



परिवेश
PARIVESH
(CPC GREEN)

परावरण, वन और जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change

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View Half Yearly Compliance Report at Project Proponent

Proposal Details

Proposal No

IA/PB/IND/212720/2019

Category

Industrial Projects - 1

Name of Project

Vardhman Special Steels Limited

Plot / Survey/ Khasra No.**Village(s)****Sub-District(s)****State**

PUNJAB

District

LUDHIANA

MoEF File No

IA-A-11011/74/2013-IA-II(I)

Name of the Entity/**Corporate Office**

Ministry of Environment, Forest and Climate Change

Entity's PAN

*****4812B

Entity Name as per PAN

VARDHMAN SPECIAL STEELS LIMITED

Entity details mentioned above is correct ?

Agree

Covering Letter

Covering Letter

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Compliance Reporting Details

Reporting Year

2025

Reporting Period

01 Jun(01 Oct - 31 Mar)

Remark(if any)

Submission of Six Monthly Compliance Report (1st Oct, 24 to 31st March, 25) for industry namely Vardhman Special Steels Limited, C-58 Focal Point Phase III, Ludhiana for the period ending on March, 2025 for EC F.No. IA-J-11011/74/2023-IA-II(I), Dated. 23.06.2021

Details of Production and Project Area

Date of Commencement of Project/Activity

14-05-2010

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	27.74	27.74
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	27.74	27.74

Land Documents

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Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Rolling Mill/ Rolled Product (Finished)	Tons per Annum (TPA)	280000	280000	R12LDH144304	30-06-2026	227715
2	Steel Melting/ Steel Billet	Tons per Annum (TPA)	300000	300000	R12LDH144304	30-06-2026	247635

Conditions

Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance, Remarks / Reason and Supporting Documents	
1	MISCELLANEOUS	Overall emissions of PM, SOx and NO shall not exceed the values PM 357.5 kg/day SOx 846.7 kg/day and NOx 207.3 kg/day as committed by the proponent post expansion.	PPs Submission	Complied, The overall Emissions values are being adhered and the current emission level for PM is below 10 mg/Nm ³ . The test result of all stacks of plant are well within the permissible range. Our online data is continually uploaded on PPCB and CPCB server. Complied 22-05-2025 Attachment: Click to View
2	MISCELLANEOUS	Use of Furnace Oil as a fuel will be prohibited for the existing and expansion project post expansion. Project proponent shall use PNG for heating purposes in line with Regional Air Quality Management Strategy of Punjab Pollution Control Board.	PPs Submission	Complied, The Plant is using the Natural Gas as fuel through PNG supply from GAIL. The Gas is being used in RHF/CCM and SMS area as fuel as per CTO/EC condition. We have spent Rs. 17.68 Crore for PNG fuel consumption from 1st October 2024 to 31st March, 2025. The copy of Agreement with GAIL is attached as Annexure-3. Complied 22-05-2025 Attachment: Click to View
3	MISCELLANEOUS	Particulate Matter emissions from all the stacks shall be less than 30 mg/Nm ³	PPs Submission	Agreed and Complied, The industry is maintaining PM levels less than 30 mg/Nm ³ . The Report are attached as Annexure-4. Complied 22-05-2025 Attachment: Click to View

4	MISCELLANEOUS	Specific water consumption after expansion shall maintained at 0.95 m3/ T of steel as committed by the PP.	PPs Submission	<p>Complied, All Efforts will be done to conserve water. We have obtained ground water NOC from the PWRDA and The water consumption is well within limits as specified in condition of ground water NOC. NOC copy attached as Annexure-5.</p> <p>Complied 22-05-2025 Attachment: Click to View</p>
5	MISCELLANEOUS	300 KLD treated water from CETP of M/s. JBR technologies shall be used in expansion project.	PPs Submission	<p>Agreed and Accepted, Agreement with JBR Technologies has been signed for 300 KLD Water supply. The same shall be taken Post Expansion if needed for greenbelt outside the VSSL campus area for watering of green belts and plantation. The Copy of Agreement is attached as Annexure-6.</p> <p>Complied 22-05-2025 Attachment: Click to View</p>
6	MISCELLANEOUS	All roads shall be made Pucca and a vacuum cleaner shall be used to clean the roads.	PPs Submission	<p>Agreed and Complied, Vacuum Mechanical Sweeping Machines has been purchased for plant and surrounding areas and put to use. Make of the machine is IPC Tennant. In-house roads are pucca and cleaned through said machine on daily basis. Photographs Attached herewith.</p> <p>Complied 22-05-2025 Attachment: Click to View</p>
7	MISCELLANEOUS	Community Rain Water Harvesting (RWH) shall be taken up to recharge	PPs Submission	<p>Agreed, The same shall be done as per Compliance. We have written to PWRDA to advise on the method and technology</p>

		230000 KLA of water which is more than the annual consumption of the plant.		for executing the same and once the approved method is shared to us, we shall do the needful. Complied 22-05-2025 Attachment:NA
8	MISCELLANEOUS	Green belt inside the plant at present is only 3.01 Acres. Additional 6.19-acre land inside the plant shall be covered under green belt to make it 35 . Two-acre land adjacent to the plant in the Focal Point has been given by authorities, which shall be planted and maintained by project proponent. Total green belt after this shall be 40 of the total project area.	PPs Submission	Agreed and Being Complied, Plantation /greenbelt development has been carried out widely within the plant and approx. 6.19-acre land developed and 12 Acre forest additional Greenbelt as per Miyawaki Technique in Focal Point Ludhiana and other district of state Punjab as a part of Environment Responsibility with 52300 plants of various varieties and additional 2 acres Greenbelt is developed at Focal Point and 2 acres in Jodhan Mansuran village. Photographs attached as Annexure 7. Complied 22-05-2025 Attachment: Click to View
9	MISCELLANEOUS	100 Percentge slag generated in the facility shall be utilized.	PPs Submission	Agreed and Complied, Slag is being utilized for the Cement Plant and Paver Work. Agreement is already done with Cement Manufacturing Unit and local paver units. Complied 22-05-2025 Attachment:NA
10	MISCELLANEOUS	All stock yards shall be having impervious	PPs Submission	Agreed and Being Complied, Mobile Dust Suppression machine has

		flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.		been purchased from Cloud- Tech company for our steel plant to help suppress any sort of dust originating from any source and same is being used in VSSL and adjoining area of focal point roads Ludhiana and same is regularly used for plant purpose. Complied 22-05-2025 Attachment:NA
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General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	Statutory compliance	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount / construe to approvals/ consent/ permissions etc., required to be obtained or standards/ conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the Project.	PPs Submission	Agreed and accepted. Complied 22-05-2025 Attachment:NA
2	AIR QUALITY MONITORING AND PRESERVATION	The Project Proponent shall install 24x7 continuous monitoring systems at process stacks to monitor stack emissions as well as Continuous Ambient Air Quality Stations (CAAQS) for monitoring AAQ	PPs Submission	Agreed, Industry is already having CEMS at EAF and RHF and also maintaining CAAQMS. The said CEMS of EAF is connected to SPCB/CPCB servers and are calibrated

		parameters with respect to standards prescribed in Environment (Protection) Rules, 1986 as amended from time to time. The CEMS and CAAQS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specifications through Labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.		on schedule by MoEF/NABL/SPCB approved Labs. Continuous Ambient Air Quality Monitoring Station of Horiba make has also been installed at site and data is being sent to Government and also monitored regularly. CAAQMS Photographs Attached Complied 22-05-2025 Attachment: Click to View
3	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	PPs Submission	Agreed and Complied, Same is being done on quarterly basis. The fugitive emission reports are enclosed as Annexure-8. We are using the Anti Smog gun for Control Fugitive emission within and outside the plant. The photographs of ASG attached herewith Complied 22-05-2025 Attachment: Click to View
4	AIR QUALITY MONITORING AND PRESERVATION	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, to comply prescribed stack emission and fugitive emission standards.	PPs Submission	Agreed and Complied, Industry has already installed the APCD on dust generating points. We have installed Fume Extraction system for capturing Primary and Secondary Emissions generated during

				<p>the process at EAF and same system has been placed at LRF and MHS system also.</p> <p>Complied 22-05-2025</p> <p>Attachment: Click to View</p>
5	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	PPs Submission	<p>Agreed and Complied, Appropriate System has been installed for Vacuum Degassing unit of our plant. Bag cleaning facility is already provided for EAF,LRF,MHS and Shot Blasting in compliance to the norms.</p> <p>Complied 22-05-2025</p> <p>Attachment:NA</p>
6	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall ensure covered transportation and conveying of ore, coat and other raw material to prevent spillage and dust generation.	PPs Submission	<p>Agreed and Complied, All raw material is kept in stores within enclosed covered shed area due to which no spillage and dust generation is there.</p> <p>Complied 22-05-2025</p> <p>Attachment:NA</p>

7	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	PPs Submission	Complied, Primary and Secondary FES is well in place for EAF and LRF, For MHS we have a dedicated separate FES. Photographs attached Complied 22-05-2025 Attachment: Click to View
8	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles	PPs Submission	Agreed and Complied, The wind shelter wall is already made in the plant and scrap storage area. Photographs attached Complied 22-05-2025 Attachment: Click to View
9	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, oil cellars	PPs Submission	Agreed, The same is already existing and proper ventilation design is in place. Complied 22-05-2025 Attachment:NA
10	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	PPs Submission	Agreed and Complied, Two Piezometers have been installed at our plant premises. Ground Water Sampling is conducted twice a year in March and September as a part of Compliance to monitor water quality. Ground Water reports are submitted to MoEFCC/PPCB. Same are enclosed

				as Annexure-9. Complied 22-05-2025 Attachment: Click to View
11	WATER QUALITY MONITORING AND PRESERVATION	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run.	PPs Submission	Agreed, Arrangements are in place to meet any such run off. Complied 22-05-2025 Attachment:NA
12	WATER QUALITY MONITORING AND PRESERVATION	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	PPs Submission	Agreed and Being Complied, Thermax make STP is installed in Plant and fully operational. STP photographs attached Complied 22-05-2025 Attachment: Click to View
13	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.	PPs Submission	Agreed, we have ordered ETP to the Thermax and same will be installed by 31.12.2025. Complied 22-05-2025 Attachment:NA
14	Noise Monitoring & Prevention	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	PPs Submission	Agreed and Being Complied, Noise levels are maintained by providing Canopy and acoustic chamber and results are within prescribed limits. Test reports are submitted to RO MoEFCC in every Half yearly report.

				Reports are enclosed as Annexure-10. Complied 22-05-2025 Attachment: Click to View
15	ENERGY PRESERVATION MEASURES	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	PPs Submission	Agreed, LED lights are placed in all Plant premises. Complied 22-05-2025 Attachment:NA
16	WASTE MANAGEMENT	Used refectories shall be recycled as far as possible	PPs Submission	Complied, The used refectories are being sent to Chardikala recycler for re-utilization as per norms. Complied 22-05-2025 Attachment:NA
17	WASTE MANAGEMENT	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused in melting Furnaces	PPs Submission	Agreed, Same shall be implemented after ETP installation by 31.12.2025. Complied 22-05-2025 Attachment:NA
18	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use	PPs Submission	Complied, Kitchen waste is being sent to Govt/ MCL approved A to Z Waste Management for further processing for composite. Complied 22-05-2025 Attachment:NA
19	GREENBELT	The Project proponent shall prepare GHG emissions inventory	PPs Submission	Agreed and Being Complied, Study for GHG / Carbon

		for the plant shall submit the program for reduction of the same including carbon sequestration including plants		Emissions is being done through CII and Company is very serious about carrying proper GHG Study. After the calculation/data study GHG certificate issued by CII and same is attached as Annexure-11. Complied 22-05-2025 Attachment: Click to View
20	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	PPs Submission	Agreed and Complied, The Company has a proper Disaster Management Plan/ Emergency Plan for plant operations submitted with District Administration and The same is attached as Annexure-12. Complied 22-05-2025 Attachment: Click to View
21	Human Health Environment	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPs Submission	Complied, Heat Stress Analysis test is being done twice a year and PPE's are provided as per norms in respective work place. The reports enclosed as Annexure-13. Complied 22-05-2025 Attachment: Click to View
22	Human Health Environment	Occupational health surveillance of the workers shall be done	PPs Submission	Agreed and Already Being Complied, The same is being

		on a regular basis and records maintained.		fully complied and Medical checkup camp and other tests like spirometry, Audiometry, Routine checkup, RT-PCR, Eye Checkup, etc. are being done regularly through Chief Medical Officer. Some test reports copy as evidence attached herewith as Annexure-14. Complied 22-05-2025 Attachment: Click to View
23	Corporate Environmental Responsibility	The project proponent shall comply with the provisions contained in this Ministry OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	PPs Submission	Agreed and Being Complied and an amount of Rs. 1.59 crore spent on CSR during 1st Oct, 2024 to 31st March, 2025. The details along with Photographs attached as Annexure-15. Complied 22-05-2025 Attachment: Click to View
24	Corporate Environmental Responsibility	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation /violation of the environmental / forest / wildlife norms / conditions. The company shall	PPs Submission	Agreed and Complied. We have a well laid Environment Policy duly approved by the Board of directors. Same is enclosed as Annexure-16. Complied 22-05-2025 Attachment: Click to View

		have defined system of reporting infringements / deviation / violation of the environmental / forest / Wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF and CC as a part of six-monthly report.		
25	Corporate Environmental Responsibility	A separate Environment Cell both at the Project and the Company Head quarter level, with qualified personals shall be setup under the Control of Senior Executive, who will directly to the head of the Organization	PPs Submission	Agreed and complied, The company has a well developed Environment Cell/ team to cater to all requirements. The team comprises of Environment Engineer and Compliance team and EHS Head. Copy of same enclosed as Annexure-17. Complied 22-05-2025 Attachment: Click to View
26	MISCELLANEOUS	The Project proponent shall make public the Environmental Clearance granted for their project along with the Environmental Clearance conditions and safe guards at their cost by prominently advertising it at least in 2 local news paper of the district or State, of which one shall be in the vernacular language within 7 days and in addition	PPs Submission	Agreed and same is Complied Complied 22-05-2025 Attachment:NA

		this shall be displayed in the Project proponents website permanently		
27	MISCELLANEOUS	The copies of the Environmental Clearance shall be submitted by the Project proponent to the Heads of the local bodies, panchayat and municipal bodies in addition to the relevant offices of the government who in turn has to display the saying for 30 days from the date of receipt.	PPs Submission	Agreed and Complied, The EC has been submitted in all government offices as specified. Complied 22-05-2025 Attachment:NA
28	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	PPs Submission	Agreed and Complied, The status of the compliance is regularly uploaded on the website on half yearly basis. Last report has been submitted 30.11.2024. Online Submission of receipt enclosed as Annexure-18. Complied 22-05-2025 Attachment: Click to View

29	MISCELLANEOUS	The project proponent shall 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.	PPs Submission	Agreed and Complied, The PM10, SO2, NO2, Ambient results are checked on monthly and half yearly basis and result on same are put on website along with Compliance report. Test report attached as Annexure-19. Complied 22-05-2025 Attachment: Click to View
30	MISCELLANEOUS	The project proponent shall submit six- monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	PPs Submission	Complied, Six monthly compliance reports are being regularly submitted to R.O (MoEFCC), Chandigarh and PPCB. Last report has been submitted 30.11.2024. Online Submission of receipt enclosed as Annexure-18. Complied 22-05-2025 Attachment: Click to View
31	MISCELLANEOUS	The project proponent shall 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.	PPs Submission	Complied, The Form V for period of 2023-24 submitted to PPCB dated 30/05/2024 vide Letter No - VSSL/2024/PPCB/122652. Copy of same attached as Annexure - 20. Complied 22-05-2025 Attachment: Click to View

32	MISCELLANEOUS	The project proponent 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, commencing the land development work and start of production operation by the project.	PPs Submission	Agreed, Expansion shall be completed by December 2022. Complied 22-05-2025 Attachment:NA
33	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	PPs Submission	Agreed, The Company is committed for abiding by all the conditions / commitments made by it in EIA/EMP. Same are being done on regular basis. Complied 22-05-2025 Attachment:NA
34	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF and CC).	PPs Submission	Agreed, We agree and accept that, in case of any further expansion or modification a prior approval from MoEFCC will be taken. Complied 22-05-2025 Attachment:NA
35	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	PPs Submission	Agreed , We agree to the said condition Complied 22-05-2025 Attachment:NA

36	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	PPs Submission	Agreed and accepted. Complied 22-05-2025 Attachment:NA
37	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	PPs Submission	Agreed Complied 22-05-2025 Attachment:NA
38	MISCELLANEOUS	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/ monitoring reports.	PPs Submission	Agreed Complied 22-05-2025 Attachment:NA
39	MISCELLANEOUS	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	PPs Submission	Agreed Complied 22-05-2025 Attachment:NA

Document uploaded by the PP

Last Site Visit Report (if available)

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Last Site Visit Report Date (if available)

20-03-2025

Additional Attachment (if any)

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Additional Remarks (if any)

Respected Sir. We are hereby submitting Six monthly EC compliance report for the period 1st Oct, 24 to 31st March, 25, along with status of compliance of the stipulated environmental conditions.

All relevant details/documents are attached for your kind consideration. The test Reports on Ambient Air, Water, Soil, stacks and noise levels are also submitted along.

- ☒ I 'Ministry of Environment, Forest and Climate Change' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From RO/SRO

Cover Letter From RO/SRO

Back