



Ref. No.BRG/SITE/MOEF/13/02

Date: 03 Dec 2013.

To,

Dr S Kerketta
Scientist "E"
Ministry of Environment & Forest
Govt. of India.

Sub: Submission of half yearly progress report.

Dear Sir,

With reference to the above, as required, we are submitting herewith, the point wise Compliances in respect of the stipulated Environmental Clearance Conditions of our project, both in shape of hand & soft copies for the period April – September as follows; also we have engaged SGS India to monitor the details as per guidelines. One inspection was carried out by SGS India also in the month of May 2013. Report is attached here with for your ready reference.

(A) SPECIFIC CONDITIONS:

1. All efforts are being done to reduce RSPM levels in the ambient air and a time bound action plan has already been submitted. Online stack monitoring facility for DRI Unit was installed. Sufficient air pollution control device viz. Fume extraction system, pneumatic dust handling system with silo, electrostatic precipitator (ESP) and stack of adequate height have been provided to keep the emission levels below 100 mg/Nrn3. Inter-looking system has been provided to ESPs. Monitoring reports are being submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OPCB on every six month interval.
2. Gaseous emissions levels including secondary fugitive emissions from all the sources are being controlled within the latest permissible limits issued by the Ministry & are being regularly monitored. As required we are following latest standards notified by the Ministry in May 2008 & Guidelines/Code of Practice issued by the CPCB, for our sponge Iron Plant.
3. Jet pulse bag filters, dust suppression system and extraction systems are already provided to raw material handling areas, crusher house, Junction towers, Feed points, Belt conveyors, Transfer points ect. to control fugitive emissions. Water sprinkling is being carried out every day at loading/ unloading points.

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File
24.12.13
to APCCF (Central)
Min. Env. & Forests
Regional Office
Bhubaneswar-751023



4. Vehicular pollution due to transportation of raw materials and finished products are being taken care of regularly and kept under control. Proper arrangements are also made to control dust emissions during loading & unloading of the raw materials and finished products. Also concrete road was constructed for control vehicular pollution and that road was cleaned regularly.
5. Total water requirement for the expansion project from Brahmani River and ground water sources are not exceeding 4, 290 m³/day (3,970 m³/d surface and 1,320 m³/d ground water). Closed circuit circulating /cooling water system is already in use. As instructed, the wastewater from the de-mineralization (OM) plant is being neutralized in neutralization pit. The effluent is being treated in effluent treatment plant (ETP) and all the treated wastewater is being recycled and reused for dust suppression, green belt development and various other activities at the site. We are strictly following 'Zero' effluent discharge and no wastewater is discharged out side the premises. Domestic effluent is being treated in sewage treatment plant (STP) and used for green belt development.
6. We had not started drawing water from River Brahmani till now, pipe laying work was completed & we had applied for permission for drawl of water to concerned department.
7. As we have no any AFBC boiler till now. We are stacking charcoal in a specific area & above that we are covering silo completely. Also plantation was done above that dump area. About 150 Nos. mango trees were planted above the dump yard. As we have no blast furnace till now slag generation is not applicable. DRI fines are used in induction furnace. Iron scales are being melted in the Ferro Alloys furnace & reused. Slags from submerged Arc furnace are used in road making.
8. As our production of the chromate slag is nil for this period, there was not such generation of slag, we will definitely do TCLP test whenever plant will start.
9. Proper handling, storage, utilization and disposal of all the solid waste are well ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid / hazardous waste is being submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OPCB with a periodic interval.
10. A time bound action plan has already been submitted to reduce solid waste, its proper utilization and disposal.

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11. No fly ash generation is there as, we had not started our power plant & AFBC boiler.
12. We are in the process of developing green belt in an around the plants details: Plantation total 7129 Nos of ornamental & other trees for the year of 2013-14.
13. Required Forest Diversion Proposal (FDP) regarding the forest land inside the plant area and the periphery area has already been submitted to the concerned authority for necessary permission from the State Forest Department and under active process. A copy of the application is enclosed herewith as Annexure-I for your ready reference.
14. Preparation of an action plan for the rehabilitation and resettlement (R&R) has been completed & submitted before necessary Authority approval.
15. We are putting all efforts towards implementation of all the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for our Steel Plants project.

(B) GENERAL CONDITIONS:

1. We are strictly adhering to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.
2. We are strictly abiding by the instructions and ensure that no further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment and Forests.
3. The gaseous emissions from our various process units conforms to the load / mass based standards notified by the Ministry on 19th May, 1993 and standards prescribed from time to time. We are ensuring well that at no time, the emission level goes beyond the prescribed standards. Interlocking facilities are already provided so that the process can be automatically stopped in case emission level exceeds the limit.

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4. The third party SGS India Ltd. engaged for the year of 2013 for checking maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the OPCB. Data on ambient air quality and stack emission is regularly submitted to this Ministry including its Regional Office at Bhubaneswar and OPCB, CPCB once in six months.
5. In-Plant control measures for checking fugitive emissions from all the vulnerable sources are already provided. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting are well ensured. Concreting of the roads are under progress to control fugitive emissions.
6. Industrial waste water is properly collected and treated to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewaters are utilized for plantation and sprinkling purpose.
7. The overall noise levels in and around the plant area are ensured and 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 are ensured to conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (Night time). Also noise level was checked by SGS India at various 10 points and report attached for your reference.
8. Occupational health surveillance of the workers are being done on a regular basic and a complete record against the same is maintained as per the Factories Act.
9. We have already developed rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
10. We have already complied with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, we have undertaken remarkable socio-economic development activities in the surrounding villages. Also we are in constant process of further peripheral development activities regularly.
11. We do well ensure that as directed, the investment earmarked towards the capital cost and recurring cost for the environmental pollution control measures, are not diverted for any other purpose.

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12. A six monthly compliance report and the monitored data along with statistical interpretation shall be being submitted to the Regional Office of the Ministry of Environment & Forest at Bhubaneswar, CPCB and OPCB regularly.
13. We have informed the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the OPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. Also the same has already been advertised within seven days from the date of issue of the clearance letter, in two local newspapers that are widely circulated in the region of which one is in Oriya (vernacular language of the locality concerned) and a copy of the same has been forwarded to the Regional Office at Bhubaneswar.
14. We have informed 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. As on date, we are into production since Jan 2007.

Further, as instructed we have sent this same letter to your specified email ID also. This is for kind information and further necessary action please.

Thanking You,

Yours truly,

Uttam Ku Singh

Vice president

FOR BRG IRON & STEEL CO. (P) LTD

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