

No. Mines/IOC/STE/P&S/DMM/2017/460
Dated: 07/11/2017



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED

भिलाई इस्पात संयंत्र
BHILAI STEEL PLANT

To,

- 1. Additional Director,**
Ministry of Environment, Forest and Climate Change
Government of India, Paryavaran Bhavan,
C.G.O Complex, Lodhi Road, New Delhi - 110 003.
- 2. Director,**
Central Pollution Control Board,
Parivesh Bhawan, CBD-cum-Office Complex
East Arjun Nagar, New Delhi - 110 032.
- 3. Additional Principal Chief Conservator of Forests (C),**
Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building Civil Lines, Nagpur-44000.
- 4. Member secretary Commercial Complex,**
Chhattisgarh Housing Board Colony,
Kabir Nagar, Raipur (C.G.)

Dear Sir,

Sub: Status of Compliance to the Environmental Clearance Conditions.

Ref: Enhancement of Ore processing/beneficiation capacity from 9.55 million TPA to 14 million TPA in Rajhara Hill vide letter no. J-11015/349/2009-IA.II (M) dated: 30th September, 2013.

With reference to the above cited subject, please find the enclosed herewith six month compliance report for the period from April 2017 to September 2017.

Thanking you,

Yours faithfully
For Steel Authority of India Ltd.
Bhilai Steel Plant

7.11.17
(S. Swarup)

Dy. General Manager cum Agent
Dalli Mechanised Mine

Encl: Compliance Report.

Compliance to conditions w.r.t. Environmental clearance from the MOEF to enhancement of Ore processing/beneficiation capacity from 9.55 million TPA to 14 million TPA in Rajhara Hills by M/s Steel Authority of India Limited (SAIL), located at District Durg, Chhattisgarh

Ref: MOEF letter no. J-11015/349/2009-IA.II (M) Dated: 30th September, 2013

A. Specific Conditions.

Sl.No	Conditions	Compliance
i.	No Iron Ore Processing/beneficiation activities will be allowed in forest area for which the Forest Clearance is not available.	The Processing/beneficiation activities are proposed in the revenue land within the lease hold area. Existing ore processing /beneficiation activities are within the acquired revenue land
ii.	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.	In the core zone, no wildlife animal has been reported as schedule I as per the wildlife protection Act 1972.
iii.	The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Chhattisgarh and effectively implement all the conditions stipulated therein.	Online application for Consent to Establish has been submitted on 16.05.2017 vide application No.-429974, to the State Pollution Control Board, Chhattisgarh. Permission letter is awaited.
iv.	As part of ambient air quality monitoring during operational phase of the project, the air samples shall also be analysed for their mineralogical composition and records maintained.	The air samples shall be analysed for their mineralogical composition and records would be maintained during operational phase of the project. For existing facilities, ambient air quality monitoring stations have been established at 4 locations in core and 4 locations in buffer zone and all the monitoring records are being maintained and reports are regularly sent State Pollution Control Board.
v.	The beneficiated ore shall be transported to railway sidings only through closed conveyer	Existing railway siding is adjacent to ore processing /beneficiation plant .Therefore beneficiated ore does not required further transportation. Beneficiation facilities are fully covered to prevent flow of dust into ambient atmosphere.
vi.	Mineral handling plant 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.	Adequate number of high efficiency dust extraction system will be provided and would be properly maintained and operated. For existing facilities at all the transfer points there is a pressurized Dust suppression system is in place and Dust Extraction system is operational in Mineral handling Plants.

vii	Effective safeguard measures such as conditioning of ore with water, regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Regular water sprinkling will be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and transfer points. It will be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. For existing facilities there is a network of Pressurized water injection system at all transfer points and sources of generation of Particulate matter in Mineral Handling Plants and regular water sprinkling is being done with 2 Nos. of 28 KL Pressurized Water Sprinklers on Haul roads.
viii.	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	5 Nos. of Rainwater Harvesting systems have been implemented to augment ground water resources within the lease area.
ix.	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 in 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 Forests and its Regional Office Bhopal, 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.	Regular monitoring of ground water level and quality is being carried out at four locations in and around the lease hold area.
x	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Jharan nalla and Kusum nalla shall be left undisturbed and protected.	No natural watercourse and/or water resources have been obstructed due to any mining operations. Jharan nalla and Kusum nalla has been left undisturbed and are being protected. Regular monitoring of water quality is also being done.
xi.	The project proponent shall regularly monitor the flow rate of the Jharan nalla and Kusum nalla flowing through the mine lease and maintain the records.	Regularly monitoring of the flow rate of the Jharan nalla and Kusum nalla would be done and records would be maintained.

xii	The reclaimed and rehabilitated area shall be afforested. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhopal on six monthly basis.	The reclaimed and rehabilitated area is regularly afforested and till date 6, 59, 891 saplings have been planted in 253 Ha area and the report is regularly sent to State Pollution Control Board.
xiii	Dimension of the retaining wall at the toe of temporary over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.	Two RCC Retaining Walls and one earthen Retaining Wall have been made at the toe of overburden dumps within the mine to check run-off. The dimensions of RCC Retaining Walls are 30mX3.6mX2m and of Earthen wall is 100mX1.5mX3.5m.
xiv.	Plantation shall be raised in an area of 33.00 Ha. including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around the higher benches of excavated void to be converted in to water body, 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.	The reclaimed and rehabilitated area is regularly afforested and till date 6, 59, 891 saplings have been planted in 253 Ha areas. Additional Plantation in 10 Ha. Area through forest dept. has been proposed.
xv	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	In existing facilities regular water sprinkling is being carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul such as haul road, loading and unloading point and transfer points. The Ambient Air Quality monitoring reports are regularly sent to State Pollution Control Board.
xvi.	Process water discharge and/or any waste water shall be properly treated to meet the prescribed standards before reuse/discharge. The runoff from temporary OB dumps and other surface run off shall be analyzed for iron and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.	In existing facilities process water is being recycled and reused for washing of iron ore in beneficiation plant. 16 nos. of check dams have been made to arrest surface run off and regular monitoring of surface runoff water is done. There is no discharge of water in the outside surrounding area. This practice will be implemented in the expansion of project.
xvii.	The decanted water from the beneficiation plant and slime/tailing pond shall be re-circulated within the mine and there shall be zero discharge from the mine.	Already is in practice for existing units and zero discharge from the mine is being maintained.

xviii.	Regular monitoring of the flow rate of the springs and perennial nallahs shall be carried out and records maintained	Is being monitored.
xix.	Regular monitoring of water quality, upstream and downstream of Jharan nalla and Kusum nalla shall be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment and Forests, its Regional Office, Bhopal, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	Regular monitoring of water quality of Jharan nalla and Kusum nalla is being carried out and records of monitoring data is being maintained and sent to State Pollution Control Board.
xx.	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water for the project. Ground water shall not be used for the mining operations	No ground water will be used for Processing/beneficiation activities. The total water requirement will be made available from BSP owned "Boirdih" dam.
xxi.	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board	Suitable rainwater harvesting measures on long term basis will be planned and implemented in consultation with Regional Director, Central Ground Water Board
xxii.	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.	The Vehicular emissions for existing facilities is being maintained and regularly monitored and will be kept under control. Measures are being taken for maintenance of vehicles used in mining operations.
xxiii.	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for workshop and wastewater generated during mining operation.	Oxidation pond for the treatment of sewage water for the colony is in place. ETP (Oil Trap Chambers) has been provided in all the workshops.
xxiv.	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhopal.	Digital processing of the entire lease area using remote sensing technique is in process .

xxv.	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 of the workers engaged in the mines are carried out and records are maintained. All newly appointed workers undergo a comprehensive medical examination (Pre-employment Medical Examination) and subsequently a periodical Medical Examination (PME) at regular interval. All workers undergo a PME every 5 years, however workers whose age is more than 45 years, the PME is done in every 3 years. All contractual workers also undergo medical examination. The Examination is conducted by occupational health specialist of hospital of Bhilai Steel Plant.
xxvi.	Implementation of Action plan on issues raised during Public Hearing	Under implementation
xxvii.	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	The Final Mine Closure Plan along with details of Corpus Fund with the approval of IBM will be submitted to the Ministry of Environment & Forests 5 years in advance.

B. General Conditions

Sl.No	Conditions	Compliance
i.	No change in Iron Ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	No change in Iron Ore Processing / Beneficiation technology and scope of working will be made without prior approval of the Ministry of Environment & Forests.
ii.	No change in the calendar plan including Processing/Beneficiation of mineral iron ore and waste should be made.	There is no change in the calendar plan including Processing/Beneficiation of mineral iron ore and waste & also it will be continued in future.
iii.	At least 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 micron 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. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	For existing facilities, four ambient air quality-monitoring stations have been established in the core zone as well as in the buffer zone for RSPM, SOx and NOx monitoring. The data so recorded is regularly sent to State Pollution Control Boards.

iv.	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.	For existing facilities, measures are being taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. already provided with ear plugs / muffs.
v.	There will be zero waste water discharge from the plant.	For existing facilities zero water discharge is being maintained.
vi.	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Personnel working in dusty areas wear protective respiratory devices and are also provided with adequate training and information on safety and health aspects.
vii.	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.	Occupational health surveillance program of the workers is undertaken periodically by in-house NOHS department.
viii.	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	Structures Environment cell has been established and is functioning. Two Senior Executive with sufficient number of trained staff have been posted in environmental management cell. It is well equipped with required environmental parameters, monitoring and testing facilities.
ix.	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 and its Regional Office located at Bhopal.	The funds earmarked for environmental protection measures will be kept in separate account and Year wise expenditure would be reported to the Ministry and its Regional Office located at Bhopal.
x.	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	It will be implemented.
xi.	The Regional Office of this Ministry located at Bhopal 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 data / information / monitoring reports.	Full cooperation will be provided.

xii.	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal, the respective Zonal Officer of Central Pollution Control Board and the State Pollution Control Board.	Agreed to submit the same as it is being done regularly.
xiii.	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.	Already sent and clearance letter put in the company website
xiv.	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.	Not Applicable
xv.	The environmental statement for each financial year ending 31st 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 respective Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail.	The environmental statement for each financial year ending 31st March in Form-V will be submitted after commissioning of the project.

xvi.

The project authorities should advertise at least in two local newspapers of the District or State in which 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 Bhopal.

Already advertised in least in two local newspapers of the District.

11/10/13
दैनिक भास्कर, रायपुर

स्टील अथॉरिटी ऑफ इंडिया लिमिटेड
बिलासई इस्पात संयंत्र
बिलासई, जिला-सुनार, छत्तीसगढ़, राज्या, 490001

वैधानिक सूचना

बिलासई इस्पात संयंत्र को छत्तीसगढ़ के बालोद जिले में स्थित राजहारा हिट्स लीड अयस्क खनिपट्टा, रकबा 719.60 हेक्टर का अयस्क प्रसंस्करण/परिष्करण क्षमता विस्तार 9.55 एम.टी.पी.ए. से 14.0 एम.टी.पी.ए. के लिए पर्यावरणीय स्वीकृति भारत सरकार द्वारा प्रदत्त की गई है। स्वीकृति पत्र की एक प्रति राज्य प्रदूषण नियंत्रण मंडल, पर्यावरण एवं वन मंत्रालय के वेबसाइट <http://envfor.nic.in> पर उपलब्ध है।
- महाप्रबंधक (खदान-सवधाट)

विज्ञापन क्र. - बीएसपी- 168/13-14, दिनांक - 10.10.2013
पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली, 110003
दूरध्वनी संख्या : 011-26109000

हरिभूषि

स्टील अथॉरिटी ऑफ इंडिया लिमिटेड
बिलासई इस्पात संयंत्र
बिलासई, जिला-सुनार, छत्तीसगढ़, राज्या - 490001

वैधानिक सूचना

बिलासई इस्पात संयंत्र को छत्तीसगढ़ के बालोद जिले में स्थित राजहारा हिट्स लीड अयस्क खनिपट्टा, रकबा 719.60 हेक्टर का अयस्क प्रसंस्करण/परिष्करण क्षमता विस्तार 9.55 एम.टी.पी.ए. से 14.0 एम.टी.पी.ए. के लिए पर्यावरणीय स्वीकृति भारत सरकार द्वारा प्रदत्त की गई है। स्वीकृति पत्र की एक प्रति राज्य प्रदूषण नियंत्रण मंडल, पर्यावरण एवं वन मंत्रालय के वेबसाइट <http://envfor.nic.in> पर उपलब्ध है।
- महाप्रबंधक (खदान-सवधाट)

विज्ञापन क्र. : बीएसपी-168/13-14, दिनांक 10.10.2013
पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली, 110003
दूरध्वनी संख्या : 011-26109000