



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
रॉ मेटेरियल्स डिवीजन
RAW MATERIALS DIVISION
बोलानी अयस्क खदान
BOLANI ORES MINES

Ref No: - BOM/ENV/5.1/HD-3005

Date:-30/05/2018

To,

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (EZ),
A/3, Chandersekharpur,
Bhubaneswar - 751023

Sub: Six monthly status of compliance to the conditions stipulated in the Environmental Clearance granted by MoEFCC for 12 MTPA Iron Ore production from 5.10 sq. Miles ML vide letter no. J-11015/418/2008-IA.II(M) dated 21/12/2012 for the period ending OCT'17-MAR'18.

Sir,

Please find enclosed herewith the Six monthly compliance report for the period OCT'17-MAR'18 with respect to the conditions stipulated by GoI, MoEF, New Delhi, in the Environmental Clearance grant order of Bolani Ores Mines for the production of 12 MTPA Iron Ore from 5.10 sq Miles ML vide ministry's letter no. J-11015/418/2008-IA.II(M) dated 21/12/2012.

Thank you,

Yours faithfully,

General Manager
Bolani Ores Mines

डॉ. देसायकर / D. DEYSARKAR
महाप्रबंधक (खान) / General Manager (Mines)
मेल - आर एम डी - बोलानी-अयस्क खदान
SAIL-RMD-Bolani Ores Mines
बोलानी-758 037, क्यॉंझर, ओड़ीसा
Bolani-758 037, Keonjhar, Odisha

Encl: As above

Copy:

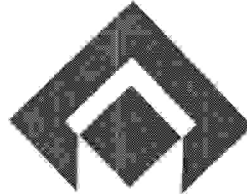
1. Director, IA Division, MoEF&CC, GOI, Indira Paryavaran Bhavan, Aliganj, Jor Bagh Road, New Delhi - 110 003.
2. In-charge, Eastern Zone, CPCB, Southern Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.)
3. The Member Secretary, State Pollution Control Board, Paribesh Bhawan, A/118, Nilkantha Naga, Unit - VIII, Bhubaneswar - 751 012, Odisha

Six Monthly
COMPLIANCE REPORT
OF
ENVIRONMENTAL CLEARANCE CONDITIONS
(Grant Order no: J-11015/418/2008-IA.II(M) dated 21/12/2012)

OF

BOLANI ORES MINES (5.10 Sq Miles ML)
In Keonjhar District of Orissa

For the Period October'2017-March'2018



STEEL AUTHORITY OF INDIA LIMITED
RAW MATERIALS DIVISION
BOLANI ORES MINES
BOLANI- 758037

Sl. No.	Condition	Compliance Status
(i)	Environmental Clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as applicable.	Provision of Wildlife (Protection) ACT 1972 is not attracted to the Project as there are no Wildlife sanctuaries, National Parks or similar places specified in the Act within 10 KM radius of the project.
(ii)	The project proponent shall obtain Consent to establish from the State Pollution Control Board, Orissa and effectively implement all the conditions stipulated there in.	<p>Consent to Establish for expansion of the mine to produce 12 MTPA was granted by Odisha State Pollution Control Board vide No. 23405 dated 21.12.2013 . Conditions stipulated in the Consent to Establish are complied .</p> <p>Subsequently, Consent to Operate was granted vide letter No. 4784/IND-I-CON-242 Dt.18.03.2016 from Orissa State Pollution Control Board for the production of 12 MTPA of Iron Ore and is valid till Dt.31-03-2019 .</p>
(iii)	Forest Clearance for 73.20 ha of Safety Zone has not been obtained by the project proponent. This environmental clearance subject to the grant of forest clearance for diversion of 73.20 ha of safety zone within one year .	Forest Clearance for 73.12 ha of Safety Zone has been granted by MoEF & CC, vide F. No. 8-17/1997-FC(vol.) dt.12/11/14 . A copy of the same was enclosed with six monthly EC compliance report for the period Apr'14 to Sep'14 vide our letter No. BOM/ENV/HD-1401 Dt.14.01.2015.
(iv)	The Company shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter- alia provide for (i) Standard operating process/ process to bring into focus any infringement/ deviation/ violation of the environmental or forest norms/ conditions, (ii) Hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions and (iii) System of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders.	<p>The Policy towards Corporate Environmental Responsibility including details of set up was submitted to Ministry vide our letter no RMD/BOM/E&L/5.1sqMiles/EC/2013/91 dt.18-03-2013.</p> <p>SAIL has always been an environmentally conscious and responsible company. Way back in 1996, it was a pioneer in adopting a Corporate Environmental Policy. In view of the rapid technological advancements in the past two decades and growing stringency of regulatory requirements, SAIL has revised its Environmental Policy and made "Corporate Environmental Vision, Policy and Responsibility", which is under implementation and copy of the same had been attached in EC compliance report for the period of Oct'15 to Mar'16 submitted vide letter no. BOM/ENV/5.1/HD-3600 Dt.30.06.2016.</p>

Sl. No.	Condition	Compliance Status
(v)	<p>The mining operation shall be restricted to above ground water table and it shall not intersect groundwater table. In case of working below the ground water table, Prior approval of the Ministry of Environment & Forest and Central Ground Water Authority shall be obtained for which a detailed hydrogeological study shall be carried out.</p>	<p>At present, Mining operations have been restricted to levels above ground water table in all the pits within the leasehold area. The Ground Water Table in the Lease area is 451m AMSL. Whereas the present working depth at the mines varies from 915m to 485m AMSL. The mines will not be dug deeper than the current depth of 485m AMSL till 2030.</p> <p>Prior approval of the Ministry of Environment & Forest and Central Ground Water Authority will be obtained after conducting a detailed hydrogeological study, prior to working beyond Ultimate Pit Depth of 452 AMSL, if any, during subsequent plan periods as per duly approved Mining Plan.</p>
(vi)	<p>Mitigation measures to control RSPM levels shall continue to be implemented and air quality data will also be collected during operation of the mines. The data so collected shall be analyzed to see the effectiveness of the mitigation measures implemented. Based on the same, additional safeguard measures, as may be required shall be implemented in the project.</p>	<p>Mitigation measures are regularly implemented to control the RSPM levels. In order to reduce the RSPM levels, SAIL-Bolani Ore Mines has completed the implementation of following mitigation measures :</p> <ul style="list-style-type: none"> (a) Transportation through covered conveyors: Around 3200 meters of Covered conveyors from feed hopper at mines to product dispatch point. (b) Bag filter system equipped at secondary crusher housing (c) High Pressure water sprinkling at Feed Hopper at Hill Top Plant (d) Dry Fog Dust suppression installed in the 600 TPH Crushing & Screening Plant. (e) Repaired and blacktopped roads inside township, and peripheral villages and Road from Bolani to Karo Bridge within 6.90 sq. m ML (f) Part of the D-Area Haul road (about 200m) has been converted to concrete road near residential area. (g) 8000 nos. of saplings were planted over an area of 3.2 ha within the leasehold area at a cost of Rs.20.53 lakhs. <p>The photographs showing above Mitigation measures have been enclosed in earlier six monthly compliance reports . Regular Monitoring of ambient air quality is undertaken and real time data uploaded to OSPCB server online.</p>
(vii)	<p>The biological survey shall be repeated during October- December and mid-</p>	<p>Necessary biological surveys were conducted by expert committees and Wild Life Experts and based on the</p>