

VARDHMAN SPECIAL STEELS LIMITED

C-58, FOCAL POINT LUDHIANA-141010, PUNJAB

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VSSL/MoEF/2023/ 12 1969

Date: - 14/11/2023

To

Ministry of Environment, Forest & Climate Change Regional Office (North), Government of India Bays No. 24-25, Sector 31-A Chandigarh.

Subject: - Submission of Six-Monthly Compliance Report for Industry namely "Vardhman Special Steels Limited" C-58, Focal point, Phase III, Ludhiana, Punjab for the period ending September' 2023 for EC - F.No. IA-J-11011/74/2013-IA-II(I) dated 23.06.2021

Dear Sir,

We are hereby submitting six monthly compliance report for period April'2023 to September' 2023 along with status on compliance of the stipulated environmental conditions. All relevant details / documents are attached as annexures for your kind consideration.

The test reports on Ambient Air quality, water, soil noise levels etc. are also submitted herewith. The soft copy of the complete report in CD is also along with the report.

Thanking you.

From Vardhman Special Steel Limited

Manuj Mehta

Factory Manager

7508002539

ce.vss@vardhman.com

Copy to:

Environmental Engineer

Punjab Pollution Control Board, Regional Office-I, Focal Point, Phase III, Ludhiana



Submission of Six Monthly Compliance Report for Vardhman Special Steels Ltd C -58, Focal Point, Phase III Ludhiana for period April'2023 to September'2023

Amit Dhawan <pna14.vss@vardhman.com>

Wed 11/15/2023 2:59 PM

To:Environment Wing IRO Chandigarh <eccompliance-nro@gov.in>
Cc:Jagdish Chand Sharma <jagdish@vardhman.com>;Manuj Mehta <manujmehta@vardhman.com>;Karan Soni <isd.vss@vardhman.com>;Anish Kumar Gupta <es13.vss@vardhman.com>

@ 2 attachments (217 KB)

WhatsApp Image 2023-11-15 at 14.52.37_7b1a1777.jpg; WhatsApp Image 2023-11-15 at 14.52.37_5d0dd067.jpg;

Dear Sir,

Please find the covering letters and link below for Six Monthly Compliance Report for Vardhman Special Steels Ltd C -58, Focal Point, Phase III Ludhiana for period April 2023 to September 2023 for below mentioned Environment Clearances

- EC F.No. J-11011/74/2013-IA-II(I) dated 30.06.2015
- EC F.No. IA-J-11011/74/2013-IA-II(I) dated 23.06.2021

https://drive.google.com/drive/folders/1I4S1ngaXvKEX84ooQlKndq2eKQo88FWk?usp=sharing

Kindly acknowledge and send us the confirmation

Thanks & Regards,



Amit Dhawan

Sr. Manager HR & Admin

Vardhman Special Steels Limited

C-58, Focal Point, Ludhiana-141010 (India) M +91 7508002539

W www.vardhmansteel.com

YARNS | FABRICS | THREADS | GARMENTS | FIBRES | STEELS

Took office com/mail/inbox/id/AAOkADA3YWNmYzNiLTIIMDItNDA3ZS1iYWU5LTg1NiM5NWJIYzU1MAAQANxE9ZFMR2BHsnYRLQ%...

Kindly admowledge and send us the confirmation

Re: Submission of Six Monthly Compliance Report for Vardhman Special Steels Ltd C -58, Focal Point, Phase III Ludhiana for period April'2023 to September'2023

Environment Wing IRO Chandigarh <eccompliance-nro@gov.in> @22VA1sag> asward dimA

Wed 11/15/2023 3:00 PM

To:Amit Dhawan <pna14.vss@vardhman.com>

Thank you for reaching out!

This auto-reply is just to let you know that we have received your email and will get back to you with a response soon.

Environment Wing,
Integrated Regional Office,
Ministry of Environment, Forest & Climate Change
Bays No. 24-25, Sector 31 A, Dakshin Marg,
Chandigarh – 160030

Six Monthly Compliance of stipulated Environmental conditions in the Environment Clearance for Expansion of Steel Plant from Existing Capacity of 2,00,000 TPA to 2,80,000 TPA of Rolled Steel

F. No. IA-J-11011/74/2013-IA II (I) dated 23.06.2021

COMPLIANCE PERIOD

(April 2023 to September 2023)

SUBMITTED BY:

M/s. Vardhman Special Steels Limited, C-58, Industrial Focal Point, Phase-III, Ludhiana, 141010, Punjab

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A-3	Copy of Gail Agreement
A-4	Copy of agreement with JBR Technologies
A-5	Consent to operate (Air & Water)
A-6	Environmental Monitoring Reports
A-7	Greenbelt and Park Photos
A-8	Copy of Authorization of Hazardous Wastes
A-9	MoU for Hazardous waste
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A-12	Copy of the Medical Health Check-ups records
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Ministry of Environment, Forest and Climate Change Northern Region Office Chandigarh-160030

DATA SHEET

1.	Project Type	Steel Industry
2.	Name of the Project	M/s. Vardhman Special Steels Ltd.
3.	Clearance letter (s) F.NO. &Date	Environment Clearance has been obtained from Ministry of Environment, forest and Climate Change, Govt. of India vide F.No. IA-J-11011/74/2013-IA II (I) dated 23 rd June 2021.
4.	Location	Copy of the same is attached as Annexure-1 C-58, Industrial Focal Point, Phase-III
a)	District (s)	Ludhiana-141010
,		
b)	State (s)	Punjab
5.	Address for correspondence	M/s. Vardhman Special Steels Ltd. C-58, Industrial Focal Point, Phase-III Ludhiana, Punjab -141010
6.	Salient features	Productivity improvement through technology upgradation of steel melting shop with Electric Arc Furnace, Installation of 2nd LRF, Replacing FO Boiler with mechanical Vacuum Pumping System for Vacuum Degassing, Addition of third Strand in caster, Upgradation of existing RHF & Installation of Kocks Mills along with other modifications from 2,00,000 TPA to 2,80,000 TPA. We have already obtained CTO for 2.8 LTPA wide no CTOA/Varied/LDH1/2022/18956467 is attached as Annexure-5. As required by the State Pollution Control Board, the approval from the State Competent Authority has been obtained under press Note 17 (1984 series). Copy of the same is already submitted. Plant site co-ordinates are Latitude 30°53'12.60'' N to 30°53'11.46'' N and Longitude 75°54'17.57'' E, 75°54'19.77'' E,

		elevation 250m. The project covers an area of 27.74 acres (or 11.22 ha) The nearest railway station is Ludhiana, which is 6.5km in WNW direction. Nearest airport is Chandigarh Airport is 87km in ESE. No National Parks/wildlife sanctuary/reserve forests existwithin 10km of study area. The project site is located within Government approved industrial Focal Point, Ludhiana.
a)	Of the project	The project covers an area of 112259.8 sq.m (or 27.74 acres)
b)	Of the environment	The total water requirement of the project is 766 m³/day. No additional ground water is required for the project. Total electricity demand of 38000 KVA is being supplied by Punjab State Power Corporation Ltd. to run the plant for 24 hrs.
7.	Breakup of the Project area	
a)	Submergence area	Not Applicable
8	Breakup of the project affected population with enumeration of those losing houses/dwelling units only, agricultural land and landless laborers/land landless	Not applicable as no new land has been acquired. The expansion/ modernization is within the existing project.
a)	SC/ST/Adivasis	Not Applicable
b)	Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional	Not Applicable

	figures, If a survey has been				
	carried out give details and year				
	of survey).				
9.	Financial Details	-			
a)	Project cost as originally planned and subsequent revised estimates and the	Rs. 169 (Crores.		
	year of price reference.				
b)	Allocations made for	As pe	er EMP, prop	osed exper	nditure On
	environmental management	environm	nent protection measu	ires as below:	
	plan with item wise year of	S No.	Particulars	Approx.	Approx.
	assessment.			Capital	Recurrin
				Cost (in	g Cost (in
				lac)	lac)
		1	Air Pollution	1880	50
			Control		
		2	Solid Waste	50	2
			Management		
		3	Environmental Laboratory	-	-
		4	Green Belt	190	10
		5	Others	670	20
			Total	2790	82
c)	Benefit cost ratio/Internal rate	08.91% f	for Quarter 1(Year 2	023-24 EBITDA	A to sales)
	of return and year of assessment.				

d)	Whether (c) includes the cost of environmental management as	Yes
	shown in (b) above.	
e)	Actual expenditure incurred on	Rs. 1,05,69,87,439/-
	the project so far.	
f)	Actual expenditure incurred on the	The actual capital cost & recurring expenditure done on
	environmental management plans so	the environmental management plan as given in the table
	far.	below:

		S No.	Particulars	Approx.
				Recurring
				Cost
				(in Rs.)
		1.	FES Stack/ APCD maintenance	4,88,531
		2.	Hazardous Waste Management	90,62,921
		3.	Environment	1,11,60,510
		4.	Green Belt	21,61,040
		5.	Safety/Fire Fighting	47,05,246
		From p	period April' 2023 to	2,75,78,248
		Septem	nber'2023	
10.	Forest Land requirement	Not App	licable	
a)	The status of the approval for	Not App	Not Applicable	
	diversion of forest land for non			
	forestry use.			
b)	The status of clear felling.	Not App	licable	

c)	The status of compensatory a	Not Applicable
	forestation programmer in the light of	
	actual field experience so	
	far.	
11.	The status of clear felling in non-forest	Not Applicable
	areas (such as submergence area of	
	reservoir, approach road) if any,	
	with	
	quantitative information.	
12.	Status of construction.	Completed
a)	Date of commencement (actual and	Phase I (2,00,000 TPA to 3,00,000 TPA): June '2022;
	/or planned)	Phase II (2, 00,000 TPA to 2,80,000 TPA): December '2022.
b)	Date of completion (actual and	Phase I: - In Process, Phase II: - Completed on
	•	31st December 2022.
	/or planned)	31st December 2022.
13.	Reasons for the delay if the	Not Applicable
	project is yet to start.	

Compliance Status Report for Conditions imposed in Environmental Clearance vide no F.No. IA-J-11011/74/2013-IA II (I) dated 23rd June 2021.

A. Spe	cific Conditions	
S. No	Specific Conditions	Reply
1	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.	Agreed & Complied, The overall Emissions values are being adhered and the current emission level for PM is below 10 mg/Nm ³
2	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.	Complied, The Plant is using the Natural Gas as fuel through PNG supply from GAIL. The Gas is being used in RHF/CCM & SMS area as fuel as per CTO/EC condition (Annexure-3)
3	Particulate Matter emissions from all the stacks shall be less than 30mg/Nm ³ .	Agreed & Complied, The industry is maintaining PM levels less than 30 mg/Nm³. As per recent sampling done by PPCB on 21/09/2023 the result is 22.5 mg/Nm³
4	Specific water consumption after expansion shall maintained at 0.95 m ³ / T of steel as committed by the PP.	Agreed & Being Complied, All Efforts will be done to conserve water. The water consumption is well within limits
5	300 KLD treated water from CETP of M/s. JBR technologies shall be used in expansion project.	
6	All roads shall be made Pucca and a vacuum cleaner shall be used to clean the roads.	Agreed & Complied, Vacuum Mechanical Sweeping Machines has been purchased for plant and surrounding areas and put to use. Make of the machine is IPC Tennant. Most of the in-house roads are pucca and cleaned through said machine.
7	Community Rain Water Harvesting (RWH) shall be taken up to recharge 230000 KLA of water which is more than the annual consumption of the plant.	Agreed, The same shall be done as per Compliance. We have written to PGWRA to advise on the method and technology for executing the same and once the approved method is shared to us, we shall do the needful.

8	Green belt inside the plant at present is	Agreed & Being Complied, Plantation /greenbelt
	only 3.01 Acres. Additional 6.19-acre	development has been carried out widely within the
	land inside the plant shall be covered	plant and approx. 6.19-acre land developed
	under green belt to make it 35 %. Two-	5 Acre additional Greenbelt as per Miyawaki
	acre land adjacent to the plant in the Focal	Technique in Focal Point Ludhiana as a part of
	Point has been given by authorities, which	Environment Responsibility with 52300 plants of
	shall be planted and maintained by project	various varieties and additional 2 acres Greenbelt is
	proponent. Total green belt after this shall	developed at Focal Point (Annexure A-7 & A-17)
	be 40 % of the total project area.	and 2 acres in Jodhan Mansuran village.
9	100 % slag generated in the facility shall be utilized.	Agreed & Complied, Slag is being utilized for the Cement Plant and Paver Work. Agreement is already done with Lafarge Cement and local paver units
10	All stockyards shall be having impervious	Agreed & Being Complied, Mobile Dust
	flooring and shall be equipped with water	Suppression machine has been purchased from
	spray system for dust suppression. Stock	Cloud- Tech company for our steel plant to help
	yards shall also have garland drains to trap the	
	run off material.	source and same is being used in VSSL and
		adjoining areas.

B. Gen	B. General Conditions			
(I)	Statutory Compliance	Reply		
1	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.	Agreed and accepted.		
(II)	Air Quality monitoring and Preservation	Reply		
1	continuous monitoring systems at process stacks to monitor stack emissions as well as Continuous Ambient Air Quality Stations (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in	Ambient Air Monitoring Station has also been installed at site, photos attached (Annexure A - 18)		

	(Protection) Act, 1986 or NABL accredited laboratories.	
2	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.	from NABL/ PPCB approved Lab.
3	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	Agreed & Complied, Industry has already installed the APCD on dust generating points. We have installed Fume Extraction system for capturing Primary & Secondary Emissions generated during the process at EAF and same system has been placed at LRF & MHS system also (Photos Attached)
4	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Agreed & 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.
5	The project proponent shall ensure covered transportation and conveying of ore, coat and other raw material to prevent spillage and dust generation.	Agreed & Complied, All raw material is kept in stores within enclosed covered shed area due to which no spillage and dust generation is there
6	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	Complied, Primary & Secondary FES is well in place for EAF & LRF, For MHS we have a dedicated separate FES
7	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles	Agreed & Complied, The wind shelter wall is already made in the plant and scrap storage area.
8	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, oil cellars	Agreed, The same is already existing and proper ventilation design is in place
(III)	Water Quality Monitoring and Preservation	Reply
1	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	Agreed & Complied, Two Piezometers have been installed at our plant premises. Ground Water Sampling is conducted twice a year in March & September as a part of Compliance to monitor water quality. Ground Water reports are submitted to MoEF&CC/PPCB

(VII)	Green Belt	Reply
3	-	Complied, Kitchen waste is being sent to Govt/ MCL approved A to Z Waste Management for further processing for composite
2	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused in melting Furnaces	Agreed, Same shall be implemented after ETP installation
1	Used refectories shall be recycled as far as possible	Complied, The used refectories are being sent to Chardikala recycler for re-utilizationas per norms
(VI)	adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption. Waste Management	
(V)	Energy Conservation Measures	Reply
1	prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional	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 RC MoEF&CC in every Half yearly report
(IV)	Noise Monitoring and Prevention	Reply
4	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.	Agreed, ETP proposal are under study and fo technical specs and we shall be ordering the equipment after it is finalized in few days
3	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Agreed & Being Complied, Thermax make STP is installed in Plant and fully operational
2	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.	Such run on
	(Protection) Act, 1986 end NABL accredited laboratories.	

	emissions inventory for the plant shall submit the program for reduction of the same including carbon sequestration including	Agreed & Being Complied, Study for GHG / Carbon Emissions is being done through CII and Company is very serious about carrying proper GHG Study. Calculation/Data study has been done and road map has been finalized and work is in progress
(VIII)	Public hearing and Human health Issues	Reply
1		Agreed & Complied, The Company has a proper Disaster Management Plan/ Emergency Plan for plant operations submitted with District Administration.
2	stress analysis for the workmen who work	Complied, Heat Stress Analysis test is being done twice a year and PPE's are provided as per norms in respective work place. Last test was done on 20.05.2023
3	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Agreed & Already Being Complied, The same is being 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 (Annexure A-12)
(IX)	Corporate Social Responsibility	Reply
1	The project proponent shall comply with	Agreed and Being Complied and an amount of Rs. 62,64,000 spent on CSR Projects till
	the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	September'2023

3.	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	Agreed & complied, The company has a well developed Environment Cell/ team to cater to all requirements. The team comprises of Environment Engineer and Compliance team
(X)	Miscellaneous	Reply
1	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 newspaper of the district or State, of which one shall be in the vernacular language within 7 days and in addition this shall be displayed in the Project proponent's website permanently	
2	The copies of the Environmental Clearance shall be submitted by the Project proponent to the Head's 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.	·
3		
4	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.	yearly basis and result on same are put on website along with Compliance report. (Annexure A- 6)
5	The project proponent shall submit six- monthly reports on the status of the	

6	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.
7	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. Agreed, Expansion shall be completed by December'2022
8	The project proponent shall abide by all the Agreed, The Company is committed for abiding by commitments and recommendations made in all the conditions / commitments made by it in the EIA/EMP report, commitment madeEIA/EMP. Same are being done on regular basis during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9	No further expansion or modifications in the Agreed, We agree and accept that, in case of any plant shall be carried out without prior further expansion or modification a prior approval approval of the Ministry of Environment, from MoEF&CC will be taken Forests and Climate Change (MoEF&CC).
10	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. Agreed, We agree to the said condition
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13	The Regional Office of this Ministry Agreed 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.

14	Any appeal against this EC shall lie with Agreed
	the National Green Tribunal, if preferred,
	within a period of 30 days as prescribed
	under Section 16 of the National Green
	Tribunal Act, 201 0.