

Date :6/10/2020

# STEEL AUTHORITY OF INDIA LIMITED

CHANDRAPUR FERRO ALLOY PLANT

## COMPLIANCE OF CONDITIONS OF ENVIRONMENTAL CLEARANCE

Environmental Clearance for Capacity Expansion from 0.1 MTPA to 0.1725 MTPA by installation of 1 X  
Ref. MoEF Letter No. F No. J-110011/7/2011-IA-II (I) Dt. 10th March 2014

S.No.	Condition of EC	Status as on Dt.1/10/2020
	<b>SPECIFIC CONDITIONS</b>	
i	The company shall prepare wildlife conservation plan for conservation of schedule I fauna in consultation with state wild life Department. The funds earmarked for implementation of wildlife conservation plan shall not be diverted for any other purpose. In addition, following conditions shall be followed.	Wild Life Conservation Plan has been prepared and have been sent on dt. 15.7.2015 to Divisional Forest officer , Chandrapur Forest Division Chandrapur.
a)	All activities are located within existing boundary wall that surrounds the existing plant wherein the company is authorized to start such activities.	All Project related activities are located within boundary wall that surround the existing plant.
b)	Area outside the boundary wall but within the land owned by MEL (Legally deforested but by appearance of a forest), is a good quality natural forest having potential for wildlife presence & dispersal shall be maintained.	Being complied.
c)	Forest Department having jurisdiction over 10 km radial zone from MEL may be involved by MEL management in monitoring wildlife and possible impacts of pollution in adjoining legally deforested area owned by MEL - outside compound wall (because this is close to western extent of corridor and proposed eco-sensitive zone.)	Forest Deptt. have been consulted and based on their advise, CFP has deposited Rs. 3.77 Lakhs with DFO for study on man animal conflict vide letter dt. 31.10.2014.
ii	In addition, following conditions shall be followed.	
a)	No vehicular movement for material transportation to - from the plant shall be done during 7.0 AM to 6.0 PM on working days only.	Complied on regular basis by Security Deptt.
b)	Use of horns /sirens shall be restricted and of low desibel.	Caution Boards have been displayed
c)	The movement to & from the plant should be by existing road only.	Being Complied on Regular basis.

iii.	A five member monitoring committee with Regional Chief Conservator of Forest (RCCF) as Chairman shall be constituted. The committee shall meet twice in a year to review programme of work prescribed in the conservation plan. The monitoring reports shall be forwarded to Chief Wildlife warden with a copy to Regional Office of this Ministry at Bhopal for ensuring compliance of observations/recommendations of the monitoring reports.	Visit of committee is awaited. However, based on their requirement communicated vide letter Dt 7.7.2014, CFP had furnished the requested details vide letter dt. 5th August 2014.
iv.	A study of possible impact of pollution which may adversely affect the habitat in the adjoining corridor area and preventive steps in this regard shall be carried out through a reputed institute and report shall be submitted to Regional Office of the Ministry at Bhopal within 6 Months from the date of issue of the letter.	Being complied. Information about authorised agency is being gathered.
v.	No charcoal shall be used as fuel. Pet coke shall be used instead of charcoal from unknown sources.	Being complied .
vi.	Continuous monitoring facilities for the process stack and sufficient air pollution control equipment viz. fume extraction system with bag filter, ID Fan and stack of adequate height to submerged arc furnace shall be provided to control emission below 50 mg /Nm <sup>3</sup>	Opacity analyser, Fume extraction system with bag filter, ID fan and stack of height 45 mtr is installed.
vii.	National Ambient Air Monitoring standards issued by Ministry vide GSR No. 826 (E) dated 16th November 2009 shall be followed.	Being Followed.
viii.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by Ministry and regularly monitored. Guidelines /code of practices issued by the CPCB shall be followed. The raw material storage shall be covered.	Bag Filter Have been Installed as envisaged in EMP in the project for controlling secondary fugitive emission . Similarly Day Bin having 12 closed bins have been constructed as envisaged for storing RM.
ix.	Regular monitoring of influent and effluent surface, subsurface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board of described under Environment (Protection) Act 1986, whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to Ministry's Regional Office at Bhubaneswar, SPCB & CPCB.	Monitoring is being done regularly through MoEF accredited agency and reports are sent to SPCB on Monthly basis.

x.	Total water requirement for proposed expansion shall not exceed 4080 m <sup>3</sup> /day. Zero effluent discharge shall be strictly followed and no waste water shall be discharged outside the plant premises. Approval of competent authority shall be obtained for using ground water.	Facilities have been envisaged and are installed in the project to ensure zero discharge.
xi.	Efforts shall be made to make use of rainwater harvested. If needed capacity of reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rainwater Harvesting facilities have been constructed in Project buildings. Also one separate rain water reservoir of 10000 cum capacity has been constructed.
xii.	Slag produced from Ferro Manganese (FeMn) production shall be used in manufacture of Silico Magnese. The FeSi and SiMn slag shall be used in preparation of building materials.	Being complied.
xiii.	No Ferro Chrome shall be manufactured without prior approval from Ministry of Environment & Forests.	Being complied.
xiv.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's office at Bhopal and CPCB within 3 months of issue of environment clearance letter.	Disaster Management Plan have been submitted to Additional Principal Chief Conservator of Forests ( Central) vide letter Dt. 16.7.14
xv.	All the commitments made to the public during public hearing / Public Consultation meeting held on 21st April 2012 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information shall be submitted to Ministry's Regional Office at Bhopal	Separate budget have been allocated for CSR activities to meet the commitments made during public hearing.
xvi.	As proposed , green belt shall be developed in atleast 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with DFO.	33 % of the CFP land is maintained as green belt. Tree Sapling are purchased from forest deptt. for tree plantation drive undertaken by CFP
xvii.	At least 5 % of the total cost of the project shall be earmarked towards Enterprise Social Commitment based on Public Hearing issues and itemwise details along with time bound action plan shall be prepared and submitted to Ministry's Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	Separate budget of Rs. 5.0 Lakhs have been allocated for CSR activities in FY 2020-21

xviii.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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 the project.	Housing facilities provided to construction workers.
<b>GENERAL CONDITIONS :</b>		
i.	The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board and the State Government.	Being Complied on Regular basis.
ii.	No further expansion or modification in the plant shall be carried out without prior approval of Ministry of Environment & Forests.	Will be complied.
iii.	At least four ambient air quality monitoring stations shall be established in downward direction as well as where maximum ground level concentration of PM -10, PM 2.5, SO2 and Nox are anticipated in consultation with SPCB. Data on ambient air quality and stack emission shall be regularly submitted to Ministry including its Regional office at Bhopal and the SPCB/CPCB once in a six months.	Reports are sent to SPCB.- R. O. Chandrapur.
iv.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR (422) dated 19th May 1993 and 31st December 1993 or as amended from time to time. The treated waste water shall be utilised for plantation purpose.	Being complied. Industrial wastewater is recycled for reuse after treatment. Zero liquid discharge is achieved.
v.	The overall noise level in and around the plant area shall be kept within standards (85 dbA) by providing noise control measures including acoustic hoods silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dbA (daytime) and 70 dbA (nighttime)	Being maintained.
vi.	Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the Factories Act.	Being Done on regular basis as per Factories act.
vii.	The company shall develop rainwater harvesting structures to harvest the rainwater for utilisation in lean season besides recharging the ground water table.	Rainwater Havresting by Recharge Pit methods have been implemented in Project Buildings.

viii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Wet scrubber Type GCP, Fume Extraction System, Dry Fog DSS, have been installed for Air Pollution Control. Similarly Thickener, Effluent Ponds, RO units have been Installed for Effluent Treatment as envisaged in EIA /EMP Report.
ix.	Requisit funds shall be earmarked towards capital cost and recurring cost / annum for environmental pollution control measures to implement the conditions stipulated by MoEF as well as State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to Regional office of the Ministry at Bhopal. The funds so provided shall not be diverted for any other purpose.	Funds are earmarked towards capital cost/ recurring cost per annum for Environmental Pollution Control measures
x	A copy of clearance letter shall be sent by proponent to concerned Panchayat, Zila Parishad , Municipal Corporation, urban Local Body and the local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Copy of EC letter was sent Chandrapur Municipal Corporation vide letter Dt 24th March 2014. Letter have been uploaded on web site of SAIL vide approval dt. 2.4.2014
xi.	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall upload the same periodically. It shall be simultaneously be sent to the Regional office of the MoEF at Bhopal. The representative Zonal office of CPCB and SPCB. The critical pollutant levels namely PM-10, PM 2.5, SO2 & NOX (ambient as well as stack emissions ) or critical sectoral parameters, indicated ofr the project shall be displayed at convenient location near main gate of the company in the public domain.	Reports shall be uploaded. The critical pollutant levels namely PM-10, PM 2.5, SO2 & NOX (ambient as well as stack emissions ) has been displayed near main gate of the company in the public domain.

xii.	The project proponent shall also submit six monthly report on status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective zonal office of CPCB and the SPCBG. The Regional Office of this Ministry at Bhopal /CBCB/SPCB shall monitor the stipulated conditions.	Compliance was sent vide letter dt. 21.3.2014 , 16.7.14 ,20/2/2019,4/12/19 and information regarding Wildlife conservation plan have been sent on 15.7.15. Monthly Environment monitoring reports are sent to MPCB on monthly basis.
xiii.	The environmental statement for each financial ending 31st March in Form V is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also put on the website of the company along with status of compliance of environmental conditions and shall also send to the Regional Office of the MoEF at Bhopal by e-mail.	Last Environment Statement was sent to RO MPCB vide letter Dt. 22/6/20
xiv.	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 SPCB and may also be seen at the website of the MoEF at <a href="http://envfor.nic.in">http://envfor.nic.in</a> This shall be advertised within seven days from the date of from the date issue of clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same shall be forwarded top Regional office at Bhopal.	Adverstisment was published in 3 Local newspapers on 20th March 2014 and copy of the same was sent to authorities vide letter Dt. 21.3.2014
xv	Project authorities shall inform the Regional Office as well as the Ministry, the date of Final closure and final approval of the project by the concerned authorities and date of commencing the land development work.	Facilities for 45 MVA SAF have been installed and commissioned .The work of 4.0 MW PP is kept on hold due to requirement of Govt of Maharashtra to avail incentives in tarrief of electricity being supplied by MSEDCL, Govt. of Maharashtra. . MoEF shall be communicated upon issuance of Final Acceptance Certificates of the facilities.







