



Steel Authority of India Limited
Rourkela Steel Plant's Expansion Project

(Environment Clearance vide ref.no. F No. J J-11011/40/88 – IA.I, dated 24/04/1992.
Half Yearly Report (Oct. - March, 2019)

Contact Persons : Sri S N Xess, DGM (Env.Engg.) Phone : 0661-2447258
Sri V V R Murty, DGM(Env.Engg.) Phone : 0661-2448254

Table with 3 columns: SN., CONDITION, STATUS/ ACTION PLAN. It contains 6 rows detailing environmental conditions and compliance status for the Rourkela Steel Plant expansion project.

SN.	CONDITION	STATUS/ ACTION PLAN
7.	The usage of blast furnace slag should reach the level of 100% by the time envisaged modernization process is completed. The utilization plan for the same should be submitted to this Ministry within 6 months.	The present BFc slag utilization is 100%. The slag is given for Cement manufacturing.
8.	With regard to metallic sludge, a detailed plan for it's disposal should be prepared and submitted to this Ministry for approval within six months.	All the metallic sludge/scrap is recycled back and utilized in steel making.
9.	The existing effluent treatment facilities should be upgraded/augmented so that treated effluent conforms to the standards, as stipulated by the State Pollution Control Board, or prescribed by the Central Government under the Environment (Protection) Act, 1986 by December, 1993. Any new facilities likely to be created under the modernization process would also have to comply with the effluent/emission norms. Similarly, the emissions from the stacks should conform to the stipulated standards latest by December, 1993 failing which legal action will be taken under the provisions of the Environment (Protection) Act, 1986 and the defaulting units would have to be closed down.	All pollution control treatment units were installed, commissioned and presently being operated after getting consent renewal from SPCB every year based on conformance to norms. The present CTO is valid up to 31/03/2020.
10	Effluent treatment plant for Coke Oven By-product (CO-BP) must be provided and oil scrapping facilities for mill wastes, tar, ammonia removal from CO-BP must be adequately upgraded to achieve the stipulated standards.	A dedicated Biological Oxydation and De Penolisation Plant (BOD Plant) has been established, commissioned and presently being operated for treatment of Phenol, Ammonia and Cyanide present in the effluent coming from Coke Oven By-product plant. Oil skimming facilities and Clafifloculators for removal of mill scales and sediments were established, commissioned and presently being operated. The effluent quality is regularly being monitored and is within the statutory norms.
11.	In-plant control measures for checking fugitive emissions, spillage of chemicals/raw materials etc. should be provided and properly maintained specially in the critical areas like blast furnace, fertilizer, by-product plant, coke oven plant, sintering plant etc.	RSP has established a dedicated Env. Engg. Department with Env. Laboratory with qualified personnel for regular inspection, monitoring, sampling and analysis of various pollutions from fugitive emissions, stack emissions and effluents from different units of RSP. The monitoring report is submitted to statutory authorities on monthly basis.
12.	A green belt of adequate width and density should be raised all around the plant. A plan for raising a green belt should be prepared and submitted to this Ministry within a period of three months for approval.	During 2018-19, 90,070 no. of saplings planted for expanding Green belt which has been developed around the plant by planting more than 48 lakh trees since inception.
13.	The Project authority must set up a laboratory facility for collection and analysis of samples under the supervision of competent technical personnel, who will directly report to the Chief Executive.	An Environmental Laboratory has been set up under Env. Engg. Deaprtment for collection and analysis of samples under supervision of experienced Environmental Engineers.
14.	The present Environmental Management Cell should be further strengthened, with suitably qualified people, to carry out various functions and should be set up under the control of Senior Executive who will report directly to the Head of the Organization.	At present Env Engg. Department is provided with a total of 6 no. of qualified and experienced Environmental Personnel. Out of 6, three are Engineers & 3 are Science Graduates.