#### Half Yearly Compliance Report 2025 01 Jun(01 Oct - 31 Mar)

#### Acknowledgement

| Prop | osal | Name     |
|------|------|----------|
| TIOD | osai | 1 141111 |

Proposal for Environmental Clearance for Gumgaon and Khodegaon Manganese Underground Mine M/s MOIL Limited for production capacity of 102000 MTPA of ROM (Inclusive of Mineral Rejects of 5100 MTPA) and 62017 MTPA of waste, in mine lease area of 126.84 Ha. situated at Villages Gumgaon ,Kodegaon and Tigai, Tehsil - Saoner , District - Nagpur , Maharshta Environmental Clearance Reg

Name of Entity / Corporate Office

MOIL Limited

Village(s)

N/A

**District** 

NAGPUR

| Proposal No.                  | IA/MH/MIN/194443/2017        |
|-------------------------------|------------------------------|
| Plot / Survey / Khasra<br>No. | N/A                          |
| State                         | MAHARASHTRA                  |
| MoEF File No.                 | J-11015/74/2017-IA.II<br>(M) |

| Category                  | Non-Coal Mining |
|---------------------------|-----------------|
| Sub-District              | N/A             |
| Entity's PAN              | ****EQUIRED     |
| Entity name as per<br>PAN | MOIL LIMITED    |

### **Compliance Reporting Details**

**Reporting Year** 2025

Half yearly Compliance

Remarks (if any) Report for the period Oct-

24 to March- 25

**Reporting Period** 01 Jun(01 Oct - 31 Mar)

#### **Details of Production and Project Area**

Name of Entity / Corporate Office

**MOIL Limited** 

|              | Project Area as per EC Granted | Actual Project Area in Possession |
|--------------|--------------------------------|-----------------------------------|
| Private      | 114.21                         | 114.21                            |
| Revenue Land | 12.63                          | 12.63                             |
| Forest       | 0                              | 0                                 |
| Others       | 0                              | 0                                 |
| Total        | 126.8399999999999              | 126.8399999999999                 |

## **Production Capacity**

| 1         | Corporate Env<br>Responsibility | ironmental       |                            | dget of Rs 2.0 Cr<br>the public hearing |          |                      | •                   |
|-----------|---------------------------------|------------------|----------------------------|---|----------|----------------------|---------------------|
| Sr.No.    | Condition Typ                   | pe               | Condit                     | ion Details                             |          |                      |                     |
| oecific C | onditions                       |                  |                            |   |          |                      |                     |
| Conditi   | ons                             |                  |                            |   |          |                      |                     |
|           | 2                               | Manganese        | Tons per<br>Annum<br>(TPA) | N/A                                     | 102000   | 0                    |                     |
|           | 1                               | Manganese<br>ore | Tons per<br>Annum<br>(TPA) | N/A                                     | 102000   | 0                    |                     |
|           | Sr. no                          | Product<br>Name  | units                      | Valid Upto                              | Capacity | Production last year | Capacity as per CTO |

| Sr.No.  | Condition Type  | Condition Details  |   |
|---------|---|--|---|
|         | Corporate Environmental<br>Responsibility                         | The budget of Rs 2.0 Crores to address the concerns public in the public hearing to be completed within 3 y date of start of mining operations.  |   |
| The bud | ed within 3 years from the date of sta                            | concerns raised by the public in the public hearing to be art of mining operations. The Mining operations are yet  | Date: 29/05/2025  |
| 2       | MISCELLANEOUS   | The projects Proponent shall organize employment be apprentice/ internship training program with stipend for shall also conduct programs to enhance /the skill of the                                    | or the youth. P   |
|         | ubmission: Agreed to Comply complied once mining activity shall   | start  | Date: 29/05/2025  |
| 3       | GREENBELT   | The Project Proponent shall undertake the plantation plant and row to row distance of 2m with the seedling having at least 90percent survival rate. The Project pro                                      | of 10 ft heigh  |
| ,       | GREENBELI   | provide tree guard to maintain the early stages of plant<br>PP shall also arrange for backpack drip irrigation. Cau<br>previous year should be replaced other than the sapling<br>be planted every year. | salities of the   |
| PPs St  | ubmission: Agreed to Comply on will be done as per the guidelines | PP shall also arrange for backpack drip irrigation. Cau previous year should be replaced other than the sapling be planted every year.   | salities of the   |
| PPs St  | ubmission: Agreed to Comply                                       | PP shall also arrange for backpack drip irrigation. Cau previous year should be replaced other than the sapling be planted every year.   | Date: 29/05/2025  cialist for exers engaged cupational e BP, diabetes months and lingly. PP shallale population |

adopted by the employees engaged in mining operations within the

|         | ubmission: Agreed to Comply safety measures will be applied or                             | nce the mining activity starts.   | Date: 29/05/2025                    |
|---------|--|---|-------------------------------------|
| 6       | MISCELLANEOUS  | The project proponent shall stack the mineral re earmarked area as proposed with adequate safety retaining wall around the dump and other measure mineral during rainy season. PP need to obtain percompetent authority to use the rejects. | by creating<br>es to avoid inrush o |
| All the | ubmission: Agreed to Comply necessary measures will be follow sioning the mining activity. | red and all the permissions will be obtained before   | Date: 29/05/2025                    |
| 7       | WATER QUALITY<br>MONITORING AND<br>PRESERVATION  | The project proponent shall obtain NOC from C withdrawal of water before undertaking mining of  |                                     |
|         | ubmission: Agreed to Comply commencement of mining MOIL                                    | will take all the necessary approvals from CGWA   | Date: 29/05/2025                    |

# **General Conditions**

| Sr.No.              | <b>Condition Type</b>                            | Condition Details  |                                |
|---------------------|--|--|--------------------------------|
| 1                   | Statutory compliance                             | State Pollution Control Board/ Committee shall be display of this EC letter at its Regional office, Dist Centre and Collectors office/ Tahsildar,s Office for  | rict Industries                |
|                     | abmission: Complied licable to project proponent |  | Date: 29/05/2025               |
| 2                   | Statutory compliance                             | The Project Proponent (PP) shall obtain consent grant of EC and effectively implement all condition therein. The mining activity shall not commerce proconsent to establish/consent to operate from the converse Pollution Control Board/ Committee.   | ns stipulated ior to obtaining |
| PPs Su<br>Will be f | abmission: Agreed to Comply Collowed.            |  | Date: 29/05/2025               |
| 3                   | Statutory compliance                             | The Project Proponent shall obtain necessary price the competent authorities for drawl of requisite quawater and from CWGA for withdrawal of ground varieties.   | antity of surface              |
| PPs Su              | abmission: Agreed to Comply                      | The least the company of the company | Date: 29/05/2025               |
|                     | ommencement of mining MOIL                       | will take all the necessary approvals from CGWA  |                                |
|                     | Statutory compliance                             | A copy of EC letter will be marked to concerned NGO etc. if any, from whom suggestion / represen received while processing the proposal.   |                                |

|        |  |  | 29/05/2025                                       |
|--------|--|--|--|
| 5      | Statutory compliance   | This Environmental Clearance shall become operation receiving formal NBWL Clearance from MOEF and C to the recommendations of the standing committee of the Wildlife, if applicable to the Project.  | C subsequent                                     |
|        | <b>Submission:</b> Agreed to Comply mendations of the standing committee                         | tee of National Board of Wildlife Not applicable.  | Date: 29/05/2025                                 |
| 6      | Statutory compliance   | This Environmental Clearance (EC) is subject to ord of honourable Supreme Courts of India, Honble NGT Court Of Law, Common cause conditions as may be a  | and any other                                    |
|        | <b>submission:</b> Agreed to Comply to comply once the mining activity                           | starts   | Date: 29/05/2025                                 |
| 7      | Statutory compliance   | The Project Proponent complies with all the statute and judgment of Hon'ble Supreme Court dated 2nd writ petition (Civil) No. 114 of 2014 in matter of conversus union of India and Ores before commencing to operations.  |  |
| Before | <b>Submission:</b> Agreed to Comply commencement of mining MOIL was not of Hon'ble Supreme Court | vill comply with all the statutory requirements and  | Date: 29/05/2023                                 |
| 8      | Statutory compliance   | The State Government concerned shall ensure that me shall not be commenced till the entire compensation le illegal mining paid by the Project Proponent through the Department of Mining and Geology in strict compliant Judgement of Hon'ble Supreme Court dated 2nd Augu petition (Civil) No. 114 of 2014 in matter of common union of India and Ores. | evied, if any, their respective of st, 2017 in w |
|        | <b>Submission:</b> Agreed to Comply to Comply  | <u>'</u>   | Date: 29/05/2023                                 |
| 9      | Statutory compliance   | This Environmental Clearance shall become operation receiving formal Forest Clearance (FC) under the provided Conservation Act, 1980, if applicable to the project.  |  |
|        | <b>Submission:</b> Complied blicable as there is no forest land in                               | the mining Lease.  | Date: 29/05/2023                                 |
| 10     | Statutory compliance   | The PP shall adhere to the provision of the Mines Ac and Mineral (Development and Regulation), Act 2015 regulations made there under. PP shall adhere to various issued by Directorate General Mines Safety (DGMS) a Bureau of Mines from time to time.  | and rules and us circulars                       |
| MOIL v |  | ons of Mines Act, 1952, Mines and Mineral and all the circulars of DGM and IBM.  | Date: 29/05/2025                                 |
| 11     | Statutory compliance   | The Project Proponent shall follow the mitigation me provided in MoEFCC's Office Memorandum No. Z-1  |  |

IA. II (M), dated 29th October, 2014 titled "Impact of mining activities on Habitations - issues related to the mining Projects wherein Habitation and villages are the part of mine lease areas or Habitations or villages are surrounded by the mine lease area" PPs Submission: Agreed to Comply 29/05/2025 All the mitigation measures will be followed once the Mining operations will commence. The Project Proponent shall inform the MoEF and CC for any change in ownership of the mining lease. In case there is any change 12 in ownership or mining lease is transferred than mining operation Statutory compliance 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. Date: PPs Submission: Agreed to Comply 29/05/2025 Any change in ownership of the mining lease will be informed 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 PM10 and PM2.5 are evident such as haul road, loading and unloading pant and transfer points. The Fugitive **AIR QUALITY** dust emissions from all sources shall be regularly controlled by MONITORING AND 13 installation of required equipment / machineries and preventive **PRESERVATION** maintenance. Use of suitable water soluble chemical dust suppressing agents may be explored for better effectiveness of chemical dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board Date: **PPs Submission:** Agreed to Comply 29/05/2025 Will be complied once mining activity shall start. The Project Proponent shall undertake regular monitoring of natural water course /water resources/ springs and perennial nallahs existing/flowing 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 WATER QUALITY for usage as per CPCB criteria and flow rate. It shall be ensured that 14 MONITORING AND no obstruction and/ or alteration be made to water bodies during **PRESERVATION** mining operations without justification and prior approval of MoEFCC. 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 may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six- monthly basis. Date: PPs Submission: Agreed to Comply 29/05/2025 Will be complied once mining activity shall start.

The water balance/ water auditing shall be carried out and measure WATER QUALITY for reducing the consumption water shall be taken up and reported to 15 MONITORING AND the Regional Office of the MoEF and CC and State Pollution Control **PRESERVATION** Board/ Committee. Date: PPs Submission: Agreed to Comply 29/05/2025 Will be complied once mining activity shall start. The Project Proponent shall obtain consents from all the concerned land owners, before starting of mining operations, as per the 16 Statutory compliance provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it. Date: PPs Submission: Agreed to Comply 29/05/2025 Agreed to comply The Project Proponent shall install a minimum of 3(three) online Ambient Air Quality Monitoring Station with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatologically data about wind direction such that an angle of 120 degree is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, **AIR QUALITY** No2, CO and SO2 etc. as per the methodology mentioned in NAAQS MONITORING AND 17 Notification No. B-29016/20/90/PCI/I, dated 18.11.2019 covering the **PRESERVATION** 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. Date: **PPs Submission:** Agreed to Comply 29/05/2025 Monitoring will be carried out as instructed once mining activity shall start. The Project authorities should widely advertise about the grant of this EC letter by printing the same in 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 Statutory compliance 18 EC and copy of the EC letter is available with the State Pollution Control Board/ Committee and website of the Ministry of Environmental, Forest and Climate Change (www.parivesh.nic.in), A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record Date: PPs Submission: Complied 29/05/2025 Advertisements have been published. In case, immediate mining scheme envisages intersection of ground water table, then environmental clearance from CWGA. In case, mining operation involves intersection of ground water table at a later WATER QUALITY 19 MONITORING AND stage, then PP shall ensure that prior approval from CGWA and **PRESERVATION** MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed be based on detailed hydro- geological study of the area. Date: PPs Submission: Agreed to Comply 29/05/2025 Before commencement of mining MOIL will take all the necessary approvals from CGWA.

| 20     | WATER QUALITY<br>MONITORING AND<br>PRESERVATION   | Regular monitoring of the flow rate of the springs an nallahs flowing in and around the mine lease shall be or records maintain. The natural water bodies and or streat flowing in an around the village, should not be disturbed table should be nurtured so as not to go down below the period. In case of any water scarcity in the area, the Proposition of the provide water to villagers for their use. The provide monitoring of water table in open dug wall lock should be incorporated to ascertain the impact of mining water table. The Report on changes in ground water less shall be submitted on six-monthly basis to the Regional Ministry, CGWA and state Ground Water Department Pollution Control Board. | carried out and<br>ams which are<br>ed. The water<br>he pre- mining<br>oject Propone<br>vision for<br>ated in village<br>ing over groun<br>vel and quality<br>al Office of the |
|--------|---|--|--|
|        | Submission: Agreed to Comply e complied once mining activity sh                                 | nall start.  | Date: 29/05/2025   |
| 21     | WATER QUALITY<br>MONITORING AND<br>PRESERVATION   | Project Proponent shall regularly monitor and mainta W.R.T. ground water level and quality in and around t by establishing a network of existing wells as well as r meter installations during the mining operations in con Central Ground Water Authority/ State Ground Water The Report on changes in Ground water level and qual submitted on six- monthly basis to the Regional Office Ministry, CGWA and State Ground Water Department Pollution Control Board.   | he mine lease<br>new piezo-<br>isultation with<br>Department.<br>lity shall be<br>e of the   |
|        | Submission: Agreed to Comply e complied once mining activity sh                                 | nall start.  | Date: 29/05/2025   |
| 22     | WATER QUALITY<br>MONITORING AND<br>PRESERVATION   | Quality of polluted water generated from mining open include Chemical Oxygen Demand (COD) in mines rumine drainage and metal contamination in runoff shall along with Total Suspended Solid (TDS), Dissolved Ox and Total Suspended Solid (TSS) The monitored data uploaded on the website of the company as well as disproject site in public site in public domain, on a display suitable location near location near the main gate of the The circular No. 20012/1/2006-IA.II (M) dated 27.05.2 Ministry of Environment, Forest and Climate Change referred in this regard.   | be monitored<br>xygen (DO),p<br>shall be<br>played at the<br>y board, at a<br>e company.<br>2009 issued b  |
| No pol | Submission: Agreed to Comply lluted water is generated as there is nining activity shall start. | s not any mining activity started till date. Will be complied  | Date: 29/05/2025   |
| 23     | MINING PLAN   | The Project Proponent shall get the Final Mine Closu with Financial Assurance approved from Indian Burea Department of Mining and Geology as required under of the MMDR Act, 1957 and Rules/ Guidelines made copy of approved final mine closure plan shall be submonths of the approval of the same from the competen   | u of Mines/<br>the Provision<br>there under. A<br>nitted within 2<br>at authority to   |
|        |   | the concerned Regional Office of the Ministry of Envir<br>and Climate Change for record and verification.  | ronment, Fore  |

|    |  | shall be submitted to concerned regional office of Mo  | Date:   |
|----|--|--|---|
|    | <b>Submission:</b> Agreed to Comply stability study will be carried out in o | ease the dump height is more than 30 meters.   | 29/05/2025  |
| 25 | LAND RECLAMATION   | Catch drains, settling tanks and siltation ponds of ap shall be constructed around the mine working, minera Soil/OB/Waste dumps to prevent run off of water and sediments directly into the water bodies (Nallah/ Rive The collected water should be utilized for watering the roads, green belt development, plantation etc. the drain sedimentation sumps etc. shall be de-silted regularly, after monsoon and maintained properly.  | I yards and Top<br>flow of<br>r/ Pond etc.).<br>e mine area,<br>n/                            |
|    | Submission: Agreed to Comply e complied once mining activity shal            | l start.   | Date: 29/05/2025  |
| 26 | LAND RECLAMATION   | The soil, any, shall be temporarily stored at lease be for The physical parameters the top dumps like width slope be governed as per the approved Mining Plan ar guidelines framed by DGMS w.r.t. safety mining oper strictly adhered to maintain the stability of dumps. top used land reclamation and plantation purpose.  | and angle of ad per the rations shall be  |
|    | Submission: Agreed to Comply e complied once mining activity shal            | l start.   | Date: 29/05/2025  |
| 27 | WATER QUALITY<br>MONITORING AND<br>PRESERVATION                              | Project Proponent shall plan, develop and implement harvesting measures on long term basis to augment grant resources in the area in consultation with Central Ground Board/ State Ground Water Department. A report on a recharged needs to be submitted to Regional Office Mannually.  | ound water<br>and Water<br>amount of wate   |
|    | Submission: Agreed to Comply e complied once mining activity shal            | l start.   | Date: 29/05/2025  |
| 28 | WATER QUALITY<br>MONITORING AND<br>PRESERVATION                              | Industrial waste water (workshop and waste water firshould be properly collected and treated so as to conformatified standards prescribed from time to time. The side prescribed through Consent to operate (CTO) issue State Pollution Control Board (SPCB). The workshop be treated after its initial passage through Oil and greater through the state of the sta | orm to the<br>tandards shall<br>d by concerned<br>effluent shall                              |
|    | Submission: Agreed to Comply e complied once mining activity shall           | l start.   | Date: 29/05/2025  |
| 29 | MINING PLAN  | The Project Proponent shall adhere to the working p mining plan which was submitted at the time of EC ary year-wise plan was mentioned for total excavation i.e. mineral, waste, over burden, inter burden and top soil in basic mining proposal like mining technology, total mineral and waste production, lease area and scope of method of mining, overburden and dump managemen dump mining, mineral transportation mode, ultimate of   | opraisal wherein<br>quantum of<br>etc No change<br>excavation,<br>working (viz.<br>t, O.B and |

|    |  | Environment, Forest and Climate Change, which entail environmental impacts, even if it is a part of approved modified after grant of EC or granted by State Govt. in Short Term Permit (STP), Query license or any other n  | mining plan the form to   |
|----|--|---|---|
|    | Submission: Agreed to Comply complied once mining activity shall st  | art.  | Date: 29/05/2025  |
| 30 | Noise Monitoring & Prevention  | The Illumination and sound at night at project sites divillages in respect of both human and animal population sleeping disorders and stress may affect the health in the located close to mining operations. Habitations have a darkness and minimal noise levels at night. PPs must enbiological clock of the villages is not disturbed; by orient floodlights/ masks away from the villagers and keeping levels well within the prescribed limits for day /night h   | n. Consequent<br>the villages<br>right for<br>insure that the<br>conting the<br>g the noise                                     |
|    | Submission: Agreed to Comply complied once mining activity shall st  | art.  | Date: 29/05/2025  |
| 31 | Noise Monitoring & Prevention  | The Project Proponent shall take measures for contro levels below 85 dBA in the work environment. The wo in operations of HEMM, etc. should be provided with expounding a provided with protective respiratory devices along with training, awareness and information on safety and health PP shall be held responsible in case it has been found the personals protective respiratory devices along with training awareness and information on safety and health PP shall be held responsible in case it has been found the personals protective requipment.   | rkers engaged<br>ear plugs<br>usty areas shawith adequate<br>th aspects. The<br>hat workers/                                    |
|    | Submission: Agreed to Comply complied once mining activity shall st  | art.  | Date: 29/05/2025  |
| 32 | MINING PLAN  | The land-use of the mine lease area at various stages scheme as well as at the end-of-life shall be governed a approved Mining Plan. The excavation vis-a-vis backfi mine lease area and corresponding afforestation to be r reclaimed area shall be governed as per approved minis shall ensure the monitoring and management of rehabil until the vegetation becomes self-sustaining. The comp shall be submitted half-yearly to the MoEFCC and its of Regional Office.   | s per the Illing in the aised in the ng plan. PP itated areas liance status   |
|    | Submission: Agreed to Comply working will be in line with the approx | ved mining plan.  | Date: 29/05/2025  |
| 33 | GREENBELT  | The Project Proponent shall undertake all precautions for conservation and protection of endangered flora and Schedule-1 species during mining operation. A Wildlif Plan shall be prepared for the same clearly delineating taken for conservation of flora and fauna. The Plan shall by Chief Wild Life Warden of the State Govt. The Proj shall undertake all precautionary measures for conservation of endangered flora and fauna and Schedule during mining operation. A Wildlife Conservation Plan prepared for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken and suppressed for the same clearly delineating action to be taken as the same clearly delineating action to the same clearly delineating action to be taken as the same clearly delineating action to the same clearly delineating action | I fauna and<br>the Conservation<br>action to be<br>Il be approved<br>the ect Proponent<br>ation and<br>-1 species<br>a shall be |

|         | Submission: Agreed to Comply compulsory measures will be compl   | lied.   | Date: 29/05/2025   |
|---------|--|---|--|
| 34      | GREENBELT  | And Implemented in consultation with the State For Department. A copy of Wildlife Conservation Plan an implementation status (annual) shall be submitted to to Office of the Ministry   | d its  |
|         | Submission: Agreed to Comply compulsory measures will be compl   | lied.   | Date: 29/05/2025   |
| 35      | LAND RECLAMATION   | The Overburden (O.B.) generated during the mining shall be stacked at earmarked OB dump site(s) only at be kept active for a long period of time. The physical the OB dumps like height, width and angle of slope shas per the approved Mining Plan as per the guidelines issued by D.G.M.S w.r.t. safety in mining operations adhered to maintain the stability of top soll/OB dumps shall be used for land reclamation and plantation   | nd it should no<br>parameters of<br>hall be governed<br>circulars<br>shall be strictly                           |
|         |  |   | Date:  |
|         | Submission: Agreed to Comply complied once mining activity shall | l start.  | 29/05/2025   |
| 36      | LAND RECLAMATION   | The reclamation of waste dump sites shall be done is<br>manner as per the Approved Mining Plan cum Progres<br>Closure Plan  |  |
|         | Submission: Agreed to Comply complied once mining activity shall | l start.  | Date: 29/05/2025   |
| 37      | LAND RECLAMATION   | 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 slop 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 wast dumps.  |  |
| PPs S   |  | '   | Data   |
|         | Submission: Agreed to Comply complied once mining activity shall | l start.  | Date: 29/05/2025   |
|         |  | The slope of dumps shall be vegetated in scientific resuitable native species to maintain the slope stability, and surface run off. The selection of local species regularized parameters and help in adaptation of plant species microclimate. The gullies formed on slopes should be taken care of as it impacts the overall stability of dumpers should be consolidated with the help of dozer/of thereby ensuring proper filling/leveling of dumpers areas, use of geo textiles/ geo-membranes / clay linerect. shall be undertaken for stabilization of the dump.      | 29/05/2025 manner with prevent erosio ulates local ecies to the adequately ps. The dump ompactors s. In critical |
| Will be | complied once mining activity shall                              | The slope of dumps shall be vegetated in scientific resuitable native species to maintain the slope stability, and surface run off. The selection of local species regularized parameters and help in adaptation of plant species microclimate. The gullies formed on slopes should be taken care of as it impacts the overall stability of dum mass should be consolidated with the help of dozer/or thereby ensuring proper filling/leveling of dump mass areas, use of geo textiles/ geo- membranes / clay liner etc. shall be undertaken for stabilization of the dump. | 29/05/2025 manner with prevent erosio ulates local ecies to the adequately ps. The dump ompactors s. In critical |

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 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, Aluminium, 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 x14 Inches and of good Quality).

**PPs Submission:** Agreed to Comply

All the compulsory steps will be taken towards the improvement of health of workers and nearby villagers.

Date: 29/05/2025

40 LAND RECLAMATION

Check dams of appropriate size, gradient and length shall be constructed around mine prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50 percent shall be kept for designing of sump structures over and above peak rainfall (based on years data) and maximum discharge in the and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/silt material. The sedimentation pit/ sumps shall be constructed at the corners of the garland drains.

**PPs Submission:** Agreed to Comply Will be complied once mining activity shall start.

Date: 29/05/2025

41 PUBLIC HEARING

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 any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.

**PPs Submission:** Agreed to Comply

Records will be maintained regarding the same also will be submitted time to time to Regional Office of MoEFandCC

Date: 29/05/2025

42 MISCELLANEOUS

No Transportation of the minerals shall be allowed in case of roads passing through villages/habitations. In such cases, PP shall construct

a bypass road for the purpose of transportation of the minerals leaving an adequate gap(say at least 200 meters) so that the adverse impact sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall 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 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 vehicles from authorized pollution testing centers. Date: PPs Submission: Agreed to Comply 29/05/2025 Will be complied once mining activity shall start. The haulage road within the mine lease should be provided with a permanent water sprinkling arrangement of dust suppression. Other roads within the mine lease should be wetted regularly with tankermounted 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. pollution 43 **MISCELLANEOUS** control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions. Date: **PPs Submission:** Agreed to Comply 29/05/2025 Will be complied once mining activity shall start. The Project Proponent shall develop greenbelt in and along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The 44 **GREENBELT** whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan. Date: PPs Submission: Agreed to Comply 29/05/2025 Will be complied once mining activity shall start. 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 45 **GREENBELT** 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 should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees. Date: PPs Submission: Agreed to Comply Will be complied once mining activity shall start.

|  |   |   | 29/05/2025  |
|--|---|---|---|
| 46   | GREENBELT   | The Project Proponent shall make necessary alternation arrangements for livestock feed by developing grazing view to compensate those areas which are coming with lease. The development of such grazing land shall be do consultation with the State Government. In this regard Proponent should essentially implement the directions Supreme Court with regard to acquisition of grazing lattrees on such grazing ground, which provide mid-day scorching sun, should be scrupulously guarded/protectifelling and plantation of such trees should be promoted.  | land with a<br>nin the mine<br>lone in<br>, Project<br>of the Hon'ble<br>and. The spars<br>shelter from the<br>ted against  |
|  | ubmission: Agreed to Comply compulsory measures will be com   | nplied.   | Date: 29/05/2025  |
| 47   | PUBLIC HEARING  | The Project Proponent shall appoint an Occupational Specialist for Regular as well as Periodical medical ex the workers engaged in the mining activities, as per the guidelines. The records shall be maintained properly. It carryout Occupational health check-ups in respect of ware having aliments like BP, diabetes, habitual smoking check-ups shall be undertaken once in six months and remedial/preventive measures be taken. A status report may be sent to MOEFCC Regional Office and DGMS basis.   | amination of<br>e DGMS<br>PP shall also<br>vorkers which<br>g, etc. The<br>necessary<br>et on the same  |
|  | ubmission: Agreed to Comply compulsory measures will be con   | nplied.   | Date: 29/05/2025  |
| 48   | PUBLIC HEARING  | The Project Proponent must demonstrate commitmer towards "Zero Harm from their mining activities and c Risk Assessment (HRA) for identification workplace hassess their potential risks to health and determine app measures to protect the health and wellbeing of worker community. The proponent shall maintain accurate and records of the HRA. The HRA for neighbourhood has Public Health Problems like Malaria, Tuberculosis, HI Diarrhoea in children under five, respiratory infections mass cooking. The proponent shall also create awarene the nearby community and workers for Sanitation, Per | arry out Healinazards and ropriate contress and nearby disystematic to focus on V, Anaemia, due to bio less and educational Hygieness and Hygieness and Educational Hygieness and |
|  |   | Hand washing, not to defecate in open, Women Health (Providing Sanitary Napkins), hazard of tobacco and a Proponent shall carryout base line HRA for all the cate workers and thereafter every five years.  | lcohol use. Th  |
| MOIL their minds that their minds the standards are the standards  | ning activities and carry out Heal  | (Providing Sanitary Napkins), hazard of tobacco and a Proponent shall carryout base line HRA for all the cate workers and thereafter every five years.  monstrate commitment to work towards "Zero Harm from th Risk Assessment (HRA) for identification workplace health and determine appropriate control measures to   | lcohol use. The gory of  Date:  |
| MOIL their minds that their minds the second | will take all necessary steps to der<br>ning activities and carry out Heal<br>and assess their potential risks to | (Providing Sanitary Napkins), hazard of tobacco and a Proponent shall carryout base line HRA for all the cate workers and thereafter every five years.  monstrate commitment to work towards "Zero Harm from th Risk Assessment (HRA) for identification workplace health and determine appropriate control measures to   | Date: 29/05/2025  |

|   | ations will be taken.   |  | 29/05/2025   |
|---|---|--|--|
| 50  | PUBLIC HEARING  | Project Proponent shall make provision for the housing labours or shall construct labour camps within/outside owned land) with necessary basic infrastructure facilitic cooking, mobile toilets, mobile STP, safe drinking wat health care, creche for kids etc. The housing may be preform of temporary structures which can be removed after completion of the project related infrastructure. The downwater should be treated with STP in order to avoid contunderground water.   | (company<br>des like fuel for<br>er, medical<br>rovided in the<br>iter the<br>omestic waste  |
| PPs Submission: Agreed to Comply Provision for housing and requirements will be made. |   |  | Date: 29/05/2025   |
| 51  | PUBLIC HEARING  | 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 Activation Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration   |  |
| PPs Submission: Agreed to Comply Will be followed.                                    |   |  | Date: 29/05/2025   |
| 52  | Corporate Environmental<br>Responsibility   | The Project Authorities should inform to the Regiona regarding date of financial closures and final approval by the concerned authorities and the date of start of lan work.   | of the project   |
|   |   |  |  |
|   | <b>Submission:</b> Agreed to Comply e followed.   |  | Date: 29/05/2025   |
|   |   | The Project Proponent shall submit six monthly component status of the implementation of the stipulated en safeguards to the MoEFCC and its concerned Regional Central Pollution Control Board and State Pollution Co  | 29/05/2025<br>pliance reportivironmental<br>l Office,  |
| Will be   | e followed.  Corporate Environmental  | on the status of the implementation of the stipulated en safeguards to the MoEFCC and its concerned Regional Central Pollution Control Board and State Pollution Co  | 29/05/2025<br>pliance reportivironmental<br>l Office,  |
| 53  PPs The co  | Corporate Environmental Responsibility  Submission: Agreed to Comply  | on the status of the implementation of the stipulated en safeguards to the MoEFCC and its concerned Regional Central Pollution Control Board and State Pollution Co  | 29/05/2025  pliance reportivironmental Office, ontrol Board.  Date: 29/05/2025   |
| PPs The co  | Corporate Environmental Responsibility  Submission: Agreed to Comply ondition will complied once the mining   | on the status of the implementation of the stipulated en safeguards to the MoEFCC and its concerned Regional Central Pollution Control Board and State Pollution Control Board a | 29/05/2025  pliance reportivironmental Office, ontrol Board.  Date: 29/05/2025   |
| PPs The co  | Corporate Environmental Responsibility  Submission: Agreed to Comply ondition will complied once the mining Noise Monitoring & Prevention  Submission: Agreed to Comply | on the status of the implementation of the stipulated en safeguards to the MoEFCC and its concerned Regional Central Pollution Control Board and State Pollution Control Board a | pliance reportivironmental Office, ontrol Board.  Date: 29/05/2025  The nearest odically as per position diverting the of such function of the position of the |

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| 56                  | Corporate Environmental<br>Responsibility       | Responsibility (<br>(M) dated 01.05<br>separate bank ac<br>implemented in<br>implementation<br>photographs, pu<br>infrastructure de  | and budget earmarked for Co<br>CER) as per Ministry's O.M. I<br>.2018 or as proposed by EAC<br>count. The activities propose<br>a time bound manner and and<br>of the same along with docur<br>rechase documents, latitude are<br>eveloped and road constructed<br>ce MoEFCC annually along | No 22-65/2017-1A. II<br>C should be kept in a<br>ed for CER shall be<br>nual report of<br>mentary proof viz.<br>and longitude of<br>I needs to be submitted |
|                     | <b>Submission:</b> Agreed to Comply e followed. |  |   | Date: 29/05/2025  |
| 57                  | Corporate Environmental<br>Responsibility       | cover) of the entermonitoring land   | oponent shall prepare digital<br>ire lease area once in five yea<br>use pattern and submit a repo<br>of the MoEF and CC.  | ars purpose of  |
|                     | <b>Submission:</b> Agreed to Comply e followed. | <u>'</u>   |   | Date: 29/05/2025  |
| 58                  | Corporate Environmental<br>Responsibility       | A separate 'Environmental Management Cell with suitable qualifie 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 Environmental Scientis and Mining Engineers shall be appointed and submit a report to RO, MOEFCC. |   |   |
| PPs<br>Agree        | <b>Submission:</b> Agreed to Comply d           | '  |   | Date: 29/05/2025  |
| 59                  | Corporate Environmental<br>Responsibility       | monitor complia<br>authorities shou  | Regional Office of the MoE<br>ince of the stipulated conditional<br>ld extend full cooperation to<br>e requisite data/ Information/   | ons. The project the MoEFCC officer(s)  |
| <b>PPs</b><br>Noted | Submission: Agreed to Comply                    | ·  |   | Date: 29/05/2025  |
|                     |   |  | lre.  |   |
|                     |   | Visit Remar  | KS  |   |
| ast Sit             | e Visit Report Date:                            | Visit Remar  |   |   |
|                     | e Visit Report Date:<br>nal Remarks:            | N/A<br>Half  |   | or the period Oct 2024 t  |