

EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : IA/CG/IND/6695/2008

1. Name of the Entity / Corporate Office :

2. Proponent Details :

3. Compliance Letter/Report (Proponent):


4. Summary Status of Compliance :


Total Condition :	29		
Complied :	20	Being Complied :	7
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	2		


5. Details of Production and Project Area :

6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	All the recommendations made in the charter on corporate responsibility for the environment protection (CREP) for the steel sector shall be strictly implemented.	Complied	The charter on corporate responsibility for the environment protection (CREP) for the steel sector already implemented.	N/A	
2	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Complied	The Blast furnace slag is granulated and sold to cement manufacturers. Flue Dust and GCP sludge is reused in sinter plant for sinter making.	N/A	
3	As proposed, green belt shall be developed in 33% within and around the plant premises to mitigate the effects of air emissions as per the CPCB guidelines in consultation with DFO.	Complied	A thick green belt has been developed along the boundary of the plant. More than 5 Lakh trees have been planted in the plant and	N/A	

			covered approx. 40% of area with green belt which is more 33%.		
4	The Company shall provide housing for 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 completion of the project.	Complied	The Company has provided all necessary infrastructure and facilities such as toilets, safe drinking water, medical health care etc for construction labour at the site.	N/A	
5	Proper handling, storage, utilization and disposal of all 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 at Bhopal, CECB and CPCB.	Being Complied	Solid wastes is being utilized 100%. Analysis of solid waste regarding toxic metal content and its composition is carry out time to time by NABL accredited lab. Report of same is submitted to CPCB	N/A	
6	Gaseous emission levels including secondary fugitive emissions from blast furnace and sinter plant shall be control within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/ code of practices issued by the CPCB shall be followed. The emission standards issued by the Ministry in May 2008 shall be followed. Fugitive emissions shall be regularly monitored and records maintained.	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	
7	All 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 and no flue gases shall be discharged into the air.	Being Complied	All standard prescribed for the coke oven plant is being followed as per the latest guidelines. The Coke oven gases are being utilized in waste recovery boiler for Power generation.	N/A	
8	Ground water monitoring around the solid waste disposal site/secured landfill (SLF) should be carried out regularly and report submitted to the Ministry's Regional Office at Bhopal, CPCB and CECB.	Being Complied	Ground water monitoring around the solid waste disposal site/secured landfill (SLF) is being monitored by NABL Accredited Lab on six monthly basis		
9	The water consumption shall	Complied	The avg water	N/A	


	not exceed 16 m3/ton of steel as per prescribed standard.		consumption is below 10 M3/Ton recorded in FY 2021-22		
10	All the blast furnace (BF) slag shall be granulated and used in cement production in the cement grinding unit at the site. Iron ore fines and other iron bearing solid waste shall be used in pellet and sinter plant. All the other solid wastes including broken refractory mass shall be properly disposed off in environment-friendly manner. Oily waste shall be provided to authorized recyclers/ re-processors.	Complied	The Blast furnace slag is granulated and sold to cement manufacturers. Flue Dust and GCP sludge is reused in sinter plant for sinter making. Used Oil is sold to the CPCB authorized re-cycler	N/A	
11	Prior permission for the drawl of 162 m3/hr water from the Kharoon river from concerned department should be obtained.	Complied	Permission obtained from WRD for water withdraws from Kharoon river.		
12	Total requirement of the water from the Kharoon river for the proposed expansions shall not exceed 162 m3/hr . Dust laden water slurry from GCP shall be treated in ETP and re-circulated for the scrubbing after clarification in thickener. Treated waste water shall be 100% reused for the slag granulation. Phenolic effluent from coke oven shall be treated in BOD Plant and used for quenching of hot coke. All the waste water from process and domestic source shall be treated, recycled and reused for d	Being Complied	Slurry from GCP is being clarify in thickener and water is reused for the slag granulation The coke oven is Non-Recovery Type; hence BOD plant is not applicable.Zero discharge condition is maintained.	N/A	
13	Vehicular pollution due to the transportation of the 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 material and finished product. All the raw material including fly ash transported in the closed containers only and shall not be overloaded. Vehicular emissions regularly monitored and record kept.	Being Complied	All internal roads are pucca. Regular cleaning is being done through road sweeping machine. Regular water spraying is being done on roads.All the raw materials are transported though covered truck.	N/A	
14	Pulse jet bag filters will be provided to raw material stock house to control fugitive emissions. Dust extraction (DE) system to blast furnace, stock house, gas cleaning plant and sludge disposal system shall be provided. Dust suppression (SP) system to raw material handling area shall be provided. Covered conveyor shall be provided to the stock house, screen, feeder and discharging points. Fugitive emissions shall be	Complied	The Company has provided Pulse jet bag filter in stock house and cast house. Gas cleaning plant has been provided to clean flue gas from blast furnace. All conveyors are covered.	N/A	

	regularly monitored and records maintained.				
15	Efforts shall be made to reduce RSPM levels in the ambient air and 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 emission levels below 100 mg/Nm ³ . Gas cleaning plant having dust catcher and bag filter along with stacks of adequate height as per CPCB guidelines shall be provided to Blast Furnace (BF) to control emissions within 10	Complied	Actions has been taken 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	
16	The gaseous emissions from the various process units shall be 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 levels shall go beyond the prescribed standards. On line continuous monitoring system shall be installed in stack to monitor SPM and	Complied	The gaseous emissions from units are maintained below the prescribed norms. CEMS have been installed in all process stacks. Data of CEMS and AAQMS is submitted regularly to the Ministry.		

7. General Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state government.	Being Complied	All the conditions, stipulated by the CECB is being adhered.	N/A	
2	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 of workers are being done and records are maintained as per the Factories Act.	N/A	
3	Industrial waste water properly collected, treated so as to conform to the standards prescribed under GSR 422 I dated 19th May, 1993 and 31 December, 1993 or as amended form time to time. The treated waste water shall be utilized for plantation purpose.	Complied	All the industrial waste water collected and treated in Effluent Treatment Plant and treated Water is being utilized for plant process, dust suppression and green belt development.	N/A	

4	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 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	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 being done as per guidelines & record maintained	N/A	
5	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 http://envfor.nic.in . 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	
6	As proposed, Rs. 5.00 crores and Rs. 2.00 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.	Agreed to Comply	Noted for compliance	N/A	
7	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	
8	Project authorities shall inform the Regional Office as well as the Ministry, the date of the financial closure and final approval of the project	Complied	This is not a new project only capacity enhancement carried out	N/A	

	by the concerned authorities and the date of the commencing the land development work.		under renovation and modernization of exiting blast furnace.		
9	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 etc.	Complied	Rs. 3.5 Cr have been expended on Environmental Protection Measures during the period from April'22 to Sep'22. In CSR activity Rs. 42.43 Lacs had been expended in surroundings villages of the Plant	N/A	
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 them regularly.	Complied	EC compliance report is being submitted regularly to MOEF, CPCB & CECB on six monthly basis. Last report submitted on 31.05.2022 by mail & registered post.	N/A	
11	Four air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x 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 is transmitting in CECB/CPCB server	N/A	
12	No further expansion or modifications in the plant should be carried out without prior approval.	Agreed to Comply	Noted for compliance	N/A	
13	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).	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.		

****Note : N/A - Not Available**

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