

# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** IA/CG/IND/19867/2009

## 1. Name of the Entity / Corporate Office :

## 2. Proponent Details :

## 3. Compliance Letter/Report (Proponent):

## 4. Summary Status of Compliance :

Total Condition :	33		
Complied :	3	Being Complied :	4
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	26		

## 5. Details of Production and Project Area :

## 6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	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 waste /hazardous waste shall be submitted to the ministry's Regional Office at Bhopal, CECB and CPCB.	Agreed to Comply	Noted for compliance. Construction work for expansion units are yet to be started. Noted for compliance. Construction work for expansion units are yet to be started.	N/A	
2	Ground water monitoring around the solid waste disposal site /secured landfill (SLF) shall be carried out regularly and report submitted to the ministry's regional office at Bhopal ,CPCB and CECB.	Agreed to Comply	No solid waste is generated as the units are yet not installed.	N/A	
3	Continuous monitoring of total organic compounds (TOC) shall be done at the outlet of ETP (BOD) plant.	Agreed to Comply	Shall be done after the installation of the unit	N/A	
4	No coal based sponge iron plant and captive power plant shall be installed without prior	Agreed to Comply	Noted for compliance	N/A	

	permission from state Govt. of Chhattisgarh (banned as per the order of the Govt. of Chhattisgarh dated 16 march ,2007				
5	Total water requirement of the water from river kharoon shall not exceed 380.50 m3/h. rolling mill overflow shall be taken to settling tank for removal of scales. All the waste water shall be treated in effluent treatment plant(ETP) and treated waste water including cooling tower blow down shall be used for dust suppression, sinter nodulizing ,slag quenching, ash handling, green belt development and various other project related activities. Zero discharge shall be adopted.	Being Complied	Water consumption is well within the limit as only oxygen plant is in operation and construction of remaining units are yet to be started.	N/A	
6	Closed circuit cooling shall be adopted to reduce fresh water consumption. Acidic and alkaline effluent from DM water plant shall be neutralized and reused for various activities in plant. Phenolic effluent shall be treated in BOD plant and used for quenching of hot coke. No waste water shall be discharged outside the premises and Zero effluent discharge shall be ensured.	Agreed to Comply	Units are yet not installed, shall be complied when unit operation will be started.	N/A	
7	All the standards prescribe for the coke oven shall be followed as per the latest guidelines. Proper and full utilization of coke oven gases in power plant using waste heat recovery system shall be ensured and no flue gases shall be discharged into air.	Agreed to Comply	Units are yet not installed, shall be complied when unit operation will be started.	N/A	
8	Electronic precipitator (ESP) shall be provided to AFBC boilers, DRI Kiln, coke oven and sinter plant to control air emissions below 100 mg/Nm3.gas cleaning plant having dust catcher and pulse jet bag shall be provided to blast furnace (BF).Stacks of adequate height as per CPCB guidelines shall be provided to control emissions from the blast furnace (BF),sinter Plant, Coke oven, Steel melting shop(SMS),Rolling Mill etc.	Agreed to Comply	Noted for compliance, Construction work for expansion units are yet to be started.	N/A	
9	Gaseous emission levels including secondary fugitive emissions from Blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines /code of practice issued by the CPCB shall be followed. The emission standards issued by	Agreed to Comply	Construction work for expansion units are yet to be started.	N/A	

	the Ministry in May, 2008 for the sponge plants shall be followed.				
10	Prior permission for the drawl of 380.50 M3/h water from Kharoon River shall be obtained from the concerned department. The water consumption shall not exceed 16 m3.T/Ton of steel as per prescribe standard.	Agreed to Comply	Construction work for expansion units are yet to be started.	N/A	
11	Fume extraction system with bag filters shall be provided to steel melting shop to control fugitive emission. Dust extraction (DE) system shall be provided to BF. dust suppression (DS) system to raw material handling area shall be provided. Adequate stack height will be provided to rolling mill and other plants. DE & DS system along with dust collectors shall be provided to coke oven plant. water quenching shall also be done. Fugitive emissions shall be regularly monitored and records maintained	Agreed to Comply	Construction work for expansion units are yet to be started.	N/A	
12	Vehicular pollution due to transportation of raw materials and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw materials and finished product. Efforts shall be made to reduce the impact of transport of the raw materials and end products on the surroundings environment including agriculture land. All the raw material including fly ash shall be transported in the closed containers only and shall not be o	Agreed to Comply	Construction work for expansion units are yet to be started. Hence no vehicle movement is in plant premises resulting no vehicular emission caused.	N/A	
13	Char shall be used in AFBC boiler. All the blast furnace (BF) slag shall be granulated and provided to cement manufacturer for further utilization. Iron ore fines ,mill scales from rolling mill ,scrap ,BF dust /sludge ,coke breeze from coke oven plant,flue dust from SMS,DRI and sinter plant shall be used in sinter plant in making sinter to be used further in blast furnace .Fly ash shall be used for cement making. Bottom ash shall be used for road making. SMS slag shall be given for metal recover	Agreed to Comply	All the solid wastes will utilized as per the guideline after installation of the units	N/A	
14	A time bound action plan shall be submitted to reduce soild waste, its proper utilization and disposal.	Agreed to Comply	Shall be when plant operation will be started	N/A	
15	All the recommendations made in the charter on Corporate Responsibility for	Agreed to Comply	Noted for compliance. Construction	N/A	

	Environment protection (CREP) for the steel sector shall be implemented.		work for expansion units are yet to be started.		
16	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg/Nm <sup>3</sup> . At no time the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission lev	Agreed to Comply	Construction work for expansion units are yet to be started. Shall be complied during operation phase of the plant.	N/A	
17	Proper utilization of fly ash shall be ensured as per Fly ash notification, 1999 as amendment in 2003.	Agreed to Comply	Noted for compliance. Construction work for expansion units are yet to be started. Shall be complied during operation phase of the plant	N/A	
18	As proposed green belt shall be developed in 33% area within and around the plant premises to mitigate the effects of air emissions as per the CPCB guidelines in consultation with DFO.	Complied	Green belt has been developed in more than 33% area of the plant.	N/A	
19	The company shall provide housing for construction labor 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 project.	Agreed to Comply	All the necessary infrastructure and facilities will be provided for construction labor when construction of the plant will be started.	N/A	

## 7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The gaseous emission from various process shall conform to the load /mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emission level shall	Agreed to Comply	Construction work for expansion units are yet to be started. Shall be complied during operation phase of the plant.	N/A	

	go beyond the prescribe standards. on-line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking fac				
2	Project authorities shall inform the Regional Office as well as the Ministry, the date of the financial closure and final approval of the project by the concerned authorities and the date of the commencing the land development work.	Agreed to Comply	Noted for compliance	N/A	
3	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	Agreed to Comply	Noted for compliance	N/A	
4	The Regional Office of this Ministry at Bhopal/CPCB/CECB will monitor the stipulated conditions. A six monthly compliance report and monitored data along with statistical interpretation shall be submitted to them regularly.	Complied	Six monthly compliance report is being submitted to the regional office of the ministry.	N/A	
5	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Agreed to Comply	Noted for compliance. Construction work for expansion units are yet to be started.	N/A	
6	As proposed, Rs. 125 crores and Rs. 25.00 Crores shall be earmarked towards capital cost and recurring cost /Annam for environmental protection measures to implement the conditions stipulated by Ministry of Environment & Forest 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 Bhopal. The funds so provided shall not be diverted for any other purpose.	Agreed to Comply	Shall be complied once the Construction work for expansion units will be started.	N/A	
7	Industrial waste water shall be properly collected ,treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 may,1993 and 31st December 1993 or as amended from time to time .The treated waste water shall be utilized for plantation purpose.	Agreed to Comply	Shall be complied during operation phase of the plant	N/A	
8	The overall noise level in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should	Being Complied	Ambient noise level is being monitored which well within the prescribed level.Acoustic enclosures shall be provided on all noise	N/A	

	conform to the standards prescribed under EPA rules 1989 viz 75 dBA (daytime) 70 dBA (nighttime)		generating sources during plant operation phase.		
9	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at Website of Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within the seven days of issue of the clearance letter., at least in two local newspaper that are widely circulated in the region of which one shall be in vernacular language of the locality conce	Complied	Published in two local news paper that environmental clearance has been accorded by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at Website of MoEF&CC	N/A	
10	The project proponent shall also comply with all the environmental protection measures and safeguard recommended in the EIA & EMP report .Further the company must undertake socio - economic development activities in the surroundings villages like community development programmes, educational programmes drinking water supply and health care etc.	Agreed to Comply	Shall be complied once the construction of expansion unit will be started.	N/A	
11	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM SO2 and Nox are anticipated in consultation with CECB. data on ambient air quality and stack emission should be regularly submitted to this Ministry including its regional Office at Bhopal and the CECB/CPCB once in six months.	Agreed to Comply	Noted for compliance. Construction work for expansion units are yet to be started. Shall be complied during operation phase of the plant	N/A	
12	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board(CECB) and the state Government.	Being Complied	stipulated conditions made by the Chhattisgarh Environment Conservation Board(CECB) and the state Government is being adhered strictly.	N/A	
13	Occupational health surveillance of the workers should be done on regular basis and record maintained as per the factories act.	Being Complied	Occupational health surveillance of the workers is being done on regular basis and record maintained as per the factories act.	N/A	

14	In plant control measures for checking fugitive emission from all the vulnerable sources like spillage/raw material/coal handling etc. shall be provided/Further, specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points. Blast furnace stock house and other enclosed raw material handling areas. Centralized DE-dusting system i.e. collection of fugitive emission through suction	Agreed to Comply	Construction work for expansion units are yet to be started. Shall be complied during operation phase of the plant	N/A	
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**\*\*Note : N/A - Not Available**

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