



Vardhman®

# VARDHMAN SPECIAL STEELS LTD.

Works : C-58, Focal Point, LUDHIANA -141 010

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DNV

Certified  
ISO/TS 16949:2009  
ISO 14001:2004  
OHSAS 18001:2007

67/06/16  
VSSLMoEF:2016-17  
Ministry of Environment, Forests & Climate Change  
Bays No. 24-25, Sector-31A  
Chandigarh

4<sup>th</sup> June, 2016

The Director (S)  
Ministry of Environment, Forests & Climate Change  
Northern Regional Office  
Government of India  
Bays No. 24-25, Sector-31A  
Chandigarh 160 030

**Sub: Submission of Six Monthly Report for the Industry namely "Vardhman Special Steels Ltd" at C-58, Industrial Focal Point, Phase III, Ludhiana for the period ending 31.03.2016.**

Sir,

We are hereby submitting six monthly report for the period ending March 31, 2016 along with status on compliance of the environmental conditions stipulated in EC letter dated 30/6/2015 issued by the Ministry of Environment, Forest & Climate Change, New Delhi . All relevant details/documents are attached as annexure for your kind consideration.

The test reports on ambient air, water and noise levels are also submitted herewith. The soft copy of complete report in CD is also enclosed.

Thanking you.

Yours faithfully  
For M/s Vardhman Special Steels Ltd.

Naresh Bansal  
Chief Executive

CC: The Environmental Engineer - I  
Punjab Pollution Control Board  
Regional Office, Focal Point  
Ludhiana

**Compliance Report on Conditions imposed in Environmental Clearance for Period Ending 31.03.2016**

**A - Specific conditions**

| <b>S. No.</b> | <b>EC Conditions</b>  | <b>Reply</b>   |
|---------------|---|--|
| <b>I</b>      | The Project Proponent should install 24x7 air and water monitoring devices to monitor air emission and effluent discharge, as provided by CPCB/MoEFCC and submit report to Ministry and its Regional Office.  | Agreed. Online monitoring devices have been installed to monitor air emissions(SPM) from primary and secondary stacks of EAF. Devices installed are connected to PPCB and CPCB server. The emissions of particulate matter in the Flue gases is below 50mg/Nm <sup>3</sup> . ETP has been closed and No Trade effluent is being generated at site. |
| <b>II</b>     | Increased production should be taken up only after the installation and commissioning of the pollution control equipments as approved by Punjab Pollution Control Board.  | Agreed. Fume Extraction system is provided for capturing secondary emissions generated during the process at EAF.  |
| <b>III</b>    | Measures shall be taken to reduce PM levels in the ambient air stack of adequate height & diameter with continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz Electrostatic precipitator, bag house, bag filters etc. shall be provided to keep the emission levels below 50mg/Nm <sup>3</sup> and installing energy efficient technologies in the plant.                                      | Agreed. Bag Filters are installed to reduce emissions of Particulate matter from stacks. Emissions of particulate matter in the flue gases is below the prescribed limit.  |
| <b>IV</b>     | Online ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the ministry vide G.S.R(E) dated 30th May, 2008 and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. | Online ambient air quality monitoring is not possible as the industry is situated in Industrial Focal Point which itself is an air polluted belt due to various other industries discharging their fumes in air, so it would serve no purpose.   |
| <b>V</b>      | Dust Suppression system and bag filters shall be installed to control the fugitive dust emissions at conveyer and transfer points, product handling, loading and unloading points.  | Agreed. Bag Filters are installed at EAF stacks to reduce emissions. Dust suppression system has been installed at scrap yard area.  |
| <b>VI</b>     | Water consumption shall not exceed as per the CREP standard prescribed for the steel  | Agreed. Water consumption will not exceed 5m <sup>3</sup> /ton.  |

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|             | plants. Additional water, if any, required for the plant project operations shall be met from rainwater stored in rainwater harvesting structures.   |  |
| <b>VII</b>  | Rainwater harvesting system shall be prepared so that the rainwater can be collected, re-used and may be used for ground water recharge. The concrete drains shall be de-silted and regular supervision of the areas shall be carried out so that the blocking of drains may be avoided for quick discharge of rainwater. Efforts shall further be made to use maximum water from the rain water harvesting sources. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. | Agreed. 5 Rainwater Recharging pits are provided to collect rainwater which are properly maintained and adhered to required standards.   |
| <b>VIII</b> | Greenbelt of approximately 15-20 meter width consisting of a 3 tier of trees consisting of species with thick canopy shall be developed all along the periphery of the plants, roads, vacant spaces, transfer points etc as part of 33% of the total plant area.   | Agreed. Greenbelt is maintained along the roads, vacant spaces and transfer points.  |
| <b>IX</b>   | All the effluents shall be treated and reused for dust suppression/green belt development. No Effluent shall be discharged and 'zero' discharge shall be adopted.  | Agreed. The Industry is not discharging any trade effluents. "Zero" Discharge is being maintained after successful commissioning of shot blasting machine in July 2015 as no pickling is done.                     |
| <b>X</b>    | Full utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2010. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office at Chandigarh.  | Not Applicable.  |
| <b>XI</b>   | Hazardous materials required during construction phase and in plant operations shall be stored properly as per the regulations and reused/recycled as per the E(P)A rules.   | Agreed. No hazardous material is used for either construction or up-gradation of the technology.<br><br>Hazardous waste generated is stored as per CPCB regulations and is being dispatched to Ramky for disposal. |

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|             |  | Authorization has also been obtained from PPCB under Management of Hazardous Waste Management & Handling & Transboundary Movement rules for disposal of hazardous waste.  |
| <b>XII</b>  | Vehicles and Construction machinery are properly maintained to minimize the exhaust emission as well as noise generation to meet the prescribed standards.   | Agreed. All the vehicles and construction machinery are regularly monitored to minimize the exhaust emissions. Pollution under Control (PUC) certificates are checked.  |
| <b>XIII</b> | Risk and Disaster Management Plan along with the mitigation measures shall be prepared and implemented.  | Already in place and is implemented.  |
| <b>XIV</b>  | All the recommendations made in the Charter on Corporate social responsibility for Environment Protection (CREP) for the steel plants shall be implemented.  | All applicable recommendations regarding Hazardous waste & water conservation are being implemented.  |
| <b>XV</b>   | All the commitments made to the public during public hearing/ public consultation shall be satisfactorily implemented and adequate budget provision shall be made accordingly.   | Public hearing is exempted for the Project.   |
| <b>XVI</b>  | All the permanent workers shall be covered under ESI scheme. The Company shall have the provision for treatment of its workers at the local Nursing Homes & Hospitals in case of Emergency. Annual Medical Checkup on some medical parameters like Blood test, Chest X-Ray, Eye test, Audiometry, Spirometry etc. shall be conducted amongst the employees of the company.   | All the workers are covered under ESI scheme, with the provision of Medical checkup at regular intervals.<br>In House dispensary is available at the plant with Ambulance Facility with the provision of qualified Doctors.<br><br>As a part of Corporate Social Responsibility , Eye check up camps were organized in the month of May 2016. |
| <b>XVII</b> | At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs. The proponent shall be prepare a detailed CSR plan for every next 5 years for the existing-cum-expansion project, which includes Village wise, sector-wise (Health, Education, Sanitation, Health, Skill development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with local communities and administration. The CSR plan will include the amount of 2% retain annual profits as provided for in Clause 135 | Agreed. As a part of the initiative, A land opposite to Vardhman Special Steels has been taken on Lease from MC Ludhiana for development of Park.   |

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|  | of the companies act,2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate Budget head shall be created and the annual capital and revenue expenditure on various activities of the plan shall be submitted as part of the compliance report to RO, at Chandigarh. The details of the CSR plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the Company. |  |
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**B. General conditions**

| Sr. No. | Conditions   | Reply   |
|---------|--|---|
| i       | The project authorities must strictly adhere to the stipulations made by the Punjab Pollution Control Board and the State Government.  | Agreed.   |
| ii      | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of the Environment, Forests and Climate Change (MoEFCC).  | Agreed. In case of expansion or modification, if any, a prior approval from Ministry of the Environment, Forests and Climate Change (MoEFCC) will be taken. |
| iii     | At Least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Nagpur and the SPCB/CPCB once in six months. | Six monthly monitoring has been done.   |
| iv      | Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993. or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.  | No Industrial wastewater is being generated.<br>Water is used in cooling process and recirculated.  |
| v       | The overall noise level in and around the plant area shall be kept well within the standards(85dBA) by providing noise control measures including acoustic hoods,  | Agreed. The Noise Levels are maintained by providing canopy and are within the prescribed limits.   |

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|      | silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA rules, 1989 viz 75dBA (daytime) and 70dBA (nighttime).  |  |
| vi   | Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the Factories act.  | Agreed. Health and safety of the workers is being maintained at priority. All the Permanent workers are covered under ESI scheme. Regular medical tests like Spirometry, Color vision testing ,Pulmonary function test & other blood tests are being done. |
| Vii  | The Company shall develop rain water harvesting structures to harvest the rain water for the utilization in the lean season besides recharging the ground water table.   | Agreed. There are 5 Rainwater harvesting pits provided to collect rainwater at the site which are properly maintained and adhered to required standards.   |
| Viii | The Project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, The company must undertake socio-economic development activities in the surrounding villages like community development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.   | Agreed.  |
| Ix   | Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forests and Climate Change (MoEFCC) as well as the state government. An Implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional office of the Ministry at Chandigarh. The Funds so provided shall not be diverted for any other purpose. | Agreed.  |
| X    | A copy of clearance letter shall be sent by the proponent to the 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 of the  | A Copy of Environment Clearance Letter has already been uploaded at Company's Website .  |

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|      | proposal. The Clearance letter shall also be put on the web site of the company by the proponent.  |   |
| Xi   | The Project proponent shall upload the status of the compliance of the stipulated environment clearance conditions including results of the monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEFCC at Chandigarh. The respective Zonal Office of the CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near main gate of the company in the public domain. | Agreed. Six Monthly Compliance Report has been uploaded on Company's Website.   |
| Xii  | The project proponent shall also submit six monthly reports on the 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 MoEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh/CPCB/SPCB shall monitor the stipulated conditions.  | Six Monthly Compliance Reports are being regularly submitted to Regional office of MoEFCC and respective Regional office of SPCB. |
| Xiii | The Environmental statement for each financial year ending 31st March in Form V as is mandated to 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 be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEFCC at Chandigarh by e-mail.   | Form V for financial year 2015-2016 will be submitted on time in Sept-2016.   |
| Xiv  | The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance are available with the SPCB and may also be seen at Website of  | Agreed. Copies of advertisement has already been submitted with last six monthly report.  |

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|    | the ministry of Environment, Forests and Climate Change (MoEFCC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of 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 of the locality concerned and a copy of the same should be forwarded to the Regional office at Chandigarh. |   |
| Xv | Project authorities shall inform the regional office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and date of commencing the land development work.   | No additional land is required , upgradation of steel melting shop is being done at existing site only. |