

COMPANY NAME : MUKAND SUMI SPECIAL STEEL LIMITED
EC Letter No: F.No.J -11011/105/2016-IA.II(I) dated 14th Aug 18

Compliance report Period : April-24 to September -24

Compliance of Stipulated Conditions of Environment Clearance

A Specific Condition :		
Sr No	Condition of Environment Clearance	Status of Compliance
1	The project proponent shall adhere to Zero Liquid Discharge	Zero liquid discharge being complied details attached as Annexure-1
2	The project proponent shall adhere to the Project limits of OISD in the safety and disaster management for storage of fuel oil and LPG	Project limits of OISD in the safety and disaster management for storage of fuel oil and LPG is being complied. Revised On site emergency plan approved copy from Factories and boilers attached as Annexure - 2
3	The outer shells of the storage tank shall be designed as per the norms prescribed by OISD	As per OISD storage tank designed and PESO approval copy received . (Annexure - 3)
4	The Project proponent shall use furnace oil for reheating furnace and no coal as a direct and as a gasified shall be permitted in reheating furnace	Is being complied. Furnace oil only being used for reheating furnace
5	The specific water consumption shall not be 0.7 M3 per ton of rolled product	Is being complied. specific water consumption is 0.5 M3 per ton rolled product
6	The entire mill scale generated shall be utilized	Is being complied. Mill scale generated is being reusing in blast furnace of HSL
B General Conditions :		
1	An amount of Rs 950 Lacks proposed towards CER shall be utilized as capital expenditure in Project Mode. The project shall be completed in concurrence with the implementation of the expansion and estimated on the basis of schedule rates.	CER activity is being done as per attached (Annexure -4).
2	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The Green belt shall interalia cover the entire area of the plant	Green belt development in progress . Till date 15000 trees planted. 25 acres land area green belt developed.(Photos Attached as Annexure-5)
3	The capital cost of the Environmental protection measures Rs 170 Lacks in construction Phase and Rs 585 Lacks in operation phase, The annual recurring cost towards the environmental protection measures Rs 34 Lacks shall be earmarked separately. The funds so provided shall not be diverted for any other purpose.	Adequate Budget for Environment protection measures . Being ensured (Details Attached as Annexure-6)
4	The Project proponent shall (Air Quality Monitoring)	
a	Install 24X7 continuous emission monitoring system at process stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277€ dated 31st Mar 2012 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under environment (Protection)Act 1986 or NABL accredited Lab	Regular stack emission monitoring & ambient air quality monitoring conducted by M/s SUMS TECHNO LABS PVT LTD (Recognised by MOEF & KSPCB). However, we have raised an indent for procurement of continuous stack emission monitoring system. Which will be installed & taken into use for coming financial year. Indent details attached as Annexure-7
b	Monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited Laboratories	Is being complied reports attached as Annexure-8
c	Install system carryout continuous Ambient air quality monitoring for common/criterion parameters relevant to the main pollutants released (eg.PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions;	Ambient air quality monitoring is being conducted by M/s SUMS TECHNO LABS PVT LTD (Recognised by MOEF & KSPCB). However, we have raised an indent for procurement of continuous Ambient air quality monitoring monitoring system. Which will be installed & taken into use for coming financial year. Indent details attached as Annexure-7
d	Submit monthly summary report of continuous stack emission and air quality monitoring and results of manual monitoring of Ground water quality to Regional office of MoEF & CC , Zonal office of CPCB and regional office of SPCB along with six-monthly monitoring report	Being complied reports attached as Annexure-9
5	The Project proponent shall (Water Quality Monitoring)	
a	Install effluent monitoring system with respect of standards prescribed in Environment (protection)Rules 1986 vide G.S.R 277€ dated 31st Mar 2012 as amended from time to time.	Effluent monitoring system is being complied as per standards

b	Monitoring regularly ground water quality at least twice a year (pre and post monsoon) at sufficient no of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment(Protection) act 1986 and NABL accredited labouratories;and	Ground water quality report attached as (Annexure-9)
c	Submit monthly summary report of continous effluents monitoring and result of manual effluent testing and manual monitoring of ground water quality to regional office of MoEF&CC, Zonal office of CPCB and regional office of SPCB along with six monthly monitoring report.	We have Engaged M/s Sums Techno Labs Pvt Ltd for environmental monitoring and reports submitted as (Annexure-9)
6	The Project proponent shall (Air Pollution Control)	
a	Provide appropriate air Pollution control (APC) system for all the dust generation points including fugative dust from all vulnerable sources.	Being complied .(Annexure-10)
b	Provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	Being complied . Regular preventive maintenance and inspection being carried out for bag handling lines to identify physical damage such as punctures, tears, or wear and tear.
c	Provide sufficient number of mobile or stationary vacuum cleaners to clean plant roads, shop floors, roofs regularly.	Total 11 sweeping machines hired and regular cleaning ensured. (Annexures-11)
d	Use leak proof trucks/ dumpers carrying coal and other raw materials and cover them with tarpaulin.	Billets are the only raw material used & its transportation doesn't generate fugitive emission (Annexure - 12)
e	Provide primary and secondary fume extraction system at all melting furnaces;and	NA. we don't have any melting furnaces
f	Design the ventilation system for adequate air charges as per ACGIH document for all tunnels, motor Houses,oil celleres.	Well ventillation provided.
7	The Project proponent shall (Water Pollution Control)	
a	Adhere to Zero liquid discharge	Zero liquid discharge being complied details attached as Annexure-1
b	Provide sewage treatment plant for domestic wastewater and;	STP installed . (Annexure -13)
c	Provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277(E) 31st Mar 2012 (applicable to IF/EAF) as ammended from time to time.	NA.
8	The Project proponent shall (Water Conservation)	
a	Practice rainwater harvesting to maximum possible extent;	Rain water harvesting in progress and same is being complied. (Annexure-14)
b	Make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use by recycling treated water.	Being complied.
9	The Project proponent shall (Energy Conservation)	
a	Provide waste heat recovery system (Pre-heating of combuston air) at the flue gases of reheating furnace.	Being complied. (Annexure - 15)
b	Practice hot charging of slabs and billets /blooms as far as possible	Being complied.
c	Ensure installation of regenerative type burners on all reheating furnaces	Being complied.
d	Provide solar power generation on roof tops building, for solar light system for allcommon areas , streets lights, parking around project area and maintain the same regularly;and	Solar light system installed . (Annexure 16)
e	Provide the project proponent for LED lights in their officies and recidential areas.	LED Shed Light already in use. (Photos Annexure-16)
10	Use of Refractories shall be recycled as far as possible	New furnace . Refractories generating less quantity (Annexure-17)
11	Oily Scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquitted and reused melting Furnaces.	Metallic sludge recovered and re-using
12	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Being complied.(Annexure 18)
13	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disastor Management Plan shall be implemented.	Emergency Preparedness plan has been prepared & implemented attached Mock drill reports as Annexure-19
14	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide PPE as per the norms of the factory.	Being Complied. Regular medical check-up done. All workmen are provided with required PPE as per the norms of the factory.

15	The project proponent shall adhere to the corporate environment policy and system of the reporting of any infringements/non compliance of EC conditions at least once in a year to the Board of directors and the copy of the board resolution shall be submitted to MoEF&CC as a part of six month report.	Being complied.(Annexure 20)
16	All the recommendations made in the charter on Corporate responsibility for Environment Protection (CREP) for the induction /Electric Arc furnace and rolling mill shall be implemented.	Being complied.
17	A dedicated Environmental cell with qualified personnel shall be established. The head of the environment cell shall report directly to head of organization.	Being complied.
18	Provision shall be made for the housing of 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, creche. The housing may be in form of temporary structures to be removed after the completion of the project.	At present there is no project work in progress
19	The project authorities must strictly adhere to the stipulation made by the state pollution control board and the state government	Will be strictly adhered to the stipulation.
20	No further expansion or modifications in the plant shall be carried out without prior approval of the MOEF&CC	Being complied.
21	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & other waste (Management & Transboundary Movement) Rules, 2016	Authorization received from KSPCB. Hazardous waste hand over to authorized vendor (Annexure-21)
22	The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75dB (A) during day time and 70 dB (A) during night time.	Noise levels monitored. Day- 65dB Night - 50 Details attached as Annexure-22
23	Occupational Health surveillance of the workers shall be done on regular basis and records maintained as per the factories act.	Occupational Health surveillance of the workers done on regular basis and records maintained. Details attached as Annexure-23
24	The project proponent shall also comply with all the environment protection measures and safeguards recommended in the EIA/EMP reports.	Being complied.
25	The Project proponent shall (Post EC monitoring)	
a	Send a Copy of Environmental Clearance letter to the heads of Local Bodies, Panchayats, Municipal bodies and relevant offices of the Govt.	Already complied.
b	Put on the clearance letter on the web site of the company for access to the public.	Already complied.
c	Inform to the public through advertisement within seven days from the date of the issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environment clearance by the ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the MoEF&CC	Already complied.(Annexure-24)
d	Upload the status of compliance of the stipulated environment clearance conditions results of monitored data on their website and update the same periodically.	Being complied.(Annexure-25)
e	Monitor the criteria pollutants level namely : PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Monitored frequently and displayed.
f	Submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in the hard copies as well as by email) to the regional office of MoEF&CC, the respective Zonal office of CPCB and the SPCB.	Being complied.(Annexure-25)
g	Submit the environmental statement for each financial year in Form-V to the concerned State pollution control board as prescribed under the Environment (Protection) rules 1986, as amended subsequently and put on the website of the company/	Being complied. (Annexure -26)
h	Inform the regional office as well as Ministry, the date of the financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work	Being complied.(Annexure -27)