

स्टील ऑथोरिटी ऑफ इंडिया लिमिटेड

(भारत सरकारका प्रतिष्ठान)

रॉ मटेरियल्स डिभिजन

मनोहरपुर ओर माईंस

पोस्ट - चिरियां, प० सिंहभूम, झारखण्ड- ८३३१०६

दुरभाष-०९३०८१२८७७६,

E-mail: momchiria@gmail.com



STEEL AUTHORITY OF INDIA LIMITED
(A Government of India Enterprise)

RAW MATERIALS DIVISION

MANOHARPUR ORE MINES

P.O. - CHIRIA, W. Singhbhum, Jharkhand-833106

P Ph. No. 09308128774,

E-mail: momchiria@gmail.com

Ref. No. MOM/PC/6/ 94.

Date:22.11.2019.

To,

Additional PCCF (IFS)

Ministry of Environment, Forest and Climate Change

Regional Office (ECZ)

Bungalow No. A - 2, Shyamali Colony

Ranchi - 834 002

Sub: Six Monthly Compliance of the Conditions Stipulated in Environmental Clearance of Maclellan Iron ore mining project for the period April-2019 to September-2019 of M/s SAIL.

Sir,

We are hereby submitting status of compliance for the above period up to 30th September, 2019 to the conditions stipulated in the Environmental Clearance granted by MoEF vide No:J-11015/249/2009-IA.II(M), Dated:23rd March, 2011 in respect of Maclellan Iron ore mining project of Manoharpur Ore Mines of M/s SAIL for production of 4.20 MTPA of Iron ore.

It may, please be noted that mine is not in operation since 08.12.2005 for want of Stage II Forestry Clearance.

Thanking you,

Yours faithfully,
For Steel Authority of India Ltd.

General Manager (Mech.)
Manoharpur Ore Mines
Raw Material Division, SAIL

Copy to:

1. Director, IA, MoEF & CC, GOI, Indira Paryavaran Bhavan, Aliganj, Jor Bagh Road, New Delhi - 110 003.
2. Member Secretary, JSPCB, HEC, Dhurwa, Ranchi - 834 004.
3. In-charge, Eastern Zone, CPCB, Southern Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.)

**Status of Compliance to Conditions Stipulated in
Environmental Clearance granted**

by

MoEFCC

**Vide Order No:J-11015/249/2009-IA.II(M), Dated:23rd March,
2011 for 4.20 MTPA**

Of

Maclellan Iron Ore mining project

(Period: April' 2019 to September' 2019)



STEEL AUTHORITY OF INDIA LIMITED

RAW MATERIALS DIVISION
MANOHARPUR ORE MINES
P.O. – CHIRIA, PIN : 833106
DIST. : SINGHBHUM (WEST)
JHARKHAND STATE



Environment Clearance letter No:J-11015/249/2009-IA.II(M), Dated: 23rd March, 2011 of Mclellan Iron Ore Mining project for production of 4.20 MTPA (ROM) of iron ore.

Half yearly compliance report for the period: April-2019 to September-2019

A. Specific Condition

Sl. No	Condition	Compliance Status as on Sep.' 2019
i	The project proponent shall obtain Consent to Establish and Consent to Operate from the Jharkhand State Pollution Control Board and effectively implement all the conditions stipulated therein.	Consent to Establishment was obtained from Jharkhand State Pollution Control Board for a capacity of 4.20 MPTA, vide letter Ref. no: PC/NOC/JSR/26/10/G-172, dated: 25.01.2016.
ii	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004, as may be applicable to this project.	Noted.
iii	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to the project.	Not Applicable
iv	Environmental clearance is subject to obtaining clearance under Forest (Conservation) Act, 1980 for diversion of forestland. Mine working shall be restricted to the area for which forestry clearance has been obtained.	Stage-1 Forest Clearance was obtained vide letter Ref: F. No.8-70/2009-FC, dated: 09.03.2011. For mine working over 379.228 ha. Stage-01 conditions compliances submitted & Grant of Final Clearance is awaited.
v	Prior environmental Clearance from the Standing Committee of the National Board for wildlife shall be obtained due to location of the mine within the core zone of Singhbhum Elephant Reserve, before starting any activity relating to the project at site. All the conditions stipulated by the standing committee shall be effectively implemented in the project. It shall be noted that wildlife clearance shall be granted to the project and that your proposal for wildlife clearance shall be considered by the competent authority ties on its merits and decision taken. The investment made in the project, if any based on environmental clearance granted to the project, in anticipation of the clearance from wildlife clearance shall be entirely at the cost and risk of the project proponent and Ministry of Environment and Forests shall not be responsible in this regard in any manner.	Not Applicable.



Sl. No	Condition	Compliance Status as on Sep.' 2019
vi	The Mining operations shall be restricted to above the groundwater table and it should not intersect the groundwater table. In case of working below the groundwater table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.	Water table level at our mining lease area is about 400 m AMSL and ultimate depth of our proposed workings will be above 438 m AMSL. Hence there is no possibility for intersecting of Mine workings with the ground water table. Due to any reason it is required to work below the groundwater table, we will obtain prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study will be carried out.
vii	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. The first order streams and the seasonal nallahs originating from the mining lease area shall be protected.	No working during April' 2019 to September' 2019. Proper Precautions will be taken to avoid obstructions to Natural water resources by providing drains and bounds etc. at required places during operations period.
viii	The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	No working during April' 2019 to September' 2019. After starting operations, the top soil will be temporarily stored at earmarked site. The stored top soil will be used in plantation works.
ix	The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. There shall be two external over burden dumps having maximum projected height of 7 m and 32 m. The maximum height of the dumps shall not exceed 32 m having two terraces and the overall slope of the dump shall be maintained to 28. The OB dump should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of	No working during April' 2019 to September' 2019. After starting operations the over burden (OB) generated during the mining operations will be stored at earmarked site. Phase-wise stabilization will be carried out. Six monthly Compliance Status is being submitted to the Ministry of Environment & Forests and Climate Change and its Regional Office located at Ranchi.



Sl. No	Condition	Compliance Status as on Sep.' 2019
	Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.	
x	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working soil, mineral and OB dump(s) to prevent run off of water and flow of sediments directly into the Hamsadagaar Nallah, the Koina River, the seasonal nallahs and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted particularly after the monsoon and maintained properly. Garland drains, setting tanks and check dams of appropriate size, gradient and length shall be constructed around the mine pit, soil, mineral and over burden dumps to prevent run off of water and flow of sediments directly into the Hamsadagaar Nalla, the Koina River, the seasonal nallahs and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.	No working during April' 2019 to September' 2019. After starting operations, Repair of old Retaining wall, Garland drain, siltation pond and construction of new Retaining wall, Garland drain, siltation pond at required places will be carried out .
xi	Dimension of the retaining wall at the toe of the over burden dumps and the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.	No working during April' 2019 to September' 2019. Dimension of the retaining wall and check dams will be designed based on the rainfall data.
xii	Plantation shall be raised in an area of 367.228 ha including a 7.5 m wide green belt in the safety zone around the mining lease, over burden dumps, backfilled and reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine	No working during April' 2019 to September' 2019. Greenbelt will be developed all along the mine lease area in a phased manner and shall be completed within first five years after the start of mining operations.



Sl. No	Condition	Compliance Status as on Sep.' 2019																					
	lease area in a phased manner and shall be completed within first five years.																						
xiii	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	No working during April' 2019 to September' 2019. Regular water sprinkling will be done on haul roads, loading and unloading point and all transfer points during operation period.																					
xiv	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	As the mine pits are located at the hill top, all the surface runoff from the mining areas have been diverted to mine pits, from where it seeps in to the ground. Check bunds, Garland drains and siltation pond has been constructed to control surface runoff.																					
xv	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times on a year-pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forest and its Regional Office Bhubaneswar, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	Network of 6 nos. of existing Dug Wells located around the mines have been selected for ground water level monitoring. Ground water table levels at the selected wells are being monitored at regular intervals i.e. 4 times in a year. The Range of water levels pre-monsoon (May) 2019 and during monsoon (August) 2019 is as follows, <table border="1"> <thead> <tr> <th>ID</th><th>Location</th><th>Water level below the Ground Surface (in meters)</th></tr> </thead> <tbody> <tr> <td>G1</td><td>Adjacent to community centre at Anqua</td><td>6.10- 6.30</td></tr> <tr> <td>G2</td><td>Opposite to community centre at Anqua</td><td>6.40-6.60</td></tr> <tr> <td>G3</td><td>Near Anqua Model Steel Village Gate</td><td>1.85-2.40</td></tr> <tr> <td>G4</td><td>Siva Mandir</td><td>3.30-3.40</td></tr> <tr> <td>G5</td><td>Near CNI Church</td><td>7.00-7.20</td></tr> <tr> <td>G6</td><td>Near Bishra Chowk</td><td>1.30-1.30</td></tr> </tbody> </table>	ID	Location	Water level below the Ground Surface (in meters)	G1	Adjacent to community centre at Anqua	6.10- 6.30	G2	Opposite to community centre at Anqua	6.40-6.60	G3	Near Anqua Model Steel Village Gate	1.85-2.40	G4	Siva Mandir	3.30-3.40	G5	Near CNI Church	7.00-7.20	G6	Near Bishra Chowk	1.30-1.30
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Sl. No	Condition	Compliance Status as on Sep.' 2019
		In addition to above Two piezometers one at Chiria (150 feet) and another at Dhobil Village 200 feet provided and are being monitored at regular intervals i.e. 4 times in a year. Ground water levels pre-monsoon (May) 2019 and during monsoon (August) 2019 and piezometer photograph is placed in Annexure – 1 .
xvi	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 maintained.	No working during April' 2019 to September' 2019. Regular monitoring of flow rate of water at the perennial nalla i.e. Hamsadagaar Nalla, is being done and records are being maintained.
xvii	The Project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) required for the project.	Permission obtained from Water Resource Department, Govt. Of Jharkhand and agreement has been made with Water Ways Division, Chaibasa on 03.08.2017, for drawl of water from Hamsadagara Nalla to the tune of 0.62 MCM per annum for Manoharpur Ore Mines, Chiria.
xviii	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	As the mine pits are located at the hill top, all the surface runoff from the mining areas have been diverted to mine pits, from where it seeps in to the ground. Check bunds, Garland drains and siltation pond has been constructed to control surface runoff.
xix	Appropriate mitigative measures shall be taken to prevent pollution of the Koina River in consultation with the State Pollution Control Board.	No working during April' 2019 to September' 2019. For preparation of a Comprehensive Catchment Area Treatment (CAT) Plan of the area, discussion was held with DFO (Saranda) and IIT Kharagpur, a world renowned premier mining institute of the country, was engaged for preparation of the CAT Plan. IIT Kharagpur, by using GIS Frame work and Remote Sensing Technology, as well as field survey, has prepared the CAT Plan. The CAT Plan covers an approx. area of 11,500 Km ² bounded by the west bank of river Koina in the west up to the east bank of river Karo in the east.



Sl. No	Condition	Compliance Status as on Sep.' 2019																
		The Plan has focused on the Catchment scenario of the region, river system, source of water pollution and their prevention, terrain description, soil conservation and its integration with CSR activities, mining activities in the area etc. In consultation with State Pollution Control Board Pollution Control measures will be implemented during operation.																
xx	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral from mine face to the beneficiation plant. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	No working during April' 2019 to September' 2019. Will be followed during operation.																
xxi	No blasting shall be carried out after the Sunset, Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	No working during April' 2019 to September' 2019. Will be followed during operation.																
xxii	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office located at Bhubaneswar.	The entire mine lease is in Ankua RF of Saranda Reserve Forest. Land use and land cover map of Mclellan lease area have been developed by Department of Mining Engineering Indian Institute of Technology (Indian School of Mines) Dhanbad from Linear Imaging Self scanning Sensor (LISS) data obtained from Indian Remote Sensing satellites- Resourcesat-2 (LISS-IV) and Cartosat 2. The satellite images so obtained were processed applying supervised classification method has using the Erdas Imagine software. Land use pattern of the lease area is as follows, <table><tr><td>LU/LC classes</td><td>Area (ha)</td></tr><tr><td>Mine lease Boundary</td><td>823.617</td></tr><tr><td>Dense forest</td><td>701.107</td></tr><tr><td>Open forest</td><td>5.266</td></tr><tr><td>Built-up area Mining</td><td>31.100</td></tr><tr><td>Built-up area non mining</td><td>1.862</td></tr><tr><td>Waste Land</td><td>84.349</td></tr><tr><td>Agricultural land</td><td>0.000</td></tr></table>	LU/LC classes	Area (ha)	Mine lease Boundary	823.617	Dense forest	701.107	Open forest	5.266	Built-up area Mining	31.100	Built-up area non mining	1.862	Waste Land	84.349	Agricultural land	0.000
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Sl. No	Condition	Compliance Status as on Sep.' 2019
xxiii	Drills shall either be operated with dust extractors or equipped with water injection system.	No working during April' 2019 to September' 2019. Will be followed during operation.
xxiv	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	No working during April' 2019 to September' 2019. Will be followed during operation.
xxv	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	Septic Tanks with soaking pits have been provided for the various accommodations. Septic Tank & Soaking Pits are being cleaned regularly and maintained. However, Vehicle washing facility with Oil grease traps was provided at Chiria general office for vehicles.
xxvi	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Pre-placement medical examination and periodical medical examination is being carried out and records maintained.
xxvii	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely elephant, sloth bear, Indian wolf, python etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhubaneswar.	All precautions are under taken not to disturb the flora and fauna in the mining lease area. Necessary facilities are being extended to local forest department for their inspection and monitoring of forest area. Comprehensive Integrated Wild Life Management Plan for the West Singhbhum District has been prepared under aegis of SAIL and the report is under finalization by Govt. of Jharkhand. Measures suggested by Jharkhand Govt. for the leasehold shall be suitably implemented and demand raised by the State Govt. shall be paid for implementation of the Wild Life Management Plan by the Govt. of Jharkhand.



Sl. No	Condition	Compliance Status as on Sep.' 2019
xxviii	The entire mining lease area shall be fenced by erecting solar powered electric fencing all round it. The fencing so erected shall be maintained properly and the cost towards erection and maintenance of the solar powered electric fencing shall be borne by the project proponent out of the project cost.	As the project area falls within the RF, the matter has been discussed with forest officials. State Forest Department officials are of the opinion that Solar fencing may obstruct/ effect the movement of wild life animals. Accordingly, the matter is being discussed with DFO, Saranda Division and a request letter has been submitted to DFO, Saranda vide letter Ref. No. MOM/PC/6/58 dated 03.05.2018. Clarification /direction were requested from DFO, Saranda Division, Chaibasa. Based on the opinion of the State Forest Department, action will be taken for compliance of the condition.
xxix	No transportation of ore outside the mine lease area shall be carried out after the sunset.	No working during April' 2019 to September' 2019. Will be followed during operation.
(xxx)	The critical parameters such as RSPM (Particulate matter with size less than 10 um i.e. PM10) and NOx in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is lower shall be monitored periodically. Further, quality of discharged water shall also be monitored (TDS, DO, PH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.	No working during April' 2019 to September' 2019.
xxxi	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Not Applicable at present. Final Mine closure plan along with the fund details will be submitted to the ministry 5 years advance.

**B. General Conditions**

Sl. No	Condition	Compliance as on March' 2019
i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	No working during April' 2019 to September' 2019.
ii	No change in the calendar plan including excavation, quantum of mineral iron ore and waste should be made.	No working during April' 2019 to September' 2019.
iii	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 μ m i.e. PM10) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	No working during April' 2019 to September' 2019.
iv	Data on ambient air quality RSPM (Particulate matter with size less than 10 μ m i.e., PM10) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Bhubaneswar and the State Pollution Control Board/Central Pollution Control Board once in six months.	No working during April' 2019 to September' 2019.
v	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	No working during April' 2019 to September' 2019.
vi	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs.	No working during April' 2019 to September' 2019.
vii	Industrial waste water (Workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	No working during April' 2019 to September' 2019.



Sl. No	Condition	Compliance as on March' 2019
viii	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	No working during April' 2019 to September' 2019.
ix	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.	A full-fledged Environment Management Cell (EMC) has been established to look after environment aspects headed by an experienced engineer with more than 10 years' experience in the field of environment in the rank of Sr. Manager who directly reports Head of Mines. In addition to the EMC at Mines level an Environment & lease department at our head quarter i.e. Raw Materials Division, Kolkata headed by a qualified person (M Tech in Environmental Engineering) and experience environmental engineers who facilitate all the RMD mines including MOM, Chiria mines in implementation and maintained of pollution control measures.
x	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Bhubaneswar.	Funds allocated for environmental management are spent only for Environment related purposes and not diverted to any other purpose.
xi	The project authorities should inform to The Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Will be followed.
xii	The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite	Full co-operation is extended to the officers of the Regional Office, MoEF & CC, Ranchi, by furnishing the requisite data / information / monitoring reports.



Sl. No	Condition	Compliance as on March' 2019
	date/information/monitoring reports.	
xiii	The project proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored date (both in hard copies as well as by e-main) to the Ministry of Environment and Forests, its Regional Office Bhubaneswar, The respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the EC conditions, including results of monitored date on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment & Forests, Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and State Pollution Control Board.	Six monthly compliance reports on the status of implementation of environmental safeguards are being submitted to MoEF&CC, New Delhi, Regional Office – MoEF&CC, Ranchi, Central Pollution Control Board and State Pollution Control Board. Copy of the compliance report including environmental quality data is being uploaded to the SAIL web site i.e. www.sail.co.in .
xiv	A copy of the clearance letter shall be sent by the proponent to concerned panchayat, Zila Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any from whom suggestions/representations, if any were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	The copy of Clearance letter was notified in the public places. The clearance letter has been put on the Company website.
xv	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and the Collector's office/Tehsildar's office for 30 days.	--
xvi	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional office of the Ministry of Environment and Forests, Bhubaneswar by e-mail.	Environmental Statement for the financial year 2018-19 ending 31 st March, 2019 has been submitted to the Jharkhand State Pollution Control Board vide reference No: MOM/PC/6/83, dated: 15-05-2019.



Sl. No	Condition	Compliance as on March' 2019
xvii	The project authorities should advertise at least in two local newspapers of the District or State in the project is located and widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.	Advertisement was given in two local newspapers Hindustan times (English) and Dainik Jagaran (Local Language Hindi) within 7 days of the issue of the clearance letter.

General Manager (Mech.)
Manoharpur Ore Mines



GROUND WATER LEVEL MEASUREMENTS

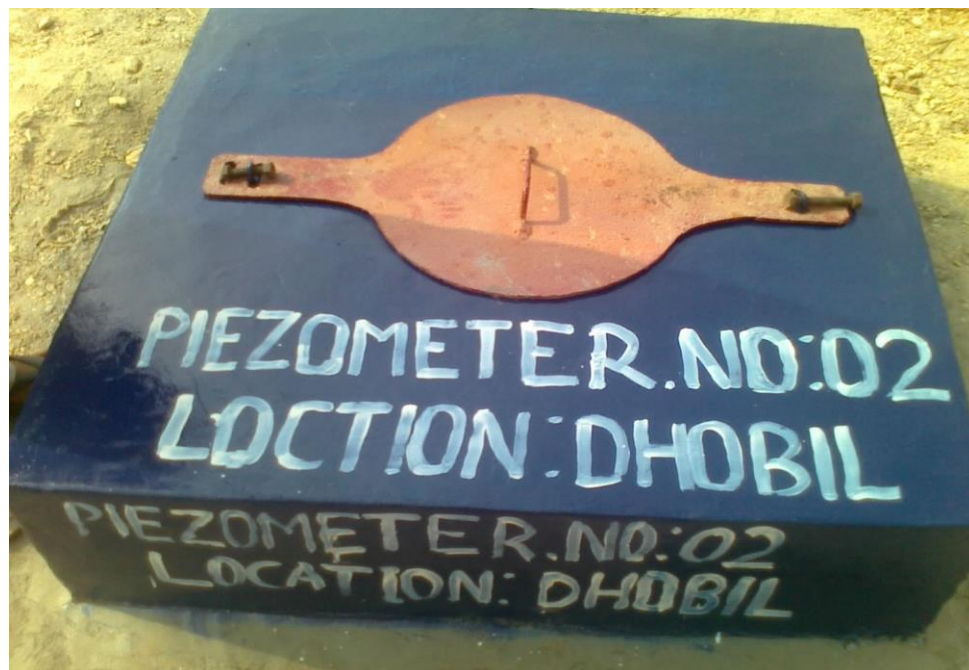
A. Ground Water levels in and around the Mines

Location ID	Location of Open Wells	Water level below the Ground Surface (in meters)	
		During-monsoon (Aug. - 2019)	Pre-monsoon (May - 2019)
G1	Adjacent to community centre at Anqua	6.10	6.30
G2	Opposite to community centre at Anqua	6.40	6.60
G3	Near Anqua Model Steel Village Gate	1.85	2.40
G4	Siva Mandir	3.30	3.40
G5	Near CNI Church	7.00	7.20
G6	Near Bishra Chowk	1.30	1.30

Sl. No.	Location of Piezometer	Water level below the Ground Surface (in meters)	
		During-monsoon (Aug.- 2019)	Pre-monsoon (May -2019)
1	Chiria Village	3.70	3.90
2	Dhobil Village	3.10	3.20



1. Piezometer at Chiria Village



2. Piezometer at Dhobil Village