



स्टील ऑथोरिटी ऑफ इंडिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
बोकारो स्टील प्लांट
BOKARO STEEL PLANT
गुआ अयस्क खान
GUA ORE MINES

Ref. No. : GUA/E&L/JB-II-EC Compl._H1/2024-25/144

Date: 29.11.2024

To,
The Addl. PCCF (C)
Ministry of Environment, Forest and Climate Change
Regional Office (ECZ)
Bungalow No. A - 2, Shyamali Colony
Doranda, Ranchi - 834 002

Sub: Compliance Report of Environmental Clearance accorded by MoEF&CC to the project: Jhillingburu-II Iron & Manganese Ore Mining of Gua Ore Mines of M/s SAIL, located in Village Gua, Noamundi, West Singhbhum Dist., Jharkhand .

Ref.: 1. Ministry's Environment Clearance Letter No. EC/SEIAA/2016-17/2053/2017/297, dated 10.12.2018

Sir,

As per the provisions of the condition no. X(v) of above stated Environmental Clearance order granted to the **Jhillingburu-II Iron & Manganese Ore Mining of Gua Ore Mines**, the six monthly compliance report on the conditions stipulated in the Environmental Clearance for the period from **April, 2024 to September, 2024** is enclosed herewith for kind perusal please.

Thanking you.

For & on behalf of
SAIL-BSL, Gua Ore Mines


General Manager (Mines) and E&L

General Manager (Mines) & E&L
SAIL-BSL, Gua Ore Mines

Encl: As stated above

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.)
4. The Regional Office, JSPCB, Jamshedpur



Conditions stipulated in the Environmental Clearance vide letter No.EC/SEIAA/2016-17/2053/2017/297 dated 10.12.2018 for the project "Jhillingburu II Iron & Manganese Ore Mining of Gua Ore Mines of M/s Steel Authority of India Ltd at Village-Gua, Noamundi, W. Singhbhum (30.430 Ha)"

(Period: April, 2024 – September, 2024)

S.No.	CONDITION	COMPLIANCES
I. <u>Specific Conditions:</u>		
(i)	<p>This Environmental Clearance is valid subject to the following condition below-</p> <p>That this project has-</p> <p>a. Obtained all legal rights to operate at concerned place.</p> <p>b. Complied with all existing concerned laws of the land and</p> <p>c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.</p>	Agreed.
II. <u>Statutory Compliance:</u>		
(i)	<p>The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project</p>	<p>Jhillingburu-II Iron & Manganese Ore Mining Project over an area of 30.43 ha has valid Stage-II FC Clearance (Final Approval) granted by Integrated Regional Office, MoEF&CC, Ranchi, vide letter ref. no. 5-JHC172/2010/894 dated 07.02.2023.</p> <p>Subsequently, forest land has been released by the Principal Chief Conservator of Forest(PCCF) cum Executive Director, Wasteland Development Board, Jharkhand, Ranchi, vide letter no.1109 dated 07.11.2023 and further by Divisional Forest Officer, Saranda, vide</p>

[Signature]
 General Manager (Mines) & E&I
 SAIL-BSL, Gua Ore Mines

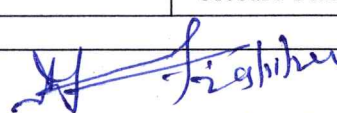


		letter ref. no. MIN/Gua/Topailore-/10/2020/287 dated 03.02.2024.
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	The condition is not applicable as there is no designated wildlife protected area/wildlife sanctuary within 10 km radius to the project site.
(iii)	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six monthly compliance report. (In case of the presence of Schedule-I species in the study area.	<p>Gua Ore Mines has engaged M/s Ecos Offset Pvt. Ltd., Madhubani, Bihar, for preparation of Site Specific Wildlife and Bio-diversity Conservation Plan (SSWBCP) for mining leases of Gua Ore Mines. The draft report of SSWBCP for all mining leases of Gua Ore Mines was prepared in consultation with M/s Ecos Offset Pvt. Ltd., and submitted to the office of Divisional Forest Officer (DFO), Saranda Forest Division, vide letter no. Gua/E&L/SSWBCP/Report/04M.L./2023-24/107 dated 20.06.2023 for approval of the same by the State Forest Department. However, DFO, Saranda, has raised observations in the submitted draft report and instructed for modifications in the report.</p> <p>Further, revised draft Site Specific Wildlife & Bio-Diversity Conservation Plan (SSWBCP) for all mining leases of Gua Ore Mines prepared by the consultant has been submitted to the office of the DFO, Saranda and after approval of the same by State Forest Department, all the measures as suggested in SSWBCP will be implemented. Gua Ore Mines undertake for active implementation of all the measures as suggested in SSWBCP after approval of the same by the State Forest Department.</p> <p>Latest meeting with DFO, Saranda, w.r.t preparation of SSWCMP was held on 20.10.2024 for finalization of the proposed</p>

[Signature]
 General Manager (Mines) & E&L
 SAIL-BSL, Gua Ore Mines



		recommendations & estimate.
(iv)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 will be obtained from Jharkhand State Pollution Control Board (JSPCB) prior to commencement of production from Jhillingburu-II Mining Lease. We are in the process to submit application for CTE. After grant of CTE, application for CTO will be submitted.
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	Permission for drawl of required water has already been taken from Water Resource Department, Govt. of Jharkhand. Agreement for water withdrawal has been renewed for the period from July' 2023 to June' 2028.
(vi)	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Gua Ore Mines, SAIL has valid authorization under the Hazardous and other Waste Management Rules for adjacent Duarguiburu Mining Lease. If required, separate hazardous waste authorization will be taken for Jhillingburu-II lease when it becomes operational.
(vii)	A modified approved mine plan as per MCR, 2017 and mine closure plan as per MCDR, 2017 should be obtained by the proponent.	Indian Bureau of Mines (IBM), Ranchi has approved the Modification of Review of Mining Plan & Progressive Mine Closure Plan (PMCP) for period from 2020-21 to 2024-25 vide letter no. RAN/WSB/Mn-Fe/MP-16/2019-20 dated 03.01.2020. After complete exhaustion of mineral from the lease, Final Mine Closure Plan (FMCP) will be prepared and get it approved from the


General Manager (Mines) & E&L
SAIL-BSL, Gua Ore Mines



		Competent Authority i.e. Indian Bureau Of Mines. Further the measures approved in the FMCP will be implemented at the cost of SAIL.
III. <u>Air quality monitoring and preservation:</u>		
(i)	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. Monitor fugitive emissions in the plant premises.	<p>Mining of Manganese ore will be done by shovel dumper combination and mined ore will be transported to SAIL Steel Plant after crushing and screening, therefore presently no any significant stack has been envisaged.</p> <p>However, if process stack will be envisaged in the future, 24x7 continuous emission monitoring system will be installed.</p>
(ii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986	This condition will be complied when mining operation starts at Jhillingburu-II mining lease.
(iii)	The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)	<p>This condition will be complied when mining operation starts at Jhillingburu-II mining lease.</p> <p>Further, Jhillingburu-II mining lease is one of the four adjacent mining lease of Gua Ore Mines, ambient locations will be same as for the Duarguiburu Mining lease. Ambient Air quality monitoring at four locations is being carried out regularly and reports are being submitted to Jharkhand State Pollution Control Board.</p> <p>Additionally, Gua Ore Mines has installed a Continuous Ambient Air Quality Monitoring System (CAAQMS) for real time monitoring of</p>

[Signature]
 General Manager (Mines) & E&L
 SAIL-BSL, Gua Ore Mines



		Ambient Air Quality within the Gua Ore Mines.
(iv)	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	<p>Mining will be done by shovel dumper combination and mined ore will be transported to SAIL Steel Plant after crushing and screening, therefore presently no any significant stack has been envisaged. If process stack will be envisaged in the future, 24x7 continuous emission monitoring system will be installed.</p> <p>However, for ambient air quality monitoring, same will be complied when the mining will start at Jhillingburu-II Mining Lease.</p>
(v)	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	<p>Most of the internal roads are made pucca. Good housekeeping is being maintained by regular cleaning and wetting of the haul roads and the premises. Effective measures have been taken to control fugitive dust within the prescribed standards in the adjacent Duarguiburu Mining Lease of Gua Ore Mines.</p> <p>In Jhillingburu-II Iron & Manganese Ore Mining Project, similar arrangements as taken in Duarguiburu mining lease will be provided to control fugitive dust within the prescribed standards when mining operation commences.</p>
(vi)	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.	Jhillingburu-II Iron & Manganese Ore Mining Project is presently non-operational. This condition will be complied when mining operation starts at Jhillingburu-II mining lease.
(vii)	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	
(viii)	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Mining will be done by shovel dumper combination and mined ore will be transported to SAIL Steel Plant after crushing and screening. Therefore presently no any tunnel, motor houses and oil cellars has been envisaged.

[Signature]
 General Manager (Mines) & E&L
 SAIL-BSL, Gua Ore Mines

**IV. Water quality monitoring and preservation:**

(i)	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)	Jhillingburu-II Iron & Manganese Ore Mining Project is presently non-operational. This condition will be complied when mining operation starts at Jhillingburu-II mining lease.
(ii)	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Four open wells have been selected all around the Gua Ore Mines viz, (i) Guasai – Forest Bungalow, (ii) Ghatkuri Village, (iii) Chota Nagra-Baihatu Village & (iv) Baraiburu village Near Pool, for regular monitoring of ground water levels & quality. Further, three nos. of real time ground water level monitoring system (Piezometer) have been installed and commissioned, one at Forest Bungalow, Gua, and other two at DB and DB annexe buildings of Gua Ore Mines and data of the same is being maintained.
(iii)	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	The condition related to effluent monitoring will be complied when mining operation starts at Jhillingburu-II mining lease. However, manual effluent testing and manual monitoring of ground water quality is being done for Duarguiburu Mining Lease of Gua Ore Mines and monthly monitoring reports are being sent to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report. The same will be done for Jhillingburu-II Iron & Manganese Ore Mining Project when mining operation starts at Jhillingburu-II mining



		lease.
(iv)	The project proponent shall provide the slime disposal facility with impervious lining and collection wells for seepage. The water collected from the slime pond shall be treated and recycled.	In Jhillingburu-II Iron & Manganese Ore Mining Project, mining will be done by shovel dumper combination and mined ore will be transported to SAIL Steel Plant after crushing and screening. No washing circuit is envisaged for up-gradation of mineral through beneficiation process; hence no slime will be generated.
(v)	Adhere to 'Zero Liquid Discharge'	Agreed
(vi)	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	<p>Septic tanks followed by soaking pits have been provided for the quarters in cluster for entire Gua Township which are being cleaned periodically through mechanical mode. Also, major domestic drains of Gua Township and Market area have been streamlined and converged into a single drain followed by 02 nos. of settling pits to provide enough retention time for the domestic effluent to settle down and oxidize the water.</p> <p>However, to comply with the conditions, Gua Ore Mines has engaged IIT Kharagpur for preparation of conceptual plan for setting up Sewerage Treatment facilities at Gua Ore Mines Township.</p> <ul style="list-style-type: none"> ➤ The conceptual plan for setting up of Sewerage Treatment Facilities has been prepared in consultation with IIT Kharagpur. ➤ Total 04 STP [MBBR technology] with total capacity of 4.1 MLD has been proposed. ➤ Based on conceptual plan submitted by IIT KGP, Centre for Engineering and Technology (CET), SAIL, Ranchi, has already prepared Scheme for Tender Specification (TS) and Cost Estimate (CE). Total cost estimate for construction of

[Signature]
General Manager (Mines) & E&E
SAIL-BSL, Gua Ore Mines

		STP is estimated to be Rs. 48 Cr including sewerage network. Presently, finalization of contract and subsequently process for tendering for award of work to the expert agency for construction of STP at Gua township is in advance stage.
(vii)	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Agreed to and will be complied with.
(viii)	The project proponent shall practice rainwater harvesting to maximum possible extent.	Agreed to and will be complied with. Rooftop rainwater harvesting system for ground water recharge through recharge pit cum shaft at Director Bungalow and Guest House buildings is implemented in Gua township.
(ix)	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water practicing cascade use and by recycling treated water.	The condition is not applicable. However, efforts will be made to minimize water consumption.
V. <u>Noise monitoring and prevention:</u>		
(i)	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Environmental Quality Monitoring covering noise quality at Gua Ore Mines is monitored regularly through JSPCB, Environment Management Division of SAIL and through in-house facilities and reports are being submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report for adjacent Duarguibu and Topailore Mining leases of Gua Ore Mines. The same practice will be followed for Jhillingburu-II Iron & Manganese Ore Mining project once the mining operation commences.



(ii)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	The efforts will be taken to maintain ambient noise levels below 75 dB (A) during the day time and 70 dB(A) during night time when the mining operation commences.
VI. <u>Energy Conservation measures :</u>		
(i)	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Agreed to will be complied with.
(ii)	Provide LED lights in their offices and residential areas	Presently, almost all tungsten/ filament bulbs have been replaced with LED lights in all offices/plants and residential areas of Gua Ore Mines.
VII. <u>Waste management:</u>		
(i)	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.	Agreed to will be complied with.
(ii)	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)	Agreed to will be complied with. Presently, two number of biogas plant of appropriate sizes have been installed at Hospital Kitchen and Mines Canteen of Gua Ore Mines.
VIII. <u>Green Belt and EMP:</u>		
(i)	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Agreed to will be complied with.

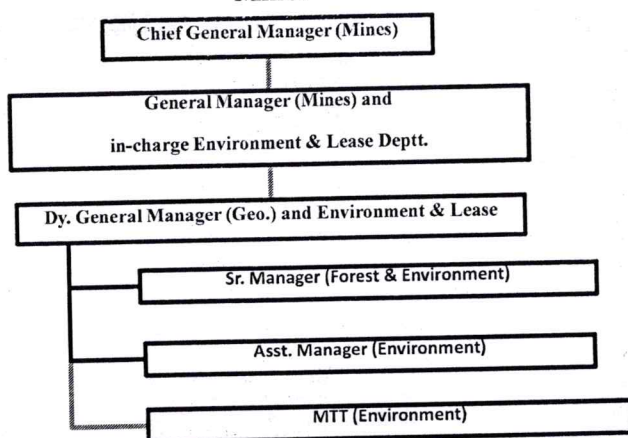
[Signature]
General Manager (Mines) & E&L
SAIL-BSL, Gua Ore Mines

(ii)	<p>The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.</p>	<p>Greenery is being maintained in the periphery and other available spaces. Efforts are being taken to continue enhancing its plant density and biodiversity.</p> <p>During 2023-24, 2100 nos. of saplings of native species like Mango, Jamun, Gulmohar, Kaju, Karanj, Sheesham, Neem, Sal, Amvla, Imli, Gamar, Bamboo, etc. have been planted in mines and townships area. Besides this approximate 1200 kg hedges and local grasses have also been planted in the mines slopes, waste dump slopes and slopes of dams.</p> <p>Also, during 2024-25, 2480 nos. of saplings of native species like Mango, Jamun, Gulmohar, Karanj, Mahua, Karam, Sheesham, Neem, Sal, Amvla, Imli, Gamar, Pipal, Guava, Bamboo, etc. have been planted in mines and townships area. Besides this approximate 2200 kg hedges and local grasses have also been planted in the mines slopes, waste dump slopes and slopes of dams.</p> <p>In addition to this plantation activity is always carried out during events such as MEMC Week, Wildlife Week, Safety Week, Earth Day and World Environment Day etc. for increasing awareness among the employees and locals.</p>
IX. <u>Public hearing and Human health issues:</u>		
(i)	<p>Emergency preparedness plan based on the Hazard identification and Risk Assessment (LIRA) and Disaster Management Plan shall be implemented.</p>	<p>Gua Ore Mines has been certified with Integrated Management System (ISO 90001:2015, ISO 140001:2015 AND ISO 450001: 2018) along with Energy Management System i.e., ISO 50001:2018.</p> <p>Emergency Preparedness Plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan for Duarguiburu Mining Lease is already implemented under OHSAS</p>



		(ISO 45001:2018). Emergency Preparedness Plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan for Jhillingburu-II Mining lease will be prepared once the mining operation starts at Jhillingburu-II Mining lease.
(ii)	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Mining operations are being carried out at ambient temperature. However, all the PPEs will be provided to the workers engaged in mining operations.
(iii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	In Gua Ore Mines most of the construction labour are hired from the local villages and only few are being hired from outside, for which housing facilities along with necessary infrastructure are being provided at the existing colony of the mines.
(iv)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance programs are being conducted periodically to observe any contractions due to exposure to dust so that corrective measures will be taken, if needed. Dispensary facilities for First Aid will be provided at site. Further, PME in every 3 years for person attaining age of 45 years & every 5 years for persons below 45 years are being done.
X. <u>Corporate Environment Responsibility:</u>		
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.111 dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Agreed

[Signature]
General Manager (Mines) & E&I
SAIL-BSL, Gua Ore Mines

(ii)	<p>The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.</p>	<p>Agreed</p> <p>SAIL has well laid Corporate Environment Policy (CEP) duly approved by the Board of Directors. In line with CEP, Gua Ore Mines has Integrated Management Policy for Quality, Environment and Safety Standards under ISO,9001, ISO 14001 and ISO 45001.</p>
(iii)	<p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</p>	<p>Environmental Management Cell including laboratory has already been established at the mines. The qualified personnel have taken up the job of strengthening the Environmental Management Cell.</p> <p>Hierarchy of Environment & Lease Department of Gua Ore Mines</p>  <pre> graph TD A[Chief General Manager (Mines)] --> B[General Manager (Mines) and in-charge Environment & Lease Deptt.] B --> C[Dy. General Manager (Geo.) and Environment & Lease] C --> D[Sr. Manager (Forest & Environment)] C --> E[Asst. Manager (Environment)] C --> F[MTT (Environment)] </pre>

[Signature]
General Manager (Mines) & E&L
SAIL-BSL, Gua Ore Mines



	i) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Agreed to and will be complied with.
(iv)	Self- environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed to and will be complied with.
(v)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.	Agreed to and will be complied with.
XI. Miscellaneous:		
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Advertisement was published in two (2) daily newspapers (Dainik Jagran Daily, Jamshedpur Edition and The Telegraph Daily, Ranchi & Jamshedpur Edition). The clearance letter has been put on the Company website i.e. www.sail.co.in
(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copies of the Environmental Clearance have been sent to local Member of Panchayat & Zila Parisad. The clearance letter has been put on the Company website i.e. www.sail.co.in . Also intimated to Local Zilla Parishad Members, Gram Panchayat Members, Mainky & Mundas, etc.


[Signature]
General Manager (Mines) & E&I
SAIL-BSL, Gua Ore Mines

(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Agreed. Once, the mining operation starts, the status of compliance of EC conditions including results of monitored data will be sent on their website and the copy to concerned Regional Office of JSPCB by e- mail. Same will be updated on half-yearly basis.
(iv)	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Environment Quality Monitoring covering air, water and noise quality at Gua Ore Mines is monitored regularly through JSPCB, Environment Management Division of SAIL and through in-house facilities. The data is digitally displayed in public domain near the main gate of administrative office. Gua Ore Mines has installed a Continuous Ambient Air Quality Monitoring System (CAAQMS) for real time monitoring of Ambient Air Quality within leasehold area. The data is digitally displayed in public domain at the Gua Club site within the Township. Copy of the compliance report including environmental quality data will be uploaded to the SAIL web site i.e. www.sail.co.in .
(v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Agreed. Six monthly reports on the status of compliance of the stipulated environmental clearance conditions are being submitted to the Ministry of Environment, Forest and Climate Change at environment clearance portal.
(vi)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Agreed. Once, the mining operation starts, the environmental statement for each financial year ending 31st March in Form V will be submitted to the Jharkhand State Pollution Control Board and subsequently will be put on the website of the company.

(vii)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Agreed to and will be complied with.
	i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed
	ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed
(viii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed
(ix)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environmental (Protection) Act, 1986	Agreed
(x)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed
(xi)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed
(xii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should	Agreed


 General Manager (Mines) & E&S
 SAIL-BSL, Gua Ore Mines

	extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	
(xiii)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Agreed
(xiv)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,	Agreed
(xv)	The Environmental Clearance accorded will be valid for the period of lease of the mine, till the PP does not increase production rate and alter lease area during the validity of Environmental Clearance.	Agreed. Production rate will be maintained as per the approved Environmental Clearance / EC amendment order.


 GENERAL MANAGER (MINES) AND E&L
 GUA ORE MINES
 BOKARO STEEL PLANT
 STEEL AUTHORITY OF INDIA LIMITED (SAIL)