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

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

SI No:	Conditions	Compliances	
(1)	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	
П	Statutory Compliance:		
	 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 the certificate issued by the Divisional Forest Officer Giridih (East) Division and Divisional Forest Officer, Wildlife Division Hazaribagh, there is no notified wild life Sanctuaries, National Parks, notified protected area, notified biodiversity area, eco sensitive zone or other protected areas within the study area.	

		Copy of clearance issued by DFO, Wildlife Division Hazaribagh are attached herewith for your perusal.
Conservation plan & V Chief Wildlife Warden Specific Conservation Implemented in consu implementation repor	roponent shall prepare a site-specific Vildlife Management Plan and approved by the . The recommendations of the approved Site- Plan / Wildlife Management Plan shall be Iltation with the state Forest Department. The t shall be furnished along with the Six-monthly case of the presence of schedule-I species in	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 & wildlift Management plan. As per the clearance issued by Divisional Forest Officer, Wildlife Division Hazaribagh, there is notified wild life Sanctuaries, National Parks, notified protected area, notified biodiversity area, expensitive zone or other protected area situated within a radius of 10 km of project.
Operate under the pro Pollution) Act, 1981 ar	oponent shall obtain Consent to Establish / visions of Air (Prevention & Control of and the water (Prevention & Control of om the concerned State pollution Board /	Unit has obtained the Consent to Establish vide reference no: JSPCB/HO/RNC/CTE-3579450/2019/294 DATED 01/05/2019 and Consent to Operate vide reference no: JSPCB/HO/RNC/CTO-5229976/2019/1232 DATED 02/07/2019 from Jharkhand State Pollution Control Board, Ranchi. Copy of CTE & CTO attached herewith.
V The project pro from the Central Groun	ponent shall obtain the necessary permission and Water Authority, in case of drawl of ground	Agreed. Unit has applied online for permission to abstract ground water before the Central Ground

	water / from the competent authority concerned in case of drawl of surface water required for the project.	Water Authority (CGWA) vide application no: 21-4/335/JH/IND/2019 dated 12.03.2019.
	vi The project proponent shall obtain authorization under the	The unit has Applied for authorisations under the said
	Hazardous and other Waste management Rules, 2016 as amended From time to time.	rule vide application reference no: 1664235 dated 08/09/2017. Now it is under process
iii.	Air quality monitoring and preservation :	
	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 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	This unit does not come under the 17categories, Integrated Iron & steel plant of highly polluting industries. Hence, this unit does not require to instal 24X7 continuous emission monitoring system at process stack to monitor stack emission. S.O.3305 (E) dated 7 th December, 2015 indicates compliance for Thermal Power Plants. As our unit is not a thermal power plant, compliance of this condition is not required.
	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.	Agreed. Monitoring test of fugitive emission for firs qtr i.e. January 2019 to March 2019 and 2 nd qtr from April to June 2019 has been carried out by NABI accredited laboratories and report is attached herewith.
	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. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NO_x in reference to	This unit is small unit hence; Ambient Air Quality is monitored annually as per the conditions laid down in CTO issued by JSPCB. Further, AAQMS for paramete

SO_2 and NO_χ 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^o each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)	PM10 has already been installed.
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.	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 Zona office of CPCB and Regional office of SPCB half yearly. Monitoring Report of manual AAQR & SMR are attached herewith for your kind perusal.
v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	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.
vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	All the appropriate facility for leakage detection and mechanised cleaning of bags has been provided and further it will be advanced.
 vii. Sufficient number of mobile or stationery vacuum cleaners shall	Agreed.

	be provided to clean plant roads, shop floors, roofs, regularly.	Now, cleaning of plant roads and other area of plant is maintained manually. Further mobile or vacuum cleaner system shall be implemented.
	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 / agglomeration.	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 fly ash bricks unit i.e. in our sister concern unit M/S Santpuria Alloys Pvt Limited, Giridih. In the expansion phase, hot charging rolling mill will be installed and use of coal will be abolished.
	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 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:	
	 The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 	Water is used for cooling purpose only and no effluent is generated. Only make-up water is added in water circulation.



ii.	(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 Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous) 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. Copy of ground water quality report i attached herewith for your reference.
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. Adhere to 'Zero Liquid Discharge'.	Water is used for cooling purpose only and n effluent is generated. Only make-up water is added i water circulation. Monitoring Report of ground water quality will be submitted to the Regional Office of MoEF & CC, Zona office of CPCB and Regional Office of SPCB half yearly Agreed.
V.	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the	N A

		prescribed standards.	
	vi.	The project proponent shall provide the ETP for	N.A Water is used for cooling purpose and no
		effluents of rolling mills to meet the standards	effluent is generated. Only make-up water is added in
		prescribed in G.S.R.277 (E) 31st March,2012(applicable	water circulation system.
		to IF/EAF) as amended from time to time.	G.S.R.277 (E) 31 st March, 2012 indicates with respec
			to integrated steel plant. Our unit does not come
			under integrated iron & steel plant hence, compliance
			of its condition not required.
	vii.	Garland drains and collected pits shall be provided for	Agreed. Garland and collected pits have already beer
		each stock pile to arrest the run-off in the event of	constructed. Further, it will be advanced.
		heavy rains and to check the water pollution due to	
		surface run-off.	
	viii.	The project proponent shall practice rainwater	Agreed. Now, Katcha pond has already beer
		harvesting to maximum possible extent.	constructed for rain water harvesting. Further, uni
			has stepped towards construction of well designed
			rainwater harvesting system.
	ix.	The project proponent shall make efforts to minimize	Agreed. Here, water is used for cooling purpose only
		water consumption in the steel plant complex by	and make-up water is added in water circulation
		segregation of used water, practice cascade use and by	system.Furher, advance and possible steps to
		recycling treated water.	minimise the water consumption must be taken.
V.	Noise mon	itoring and prevention:	
	i.	Noise level survey shall be carried as per the prescribed	Agreed. Test report will be submitted six monthly.
	1	guidelines and report in this regard shall be submitted to	Test report is attached herewith.
		Regional Officer of the Ministry as a part of six-monthly	
		compliance report.	
			514 83

	ii.	The ambient noise levels should conform to the standards	Agreed. Ambient noise level report confirm to
	11.	prescribed under E (P) A Rules, 1986 viz. 75 dB (A) during	standards prescribed under E (P) rules, 1986 viz 75dB
		day time and 70 dB(A) during night time.	(A) during day time and 70 dB during night time will
		day time and 70 ab(A) daring right time.	be maintained. Test report for ambient noise level
			recently monitored in this unit is attached here with
			for your ready perusal.
VI.	Energy Co	onservation measures :	
	i.	The Project proponent shall provide waste heat	Producer gas is used in re-heating furnace to hot the
		recovery system (pre-heating of combustion air) at the	billets and in this process no waste heat is generated.
		flue gases of reheating furnace	Hence, waste heat recovery system is not required.
	ii.	Practice hot charging of slabs and billets/blooms as far	Agreed. Installation works of Hot charging rolling mill
		as possible.	has been planned. After getting EC for expansion
			from SEIAA, Jharkhand, Hot charging rolling mill will be installed.
	iii.	Ensure installation of regenerative type burners on all reheating furnaces.	Agreed.
	iv.	Provide solar power generation on roof tops of building,	Agreed. For providing Solar power generation on roof
		for solar light system for all common areas, street lights,	tops of building, contract agreement with M/S SOLAR
		parking around project area and maintain the same	AND ENERGY SAVING COMPANY, RANCHI has been
		regularly.	signed on dtd.04/04/2019.
	v.	Provide the project proponent for LED lights in their	Agreed. LED lights, in offices and residential area
		offices and residential areas.	inside the plant have already been provided.
VII.	Waste ma	anagement	
	i.	Used refractories shall be recycled as far as possible.	Agreed.
	ii.	Oily scum and metallic sludge recovered from rolling	Here, water is used for cooling purpose only and

		mills ETP shall be mixed, dried and briquetted and	make-up water is added in water circulation system
		reused melting furnaces.	and no effluent is generated.
	iji.	100% utilization of fly ash shall be ensured. All the fly	N.A.
		ash shall be provided to cement and bricks	There no fly ash is generated in this unit.
		manufacturers for further utilization and Memorandum	
		of Understanding in this regard shall be submitted to	
		the Ministry's Regional Office.	
	iv.	The waste oil, grease and other hazardous waste shall	Agreed.
		be disposed of as per the Hazardous & Other waste (
		Management & Trans boundary Movement) rules,	
		2016	
	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%	Agreed. Green belt development works to occupy
		of the plant area with a native tree species in	almost 33% of the plant area is going on. Very soon it
		accordance with CPCB guidelines. The greenbelt shall	will be achieved. Further, we assure to maintain and
		inter alia cover the entire periphery of the plant.	efforts for increasing the plantation will be going on.
	ii.	The project proponent shall prepare GHG emissions	Agreed to comply. All the possible steps, to reduce
		inventory for the plant and shall submit the program for	the green house gases emission effect, will be
		reduction of the same including carbon sequestration	initiated.
		including plantation.	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 issue	es:	
	i. Emergency preparedne	ss plan based on the Hazard Assessment (HIRA) and Disaster	Agreed. Emergency plan as per factories act 1948, 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.
	analysis for the workmen	shall carry out heat stress who work in high temperature Personal Protection Equipment f 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.
	labour within the site wand facilities such as formobile STP, safe drinking crèche etc. The hous	for the housing of construction with all necessary infrastructure uel for cooking, mobile toilets, and water, medical health care, and may be in the form of to be removed after the ct.	Agreed.
Χ.	Corporate Environment Responsibility		
	i. The project proponent s contained in this Ministr	hall comply with the provisions y's OM vide F. No. 22-65/2017-018, as applicable, regarding	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 & CC as a part of six-monthly report.	CORPORATE ENVIRONMENTALL POLICY Mongia Steel Ltd 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 Statutage Legislation.
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,	Agreed.
	The control of Schiol Executive	

		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.	
	v.	Self-environment audit shall be conducted annually. Every three years third party environment audit shall be 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.	Miscellaneo	ous:	, , , , , , , , , , , , , , , , , , , ,
	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	Agreed. Published on 27/12/2018 in 1) Prabhat Khabar, Dhanbad publication & 2) Dainik Bhaskar, Dhanbad publication. Website has already been prepared i.e. www.mongiasteel.com . EC with its conditions has already been uploaded in unit's website.

		proponent's website permanently.	
	ii.	The copies of the environmental clearance shall be	Copy of EC has been provided to the District
		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.	
	iii.	The project proponent shall upload the status of	Status of compliance condition EC has been uploade
		compliance of the stipulated environment clearance	in company's website. Company's website
		conditions, including results of monitored data on their	www.mongiasteel.com Monitored data will be
		website and update the same on half-yearly basis.	uploaded shortly.
	iv.	The project proponent shall monitor the criteria	Agreed.
		pollutants level namely; PM_{10} , SO_2 , NO_χ (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.	
	V.	The project proponent shall submit six-monthly reports	Agreed. Now this facility is not available in website.
.		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.	
	vi.	The project proponent shall submit the environmental	Agreed. Environment statement for the unit is bein
		statement for each financial year in Form-V to the	submitted in the JSPCB within the stipulated time
		concerned State Pollution Control Board as prescribed	Also uploaded in website of company.
		under the Environment (Protection) Rules, 1986, as	ZGIA SX

	amended subsequently and 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.	
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	Agreed.
	during their presentation to the Expert Appraisal Committee.	
Х.	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	Agreed.
	environmental clearance and attract action under the provisions of Environment (Protection) Act. 1986.	
xii.	The Ministry may revels	Agreed.

	satisfactory.	
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 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	Agreed.
	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.	
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.
Other conditions:		



i.	The authority reserves the right to add any new condition	Agreed.
	or modify the above conditions or to revoke the clearance	
a a	if conditions stipulated above are not implemented to the	
	satisfaction of authority or for that matter for any other administrative reason.	
ii.	In view of MoEF & CC O.M No 22-27/2015-IA-III, dated-	Agreed.
	12.04.2016 The Environmental Clearance Accorded shall be	
10 Mg	valid for a period of Seven (07) years. The PP shall not	
	increase production rate and make modifications in process during the validity of Environmental Clearance.	
iii.	In case of any deviation or alteration in the project	Agreed.
	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.	

For Mongia Steel Limited.

MONGIA STEEL LTD.

Director

