

o/c



JSL/HSPCB/HR/2025/

852

24th September 2025

The Environmental Engineer (HQ),
Haryana State Pollution Control Board,
Plot No.11, Sector-6,
PANCHKULA

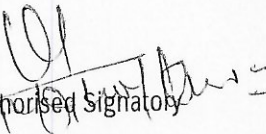
Subject: - Submission of Environment statement in the form -V for the period from 01st April, 2024 to 31st March, 2025 (FY 2024-25) under the Environment Protection Act, 1986.

Dear Sir,

Please find enclosed herewith the Environment Statement in the Form-V for the period from 01st April 2024 to 31st March 2025 (FY 2024-25) compliance under the Rule 14 of the Environment Protection Act, 1986. We hope you will find the same in order.

Thanking You,
Yours Faithfully,

For Jindal Stainless Limited,
(Hot Rolling Division)


Authorised Signatory

Enclosed: As above

562
CC: - **The Regional Officer,**
Haryana State Pollution Control Board,
Bay No.7-8, Urban Estate-II,
Hisar


Despatched,
Haryana State Pollution Control Board
Bays No. B-7 & 8, Urban Estate - II
Hisar - 125005



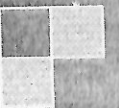
2024-25

Environment Statement

(Form-V)

(The Environment Statement i.e. Form-V is submitted once in a year in the month of September in compliance with the provisions of Environment Protection Act,1986)

Jindal Stainless Limited,
(Hot Rolling Division)
OP Jindal Marg, Hisar (Haryana)

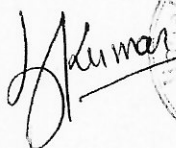
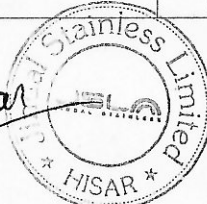


(FORM – V)
(See rule – 14)

**ENVIRONMENT STATEMENT FOR THE FINANCIAL YEAR ENDING
THE 31ST MARCH 2025**

PART – A

1.	Name and address of the owner / Occupier of the industry operation or process	:	Mr. Jagmohan Sood (Whole Time Director) M/s Jindal Stainless Limited, (Hot Rolling Division) O. P. Jindal Marg, Hisar-125005
2.	Industry category	:	Orange
	Prime ----- (STC Code)	:	-----
	Secondary ----- (SIC Code)	:	3302
3.	Production Capacity Unit		
	Blooms Slab and Ingots by steel melting shop (MT/Day)	:	2200
	Strip Mill (MT/ Day)	:	685
	Steckel Mill (MT/ Day)	:	1975
	Cu-Ni Melting (MT/ Day)	:	17
	Oxygen Plant (MT/ Day)	:	215
	Argon (MT/ Day)	:	7.5
4.	Year of establishment	:	1970
5.	Date of the last environment statement submitted	:	30.09.2024

PART – B

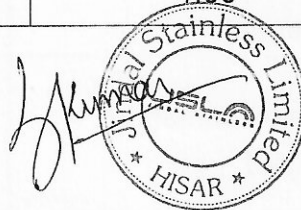
WATER AND RAW MATERIAL CONSUMPTION

1. A) Water consumption (M³/D)

Process	: Not Applicable (As the Plant is based on Dry Process Technology)
Cooling	: 4405 M ³ /Day (Approx.)
Domestic	: 1389 M ³ /Day (Approx.)
Lawn & Gardening	: 530M ³ /Day (Approx.)

B) Specific Water consumption (M³/T)

Sr. No.	Name of Products/Process	Process water consumption per unit of product output.	
		During the previous Financial Year	During the current Financial Year
1.	Steel Melting (M ³ /T)	1.04	1.13
2.	Strip Mill (M ³ /T)	0.85	0.86
3.	Plate/Steckel Mill (M ³ /T)	0.85	0.86
4.	Cupro Nickle (M ³ /T)	2.09	1.84
5.	Oxygen Plant (M ³ /1000 NM ³)	1.08	1.01
6.	Argon (M ³ /1000 NM ³)	1.08	1.01



2. Raw material consumption

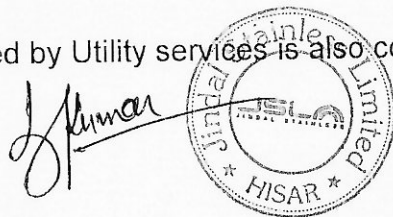
Sr. No.	Name of raw material	Name of Products	Consumption of Raw Material (MT/Annum)	
			During the previous Financial Year	During the current Financial Year
1	SS/MS Scrap	Slabs, Blooms, Ingots, Hot Rolled Strips HR SS plate Flat , Cu Strips	485287.88	481398.47
2	Copper Metal Scrap		9918.087	11843.92
3	Ferro – Nickel		11522.635	11815.79
4	Ferro - Chrome		91874.461	83058.24
5	Silico– Manganese		41814.273	42579.3
6	Ferro- Manganese		16298.481	15057.15
7	Ferro-Silicon		8812.329	11608.66
8	AluminiumScrap		534.522	778.68
9	CalciumWire		84.015	77.26
10	Charged Crome/Fine		6746.858	18606.05
11	Nickel Metal		8754.839	27002.26
12	Miscellaneous		15633.008	16942.88

- Industry may use codes if disclosing detail of raw material would violate contractual obligation, otherwise all industries have to name the raw material used.

3. Power Consumption:

Sr. No.	Name of Products	Process Power consumption per unit of product output.	
		During the previous Financial Year	During the current Financial Year
1.	Steel Melting (KWH/MT)	540.4	554
2.	Strip Mill (KWH/MT)	73.4	71.1
3.	Plate/Steckel Mill (KWH/MT)	137.0	138.1

Note:- The Power used by Utility services is also considered in these products.



4. Fuel Consumption:

A. Fuel Oil:

Sr. No.	Name of Products	Process Power consumption per unit of product output.	
		During the previous Financial Year	During the current Financial Year
1.	Steel Melting (L/MT)	3.2	3.2
2.	Strip Mill (L/MT)	30.0	29.3
3.	Plate/Steckel Mill (L/MT)	31.7	32.1

Note:- The Fuel used by Utility services is also considered in these products.

B. Propane Gas:

Sr. No.	Name of Products	Process Power consumption per unit of product output.	
		During the previous Financial Year	During the current Financial Year
1.	Steel Melting (KG/MT)	2.1	2.0
2.	Strip Mill (KG/MT)	Nil	Nil
3.	Plate/Steckel Mill (KG/MT)	14.9	17.3

Note:- The Propane Gas used by Utility services is also considered in these products.



PART – C

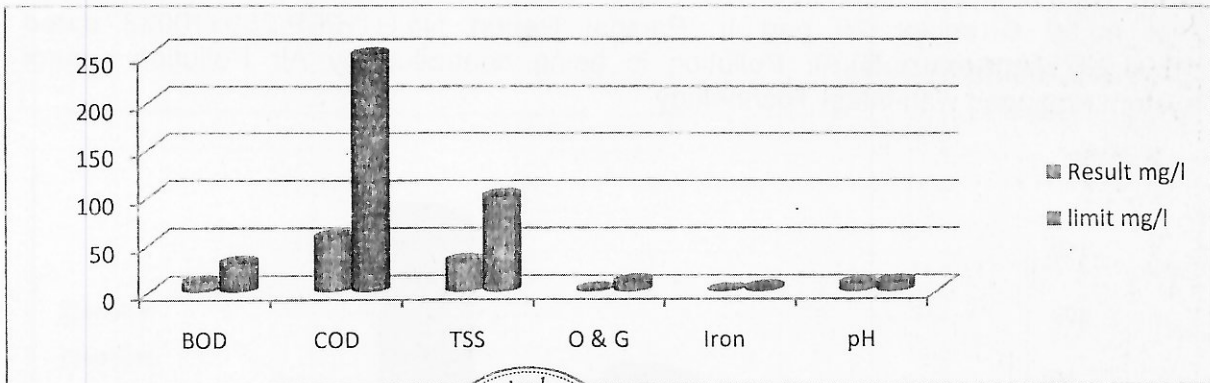
POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT (PARAMETERS specified in the consent issued)

Pollution discharge to environment / unit of output (Parameters specified in the consent issued)

(A) Water Pollution Details STP

Pollutants Mg/l	Results Mg/l	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
pH	7.4		
Biochemical Oxygen Demand (BOD)	9.6	12.48	No deviations from standards prescribed.
Chemical Oxygen Demand (COD)	57	74.10	
Suspended Solids	32	41.7	
Oil & Grease (O&G)	1.3	1.69	
Iron as Fe	0.193	0.25	

Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part. II, Panipat Report No. HTH/EP/24111603 dated 16.11.2024 (**Annexure-A**). The discharge of 1300 KLD has been taken into account for calculation of Pollution Load. We have maintained a Zero Liquid Discharge status with state of art waste water treatment facility and entire waste water is being recycled / reuse after complete Treatment.



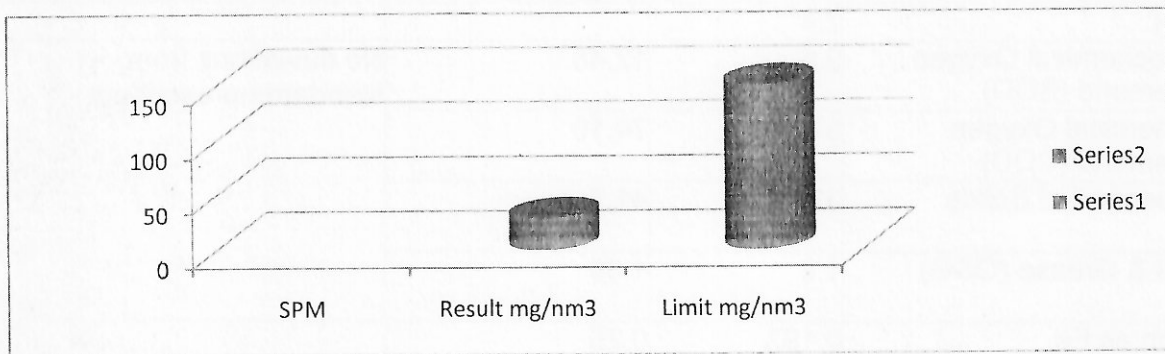
(Signature)

B Air Pollution Details

AOD Furnace

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	23.12	189.93	No deviations from standards prescribed.

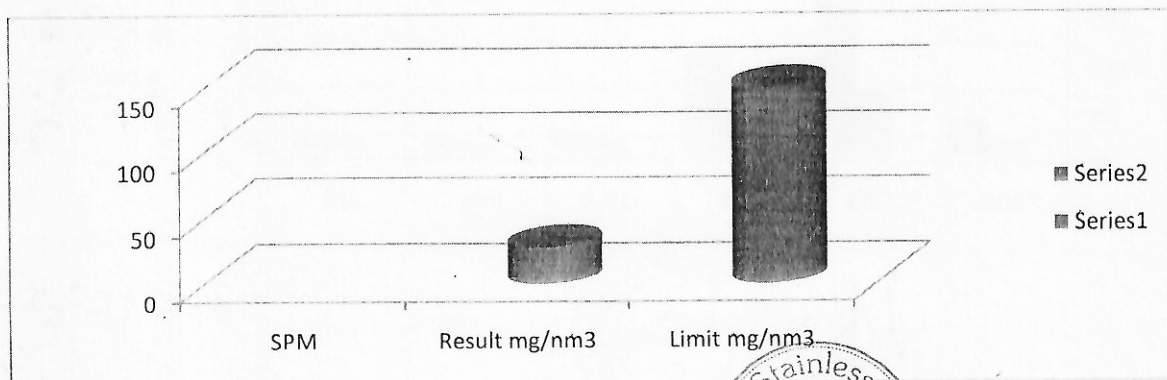
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/CV/250310001 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



EAF

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	23.42	191.63	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310033 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



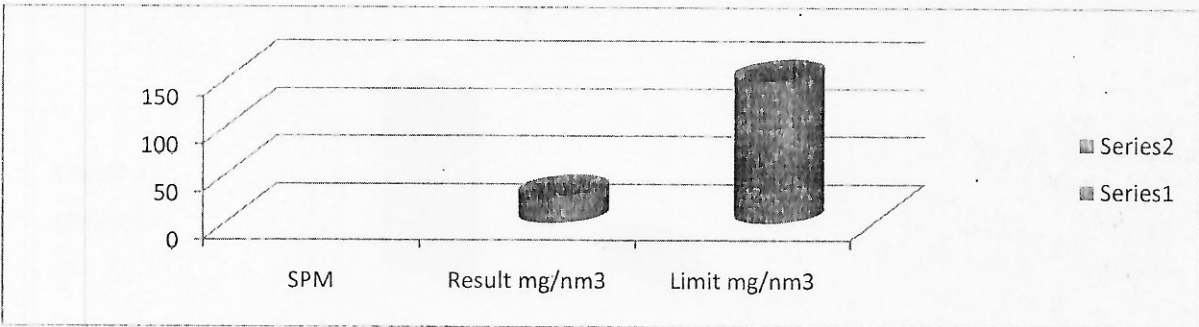
J. Kumar

 J. Kumar Stainless Limited
 HISAR

SMS-2 (AOD + EAF)

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	22.09	160.13	No deviations from standards prescribed.

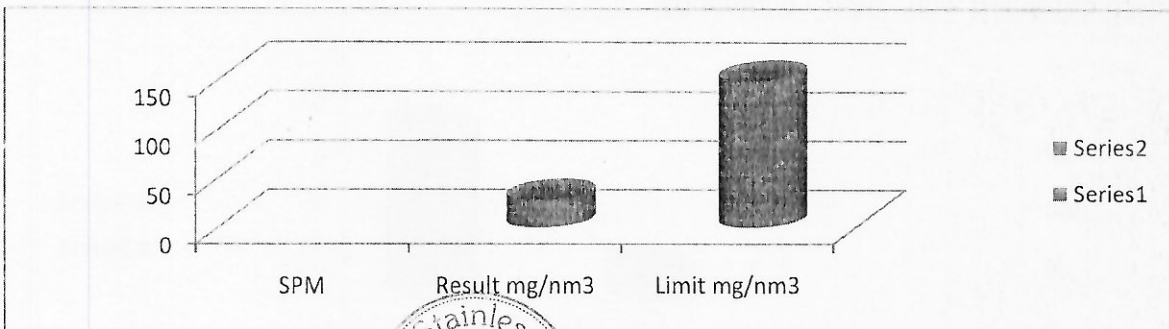
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310048 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Steckle Mill WBF

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed. standards with reasons
Suspended Particulate Matter	18.75	35.05	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310047 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



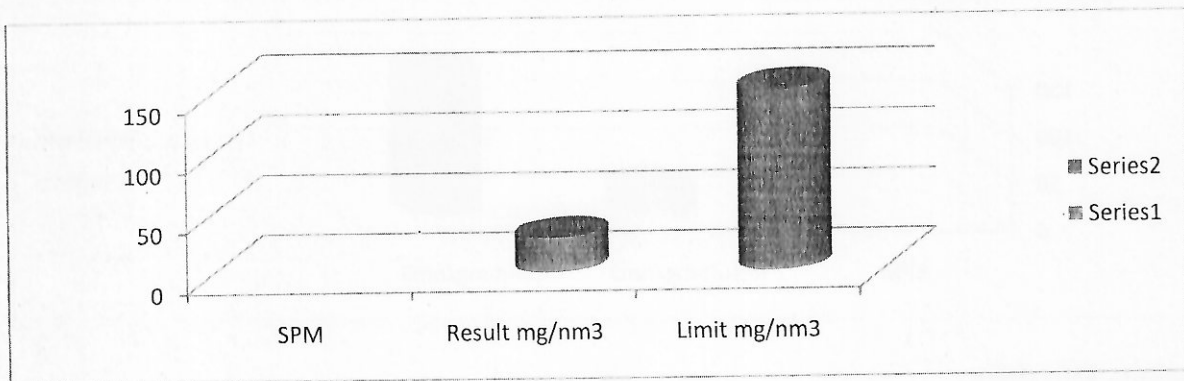
J. Kumar

 J. Kumar Stainless Limited
 HISAR

Steckle Mill Coiler

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	28.13	18.02	No deviations from standards prescribed.

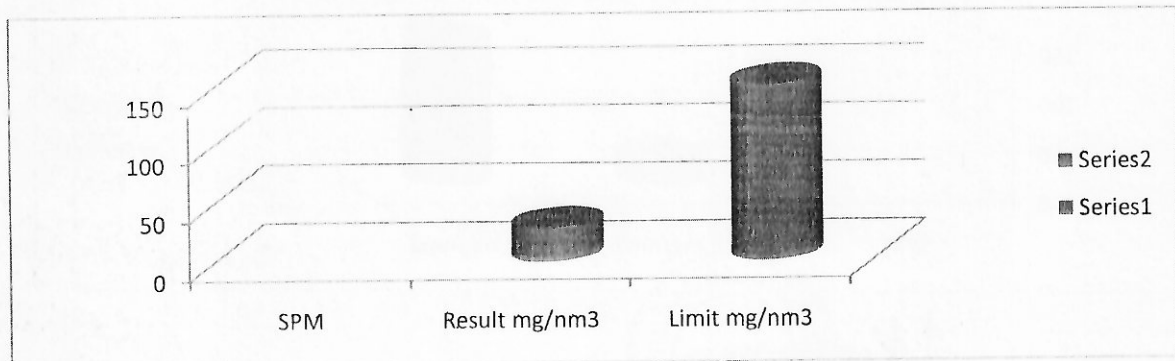
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310036 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Furnace (Strip Mill)

Pollutants. Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	25.13	35.05	No deviations from standards prescribed.

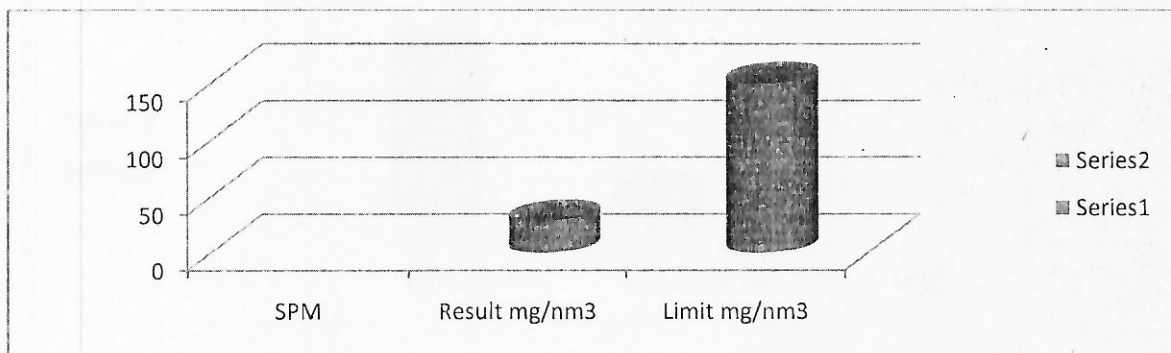
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310029 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Furnace (Finishing)

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	21.18	2.84	No deviations from standards prescribed.

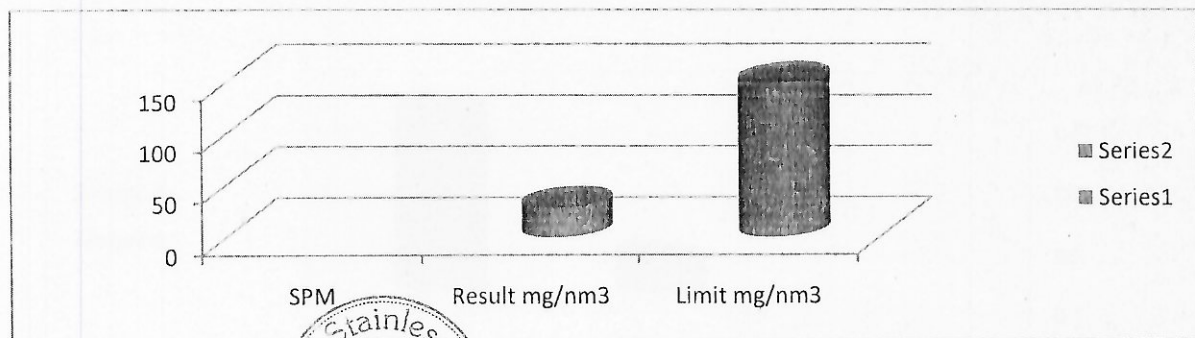
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310027 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Boggi Arc Furnace

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	23.14	4.33	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310030 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



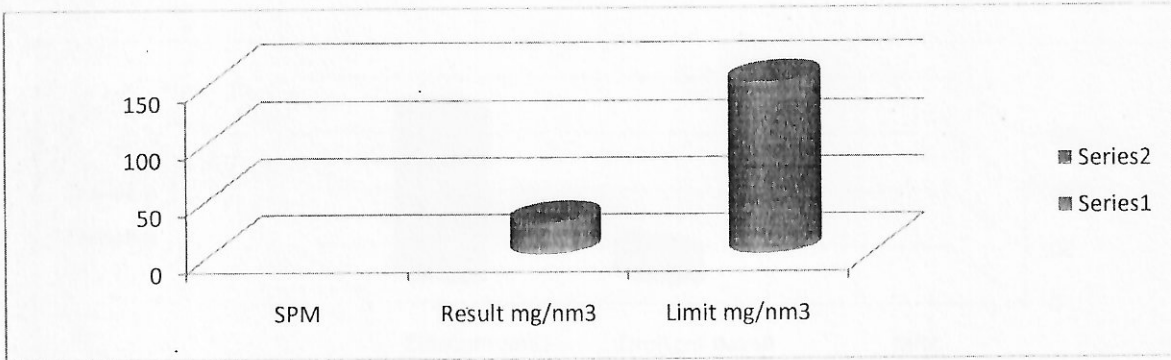
Signature

 Jindal Stainless Limited
 HISAR * India *

Soaking Furnace

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	23.17	8.46	No deviations from standards prescribed.

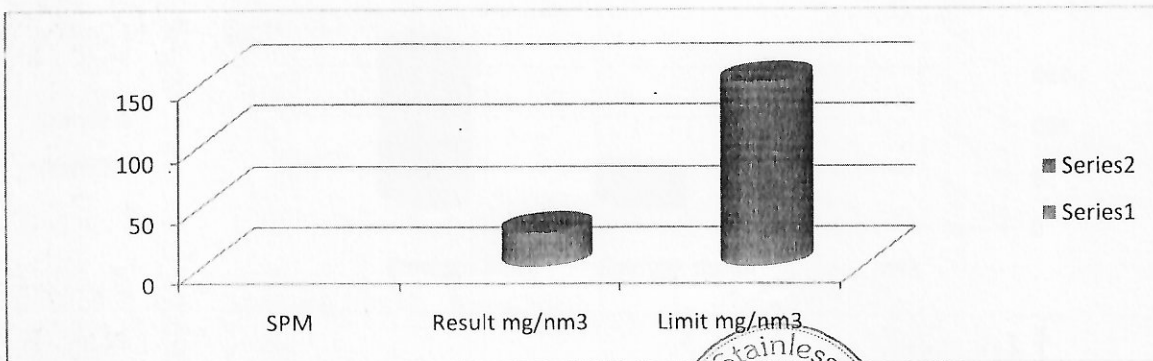
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310028 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Bali Mill

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	22.10	44.01	No deviations from standards prescribed.

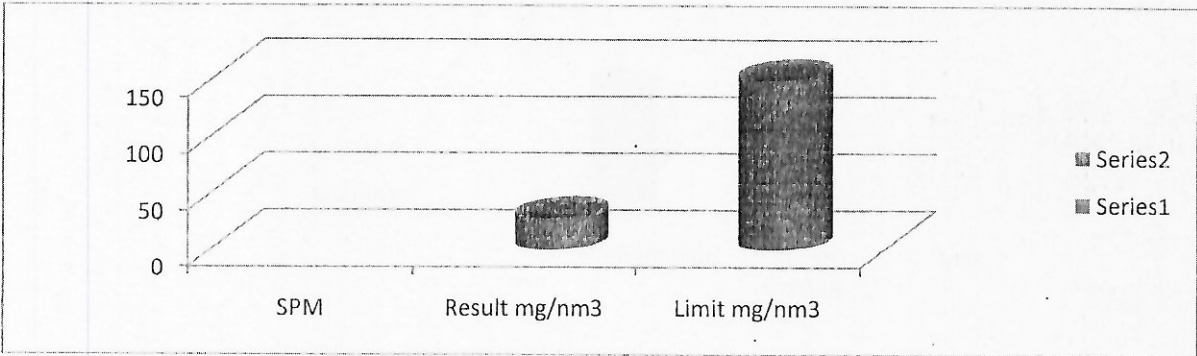
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310032 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



SAF

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	27.18	55.16	No deviations from standards prescribed.

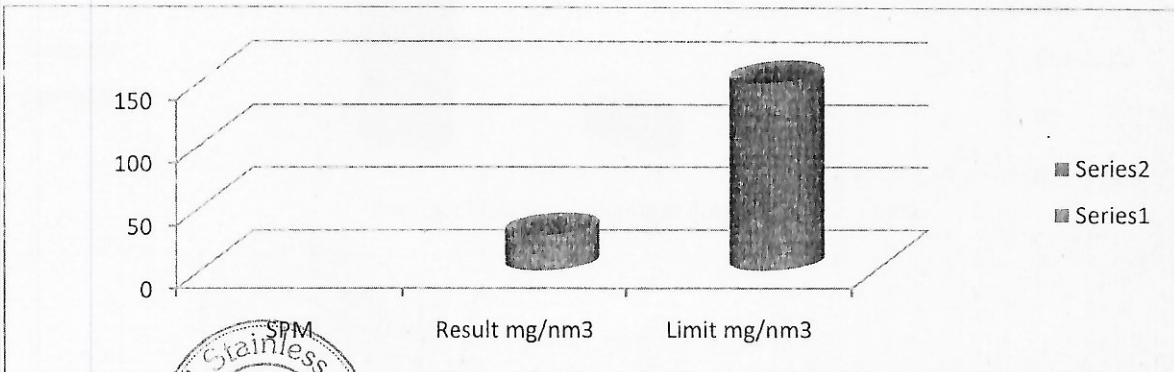
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310035 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Lime Screen

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	20.14	37.05	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310034 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.

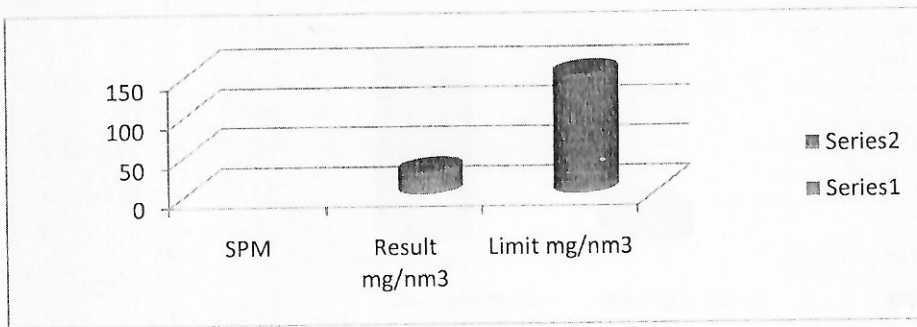


J. Kumar

AOD (20TPH) Boiler (SMS-1)

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	53.81	16.38	No deviations from standards prescribed.

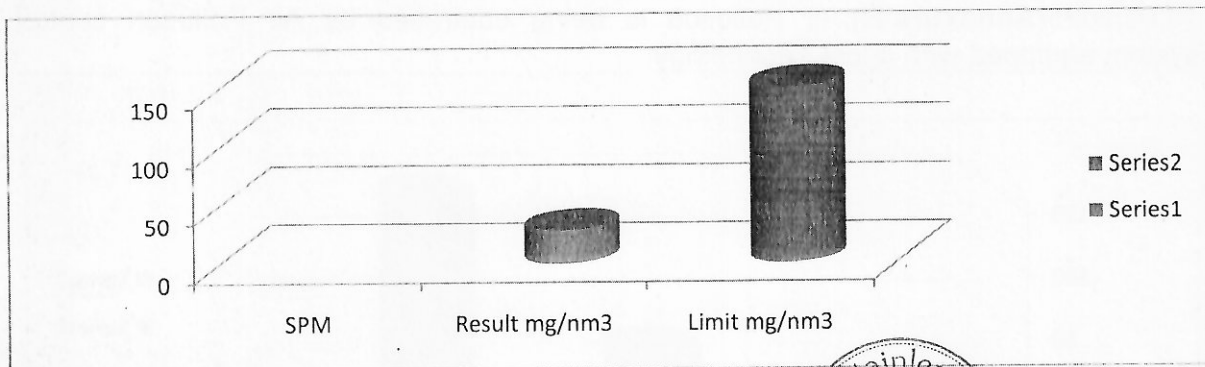
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310049 dated 10.03.2025(Annexure-B). Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Power Plant DG-2 (4MW)

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	27.12	40.32	No deviations from standards prescribed.

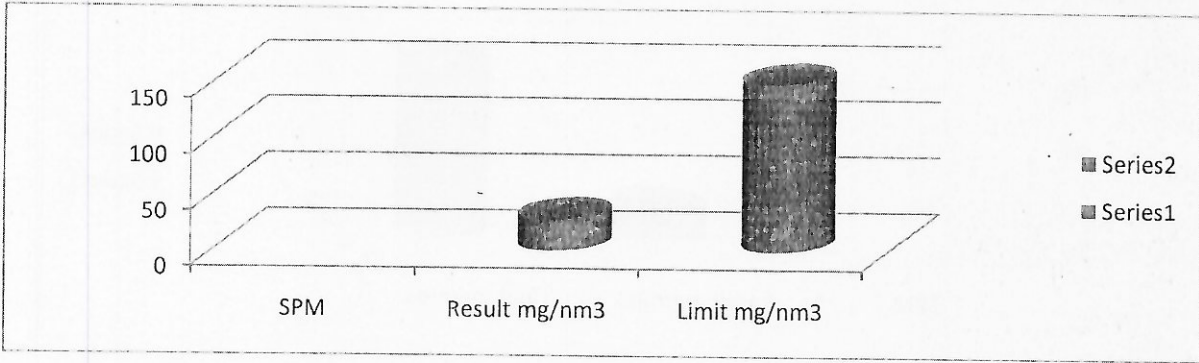
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310039 dated 10.03.2025(Annexure-B).



Induction Furnace

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	17.14	160.89	No deviations from standards prescribed.

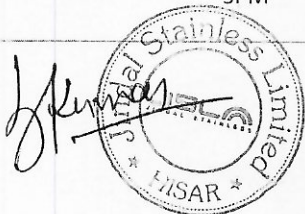
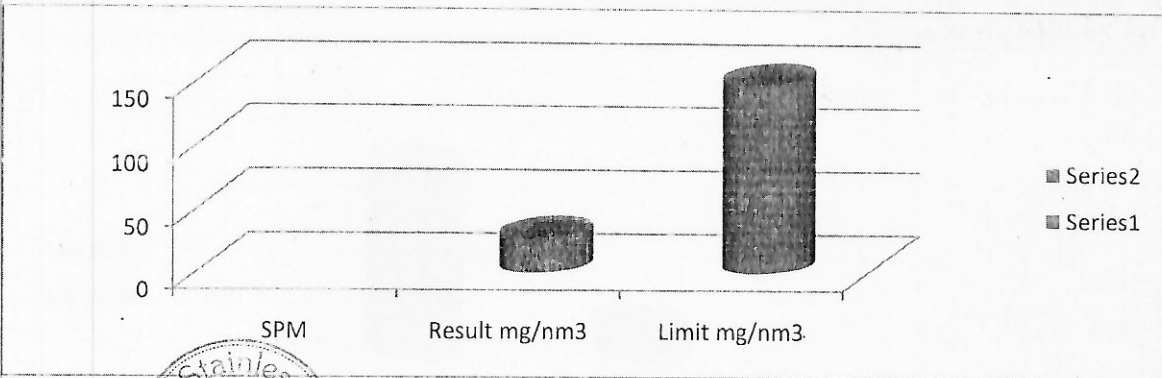
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310031 dated 10.03.2025(Annexure-B).Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



Power Plant DG-4 (6MW)

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	29.17	10.88	No deviations from standards prescribed.

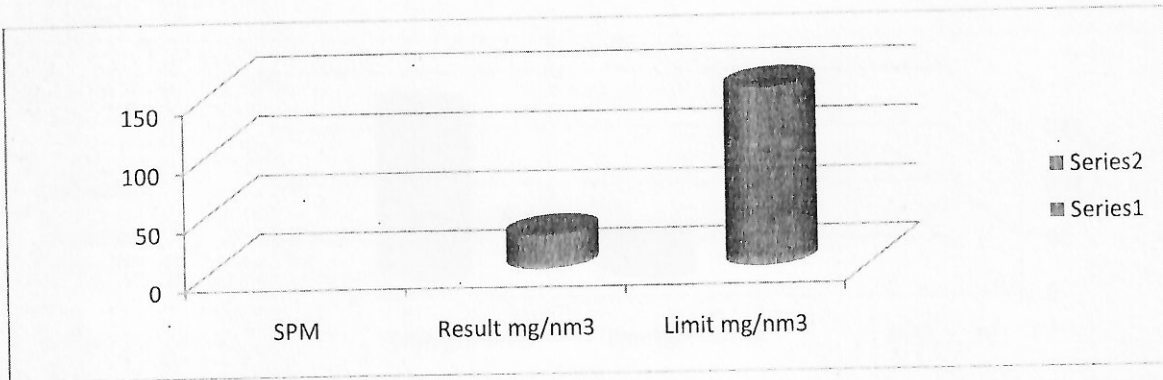
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310040 dated 10.03.2025(Annexure-B).



Power Plant (Maan) (11.2MW) DG-1

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	25.07	27.67	No deviations from standards prescribed.

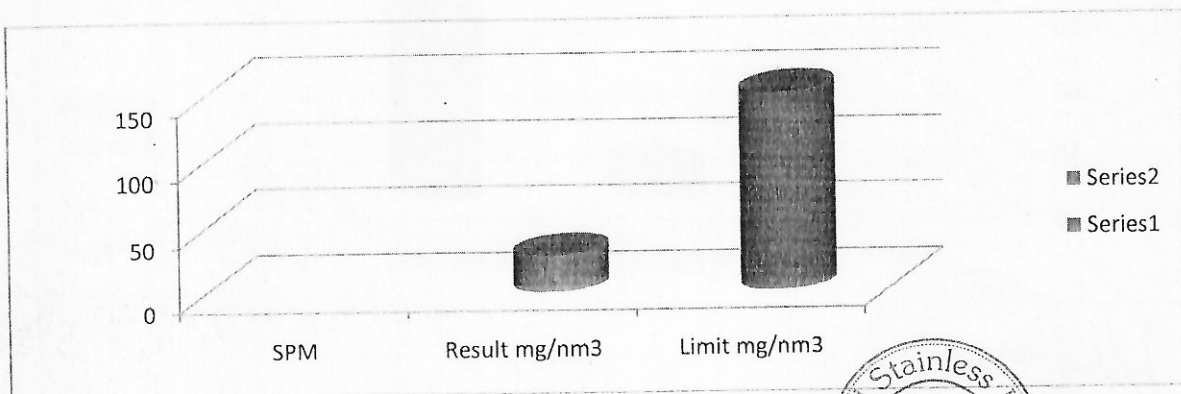
Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310037 dated 10.03.2025(Annexure-B).



Power Plant (Maan) (11.2MW) DG-2

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	28.15	30.90	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by Laboratory of HTH laboratories Plot no.50 C sector 25 part II, Panipat Report No.HTH/EP/250310038 dated 10.03.2025(Annexure-B).



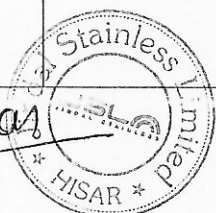
PART – D

HAZARDOUS WASTE

AS SPECIFIED UNDER HAZARDOUS AND OTHER WASTE (MANAGEMENT, HANDLING AND TRANSBOUNDARY MOVEMENT) RULES, 2016

Hazardous Waste	Total Quantity (Kg)	
	During the previous financial Year	During the current financial Year
<p>From Process: No hazardous Waste is generated from the Stainless Steel Making process. The only Hazardous Waste is Spent Oil generated from Machines</p>	<p>Total Quantity generated from April 2023 to March 2024 = Category 5.1 : Nil Category 33.1 : 15000KG Old Stock = Nil Category 5.1 (Used Oil) Sold to Authorized Recycler = Nil Category 33.1 (Empty barrels/ containers /liners contaminated with hazardous chemicals /wastes) Sold to Authorized Recycler = 15000 KG. Balance Quantity = Nil</p>	<p>Total Quantity generated from April 2024 to March 2025= Category 5.1 : Nil Category 33.1:10610KG. Old Stock = Nil Category 5.1 (Used Oil) Sold to Authorized Recycler = Nil Category 33.1 (Empty barrels/ containers /liners contaminated with hazardous chemicals /wastes) Sold to Authorized Recycler = 10610 KG. Balance Quantity= Nil</p>
<p>From Pollution Control Facilities:</p>	<p>NA</p>	<p>NA</p>

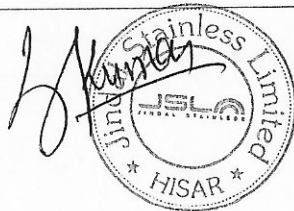
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PART – E

SOLID WASTE

Solid Waste	Total Quantity (Kg)	
	During the previous financial Year	During the current financial Year
From Process: Slag	Approx. 12264 MT / Month	Approx. 13057MT / Month
From Pollution Control Facilities: Pollution Dust	100% pollution dust recycled in metal recovery plant.	
Quantity recycled or re-utilized within the unit	The Dust Collected in the Bag Houses and Bag Filters are 100 % recycled to the system.	
Sold	Slag after metal recovery Utilized by Cement Industries and for road laying.	
Disposed	Nil	



PART – F

PLEASE SPECIFY THE CHARACTERIZATION (IN TERM OF COMPOSITION OF QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTE AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.

Battery Waste:

As specified under Batteries (Management and Handling) Amendment Rules, 2010, the details of used batteries generation are as under:

Battery Waste	Total Quantity (Kg)	
	During the previous financial Year	During the current financial Year
From Plant, Automotives and other equipments	Total Quantity generated from April 2023 to March 2024 = 10290 KG Old Stock = Nil Total Quantity Sold to Authorized Recycler = 10290 KG Balance Quantity = Nil	Total Quantity generated from April 2024 to March 2025 = 1330 KG Old Stock = Nil Total Quantity Sold to Authorized Recycler = 1330 KG Balance Quantity = Nil

E- Waste:

As specified under E-Waste (Management and Handling) Amendment Rules, 2016, the details of Ewaste generation are as under:

E- Waste	Total Quantity (Pieces)	
	During the previous financial Year	During the current financial Year
From Plant and other equipments	Total Quantity generated from April 2023 to March 2024 = Nil Old Stock = Nil Total Quantity Sold to Authorized Recycler = Nil ITEW 10 = Nil	Total Quantity generated from April 2024 to March 2025 = E-Waste(IT, Electrical & electronics) = 3.330 MT Old Stock = Nil Total Quantity Sold to Authorized Recycler = 3.330 MT

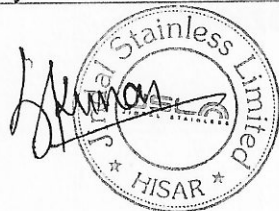


	Balance Quantity = Nil	Balance Quantity = Nil
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Biomedical Waste:

As specified under Bio-Medical Waste Management (Amendment) Rules, 2018, the details of biomedical waste generation are as under:

Biomedical Waste	Total Quantity (Kg)	
	During the previous financial Year	During the current financial Year
From Occupational Health Center	Total Quantity generated from Jan 2023 to Dec. 2023 = 45.005 KG Old Stock = Nil Total Quantity given to Authorized Recycler = 45.005 KG Balance Quantity = Nil	Total Quantity generated from Jan 2024 to Dec. 2024 = 86.366 KG Old Stock = Nil Total Quantity given to Authorized Recycler = 86.366 KG Balance Quantity = Nil



Other Wastes:

Jindal Stainless Limited has adopted the policy of Reducing, Reuse & Recycling of waste. The Solid Waste produced is recycled in Metal Recovery Plant for Metal Recovery.

Spent/ Waste Oil: The only hazardous waste is Spent Oil, which is collected at specified site (waste oil store) in standard 200 liter mild steel drums and stored as per guidelines of CPCB/ MOEFCC.

The Hazardous Waste is channelized to the Recyclers Authorized by MOEFCC/ CPCB or Haryana State Pollution Control Board for recycling of hazardous waste.

Slag: During Steel Melting & Refining Process, solid waste called as slag (A combination of Calcium, Magnesium & silica), a well known product is generated. It is collected & all metallic components are recovered and reused while slag is reused in road laying & is also used in cement industries.

Process Dust: Process dust is generated during melting & refining of stainless steel and is collected by Air Pollution Control Devices (Bag Filters). The same is send to the Metal Recovery Plant for Metal Recovery.



PART – G

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.

Jindal Stainless Limited has a well defined HSE policy; clearly demonstrating its commitment towards Natural Resource Conservation and Environmental Protection. Conservation of natural resources is being taken on priority and the following ongoing improvement project:

- Energy Conservation by reducing the wastage by optimum utilization of power at each step of manufacturing process. Modification, up-gradation & automation of process equipment & other utilities as per optimum requirement as a continual process at Jindal Stainless Limited.
- Optimization in Water Consumption by reutilization after complete treatment of waste water aiming to Zero Discharge.
- Metal Recovery in Metal Recovery Plant (SAF) from Solid waste.
- Green Belt Development to increase green canopy cover in and around the Jindal Stainless Limited premises.



PART – H

ADDITIONAL MEASURES / INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION, PREVENTION OF POLLUTION.

- To improve the environmental conditions, Modification / Up gradation & Automation is carried out. It's a continual process of improvement at Jindal Stainless Limited for clean & Safe Environment.
- Keeping in view the future environmental regulations a continual modification & Automation are done as a part of our policy to meet these norms voluntarily in advance. i.e. DOG House / SAF / Rain Water Harvesting Projects implemented.

PART – I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT.

- Jindal Stainless Limited has installed DOG House to reduce fugitive emission / Noise & Heat and will help to maintain clean environment around.
- Metal Recovery Plant is in place for recovery of metals in waste if any.
- All Chemicals used for cooling water treatment are biodegradable.
- Company is working as per TPM, 6 – Sigma, 5S and quality improvement projects for better productivity & Control.
- Green Belt is developed in and around the factory premises.



ADDITIONAL INFORMATION REQUIRED FOR ENVIRONMENT STATEMENT

1. Methods of waste prevention

a. Alternative Raw materials or replacement of toxic material

There is no any use of toxic material in the production of Stainless Steel. Raw material is SS Scrap & Ferro-alloys instead of mining ores.

b. Cleaner Technology

- Use of LPG/Propane instead of Fossil fuel having a important role in reducing the load of NOx &SOx gases
- After a complete Treatment Recover & Reuse of entire waste water in the plant is done for water conservation.
- Waste Heat recovery and its use have been adopted.

2. Methods of waste Reduction

- Water & Wastewater Management through optimum use and reduction in waste water and reuse of entire wastewater after Treatment.
- Reduction, Recovery &Recycle of entire process Solid waste through material recovery plant.

3. Mass Balance in flow chart indicating raw material , products, solid, liquid and gaseous

Please find attached Manufacturing Process Flow Chart as Annexure-II

4. Environmental sound layout/Environment Management

Please find attached Details as Annexure - III

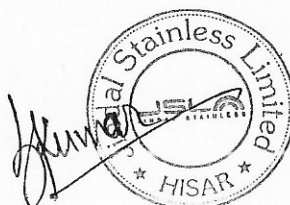
5. Maintenance of Ecology balance by compensatory methods/ Tree plantations & Green Belt Development

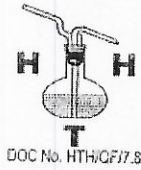
Attached Details herewith as Annexure - IV

Other Documents attached:

Following Certificates are attached herewith as Annexure – V

- Copy of ISO:14001Certificate
- Copy of ISO: 9001Certificate
- Copy of ISO: 45001Certificate
- Copy of ISO:50001Certificate





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TEST REPORT

Issued To: M/S Jindal Stainless Limited Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/241116037 ULR No. : TC781124100009008F Party's Ref No. : Booking Date : 16/11/2024 Period of Testing : 16/11/2024 To 22/11/2024 Reporting Date : 22/11/2024
---	--

Sample Description :	Sewage Water Sample (STP-Outlet)
Type of industry :	Stainless Steel
Sample type :	Sewage Water Sample (STP-Outlet)
Date of sampling :	15/11/2024
Date of receipt of sample :	16/11/2024
Sample Location :	STP-Outlet
Sample quantity :	2 Ltr.
Purpose of analysis :	Monitoring
Sample collected/ supplied by :	By our Lab. Representative

TEST RESULTS

S.N.	Test Parameters	Unit	Result	Limit as per EP Act. 1986, Schedule-VI (Inland Surface Water)	Test Method
Discipline: Chemical, Group: Pollution & Environment					
1	Odour	--	Odourless	--	IS 3025 (Part 5): 2018
2	pH	--	7.41	5.5 - 9.0	IS 3025 (Part 11): 2022
3	Total Suspended Solids	mg/l	32.0	100 Max.	IS 3025 (Part 17): 2022
4	Biochemical Oxygen Demand (BOD) 3 Days at 27°C	mg/l	9.6	30 Max.	IS 3025 (Part 44): 2022
5	Chemical Oxygen Demand(COD)	mg/l	57.0	250 Max.	IS 3025 (Part 58): 2023
6	Oil & Grease	mg/l	1.3	10 Max.	IS 3025 (Part 39): 2021
7	Iron (as Fe)	mg/l	0.193	3.0 Max.	HTH/QF/7.2/2/KP-01, SOP No-21

End of Report

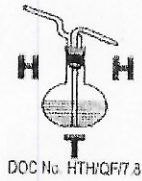
Reviewed by

 22-11-24

Basudev Singh
 Tech. Manager

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ANNEXURE-B



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TC-7811



TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/CV/250310001 ULR No. : TC781125500000162F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description	: Stack Emission SMS-I, AOD (Pri+Sec), HRD
Type of Industry	: Stainless Steel
Name of Plant/ Section	: SMS-I, AOD (Pri+Sec), HRD
Date of sampling	: 08/03/2025
Source of Emission	: Stack Attached to SMS-I, AOD (Pri+Sec), HRD
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: NA
Stack height (from the ground level)	: 40 meter
Stack diameter (at the sampling point)	: 4 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations	
1. Stack gas temperature, °C	: 82.0
2. Temperature at Metering point, °C	: 29.0
3. Avg. stack gas velocity, m/sec	: 7.57
4. Sampling flow rate, Lt./min.	: 27.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 276235.95

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1.	Particulate Matter (PM)	mg/Nm ³	23.12	150 Max	IS 11255 (Part-I) : 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	11.22	-	HTH/AP/STP-01
3.	Nitrogen Dioxide (NO ₂)	mg/Nm ³	16.93	-	HTH/AP/STP-01

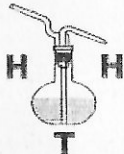
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 Sr. Manager (Env.)

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--	--

Sample Description : Stack Emission SMS-I EAF (Pri + Sec)
Type of Industry : Stainless Steel
Name of Plant/ Section : SMS-I EAF (Pri + Sec)
Date of sampling : 07/03/2025
Source of Emission : Stack Attached to Stack Emission to SMS-I EAF (Pri + Sec)
Instrument used : Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of Chimney : Metal
Type of Fuel used : NS
Stack height (from the ground level) : 40 meter
Stack diameter (at the sampling point) : 4 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

- A Observations**
- Stack gas temperature, °C : 85.0
 - Temperature at Metering point, °C : 33.0
 - Avg. stack gas velocity, m/sec : 7.54
 - Sampling flow rate, Lt./min. : 27.0
 - Period of sampling, Minutes : 30.0
 - Volumetric flow rate, Nm³/Hr : 272835.57

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	23.42	150 Max	IS 11255 (Part II) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	15.71	-	HTH/AF/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	18.81	-	HTH/AF/STP-01

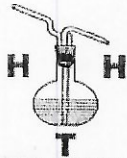
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Sr. Manager (Env.)

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--	--

Sample Description : Stack Emission (SMS-2, AOD+EAF)
Type of Industry : Stainless Steel
Name of Plant/ Section : SMS-2, AOD+EAF
Date of sampling : 08/03/2025
Source of Emission : Stack Attached to SMS-2, AOD+EAF
Instrument used : Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of Chimney : Metal
Type of Fuel used : NA
Stack height (from the ground level) : 40 meter
Stack diameter (at the sampling point) : 4 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 78.0
- Temperature at Metering point, °C : 34.0
- Avg. stack gas velocity, m/sec : 6.68
- Sampling flow rate, Lt./min. : 24.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 246536.95

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	22.09	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.85	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	13.17	-	HTH/AP/STP-01

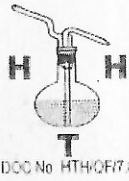
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Sr. Manager (Env.)

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--	--

Sample Description	: Stack Emission (HRD- Steckel Mill)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: HRD- Steckel Mill WBF
Date of sampling	: 06/03/2025
Source of Emission	: Stack Attached to Stack Emission to HRD- Steckel Mill WBF
Instrument used	: Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: Propane LPG
Stack height (from the ground level)	: 50 meter
Stack diameter (at the sampling point)	: 2 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations

1. Stack gas temperature, °C : 225.0
2. Temperature at Metering point, °C : 34.0
3. Avg. stack gas velocity, m/sec : 6.89
4. Sampling flow rate, Lt./min. : 18.0
5. Period of sampling, Minutes : 30.0
6. Volumetric flow rate, Nm³/Hr : 44806.66

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	18.75	150 Max	IS 11255 (Part-I) : 1995
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	18.32	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	15.05	-	HTH/AP/STP-01

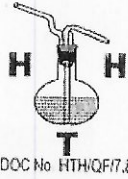
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--	--

Sample Description : Stack Emission (HRD- Stackel Mill Coiler)
Type of Industry : Stainless Steel
Name of Plant/ Section : Stack Emission (HRD- Stackel Mill Coiler)
Date of sampling : 07/03/2025
Source of Emission : Stack Attached to Stack Emission to Stackel Mill Coiler)
Instrument used : Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of Chimney : Metal
Type of Fuel used : LSHS
Stack height (from the ground level) : 30 meter
Stack diameter (at the sampling point) : 1.2 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 97.0
- Temperature at Metering point, °C : 34.0
- Avg. stack gas velocity, m/sec : 6.56
- Sampling flow rate, Lt./min. : 23.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 20670.80

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipliner Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	28.13	150 Max	IS 11255 (Part-I) : 1995
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	18.32	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	22.58	-	HTH/AP/STP-01

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--	--

Sample Description	: Stack Emission (Strip Mill Furnace)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: Strip Mill Furnace
Date of sampling	: 06/03/2025
Source of Emission	: Stack Attached to Strip Mill Furnace
Instrument used	: Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: LSHS & LDO
Stack height [from the ground level]	: 30 meter
Stack diameter (at the sampling point)	: 1.5 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations

1. Stack gas temperature, °C : 102.0
2. Temperature at Metering point, °C : 32.0
3. Avg. stack gas velocity, m/sec : 7.90
4. Sampling flow rate, LT./min. : 27.0
5. Period of sampling, Minutes : 30.0
6. Volumetric flow rate, Nm³/Hr : 38717.05

B Results

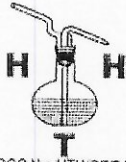
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	25.13	150 Max	IS 11255 (Part II) : 1085
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	16.93	-	HTH/AP/STP-01

End of Report

[Signature]
 10.03.2025
 Review by

[Signature]
 17.03.2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

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DOC No. HTH/QF/7.6

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TC-7811



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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310027 ULR No. : TC781125100012096F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
---	--

Sample Description	: Stack Emission (Finishing Section Furnace)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: Finishing Section
Date of sampling	: 06/03/2025
Source of Emission	: Stack Attached to Finishing (Sizing Line)
Instrument used	: Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: LDO
Stack height (from the ground level)	: 35 Meter
Stack diameter (at the sampling point)	: 0.5 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations

1. Stack gas temperature, °C	: 97.0
2. Temperature at Metering point, °C	: 32.0
3. Avg. stack gas velocity, m/sec	: 7.90
4. Sampling flow rate, Lt./min.	: 27.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 4327.20

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	21.18	150 Max	IS 11295 (Part-1): 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.85	-	HTH/AF/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	13.17	-	HTH/AF/STP-01

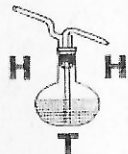
End of Report

[Signature]
17-03-2025
Review By

[Signature]
17-03-2025
Mr. Asfak Ansari
Sr. Manager (Env.)

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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, DP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310030 ULR No. : TC781125100012099F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description	: Stack Emission (HRD- Boggie Hearth Furnace)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: Finishing Section HRD- (Boggie Hearth Furnace)
Date of sampling	: 05/03/2025
Source of Emission	: Stack Attached to Boggie Hearth Furnace
Instrument used	: Stack Sampler APM 160 (Sr.No. 89 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: LSHS
Stack height (from the ground level)	: 30 meter
Stack diameter (at the sampling point)	: 0.6 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations	
1. Stack gas temperature, °C	: 110.0
2. Temperature at Metering point, °C	: 32.0
3. Avg. stack gas velocity, m/sec	: 7.67
4. Sampling flow rate, Lt./min.	: 25.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 5837.03

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	23.14	150 Max	IS 11255 (Part-I) : 1085
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AF/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	24.46	-	HTH/AF/STP-01

End of Report

[Signature]
17.03.2025
Review by

[Signature]
17.03.2025
Md. Asfak Ansari
Sr. Manager (Env.)

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--	--

Sample Description	: Stack Emission (HRD- Soaking Furnace)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: Finishing Section (Soaking Furnace)
Date of sampling	: 06/03/2025
Source of Emission	: Stack Attached to Soaking Furnace
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: LSHS
Stack height (from the ground level)	: 30 meter
Stack diameter (at the sampling point)	: 0.8 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations	
1. Stack gas temperature, °C	: 98.0
2. Temperature at Metering point, °C	: 32.0
3. Avg. stack gas velocity, m/sec	: 8.41
4. Sampling flow rate, Lt./min.	: 29.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 11746.13

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	23.17	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.47	-	HTH/AF/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	15.05	-	HTH/AF/STP-01

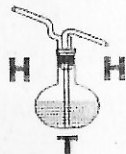
End of Report

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14-03-2025
Review by

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17-03-2025
Md. Asfak Ansari
Sr. Manager (Env.)

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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310032 ULR No. : TC781125100012082F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description : Stack Emission (HRD- Ball Mill)
Type of Industry : Stainless Steel
Name of Plant/ Section : (HRD- Ball Mill)
Date of sampling : 07/03/2025
Source of Emission : Stack Attached to (HRD- Ball Mill)
Instrument used : Stack Sampler APM 160 (Sr. No. 87 DIL 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of Chimney : Metal
Type of Fuel used : NA
Stack height (from the ground level) : 42 meter
Stack diameter (at the sampling point) : 2 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 45.0
- Temperature at Metering point, °C : 33.0
- Avg. stack gas velocity, m/sec : 7.34
- Sampling flow rate, Lt./min. : 29.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/Hr : 74751.79

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	22.10	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.47	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	11.29	-	HTH/AP/STP-01

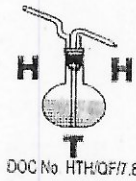
End of Report

19-03-2025
Review by

17-03-2025
Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310035 ULR No. : TC/81125100012085F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description : Stack Emission (HRD- SAF)
Type of Industry : Stainless Steel
Name of Plant/ Section : HRD (SAF)
Date of sampling : 07/03/2025
Source of Emission : Stack Attached to HRD (SAF)
Instrument used : Stack Sampler APM 160 (Sr.No. 63 DTL 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of Chimney : Metal
Type of Fuel used : NS
Stack height (from the ground level) : 42 meter
Stack diameter (at the sampling point) : 2 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

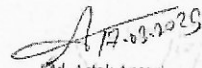
- Stack gas temperature, °C : 69.0
- Temperature at Metering point, °C : 34.0
- Avg. stack gas velocity, m/sec : 7.48
- Sampling flow rate, Lt./min. : 28.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 71039.50

B Results

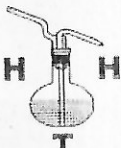
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	27.18	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.47	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	20.70	-	HTH/AP/STP-01

End of Report


 Review by


 Md. Asfak Ansari
 Sr. Manager (Env.)

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TEST REPORT

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--	--

Sample Description	: Stack Emission (HRD- Lime Screen)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: Lime Screen
Date of sampling	: 07/03/2025
Source of Emission	: Stack Attached to (HRD- Lime Screen)
Instrument used	: Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: NA
Stack height (from the ground level)	: 42 meter
Stack diameter (at the sampling point)	: 2 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations

1. Stack gas temperature, °C	: 75.0
2. Temperature at Metering point, °C	: 34.0
3. Avg. stack gas velocity, m/sec	: 6.78
4. Sampling flow rate, Lt./min.	: 25.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 63096.19

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	20.14	150 Max	IS 11255 (Part-II) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.24		HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	9.41		HTH/AP/STP-01

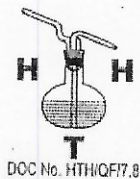
End of Report

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12.03.2025
Review by

[Signature]
12.03.2025
Md. Asfak Ansari
Sr. Manager (Env.)

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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310049 ULR No. : TC781125100012077F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description	: Stack Emission Boiler (SMS-I), AOD (20 TPH) HRD
Type of Industry	: Stainless Steel
Name of Plant/ Section	: Boiler (SMS-I), AOD (20 TPH) HRD
Date of sampling	: 08/03/2025
Capacity of Boiler	: 20 TPH
Source of Emission	: Stack Attached to Boiler (SMS-I), AOD (20 TPH) HRD
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of stack	: Metal
Type of Fuel used	: LSHS
Stack height (from the ground level)	: 30 meter
Stack diameter (at the sampling point)	: 0.9 m
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative
Sampling Method	: HTH/AP/SAP-02
Type of APCM	: Bag House

A Observations

1. Stack gas temperature, °C	: 120.0
2. Temperature at Metering point, °C	: 34.0
3. Avg. stack gas velocity, m/sec	: 5.54
4. Sampling flow rate, Lt./min.	: 18.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 9244.74

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	53.81	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	18.32	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	15.05	-	HTH/AP/STP-01
4	Carbon Dioxide (CO ₂)	% v/v	6.20	-	HTH/AP/STP-01

*** End of Report ***

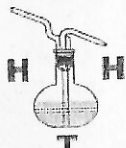
Remarks : Particulate Matter Corrected @ 12 % CO₂.

Review By
 17.3.2025

Md. Asfak Ansari
 Sr. Manager (Env.)

Page No.: 1 of 1

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DOC No. HTH/QF/7.8

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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310039 ULR No. : TC781125100012080F Party's Ref No. : Nil
	Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025

Sample Description	: Stack Emission Power Plant (Wartsila) (DG No. 2, 4 MW)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: DG Section
Date of sampling	: 07/03/2025
Capacity of DG	: 4 MW
Source of Emission	: Stack Attached to DG Power Plant (Wartsila)
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of stack	: Metal
Type of Fuel used	: LSHS
Stack height (from the ground level)	: 42 meter
Stack diameter (at the sampling point)	: 2 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sampling Method	: HTH/AP/SAP-02
Sample collected by	: By our Lab. Representative

- A Observations**
- Stack gas temperature, °C : 294.0
 - Temperature at Metering point, °C : 34.0
 - Avg. stack gas velocity, m/sec : 5.48
 - Sampling flow rate, Lt./min. : 21.0
 - Period of sampling, Minutes : 30.0
 - Volumetric flow rate, Nm³/ Hr : 31300.42

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	27.12	75 Max	IS 11255 (Part-I) : 1085
2	Nitrogen Dioxide (NO ₂)	mg/Nm ³	47.25	710 Max	HTH/AP/STP-01
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	95.20	-	HTH/AP/STP-01
4	Carbon Monoxide (CO)	mg/Nm ³	41.67	150 Max	HTH/AP/STP-01
5	Oxygen (O ₂)	%	13.60	---	HTH/AP/STP-01
6	Total Non-Methyl Hydro Carbon (TNAHC)	mg/Nm ³	22.60	100 Max	HTH/INS-02/STP-26

End of Report

Remarks : PM, NO₂ & CO value Corrected @ 15 % O₂.

Emission Standards for Diesel Engines Engine Rating more than 0.8 MW (800 KW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 400 (E), dated 5th July, 2002.

[Signature]
12-03-2025
Review by

[Signature]
12.03.2025
Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

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3. This report is only for your reference and not for legal purposes, commercial claims and for advertisement. 4. Total Liability of HTH Laboratories Pvt. Ltd. is limited to the amount paid to us only.
5. Samples will be destroyed after 90 days from the date of issue of test report unless otherwise specified. 6. Sample not passed by HTH will be retested by us free.
7. The Institute will bear cost up to its own responsibility. Labels and not in accordance with and hence their not taken. We do not verify whole lot.



DOC No. HTH/QF7.8

HTH Laboratories Pvt. Ltd.

(Formerly Known as Haryana Test House & Consultancy Services)

Plot No. 50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off) 86077-70160, 0180-4067223, (Env) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site: www.hthlabs.com, e-mail: haryanotesthousecs@gmail.com, testing@hthlabs.com



TC-7811



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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310031 ULR No. : TC781125100012100F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description	: Stack Emission (SMS-II Induction Furnace)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: SMS-II Induction Furnace
Date of sampling	: 06/03/2025
Source of Emission	: Stack Attached to SMS-II Induction Furnace
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: NA
Stack height (from the ground level)	: 40 meter
Stack diameter (at the sampling point)	: 4 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations

1. Stack gas temperature, °C	: 64.0
2. Temperature at Metering point, °C	: 32.0
3. Avg. stack gas velocity, m/sec	: 8.65
4. Sampling flow rate, Lt./min.	: 15.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 332505.63

B Results

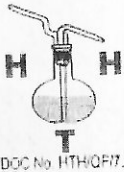
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	17.14	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.38	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	11.29	-	HTH/AP/STP-01

End of Report

[Signature]
17/03/2025
Reviewed by

[Signature]
17/03/2025
Md. Asfak Ansari
Sr. Manager (Env.)

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4. Total liability of HTH Laboratories Pvt. Ltd. is limited to the amount received only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Samples not drawn by HTH (unless otherwise specified).
7. The details on error from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



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 Web Site : www.hthlab.com, e-mail : haryanotesthousescs@gmail.com, testing@hthlab.com

An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory



TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310040 ULR No. : TC781125100012081F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description	: Stack Emission Power Plant (Wartsila) (DG No. 4, 6 MW)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: DG Section
Date of sampling	: 07/03/2025
Capacity of DG	: 6 MW
Source of Emission	: Stack Attached to DG Power Plant (Wartsila)
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of stack	: Metal
Type of Fuel used	: LSHS
Stack height (from the ground level)	: 30 meter
Stack diameter (at the sampling point)	: 1 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sampling Method	: HTH/AP/SAP-02 for Stack
Sample collected by	: By our Lab. Representative

- A Observations**
1. Stack gas temperature, °C : 259.0
 2. Temperature at Metering point, °C : 34.0
 3. Avg. stack gas velocity, m/sec : 5.50
 4. Sampling flow rate, LL/min. : 21.0
 5. Period of sampling, Minutes : 30.0
 6. Volumetric flow rate, Nm³/ Hr : 7785.01

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	29.17	75 Max	IS 11255 (Part-I) : 1985
2	Nitrogen Dioxide (NO ₂)	mg/Nm ³	51.25	710 Max	HTH/AP/STP-01
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	42.90	-	HTH/AP/STP-01
4	Carbon Monoxide (CO)	mg/Nm ³	43.18	150 Max	HTH/AP/STP-01
5	Oxygen (O ₂)	%	13.70	---	HTH/AP/STP-01
6	Total Non-Methyl Hydro Carbon (NMHC)	mg/Nm ³	23.90	100 Max	HTH/INS-02/STP-26

End of Report

Remarks : PM, NO₂ & CO value Corrected @ 15 % O₂.
 Emission Standards for Diesel Engines Engine Rating more than 0.1 MW (800 KW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 480 (E), dated 9th July, 2002.

Review by
 10/03/2025

17/03/2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

Page No.: 1 of 1

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 3. This report is only for your reference and not for legal purposes, commercial disputes and for advertisement. 4. Total liability of HTH Laboratories Pvt. Ltd. is limited to the amount of invoice only.
 5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified. 6. Sample not to be used by HTH unless otherwise specified.
 7. The results are valid only when used on its own test facility. Lab. does not confirm about it and hence does not bear any responsibility whatsoever.



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Web Site: www.hthlab.com, e-mail: haryanatesthouse@hthlab.com, testing@hthlab.com

DOC No. HTH/QF/7.8



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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310037 ULR No. : TC781125100012078F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description : Stack Emission Power Plant Mann (DG No. 1, 11.2 MW)
Type of Industry : Stainless Steel
Name of Plant/ Section : DG Section
Date of sampling : 07/03/2025
Capacity of DG : 11.2 MW
Source of Emission : Stack Attached to DG (Power Plant Mann)
Instrument used : Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of stack : Metal
Type of Fuel used : LSHS
Stack height (from the ground level) : 56 meter
Stack diameter (at the sampling point) : 1.7 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sampling Method : HTH/AP/SAP-02
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 327.0
- Temperature at Metering point, °C : 34.0
- Avg. stack gas velocity, m/sec : 5.63
- Sampling flow rate, Lt./min. : 21.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 21955.72

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	25.07	75 Max	IS 11255 (Part-I) : 1985
2	Nitrogen Dioxide (NO ₂)	mg/Nm ³	52.25	710 Max	HTH/AP/STP-01
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	53.02	-	HTH/AP/STP-01
4	Carbon Monoxide (CO)	mg/Nm ³	50.44	150 Max	HTH/AP/STP-01
5	Oxygen (O ₂)	%	14.20	---	HTH/AP/STP-01
6	Total Non-Methyl Hydro Carbon (NMHC)	mg/Nm ³	24.20	100 Max	HTH/INS-02/STP-26

End of Report

Remarks : PM, NO₂ & CO value Corrected @ 15 % O₂.

Emission Standards for Diesel Engines Engine Rating more than 0.8 MW (800 KW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 400 (E), dated 31 July, 2002.

Reviewed by
10/03/2025

10/03/2025
Mr. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

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 Web Site : www.hthlab.com, e-mail : haryanatesthousecs@gmail.com, testing@hthlabs.com

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TEST REPORT

Issued To: M/S Jindal Stainless Limited, Unit-Hot Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250310038 ULR No. : TC781125100012079F Party's Ref No. : Nil Booking Date : 10/03/2025 Period of Testing : 10/03/2025 To 17/03/2025 Reporting Date : 17/03/2025
--	--

Sample Description	: Stack Emission Power Plant Mann (DG No. 2, 11.2 MW)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: DG Section
Date of sampling	: 07/03/2025
Capacity of DG	: 11.2 MW
Source of Emission	: Stack Attached to DG (Power Plant Mann)
Instrument used	: Stack Sampler APM 160 (Sr.No. 88 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of stack	: Metal
Type of Fuel used	: LSHS
Stack height (from the ground level)	: 56 meter
Stack diameter (at the sampling point)	: 1.7 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sampling Method	: HTH/AP/SAP-02
Sample collected by	: By our Lab. Representative

A Observations

1. Stack gas temperature, °C	: 320.0
2. Temperature at Metering point, °C	: 34.0
3. Avg. stack gas velocity, m/sec	: 5.60
4. Sampling flow rate, Lt./min.	: 21.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 22096.52

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	28.15	75 Max	IS 11255 (Part-II) : 1985
2	Nitrogen Dioxide (NO ₂)	mg/Nm ³	34.25	710 Max	HTH/AP/STP-01
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	54.65	-	HTH/AP/STP-01
4	Carbon Monoxide (CO)	mg/Nm ³	53.03	150 Max	HTH/AP/STP-01
5	Oxygen (O ₂)	%	14.40	---	HTH/AP/STP-01
6	Total Non-Methyl Hydro Carbon (NMHC)	mg/Nm ³	25.36	100 Max	HTH/INS 02/STP-26

End of Report

Remarks : PM, NO₂ & CO value Corrected @ 15 % O₂.
 Emission Standards for Diesel Engines Engine Rating more than 0.8 MW (800 kW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 459 (E), dated 30/07/2002.

Review by
 17.03.2025

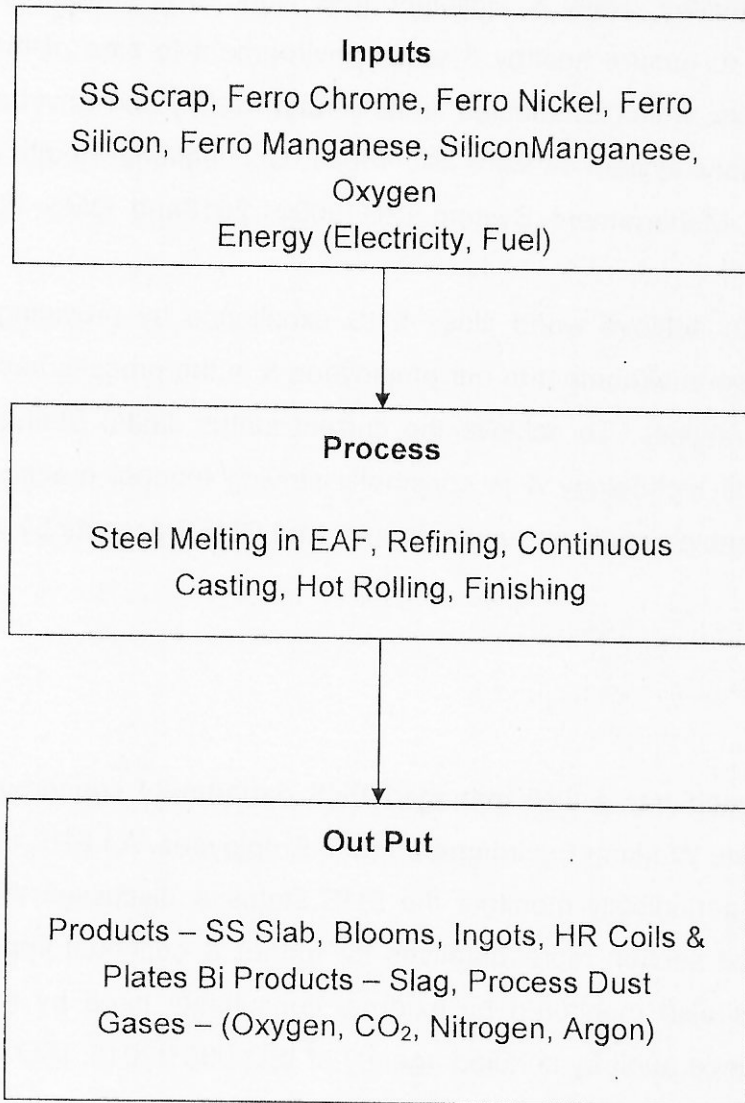
Md. Asfak Ansari
 Sr. Manager (Env.)

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 5. Sample will remain the property of HTH unless otherwise specified.
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 7. The details mentioned in this report are the responsibility of the client and HTH does not accept any liability whatsoever.

Annexure –II

Material Balance Flow Chart
At
Hot Rolling Division, Jindal Stainless Hisar



Annexure – III

Environment Management

Jindal Stainless Limited is the ISO 9001:2015, ISO 14001:2015, ISO 50001:2018 and ISO 45001:2018 certified Company. Jindal Stainless Limited management is very conscious about maintaining Healthy, Safe & Pollution free work environment. It has always recognized the need to ensure healthy & clean environment to care of the employees & surrounding community, which is reflected, in its Health, Safety and Environment Policy. A well-defined World Class system on EMS ISO-14001, Occupational Health and Safety ISO 45001:2018, Energy Management System ISO 50001:2018 and QMS ISO-9001 are in place.

We are committed to achieve world class EHS excellence by providing pollution free, healthy & safe working environment to our employees & in the process has attained global standards of EHS practices. To achieve the current status Jindal Stainless Limited has regularly upgraded its technology & is constantly striving to adopt practices & processes that preclude undesirable impact on environmental and OH&S aspects by way of TPM and Six Sigma.

EHS Department

Jindal Stainless Limited has a well managed EHS department concerning the providing pollution free and Safe Working Environment to the Employees. An EHS team is organized in the plant, which periodically monitors the EHS status & discusses the related issues along with concerned section representatives for further & continual improvements. EHS status of the unit is also monitored by external consultants hired by the unit and also periodically surveillance audit by certified agency of ISO 9001:2015, ISO 14001:2015, ISO 50001:2018 and ISO 45001:2018 & TPM Consultants.



Environment Monitoring Facilities

Jindal Stainless Limited has a well equipped laboratory for Environmental Parameter monitoring. All Concerning equipments related to water and Waste water Monitoring, Ambient Air Monitoring, Stack Gas Monitoring, Noise Monitoring, Shop Floor Monitoring, Lux Level Monitoring is available within the Laboratory. Following equipments are available with laboratory- Digital pH meter, Digital Conductivity meter, Nephelometer, Spectrophotometer, Flame photometer, BOD Incubator, Oven, Jar Test Apparatus, Respirable Dust Sampler, High Volume Sampler, Stack Monitoring Kit, Flue Gas Analyzer, Noise Level Meter, and Indoor Air Samplers.


The various Environmental parameters are analyzed as per the schedule given in the ISO - 14001 documents and logbook is maintained.

Besides this we have Continuous Emission Monitoring System on Stack Emission for continuous monitoring of emissions.

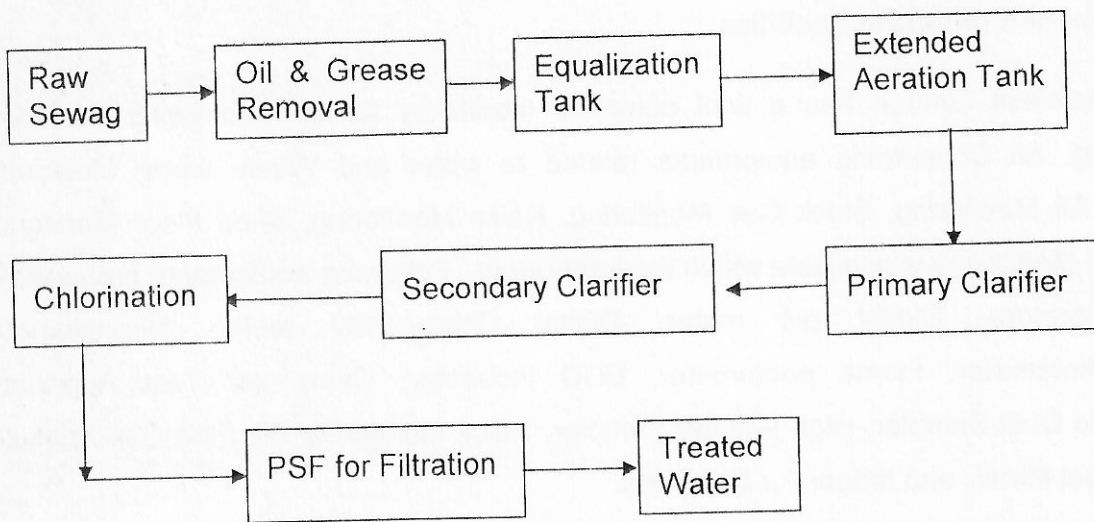
Waste Water Treatment Facility

Jindal Stainless Limited has well equipped Waste Water Treatment Facility. A Reverse Osmosis Pant with treatment capacity of 135m³/hr X 2 streams is installed for taking care of waste water. The Sewage generated in Residential Colonies, Office Complex, Canteen and Industry premises is treated in Sewage Treatment Plant (STP) with a treatment capacity of 1500 m³/day. The Treated water is further polished in RO plant and used for Industrial and Horticulture Purpose.

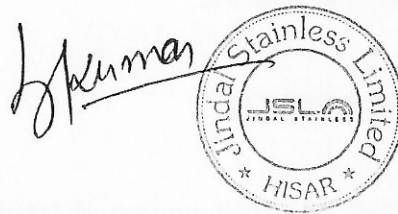
S. Kumar



The stamp is circular with a double border. The outer ring contains the text "Jindal Stainless Limited" at the top and "HJSAR" at the bottom, separated by two small stars. In the center of the stamp, there is a logo consisting of the letters "JSL" above a stylized wave or gear-like shape.

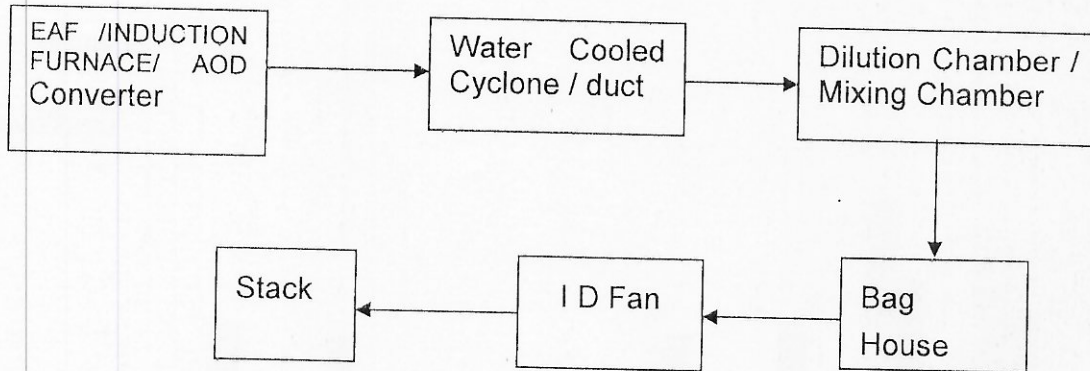


Sewage Treatment Plant



Air Pollution Control Systems

All units are equipped with well designed Air Pollution Control Devices. Steel Melting Shops are equipped with Primary & Secondary bag filtration system with adequate capacity. Bag House (Air Pollution Control System) based on most modern technology with fully automatic PLC operated system.



Air Pollution Control Device at Steel Melting Shop

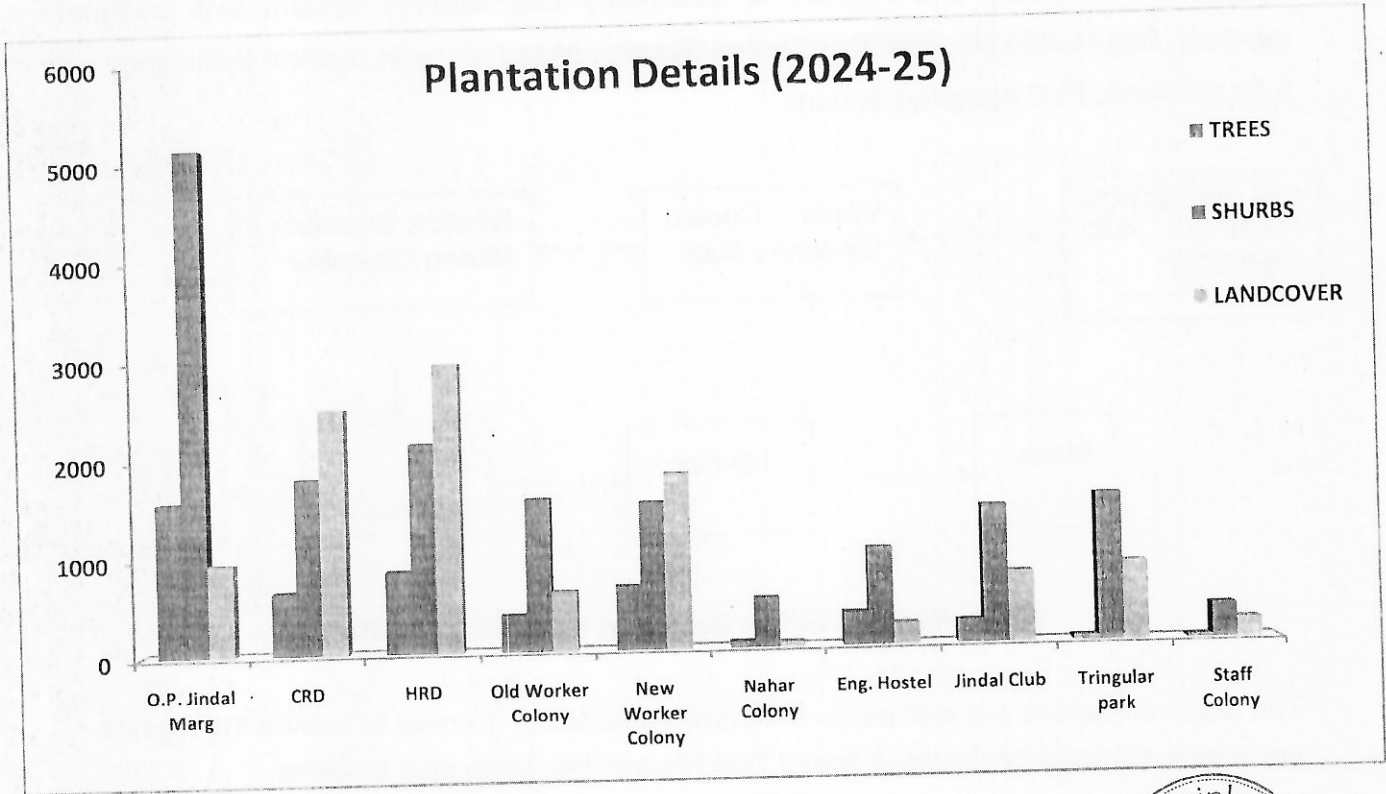
The Stack emissions are well below the permissible limits. Further to control the fugitive emissions, German Technology based Dog Houses has been also installed.

Environmental Awareness & Training Programs

Jindal Stainless Limited is very conscious for the Environment Management and Awareness. Various time to time training programs are organized by company to aware the stakeholders regarding Environment Management. A training schedule/calendar has been prepared for training, which covers all topics related to environment as per the need of the employee. All new incumbents including contract workmen are imparted Environment, Health & Safety Induction and Orientation Training before inducting them into the job to make them familiar with safety management system of the organization. Specialized workshop on various EHS management techniques/ systems with the help of external agency are also organized as per the training calendar.

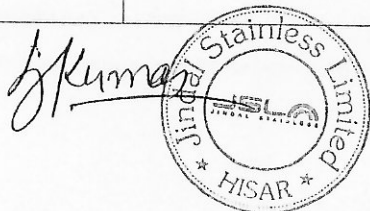


Green Belt Development

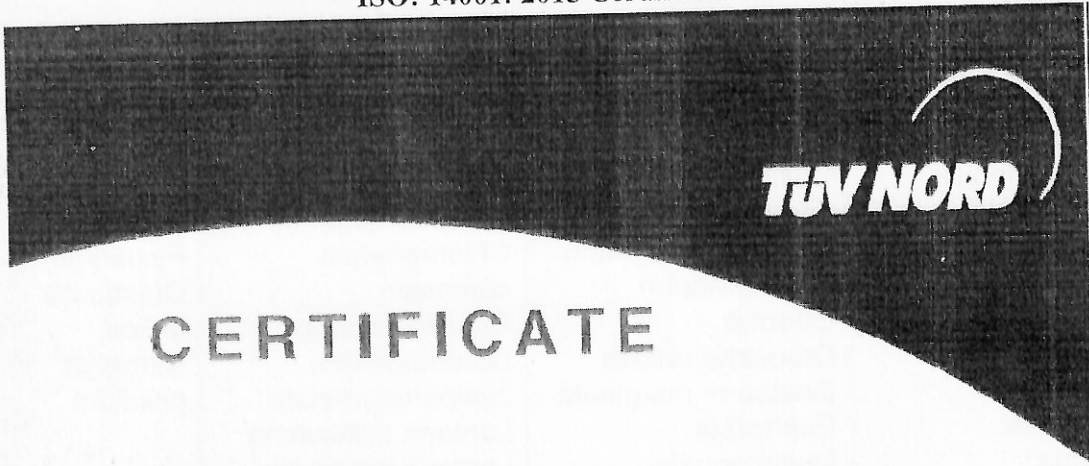


Species of Plants grown

PLANTATION SPECIES (TREES)	SHRUBS	GROUNDS COVERS	CUMBERS	PALMS
AlstoniaSchjolaris Acacia Auriculiformis AzadirachataIndica Ailanthus excelsa Bauhinia Verigata Bauhinia purpurea Dalbergio sissoo Cassia Fistula Cassia nodosa Cassia siamia Callistemon Lenceolanus Ceiba pentandra Chorisea speciosa Erythrina Indica Jacaranda Mimusaefolia Lagerstromia speciosa Plumeria alba Tabebuia spectabilis Tabebuia argantea Spathodia compamials Ficus ratusa Ficus banjamin Ficus infectoria Grevilia robusta Peltophorum ferruginum Polithia Longifolia Aegle marmeloes Eugenia jambolana Psidium guava Mangifera indica Morus alba Tamarindusindica	Bauhinia tomentasa Callindra brevipes Callindra haematocephala Cestrum nocturnum Clerodendrum innerme. Draceana reflexa Draceana margineta Euphorbia leucocephata Euphorbia cotinifolia Eranthimun nigrum Ficus panda Galphimia nitida Hamelia patens Hibiscus species Lxora singaporensis Jatropha pandarafolia Murrya exotica Plumbego auriculata Schefflera arboricola Ticoma stans Nerium olender Thevetia nerifolia Crotons Tacomagaudichaudi	Altemanthera (Green) Altemanthera (Red)\ Crassula argentia Chlorophytum comosum Cupheaminiata Durontagolden Juniperusprostate Lantana sellowiana Lantana depressa Ophiopogom jaburan Tradescantia zebrine Wedeliatriobata	Bougainvillea species Clorodendron splendens Ficusrepens Quisqualis indica Vernonia pasiflora	Roystonea regia Phonixsylv stris Fan palm Raphiasex celsa Cycus revolute Thorinx palm Royal palm Areca palm



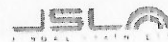
ISO: 14001: 2015 Certificate



Management system as per
ISO 14001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that

JINDAL STAINLESS (HISAR) LIMITED
HOT ROLLING DIVISION
O.P. Jindal Marg, Hisar-125 005,
Haryana,
India
and other location as per sub-certificate



applies a management system in line with the above standard for the following scope

**Manufacture and Dispatch of Hot Rolled Stainless Steel Flat Products
and Cold Rolled Non-Ferrous Alloys' Coils & Sheets.**

Certificate Registration No. 44 104 084037/01
Audit Report No. 2.5-3776/2007

Valid until 16.02.2023
Valid from 17.02.2020
Initial Certification 19.02.2008

S.K. Kulkarni

Certification Body
at TÜV NORD CERT GmbH

Issue 07.02.2020
Place : Mumbai

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstrasse 20 45141 Essen www.tuv-nord-cert.com

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg Ghalkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in



ISO 45001: 2018 Certificate



CERTIFICATE

Management system as per
ISO 45001 : 2018

In accordance with TÜV NORD CERT procedures, it is hereby certified that

JINDAL STAINLESS (HISAR) LIMITED
(HOT ROLLING DIVISION)
O.P. Jindal Marg, Hisar - 125 005,
Haryana,
India
and other location as per sub-certificate



applies a management system in line with the above standard for the following scope

**Manufacture and Dispatch of Hot Rolled Stainless Steel Flat Products
and Cold Rolled Non-Ferrous Alloys' Coils & Sheets**

Certificate Registration No. 44 126 077570
Audit Report No. 2.5-3776/2007

Valid until 16.02.2023
Initial certification 2008 (BS OHSAS 18001)

S. K. Kulkarni

Certification Body
at TÜV NORD CERT GmbH

Mumbai, 08.08.2020

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular Surveillance Audits.

TÜV NORD CERT GmbH Langemarckstrasse 20 45141 Essen www.tuev-nord-cert.com

TÜV India Pvt. Ltd. 301 Raheja Plaza - 1, L.B.S. Marg, Ghatkopar (W) Mumbai - 400 085 India www.tuv-nord.com/in



DAkkS
Deutscher
Akkreditationsrat
D-26111 Bielefeld

ISO 9001: 2015 Certificate



CERTIFICATE

Management system as per
ISO 9001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that

JINDAL STAINLESS (HISAR) LIMITED
HOT ROLLING DIVISION
O.P. Jindal Marg, Hisar-125 005,
Haryana,
India
and other location as per sub-certificate



applies a management system in line with the above standard for the following scope

**Manufacture and Supply of Hot Rolled Stainless Steel Flat & Long Products
and Cold Rolled Non-Ferrous Alloys' Coils & Sheets.**

Certificate Registration No.44 100 084037/01
Audit Report No. 2.5-3776/2007

Valid until 16.02.2023
Valid from 17.02.2020
Initial Certification 19.02.2008

Certification Body
at TÜV NORD CERT GmbH

Issue 07.02.2020
Place : Mumbai

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH

Langemarckstrasse 20

45141 Essen

www.tuev-nord-cert.com

TUV India Pvt. Ltd., B01, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 085, India

www.tuv-nord.com/in



DAKKS

Deutsche
Akkreditierungsstelle
D-28119 01 00

ISO 50001: 2018 Certificate



Management system as per
ISO 50001: 2018

In accordance with TÜV INDIA procedures, it is hereby certified that

JINDAL STAINLESS (HISAR) LIMITED
(HR & CR DIVISION)
O. P. Jindal Marg,
Hisar - 125 005, Haryana,
India



applies a management system in line with the above standard for the following scope

Manufacture of Hot Rolled and Cold Rolled Stainless Steel Products.

Certificate Registration No. ENMS 04 00003
Audit Report No. Q 9507/2019

Valid until 24.04.2022

Certification Body
at TÜV INDIA PVT. LTD.

Issue 25.04.2019
Place : Mumbai

This certification was conducted in accordance with the TÜV INDIA auditing and certification procedures & shall be valid subject to regular Surveillance Audits.

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India cert_helpdesk@tuvindia.co.in



