

मॉयल लिमिटेड
(पुर्व मैगनीज ओर इडिया लिमिटेड)
भारत सरकार का उपक्रम
मॉयल भवन 1.ए काटोल रोड नागपुर 440013
गुमगाव खान
पो. खापा, तह. सावनेर जिला. नागपुर (एम.एस)
दुरभाषक- 07113&286123. निवास- 286133
पिनकोड- 441101
सी.आय.एन L99999MH1962GOI012398



MOIL LIMITED
(Formerly Manganese Ore (India) Ltd.)
(A Govt. of India Enterprise)
MOIL BHAVAN, 1-A KATOL ROAD, NAGPUR-440013
Gumgaon Mine
Post- Khapa, Tah-Saoner, Distt- Nagpur (M.S)
Telephone Off- 07113-286123, Resi -286133
Pin Code. 441101
CIN:L99999MH1962GOI012398

OHSAS CERT. NO: 18001:2007
Website:www.moil.nic.in

Ref.No.: GUM/MOEF/Comp./2024-25/2974

Date: 03.12.2024

**The Deputy Director General of Forests (Central),
West Central Zone,
Regional Office, New Secretariate Building,
Civil Lines, Nagpur-440001.**

Sub: Compliance for specific and general conditions of Environment clearance for the half year ending 30th September 2024 of Gumgaon (Kodegaon) 126.84 Ha Manganese Ore Mine.

Ref: F.No. 3-11015/74/2017-IA.[M] Government of India Date: 18 June, 2021

Dear Sir,

With reference to the above, please find enclosed herewith the subject compliance in respect of Gumgaon (Kodegaon) Manganese Ore Mine 126.84 Ha Lease area.

Yours faithfully,

**Mine Manager
Gumgaon Mine.**

Enclosed: As above

Copy to:

1. The Joint General Manager (Env. Cell), MOIL Ltd, Nagpur.

**EC compliance report of F.No. 3-11015/74/2017-IA.[M] Government of India Date: 18
June, 2021**

**of Mining Lease 126.84 Ha for the Half year
April 2024 to Sept 2024**

Specific conditions		Compliance
1.	The project proponent shall stack the mineral rejects in the earmarked area as proposed with adequate safety by creating retaining wall around the dump and other measures to avoid inrush of mineral during rainy season. PP need to obtain permission from competent authority to use the rejects.	All the necessary measures will be followed and all the permissions will be obtained before commissioning the mining activity.
2.	The budget of Rs 2.0 Crores to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations.	The budget of Rs 2.0 Crores to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. The Mining operations are yet to be started.
3.	The projects Proponent shall organize employment based apprentice/internship training program with stipend for the youth. PP shall also conduct programs to enhance /the skill of the local people.	Will be complied once mining activity shall start.
4.	The Project Proponent shall undertake the plantation in plant-to-plant and row to row distance of 2m with the seedling of 10 ft height having at least 90% survival rate. The Project proponent shall provide tree guard to maintain the early stages of plant growth. The PP shall also arrange for backpack drip irrigation. Causalities of the previous year should be replaced other than the saplings proposed to be planted every year.	Plantation will be done as per the guidelines.
5.	The Project Proponent shall ensure that adequate safety measures adopted by the employees engaged in mining operations within the mine premises to avoid dust inhalation.	All the safety measures will be applied.
6.	Proponent shall appoint an occupational Health Specialist for regular and periodical medical examination of the workers engaged in the Project and maintain records accordingly, also Occupational health check-up for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/prevention measures taken accordingly. PP shall take care of Health and sanitation requirements of female population in the peripheral areas of the mines where CSR Activities are being undertaken.	Will be complied once the mining activity shall start.
7.	The project proponent shall obtain NOC from CGWA for withdrawal of water before undertaking mining operations.	Before commencement of mining MOIL will take all the necessary approvals from CGWA.

b	Standard Conditions	
I	Statutory Compliance	Compliance status
1.	This Environmental Clearance (EC) is subject to orders /judgement of honourable Supreme Courts of India, Hon'ble NGT and any other Court Of Law , Common cause conditions as may be applicable.	Agreed.
2.	The Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd	Before commencement of mining MOIL will comply with all the

	August, 2017 in writ petition (Civil) No. 114 of 2014 in matter of common cause versus union of India & Ores before commencing the mining operations.	statutory requirements and judgment of Hon'ble Supreme Court
3.	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 Judgement 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 & Ores.	Not Applicable.
4.	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 of Wildlife, if applicable to the Project.	Recommendations of the standing committee of National Board of Wildlife Not applicable.
5.	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.	Not applicable as there is no forest land in the mining Lease.
6.	The Project Proponent (PP) shall obtain consent to operate after grant of EC and effectively implement all 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/ Committee.	Will be followed.
7.	The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act 2015 and rules & 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.	MOIL will follow all the rules & regulations of Mines Act, 1952, Mines and Mineral (Development & Regulation), Act 2015 and all the circulars of DGM and IBM.
8.	The Project Proponent shall obtain consents from all the concerned land owners, before starting of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.	Mining operations will commence only after obtaining consents from all the concerned land owners as per the provisions of MMDR Act, 1957.
9.	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-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".	All the mitigation measures will be followed once the Mining operations will commence.
10.	The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CWGA for withdrawal of ground water for the project.	Before commencement of mining MOIL will take all the necessary approvals from CGWA.
11.	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.	Copy EC letter has been sent to Panchayats of Tighai, Gumgaon and Kodegaon/ local NGO etc
12.	State Pollution Control Board/ Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tahsildar,s Office for 30 days.	
13.	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	Advertisements have been published.

	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 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.	
14.	The Project Proponent shall inform the MoEF&CC 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.	Any change in ownership of the mining lease will be informed.

I.	Air quality monitoring and preservation	Compliance
(1)	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° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO ₂ , CO and SO ₂ etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2019 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.	Monitoring will be carried out as instructed once mining activity shall start.
(2)	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 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 chemical dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board	Will be complied once mining activity shall start.

III.	Water quality monitoring and preservation	Compliance
1.	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 stage , then PP shall ensure that prior approval from CGWA and 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.	Before commencement of mining MOIL will take all the necessary approvals from CGWA.

2.	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 an 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 villagers for their use. The provision for regular monitoring of water table in open dug wall 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 Ground Water Department / State Pollution Control Board.	Will be complied once mining activity shall start.
3.	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 operations 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 Ground Water Department/ State Pollution Control Board.	Will be complied once mining activity shall start.
4.	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 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 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.	Will be complied once mining activity shall start.
5.	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 Solid (TDS),Dissolved Oxygen (DO),pH and Total Suspended Solid (TSS) The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public site in public domain, on a display board, at a suitable location near	No polluted water is generated as there is not any mining activity started till date. Will be complied once mining activity shall start.

	location near the main gate of the company. The circular No. 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.	
6.	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 Ground Water Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	Will be complied once mining activity shall start.
7.	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated 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.	Will be complied once mining activity shall start.
8.	The water balance/ water auditing shall be carried out and measure for reducing the consumption water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Will be complied once mining activity shall start.

IV	Noise and vibration monitoring and prevention	Compliance
1.	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Will be complied once mining activity shall start.
2.	The Illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. 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.	Will be complied once mining activity shall start.
3.	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including labourers 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/ labourers are working without personal protective equipment.	Will be complied once mining activity shall start.

v.	Mining plan	Compliance
1.	The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein 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	All the working will be in line with the approved mining plan.

	technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & 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.	
2.	The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & 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.	Progressive Mine Closure Plan along with Financial Assurance has been approved from Indian Bureau of Mines .Final Mine closure plan will be submitted for approval at the time of closure of Mine.
3.	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-à-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 MoEFCC and its concerned Regional Office.	All the working will be in line with the approved mining plan.

vi.	Land reclamation	Compliance
1.	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.	Will be complied once mining activity shall start.
2.	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.	Will be complied once mining activity shall start.
3.	The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.	Will be complied once mining activity shall start.
4.	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 help in adaptation of	Will be complied once mining activity shall start.

	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.	
5.	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.	Slope stability study will be carried out in case the dump height is more than 30 meters.
6.	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off 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 drain/sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon and maintained properly.	Will be complied once mining activity shall start.
7.	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% 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.	Will be complied once mining activity shall start.
8.	The soil, any, shall be temporarily stored at lease be kept unutilized for The physical parameters the top dumps like width and angle of slope be governed as per the approved Mining Plan and per the guidelines framed by DGMS w.r.t. safety mining operations shall be strictly adhered to maintain the stability of dumps. topsoil shall be used land reclamation and plantation purpose.	Will be complied once mining activity shall start.

vii	Transportation	Compliance
1.	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	Will be complied once mining activity shall start.

	under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all vehicles from authorized pollution testing centers.	
2.	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 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. pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	Will be complied once mining activity shall start.

viii	Plantation	Compliance
1.	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 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.	Will be complied once mining activity shall start.
2.	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 should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	Will be complied once mining activity shall start.
3.	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.	All the compulsory measures will be complied.
4.	The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-1 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	All the compulsory measures will be complied.

	Warden of the State Govt. The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-1 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.	
5.	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	All the compulsory measures will be complied.

ix	Public hearing and human health issues	Compliance
1.	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 MOEFCC Regional Office and DGMS on half-yearly basis.	All the compulsory steps will be taken towards the improvement of health of workers and nearby villagers.
2.	The Project Proponent must demonstrate commitment to work towards "Zero Harm from their mining activities and carry out Health Risk 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 neighbourhood 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.	MOIL will take all necessary steps to demonstrate commitment to work towards "Zero Harm from their mining activities and carry out Health Risk 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. .
3.	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	All the compulsory steps will be taken towards the improvement of health of workers and nearby villagers.

	<p>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).</p>	
4.	<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 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.</p>	<p>Records will be maintained regarding the same also will be submitted time to time to Regional Office of MoEF&CC.</p>
5.	<p>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</p>	<p>Precautions will be taken.</p>
6.	<p>Project Proponent shall make provision for the housing for workers/labours or shall construct labour 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, creche 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.</p>	<p>Provision for housing and requirements will be made.</p>
7.	<p>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</p>	<p>Will be followed.</p>

x	Corporate Environment Responsibility (CER)	Compliance
1.	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-1A. II (M) dated 01.05.2018 or as proposed by EAC 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 MoEFCC annually along with audited statement.	Will be followed.
2.	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 MoEFCC and its concerned Regional Office.	Will be followed.

x	Miscellaneous	Compliance
1.	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 .	The condition will complied once the mining activity starts..
2.	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Agreed.
3.	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEFCC and its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	The condition will complied once the mining activity starts..
4.	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 Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MOEFCC.	Agreed.
5.	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data/ Information/monitoring reports.	



**Mine Manager
Gumgaon Mine**