

**Compliance status Report on Conditions imposed in Environmental Clearance for  
Period ending 30.09.2018**

**A - Specific Conditions**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Reply</b>
I	The Project Proponent should install 24×7 air and water monitoring devices to monitor air emission and effluent discharge, as provided by CPCB/MoEF&CC and submit report to Ministry and its Regional Office.	Online monitoring device has been installed to monitor air emissions (SPM) from stack of EAF & data is transmitted to CPCB/PPCB servers. No Trade effluent is being generated at site.
II	Increased production should be taken up only after the installation and commissioning of the pollution control equipments as approved by Punjab Pollution Control Board.	Fume Extraction system for capturing primary & secondary emissions generated during the process at Electric Arc Furnace (EAF) is provided. Also, Varied Consents to Operate under Air & Water Acts has been obtained from PPCB.
III	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 50 mg/Nm <sup>3</sup> and installing energy efficient technologies in the plant.	Agreed. Bag Filters have been installed to reduce emissions of Particulate matter from stacks. Stack sampling has been done to check emissions of particulate matter in the flue gases. . Also, stack emission testing report has been done by Punjab Pollution Control Board; in June,2018. Test reports submitted.
IV	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 30 <sup>th</sup> May, 2008 and regularly monitored. Guidelines/ Code of Practice issued by the CPCB shall be followed.	Online ambient air quality monitoring is not useful 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. However, ambient air monitoring has been done at the project site. <b>Test reports submitted.</b>
V	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.	Bag Filters have already been provided on the stacks to reduce the emissions. Further, a stack has been provided with additional Air Pollution Control Device (APCD) with bag filter of capacity 30,000 m <sup>3</sup> /hr in the conveyor of material handling system to control fugitive dust emissions.

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VI	Water consumption shall not exceed as per the CREP standard prescribed for the steel plants. Additional water, if any, required for the plant project operations shall be met from rainwater stored in rainwater harvesting structures.	Agreed and accepted. There is no additional water requirement for the project, however, to conserve water, 6 rain water recharging structures have been provided within the project premises.
VII	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.	Rainwater Recharging pits (6 Nos.) are provided within the project premises to collect/ recharge rain water. Regular maintenance and cleaning of pits are being done after every six months.
VIII	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.	Greenbelt is maintained along the roads, vacant spaces and transfer points. Also, tree plantation has been done along the boundary wall of the project to the maximum extent. Pot plantation has been done within the premises. Plantation has been done by Senior Environmental Engineer and Environmental Engineer of Punjab Pollution Control Board Ludhiana in July 2018.
IX	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.
X	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.
XI	Hazardous materials required during construction phase and in plant operations shall be stored properly as per the regulations and reused/recycled as per the EPA rules.	Agreed. No hazardous material is used for either construction or up-gradation of the technology. Hazardous waste generated is being stored as per CPCB regulations and is being

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		dispatched to authorized TSDF for disposal. Copy of Authorization No.HWM/renewal/LDH/2018/8130804 dated 1/10/2018 obtained from PPCB under Hazardous Wastes (Management, Handling and Transboundry Movement) Rules, 2016 and is valid till March, 2023.
XII	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 are regularly monitored to minimize the exhaust emissions.
XIII	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and implemented.	Already in place and is implemented.
XIV	All the recommendations made in the Charter on Corporate social responsibility for Environment Protection (CREP) for the steel plants shall be implemented.	<p>Details of the CSR activities undertaken during the financial year 2018-19 are as follows:</p> <ul style="list-style-type: none"> <li>• Plantation at Municipal Corporation Park, located opposite Vardhman Special Steels.</li> <li>• Maintenance of park at DC Office, Ludhiana.</li> <li>• Portable toilets provided for general public under Swachh Bharat for promoting sanitation.</li> <li>• Sponsorship for National workshop on National Building Rule awareness for promoting special education.</li> <li>• Clean water through water filtration system in Directorate of Factories for general public along with sitting infrastructure at fire station.</li> </ul> <p style="text-align: center;">Organized medical camps:</p> <ul style="list-style-type: none"> <li>• Dental Checkup Camp.</li> <li>• Health awareness talks by DMC Ludhiana.</li> <li>• Eye &amp; general health check-up camp.</li> <li>• H1N1 vaccination camp.</li> <li>• HIV &amp; Syphilis screening camp.</li> <li>• Hepatitis B &amp; C screening camp.</li> <li>• Vaccination of Hepatitis B</li> </ul>
XV	All the commitments made to the public	Public hearing was exempted for the

	during public hearing/ public consultation shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	project as the plant is located in approved Industrial Focal Point.
XVI	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. In House dispensary is available within the plant with the provision of qualified Doctors along with the Ambulance Facility. Testing has been done for Audiometry, Spirometry, Eye, blood and urine tests are being done at regular intervals. Agreement has already been done with Medicare Environmental Management Pvt. Ltd. for disposal of Biomedical Waste and is valid till September, 2023.
XVII	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 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.	Agreed and accepted. Details of the CSR activities undertaken during the financial year 2017-18 are as follows: <ul style="list-style-type: none"> <li>• Plantation at Municipal Corporation Park, located opposite Vardhman Special Steels.</li> <li>• Plantation at park at DC Office, Ludhiana.</li> <li>• Portable toilets provided for general public under Swachh Bharat for promoting sanitation.</li> <li>• Sponsorship for National workshop on National Building Rule awareness for promoting special education.</li> <li>• Clean water through water filtration system in Directorate of Factories for general public along with sitting infrastructure at fire station.</li> </ul> <p>Organized medical camps:</p> <ul style="list-style-type: none"> <li>• Dental Checkup Camp.</li> <li>• Health awareness talks by DMC Ludhiana.</li> <li>• Eye &amp; general health check-up camp.</li> <li>• H1N1 vaccination camp.</li> <li>• HIV &amp; Syphilis screening camp.</li> <li>• Hepatitis B &amp; C screening camp.</li> <li>• Vaccination of Hepatitis B</li> </ul>

**B. General Conditions**

S. 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. The stipulations made by the Punjab Pollution Control Board and State Government are complied with.
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 (MoEF&CC).	In case of expansion or modification, if any, a prior approval from Ministry of the Environment, Forests and Climate Change (MoEF&CC) 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.	Four ambient air quality monitoring stations have been installed at project site. Recent monitoring has been done within the project & Test Report submitted.
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 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	No Industrial wastewater is being generated. Zero discharge is being maintained after the successful commissioning of shot blasting machine.
V	The overall noise level in and around the plant area shall be 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 should conform to the standards prescribed under EPA rules, 1989 viz 75dBA (daytime) and 70dBA (night time).	Agreed. Noise Levels are maintained by providing canopy and acoustic chamber and are within the prescribed limits. Test reports for the ambient noise levels submitted.
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. Testing has been done for Audiometry,

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		<p>Spirometry, blood and urine tests are being done at regular intervals. Copy of the medical records submitted.</p> <p>Agreement has already been done with Medicare Environmental Management Pvt. Ltd. for disposal of Biomedical Waste and is valid till September, 2023. Also, the manifest of the bio-medical waste disposal submitted.</p>
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.	6 Rainwater recharging pits have been provided within the project site to recharge rainwater.
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 and accepted. The company in close association with District administration is carrying out various activities for improving the socio-economic condition of the people living in the surrounding areas.
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 (MoEF&CC) 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 and accepted.
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	Copy of Environment Clearance Letter has already been uploaded on 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 MoEF&CC at Chandigarh. The respective Zonal Office of the CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (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. Website is being updated regularly.
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 MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh/CPCB/SPCB shall monitor the stipulated conditions.	Agreed. Six Monthly Compliance Reports are being regularly submitted to Regional office of MoEF&CC and respective Regional Office of PPCB, Ludhiana. Acknowledgement copy of previously submitted six monthly compliance report for period ending 31.03.2018 submitted.
XIII	The Environmental statement for each financial year ending 31 <sup>st</sup> 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 MoEF&CC at Chandigarh by e-mail.	Acknowledged copy of letter for submission of Form V to PPCB submitted.
XIV	The project proponent shall inform the public that the project has been	Copy of advertisement has already been submitted with six monthly

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	accorded environmental clearance by the Ministry and copies of the clearance are available with the SPCB and may also be seen at Website of the ministry of Environment, Forests and Climate Change (MoEF&CC) 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.	report.
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.	Agreed. Expansion has been completed on 31 <sup>st</sup> March, 2018.