(XI) Miscellaneous:**

| <b>Sl. No.</b> | <b>CONDITIONS</b>  | <b>COMPLIANCES</b>  |
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| (i)            | The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC   | Digital map showing existing land use & land cover of the lease area will be prepared and submitted to the Regional office.   |
| (ii)           | Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office / SEIAA, Odisha | The project proponent has already opened a separate account in which funds has been earmarked for protection measures and not a single penny will be diverted for other purpose. The Year wise expenditure of such funds will be reported to the MoEF & CC and its concerned Regional Office / SEIAA, Odisha in due course of time. |
| (iii)          | The project proponent shall establish a solar power plant with 30KVA capacity within the lease area as proposed.   | The project proponent has already taken initiation for establishment of the solar power plant of 30 KVA within the lease hold area. In this regard work order has already been placed which is attached as <b>Annexure-XXI</b> .  |
| (iv)           | The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEF&CC & its concerned Regional Office, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board                | The Project is uploading the last six monthly EC Compliance reports in the website bearing address <a href="http://www.grmmines.in">www.grmmines.in</a> on regular basis.   |
| (v)            | A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified   | An Environment Cell is being established under Corporate Environment policy with suitable qualified personnel under the control of a Senior Executive, who is reporting directly to the Head of the Organization. Copy of the   |

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|        | Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF & CC   | organizational chart is enclosed as <b>Annexure-XXII</b> .  |
| (vi)   | The proponent shall comply all the specific conditions as recommended by CSIR-NEERI on carrying capacity study (as applicable) in time bound manner as proposed   | <p>The proponent has already commissioned wheel wash system, 300M concrete road, within the lease area. Further, regular monitoring work is being carried out as per the conditions of CSIR-NEERI.</p> <p>Regarding online monitoring system, vacuum cleaner, the PP has already taken initiation for installation of the same. Undertaking is attached as <b>Annexure- VII &amp; XXIII</b> respectively.</p> <p>The proponent shall comply all the specific conditions as recommended by CSIR-NEERI on carrying capacity study as applicable for this project in time bound manner as proposed</p> |
| (vii)  | Pursuant to MoEF & CC, O.M No 22-34/2018-1A.1/1 dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 08.01.2020 in W.P (C) No. 114/2014 in the matter Common Cause vs Union of India, the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. | <p>An additional Supplementary Lease deed has been executed with state government in pursuant to MoEF &amp; CC O.M No 22-34/2018-1A.1/1 dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 08.01.2020 in W.P (C) No. 114/2014 in the matter Common Cause vs Union of India.</p> <p>The Project proponent will take up re-grassing the mining area, after ceasing mining operations or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc.</p>         |
| (viii) | The project proponent shall augment infrastructure on drinking water, health care and education in nearby villages as per time bound action plan submitted  | The project proponent is already in action for augmentation of infrastructure on drinking water, health care and education in nearby villages as per time bound action plan submitted   |

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| (ix) | The project proponent shall obtain permission from DGMS under 106(2b) to carry out blasting operation within the lease area  | Necessary permission has been accorded from DGMS to carry out blasting operation within the lease hold area under 106(2b). A copy of the permission letter is enclosed herewith as <b>Annexure-XXIV</b> .   |
| (x)  | It shall be mandatory for the project management to submit quarterly compliance reports on the status of implementation of the above stipulated environmental safeguards to the SEIAA, Odisha/SPCB, Odisha/Regional Office of the MoEF & CC, Bhubaneswar, in hard copy and soft copies on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year, failing which EC is liable to be revoked. It is required to monitor all the parameters by MoEF & CC/NABL accredited laboratory and the monitoring reports to be submitted along with six monthly compliance reports | The half yearly EC compliance report is being regularly submitted on 1 <sup>st</sup> June and 1 <sup>st</sup> December of every year. The half yearly EC compliance report for the period from October, 2020 to March, 2021 is already submitted in due time. |
| (xi) | The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports  | We will extend all our cooperation during any such inspections by the Authority.  |

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| (xii)  | <p>The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974, the Air (Prevention &amp; Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court any other Court of Law relating to the subject matter</p> | <p>The PP will abide by all the Rules and Regulations framed under the provisions of the Water Act, 1974, the Air Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court any other Court of Law relating to the subject matter.</p> |
| (xiii) | <p>Any appeal against this environmental clearance 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.</p>  | <p>If any appeal against this environmental clearance come shall lie with the NGT, it will be resolved within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.</p>   |