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## EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** IA/CG/IND/18759/2008

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

### 2. Proponent Details :

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

### 4. Summary Status of Compliance :

Total Condition :	31		
Complied :	17	Being Complied :	10
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	4		

### 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 utilization of fly ash shall be ensured as per Fly ash Notification, 1999 and subsequent amendment in 2003.	Complied	Compliance assured. We have installed fly ash brick plant in our plant premises for brick and block making and it's all is being used in construction work.	N/A	
2	Electrostatic precipitator (ESP) shall be provided to Sinter plant, Pellet plant, Beneficiation plant, power plant, and cement plant. 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.	Complied	ESP has been provided in Sinter Plant, Pellet Plant and Power Plants to control the emission below prescribed norms. Stacks of adequate height as per CPCB guidelines have been provided.	N/A	

3	Continuous monitoring of total organic compounds (TOC) shall be done at the outlet of ETP (BOD plant).	Complied	TOC monitoring is being done at the outlet of ETP.	N/A	
4	All the recommendations made in the charter on corporate responsibility for the environment protection (CREP) for the steel sector shall be implemented.	Complied	The charter on corporate responsibility for the environment protection (CREP) for the steel sector already implemented.	N/A	
5	Total requirement of the water from the Kharun river shall not exceed 36,350 m <sup>3</sup> /day. Closed circuit system shall be adopted. All the waste shall be treated, in effluent treatment plant (ETP) and treated waste water including cooling tower blow down shall be used for dust suppression, slag granulation, green belt development and various other project related activities. Clarifier and thickener shall be installed in beneficiation and pellet plant for water recovery and recirculation.	Complied	The total water requirement is within the sanctioned limit. All the waste water treated and recycled by WWTP (ETP) & used in plant process, green belt and dust suppression.	N/A	
6	Efforts shall be made to reduce RSPM levels in the ambient air and time bound action plan shall be submitted. On line stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep emission levels below 100 mg/Nm <sup>3</sup> . in cement plant, limit of SPM shall be controlled within 50 mg/Nm <sup>3</sup> by installing adequate air pollution control devices.	Complied	Actions has been to reduce the RSPM level. Following APCD have been installed ESP, Bag House, Bag filters are attached to the various process units to control the emission level PM below 50.	N/A	
7	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 practices issued by the CPCB shall be followed.	Complied	Company has installed venturi scrubber and ESP in Blast Furnace and Sinter Plant respectively to achieve the latest permissible limit. Bag filters installed to control secondary fugitive emission	N/A	
8	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.	Agreed to Comply	Cement Plant has yet not been installed.	N/A	
9	Prior permission for the drawl of 36,350 m <sup>3</sup> /day water from the Kharoon river shall be obtained from the concerned department.	Complied	Permission has been obtained from water resource dept. Govt. of CG vide	N/A	

			letter no 5323/29 /14/M/31/01, dated 28.10.02.		
10	Zero effluent discharge shall be strictly followed and no waste water shall be discharged outside premises.	Complied	We are always maintained the zero-discharge condition.	N/A	
11	Dust extraction system comprising of pulse jet type bag filter shall be provided to Blast furnace, Cement grinding unit, Beneficiation plant and Pellet plant, Fume extraction system with bag filters shall be provided to Steel melting shop to control fugitive emissions. Suction hood with separator shall be provided to collect the dust particles.	Complied	Bag Filters have been provided to the existing Blast furnace & Pellet Plant. Fume extraction system with bag filters and Suction hood with separator has been provided in existing SMS Unit	N/A	
12	No coal based sponge iron plant and captive power plant shall be installed as per the order of State Govt. of Chhattisgarh and shall take prior approval from the State Govt. and Ministry as and when decided for the installation of the same.	Agreed to Comply	Noted	N/A	
13	All the blast furnace (BF) slag shall be granulated in slag granulated plant and provided to the cement manufacturers for further utilization. Flue dust from pellet plant, sinter plant, DRI and SMS and sludge from the BF shall be reused in sinter plant. Flue dust from beneficiation and cement units shall also be recycled. Coke breeze from coke oven plant shall be used in sinter and pellet plant. SMS slag shall be given for metal recovery or properly utilized. All the other solid / hazardous waste	Being Complied	BF Slag is supplied to the Cement plant. Flue dust of SMS, sludge from BF is used in Sinter plant. Flue dust from Pallet Plant ie recycled back, coke breeze is used in sinter SMS slag used in road mak	N/A	
14	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land. All the raw material including fly ash transported in the closed containers only and shall not be overloaded. Vehicular emissions regularly monitored.	Being Complied	All the raw materials are transported in covered truck. Fly Ash is being transported in tarpaulin covered vehicle; water spray is being done on the fly ash vehicle to prevent it from air borne.	N/A	
15	All the standard prescribed for the coke oven plant shall be followed as per the latest guidelines. Proper and full utilization of coke oven and gases in power plant using waste heat recovery steam generators shall be ensured	Complied	All standard prescribed for the coke oven plant is being followed as per the latest guidelines. The Coke oven gases	N/A	

	and no flue gases shall be discharged into the air.		are being utilized in waste recovery boiler for Power generation.		
16	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Complied	100 % solid waste generated is being utilized. BF Slag is supplied to Cement plant. Flue dust of SMS, sludge from BF is used in Sinter plant Coke breeze is used in Sinter & SMS Slag used for road maki	N/A	
17	As proposed, green belt shall be developed in an area of 133 ha (33%) within and around the plant premises to mitigate the effects of air emissions as per the CPCB guidelines in consultation with DFO.	Complied	More than 5 Lakh saplings have been planted in the plant and covered approx. 40% of area with green belt which is more than 33%.	N/A	

## 7. General Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The overall noise levels in and around the plant area shall be kept well within the standards ( 85 dBA) by the 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, 75 dBA (daytime) and 70 dBA (nighttime).	Being Complied	Noise levels are monitored regularly and overall noise level is kept below 85 dB(A) by providing acoustic hoods, silencers, enclosures, etc. on all sources of noise generation.	N/A	
2	The Company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging ground water tables.	Complied	Company has been constructed 10 nos. rain water harvesting pits and 05 nos. ponds to recharge ground water table at plant premises i.e. Adm Building, Central Store, SMS, Rolling Mill, coke oven & DRI.	N/A	
3	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	Complied	Noted. The date of the last financial closure and final approval of the project by 2015-16.	N/A	

	development work.				
4	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	Newspaper publication on Deshbandhu and Hitvada dated 25.08.2009.	N/A	
5	No further expansion or modifications in the plant should be carried out without prior approval of Ministry of Environment and Forests.	Agreed to Comply	Noted	N/A	
6	At least four air quality monitoring stations should be established in the downwind directions as well as where maximum ground level concentration of SPM, SO <sub>2</sub> and NO <sub>x</sub> 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.	Complied	04 nos. Continuous ambient air Quality monitoring station (CAAQMS) and continuous emission monitoring system (CEMS) have been installed in plant. The real time data transmitting in CECB/CPCB server.	N/A	
7	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state government.	Agreed to Comply	Noted	N/A	
8	Industrial waste water properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31 December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Being Complied	All the industrial waste water collected and treated in ETP and treated Water is being utilized for plant process, dust suppression and green belt development	N/A	
9	In plant control measures for checking fugitive emissions from all vulnerable sources like spillage/raw material/coal handling etc. shall be provided. Further, specific measures like provision of dust suppression system consisting water sprinkling, suction hood, fans and bag	Being Complied	Centralized de-dusting system has been provided in Stock house and cast house in Blast Furnace and RHMS. Monitoring of the environmental parameters are	N/A	

	filters etc. shall be installed at material transfer point, blast furnace, stock house and other enclosed raw material handling area, centralized de-dusting system i.e. collection of fugitive emission through suction hood an		being done as per guidelines & record maintained		
10	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 the regularly.	Being Complied	Complying, the Company has regularly submitted six-monthly EC compliance report to MOEF, CPCB & CECB. last report submitted on 31.05.2022 by mail & registered post.	N/A	
11	Occupational Health Surveillance of the workers should be done on the regular basis and records maintained as per the Factories Act.	Being Complied	Periodical medical checkup is undertaken and records are maintained as per the Factories Act.	N/A	
12	As proposed, Rs. 185.00 crores and Rs. 18.50 crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as state Government. An implementing schedule for implementing all the conditions stipulated here in shall be submitted to the Regional Office of Ministry at Bhopal. The funds so provided shall not be diverted for any other purposes.	Being Complied	The period of April 22 to September 22 Rs. 3.5 Cr have been invested on Environmental Protection Measures.	N/A	
13	The project proponent shall also comply with all environmental protection measures and safe guard recommended in EIA/EMP report. Further the Company must undertake socio economic development activities in the surrounding villages like community development programmers, educational programmers, drinking water supply and health care's etc.	Being Complied	The period of April 22 to September 22 Rs. 3.5 Cr have been invested on Environmental Protection Measures. The company regularly doing CSR activity Rs. 42.43 Lacs in our surroundings areas.	N/A	
14	The gaseous emissions from the various process units 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	Being Complied	The gaseous emissions from the units are kept below the prescribed norms. CEMS & 4 Nos. AAQMS have been installed	N/A	

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 levels shall go beyond the prescribed standards. On line continuous monitoring system shall be installed in stacks to monitor SPM and i	and connected with CPCB/CECB server. Interlocking has been incorporated in DCS system		
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**\*\*Note : N/A - Not Available**

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