

Compliance of Environmental Clearance
Issued vide letter no: EC/SEIAA/2014-15/569/2014/310 Ranchi, dated: 13/12/2018 by
State Level Environment Impact Assessment Authority,
Jharkhand
MONGIA STEEL LIMITED

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State Level Environment Impact Assessment Authority,

Jharkhand

MONGIA STEEL LIMITED

At: Burhiadih, P.O: Burhiadih, Tundi Road, Dist.: Giridih: 815302

(Jharkhand)



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Sl No:	Conditions	Compliances
(I)	Specific Conditions	
	This Environmental Clearance is valid subject to the following conditions below That this project has a. Obtained all legal rights to operate at concerned place. b. Complied with all existing concerned laws of the land and c. Complied with the decisions of SEIAA on the issue of Environmental clearance till date	Agreed
II	Statutory Compliance:	
	i. 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.	This unit has own land for which clearance from Divisional Forest Officer, Giridih (East) has been obtained copy enclosed herewith.
	ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	The study area covers 10 km radius around the centre of project site. As per discussion with forest department and topographic sheet it can be observed that there is no Sanctuaries, National Parks, Tiger Reserve or Biosphere Reserve or Elephant Corridor or other protected areas within the study area. Hence, the unit does not require obtaining clearance



		from National Board for Wildlife. Clearance obtained from forest department is enclosed herewith.
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)	Species as per the Schedule-I, in the study area, have not been found hence, project does not require preparing a site specific conservation plan & wildlife Management plan.
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 Board / Committee.	Agreed. Unit shall apply for CTE/CTO before the Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
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.	Agreed. The due date to submit application for No Objection Certificate (NOC) to Central Ground Water Authority (CGWA) is 31.03.2019. The unit has initiated to obtain the permission from CGWA, New Delhi.
vi	The project proponent shall obtain authorization under the Hazardous and other Waste management Rules, 2016 as amended	The unit has Applied for authorisation under the said rule vide application reference no:1664235 dated



	From time to time.	08/09/2017
iii.	Air quality monitoring and preservation :	
	<p>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 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p>	This unit does not come under the 17 categories of highly polluting industries. Hence, this unit does not require to install 24X7 continuous emission monitoring system at process stack to monitor stack emission.
	<p>II. The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p>	Agreed.
	<p>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 PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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>	<p>Now Ambient Air Quality is monitored annually as per the conditions laid down in CTO issued by JSPCB. Further, implementation of this condition will be complied soon. All the monitoring will be based on manually.</p>



	<p>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 the air quality/fugitive emission to Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</p>	<p>Manual stack Monitoring is carried out annually and its report is submitted to the JSPCB. AAQR is also monitored annually and its report is submitted to the JSPCB. Further, Above monitoring report will be submitted to Regional office of the MoEF & CC Zonal office of CPCB and Regional office of SPCB half yearly.</p>
	<p>v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.</p>	<p>Appropriate air pollution control devices have already been provided at all dust prone and vulnerable sources in the factory premises. Adequate numbers of Bag filters with the stack have already been installed. Addition of above, adequate numbers of fix water sprinklers has already been installed and functioning regularly.</p>
	<p>vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.</p>	<p>All the appropriate facility for leakage detection and mechanised cleaning of bags has been provided and further it will be advanced.</p>
	<p>vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.</p>	<p>Agreed. Now, cleaning of plant roads and other area of plant is maintained manually. Further mobile or vacuum cleaner system shall be implemented.</p>
	<p>viii. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting /</p>	<p>This unit has Rolling Mill & Induction Furnace where Iron ore fines are not used. Coal including its fines is used in Producer gas unit. Other fines will be used in</p>



	agglomeration.	fly ash bricks unit. This is going to be set-up by our sister concern unit M/S Santpuria Alloys Pvt Limited, Giridih.
	ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Agreed. Transportation of coal & other raw material is done under covered system. These are fully covered with tarpaulin during transportation.
	x. The project proponent shall provide covered sheds for raw materials like scarp and sponge iron, lump ore, coke, coal etc.	All the Raw materials are stacked under the permanent shed which is fully fenced to prevent from wind.
	xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Agreed. Fume Extraction system has already been installed at all melting furnaces. It is being maintained as per norms.
	xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Agreed.
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 (G.S.R 277(E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time: S.O.3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under	Water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation.



	Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)	
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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Agreed.
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.	Water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation. . Monitoring Report of ground water quality will be submitted to the Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB half yearly.
iv.	Adhere to 'Zero Liquid Discharge'.	Agreed.
v.	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	N A
vi.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R.277 (E) 31 st March,2012(applicable to IF/EAF) as amended from time to time.	N.A. Water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation system.
vii.	Garland drains and collected pits shall be provided for	Agreed. Garland and collected pits have already been



	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.	constructed. Further, it will be advanced.
	viii. The project proponent shall practice rainwater harvesting to maximum possible extent.	Agreed. Now, Katcha pits have already been constructed for rain water harvesting. Further, unit has stepped towards construction of well designed rainwater harvesting system.
	ix. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practice cascade use and by recycling treated water.	Agreed. Here, water is used for cooling purpose only and make-up water is added in water circulation system. Further, advance and possible steps to minimise the water consumption must be taken.
V.	Noise monitoring and prevention:	
	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.	Agreed. Test report will be submitted six monthly.
	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.	Agreed. Ambient noise level report confirm to standards prescribed under E (P) rules, 1986 viz 75dB (A) during day time and 70 dB during night time will be maintained. Test report for ambient noise level recently monitored in this unit is attached here with for your ready perusal.
VI.	Energy Conservation measures :	
	i. The Project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases	Producer gas is used in re-heating furnace to hot the billets and in this process no waste heat is generated.



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	of reheating furnace	Hence, waste heat recovery system is not required.
	ii. Practice hot charging of slabs and billets/blooms as far as possible.	Agreed. Installation works of Hot charging rolling mill unit is in progress and soon it will be commissioned.
	iii. Ensure installation of regenerative type burners on all reheating furnaces.	Agreed.
	iv. Provide solar power generation on roof tops of building, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Agreed.
	v. Provide the project proponent for LED lights in their offices and residential areas.	Agreed. LED lights, in offices and residential area inside the plant have already been provided.
VII.	Waste management	
	i. Used refractories shall be recycled as far as possible.	Agreed.
	ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused melting furnaces.	Here, water is used for cooling purpose only and make-up water is added in water circulation system and no effluent is generated.
	iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and bricks manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	N.A. There no fly ash is generated in this unit.
	iv. 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.
	v. Kitchen waste shall be composed or converted to biogas	NA



	for further use. (to be decided on caste to case basis depending on type and size of plant)	
VIII.	Green Belt :	
	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. Green belt development works to occupy almost 33% of the plant area is going on. Very soon it will be achieved. Further, we assure to maintain and efforts for increasing the plantation will be going on.
	ii. 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.	Agreed to comply. All the possible steps, to reduce the green house gases emission effect, will be initiated. Plan in this regard is being prepared. Green belt is gradually increased to reduce the effect of carbon in the atmosphere.
IX.	Public hearing and Human health issues :	
	i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Agreed. Emergency plan as per factories act 1947, Jharkhand factories Rules, 2001, Control of Industrial Major Accidents Hazardous Rules 1990, Hazardous Wastes (Management and Handling) Rules 1980 & Environment (Protection) Act 1986, duly certified the factory department has been prepared. Further, in this regard advance preparedness will be done.
	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.	Agreed. All the workmen have already been provided personal protection equipment (PPE) viz safety boots, safety goggles, safety helmets and apron etc



		as per the Factory Act.
	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed.
X.	Corporate Environment Responsibility :	
	i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Agreed. Most of works, contained in CER as per the Ministry's OM vide F.No: 22-65/2017-IA.III dated 1 st May, 2018, is being carried out viz health check -up, education etc and rest of the works as per CER will be implemented along with the operation of plant.
	ii. The company shall have a well laid down environment policy duly approved by the Board of Directors. The environment 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.	Agreed. CORPORATE ENVIRONMENTALL POLICY MSL IS COMMITTED TO: Protect Environment and continually improve environmental performance by implementing Environmental Management System involving all employee Comply with all applicable environmental legislation, Regulations, Special & General Conditions laid down by the Statutory bodies time to time



	<p>& CC as a part of six-monthly report.</p>	<p>Prevent, Reduce and control Air pollution Strive to Reduce, Reuse and Recycle the wastes Develop thick green belt in and around the Plant</p>
	<p>iii. A separate Environment 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>Agreed.</p>
	<p>iv. Action plan for implementation EMP and environment conditions along with responsibility matrix of the company shall be prepared and shall be dully approved by competent authority. The year wise funds earmarked for environment 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.</p>	<p>Agreed.</p>
	<p>v. Self-environment audit shall be conducted annually. Every three years third party environment audit shall be</p>	<p>Agreed.</p>



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	carried out.	
	vi. All the recommendation made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.	NA
	vii. Occupational health surveillance of the workers shall be done on ,a regular basis and records maintained as per the Factories Act,	Occupational health surveillance of the workers is carried out on a regular basis. Records are maintained as per the factory act.
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.	Agreed. Published on 27/12/2018 in 1) Prabhat Khabar, Dhanbad publication & 2) Dainik Bhaskar, Dhanbad publication. Website is being prepared; EC with its conditions will be uploaded in unit's website, very shortly.
	ii. The copies of the environmental clearance shall be submitted by the project proponent 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.	Agreed.
	iii. The project proponent shall upload the status of compliance of the stipulated environment clearance	Agreed.



	conditions, including results of monitored data on their website and update the same on half-yearly basis.	
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (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.	Agreed.
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.
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. Environment statement for the existing unit is being submitted in the JSPCB within the stipulated time.
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.



	viii. The project authorities must strictly adhere to the stipulations made by the state pollution Control Board and the State Government.	Agreed.
	ix. The 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.
	x. 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.
	xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
	xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
	xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
	xiv. The Regional Office of this Ministry 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	Agreed.



	data/information /monitoring reports.	
	xv. 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 Transboundary 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.
	xvi. 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, 2010.	Agreed.
XII	Other conditions:	
	i. The authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of authority or for that matter for any other administrative reason.	Agreed.
	ii. In view of MoEF & CC O.M No.- 22-27/2015-IA-III, dated- 12.04.2016 The Environmental Clearance Accorded shall be valid for a period of Seven (07) years. The PP shall not increase production rate and make modifications in process	Agreed.



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	during the validity of Environmental Clearance.	
iii.	In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.	Agreed.

For Mongia Steel Limited.


Director

