



## SHAKAMBHARI ISPAT & POWER LTD.

CIN : U27109WB2001PLC093869 | GSTIN.:19AADCM1189L1Z1 | PAN NO.: AADCM1189L | STATE : WEST BENGAL | STATE CODE : 19

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24/12

November 22, 2018

To  
Dr. A.K. Gupta  
Joint Director (S)  
Ministry of Environment Forest and Climate Change  
Government of India  
Eastern Regional Office  
A/3, Chandrasekharapur  
Bhubaneswar-751023  
Odisha

Sub.- Submission of Six Monthly compliance report for the period Dec, 2017 to May, 2018 as per EIA Notification-2006 for Expansion of Integrated Steel Plant (from existing 0.074 MTPA Steel Billets to 0.3 MTPA Rolled Products and 0.2MTPA Billet) with Captive Power Plant of 99MW [65MW (6MW existing + 59 MW proposed) from AFBC and 34 MW (6MW existing +28MW proposed) from WHRB] of M/s. Shakambhari Ispat and Power Ltd., located at Vill: Pavatpur, Radhamadhabpur, Madandih, PO-Bartoria, District-Purulia, West Bengal

Dear Sir,

With reference to the above we are enclosing herewith status of Compliance to the condition of Environmental Clearance obtained from MoEF&CC, New Delhi vide Letter No. F. No. J-11011/201/2013-IA.II(I) dt.21.12.2016.

Thanking You

Yours faithfully,

For Shakambhari Ispat and Power Limited

Director

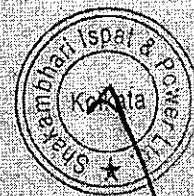


cc to:- To  
The members Secretary  
WBPCB, Paribesh Bhawan  
Block - LA, NO.-10A, Sec.-III  
Salt Lake City  
Kolkata - 700098

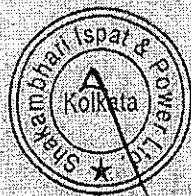


Compliance to the condition of Environmental Clearance obtained from MoEF&CC,  
New Delhi vide Letter No. F. No. J-11011/201/2013-IA.II(I) dt.21.12.2016

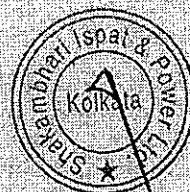
Sl. No.	Condition	Compliance
<b>SPECIFIC CONDITION</b>		
i.	The project proponent shall install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to Ministry and its Regional Office	Online Monitoring facility has been provided for all major Stacks and has been connected with the server of CPCB.
ii.	No dumping is permitted in the abandoned coal 2B and 2C in nearby Parbelia Village. The iron ore tailing and excess ash should be stored within the plant premises for the period of 2 years for which land is available. The status of storage of above material shall be periodically reviewed by the regional office for land adequate and environmental management. For future storage of iron ore tailing and excess ash, beyond the period of 2 years, the proponent will submit the land acquisition details to the Ministry.	No Iron ore tailing is generated because Iron ore beneficiation plant is yet to be implemented. The Ash generated from the power plant is being temporarily stored within the plant premises for its subsequent use for cement /brick making.
iii.	In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant etc. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.	Necessary pollution control equipment like bag filter, ESP, dust suppression system, etc. has been installed at relevant locations.
iv.	The ETP for Mini Blast Furnace effluent should be designed to meet Cyanide standard as notified by the	Mini Blast Furnace is yet to be installed.



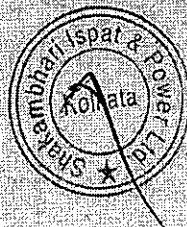
	MoEFCC.	
v.	No effluent shall be discharged outside the plant premises and 'zero' discharge shall be adopted.	No effluent is being discharged outside the plant.
vi.	Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm <sup>3</sup> and installing energy efficient technology.	Online Monitoring facility has been provided for all major Stacks and has been connected with the server of CPCB. Necessary pollution control equipment like bag filter, ESP, dust suppression system, etc. has been installed at relevant locations.
vii.	Hot gases from DRI kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) to burn CO completely. The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack.	WHRB has been installed to utilize waste heat from DRI.
viii.	Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly. All the effluent should be treated and used for ash handling, dust suppression and green belt development. ETP sludge should be disposed off scientifically.	Rain water harvesting is under implementation. Air Cooled condenser has been provided in the power plant. All the effluents are being used for different purposes like ash handling, dust suppression, green bent, etc. inside the plant. There is no discharge of any effluent outside the plant.
ix.	All the coal fines, char from DRI plant shall be utilized and no char shall be used for briquette making or disposed off anywhere else. All the other solid waste including broken refractory mass shall be properly	Char generated from DRI Plant is being utilised in Power Plant and other solid wastes are being disposed off properly.



	disposed off in environment-friendly manner.	
x.	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coalmines shall be created within the Unit.	Internal roads are being concretised and regularly cleaned and plantations being developed. Parking for trucks have been created within the plant premises.
xi.	The Standards issued by the Ministry vide G.S.R. No. 277(E) dated 31st March, 2012 regarding integrated iron and steel plant shall be followed.	Complied
xii.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed	Complied
xiii.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	Complied
xiv.	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent.	Complied
xv.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office, SPCB and CPCB.	Char generated from DRI Plant is being utilised in Power Plant and other solid wastes are being disposed off properly. The Ash generated from the power plant is being temporarily stored within



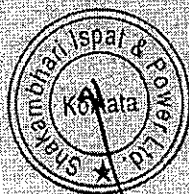
		the plant premises for its subsequent use for cement /brick making. IF slag is being used for land filling and road making.
xvi.	A time bound action plan shall be submitted to reduce solid waste generated due to the project related activity, its proper utilization and disposal.	Solid Waste Management report is being prepared & will be submitted after finalization.
xvii.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2009. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office.	Complied
xviii.	A Risk and Disaster Management Plan shall be prepared and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter.	A Risk and Disaster Management Plan preparation in process and a copy will be submitted to the Ministry's Regional Office, SPCB and CPCB
xix.	Green belt shall be developed in at least 33% of the project area by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.	Complied
xx.	All the commitments made to the public during Public Hearing/public consultation meeting shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Complied
xxi.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional	Action plan has been made to implement ESC in consultation with local administration.



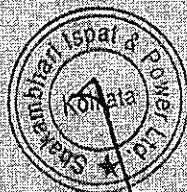
	<p>Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office.</p>	
xxii.	<p>The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.</p>	Being complied
xxiii.	<p>The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to being into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii)</p>	Standard Operating procedures have been implemented accordingly.



	Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of noncompliance/ violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	
xxiv.	The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.	Being implemented
xxv.	The project proponent shall provide for LED lights in their offices and residential areas.	Complied
xxvi.	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.	Complied
<b>GENERAL CONDITIONS:</b>		
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board and the State Government	Agreed
ii.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed
iii.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum round level concentration of PM10, PM2.5, SO2 and NOx are anticipated in consultation with the PCB data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its	Agreed.

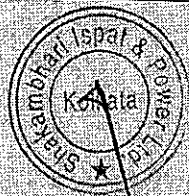


	Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	
iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Agreed
v.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB(A)) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75dB(A) during day time and 70 dB(A) during night time.	Agreed, Action has been taken during design stage.
vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being Complied.
vii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Agreed
viii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied
ix.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated	Agreed





	<p>by the Ministry of Environment, Forest and Climate Change (MoEF&amp;CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.</p>	
x.	<p>A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/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 web site of the company by the proponent.</p>	Complied
xi.	<p>The project proponent shall upload the status of compliance of the stipulated environment 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 MoEF&amp;CC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10,SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	Agreed
xii.	<p>The project proponent shall also submit six monthly report status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&amp;CC, the respective Zonal</p>	Agreed



	Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB/SPCB shall monitor the stipulated conditions.	
xiii.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 conditions and shall also be sent to the respective Regional Office of the MoEF&CC at Bhubaneswar by e-mail.	Agreed
xiv.	The project proponent shall inform the public that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news paper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and copy of the same should be forwarded to the Regional Office at Bhubaneswar	Complied
xv.	Project authorities 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 and the date of commencing the land development work.	Agreed

