

o/c



JSL/HSPCB/CR/2025/ 270

24th September 2025

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

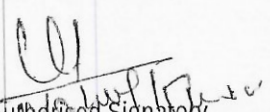
Subject: - Submission of Environment statement in the form -V for the period from 01st April, 2024 to 31st March, 2025 (FY 2024-25) under the Environment Protection Act, 1986.

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,
(Cold Rolling Division)


Authorised Signatory

Enclosed: As above

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

562


24.9.25
Haryana State Pollution Control Board
Bays No. B-7 & 8, Urban Estate - II
Hisar - 125005



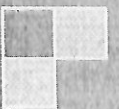
2024-25

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,
(Cold Rolling Division)
OP Jindal Marg, Hisar (Haryana)

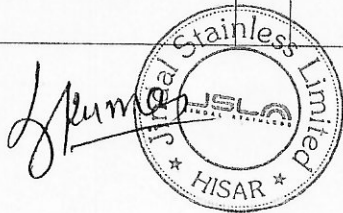


(FORM - V)
(See rule - 14)

**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, (Cold Rolling Division) O. P. Jindal Marg, Hisar-125005
2.	Industry category	:	Red
	Prime ----- (STC Code)	:	-----
	Secondary ----- (SIC Code)	:	3312
3.	Production Capacity Unit		
	Cold Rolled Strips (CRAP) (MT/Day)	:	1100
	Hot Rolled strips (HRAP) (MT/Day)	:	400
	Cold Rolled Special Steel (SPD)(MT/Day)	:	80
	Stainless Steel Precision Strip(MT/Day)	:	95
	Coin Blanks (MT/Day)	:	25
	Green Hydrogen (90Nm3/hr)Number/day	:	90
4.	Year of establishment	:	1980
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	: 1998 M ³ /Day (Approx.)
Cooling	: 1280 M ³ /Day (Approx.)
Domestic	: 119 M ³ /Day (Approx.)
Lawn & Gardening	: 30 M ³ /Day (Approx.)

B) Specific Water consumption (M³/MT)

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.	CRAP-M3/MT	2.33	2.43
2.	SPD-M3/MT	3.87	4.58
3.	Coin-M3/MT	1.86	1.21
4.	HRAP-M3/MT	1.09	1.12

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	Hot Rolled Strips/ SS Plates	Cold rolled Strips & Coils of Stainless steel,	453545.17	123931.20
2	Cold Rolled Strips/ SS Plates		88685.40	71736.24
3	Raw Material - Others		920.67	---
4	Ammonia		2718.04	2487.07
5	Nitric Acid		10952.64	8136.71



6	Sulphuric Acid	Special	777.27	760.24
7	Hydroflouric Acid	Steel, Blank Coins	1506.89	4505.56

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.	Cold rolled Coils- CR Strip (KWH/MT)	296.8	314.7
2.	Cold rolled Coils- SP Strip (KWH/MT)	1010.7	975.9

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

4. Fuel Consumption:

A. Fuel Oil:

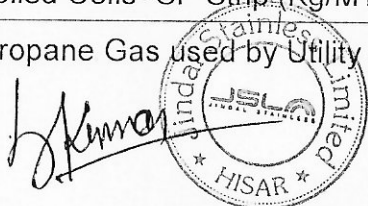
Sr. No.	Name of Products	Process Power consumption per unit of product output.	
		During the previous Financial Year	During the current Financial Year
1.	Cold rolled Coils- CR Strip (L/MT)	6.0	5.7
2.	Cold rolled Coils- SP Strip (L/MT)	16.6	14.09

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.	Cold rolled Coils- CR Strip (Kg/MT)	49.8	51.1
2.	Cold rolled Coils- SP Strip (Kg/MT)	31.7	29.7

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

The image shows a handwritten signature in black ink over a circular stamp. The stamp contains the text 'JSL Limited' at the top, 'HISAR' at the bottom, and a star on either side of the word 'HISAR'. The signature appears to be 'J. Kumar'.



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 ETP

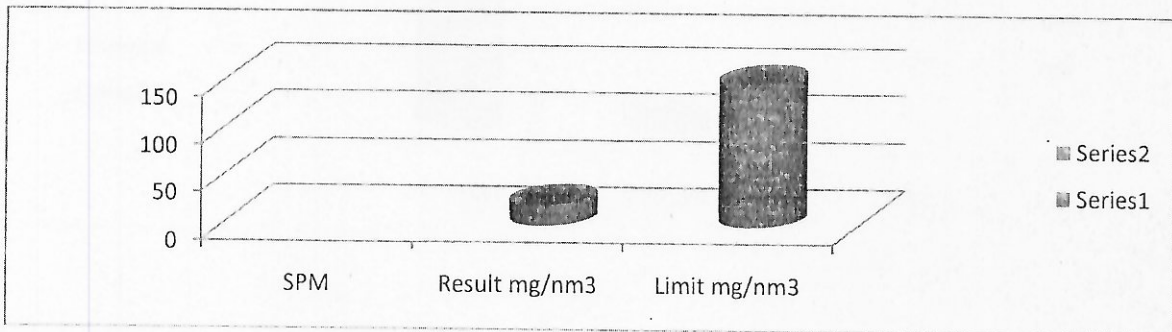
Pollutants	Quantity of pollutants discharged (Mass / day)	Concentration of Pollutants in discharges (Mass / volume)	% age of violation from prescribed standards with reasons
Water	We have installed 03 ETPs in our unit and are analyzing samples in our own laboratory set up in Environment Department. We 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.	Not Applicable	There is No Violation. Water is treated to a level better than permissible limits prescribed by concerned authorities i.e. CPCB.

**(B) Air Pollution Details
Mill (Z-IV)**

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	21.08	17.96	No deviations from standards prescribed.

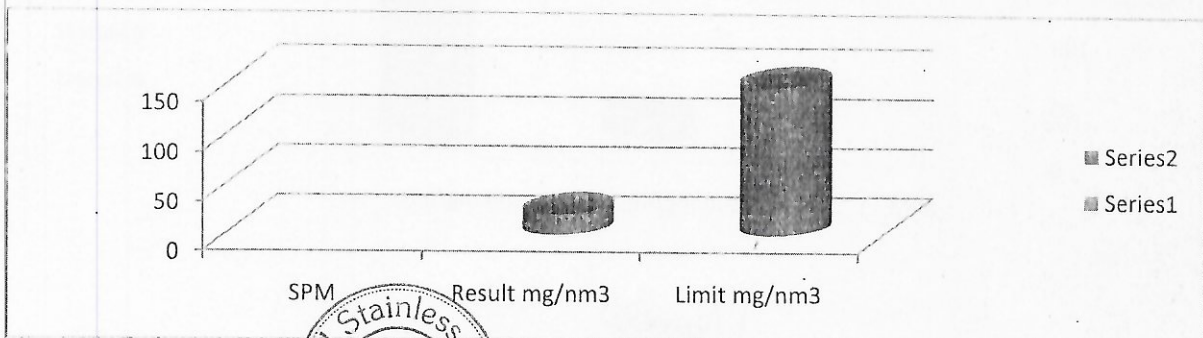
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313054 dated 13.03.2025(Annexure-A). Air Pollution control system equipped with latest Technology is controlling air Pollution.



AP-3 Acid pickling

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	26.14	17.95	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313036 dated 13.03.2025(Annexure-A). Air Pollution control system equipped with latest Technology is controlling air Pollution.

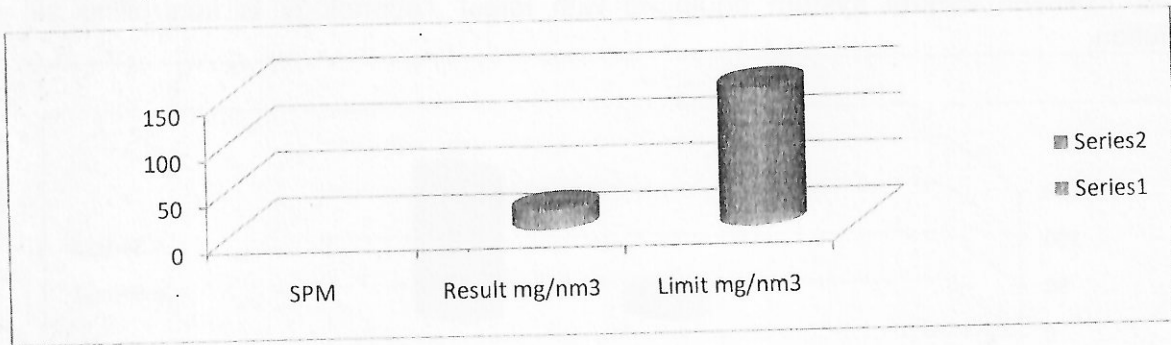


J. Kumar

Power Plant

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	34.22	58.02	No deviations from standards prescribed.

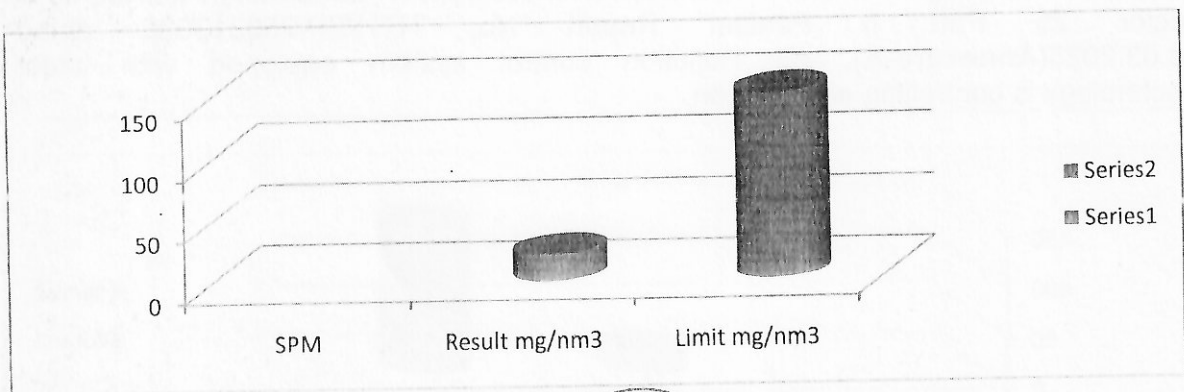
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313049 dated 13.03.2025(Annexure-A).



Z-4 Oil Cellar

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	17.30	8.00	No deviations from standards prescribed.

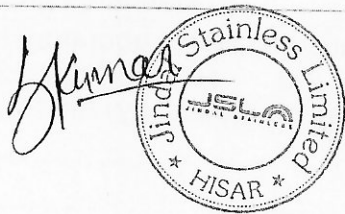
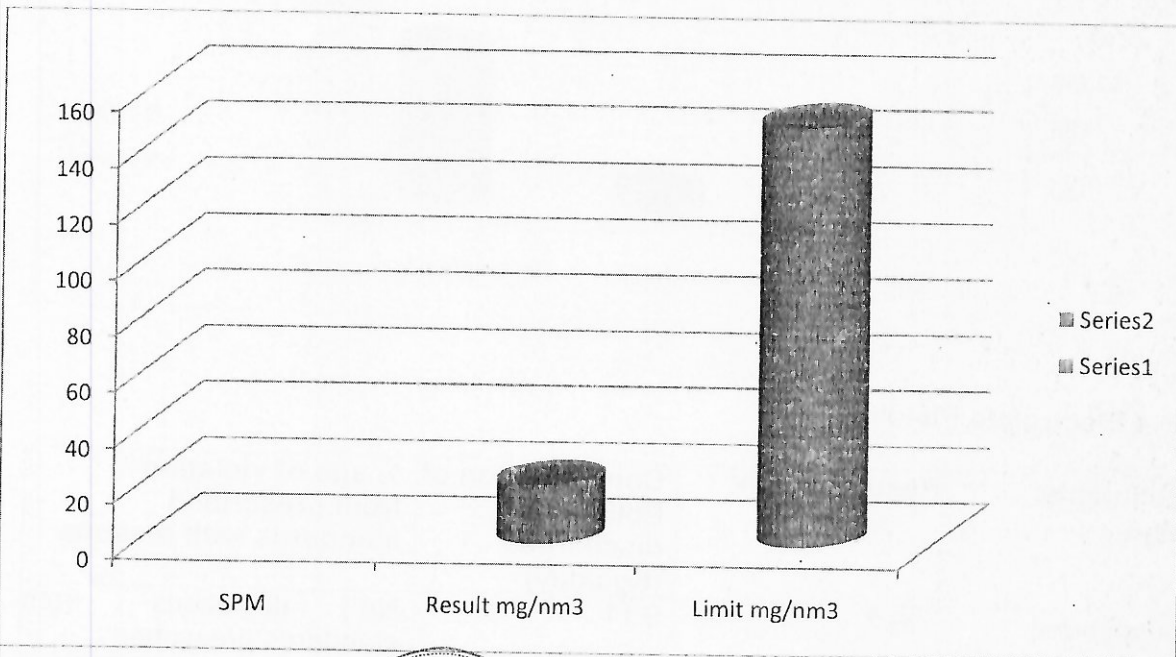
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313047 dated 13.03.2025(Annexure-A).



Boiler 6 TPH

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	52.95	42.77	No deviations from standards prescribed.

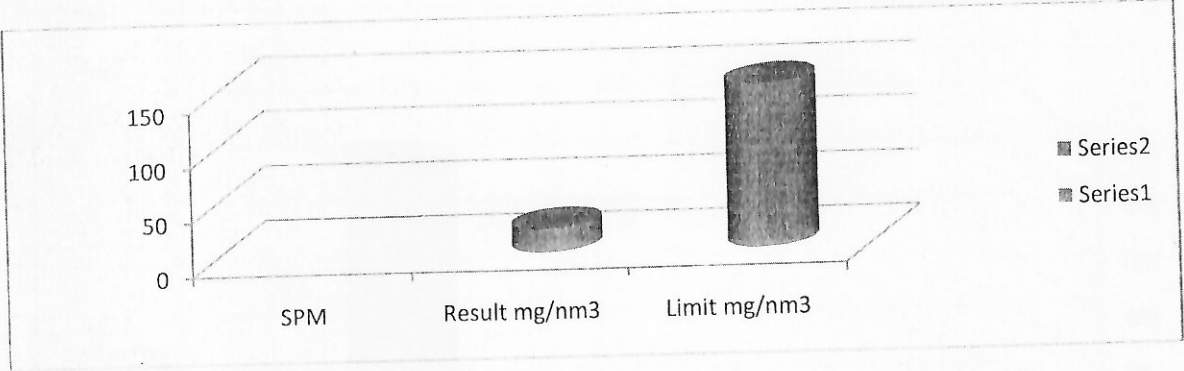
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313046 dated 13.03.2025(Annexure-A). Air Pollution control system equipped with latest Technology is controlling air Pollution.



AP-2 Electrolyte Pickling

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	27.25	3.51	No deviations from standards prescribed.

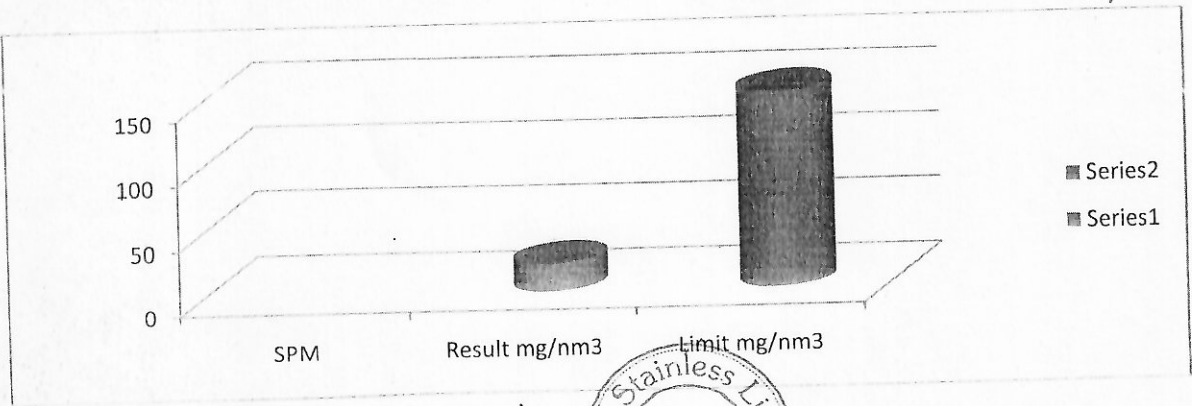
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313037 dated 13.03.2025(Annexure-A). Air Pollution control system equipped with latest Technology is controlling air Pollution.



AP-4 Electrolyte Pickling

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	28.2	9.11	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313035 dated 13.03.2025(Annexure-A). Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.

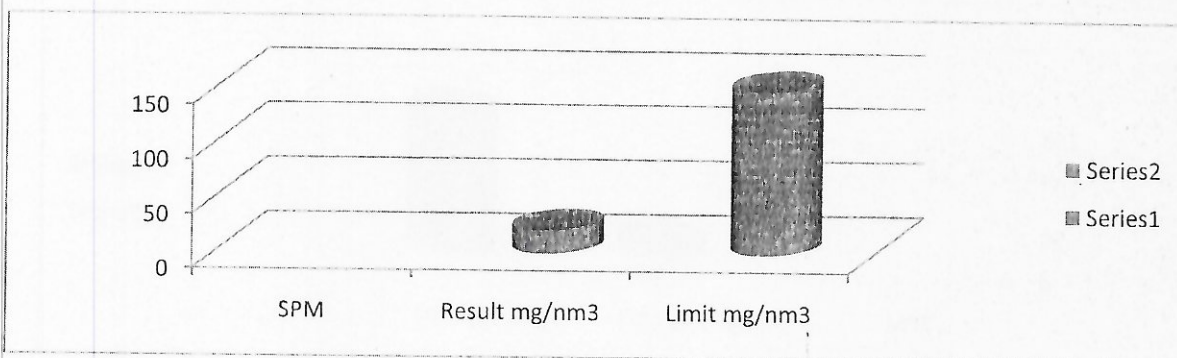


[Signature]
 Stainless Limited
 HISAR

Boiler 8 TPH

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	57.21	19.52	No deviations from standards prescribed.

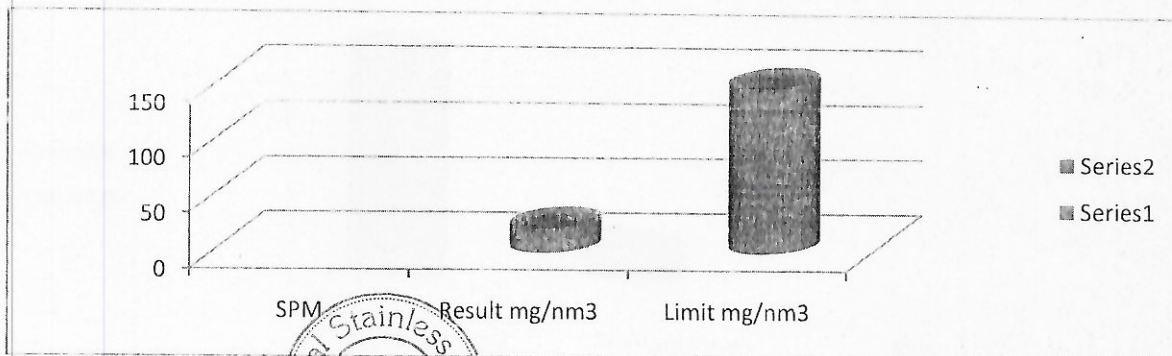
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313043 dated 13.03.2025(Annexure-A). Air Pollution control system equipped with latest Technology is controlling air Pollution.



Z-II 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	15.14	10.26	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313041 dated 13.03.2025(Annexure-A). Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



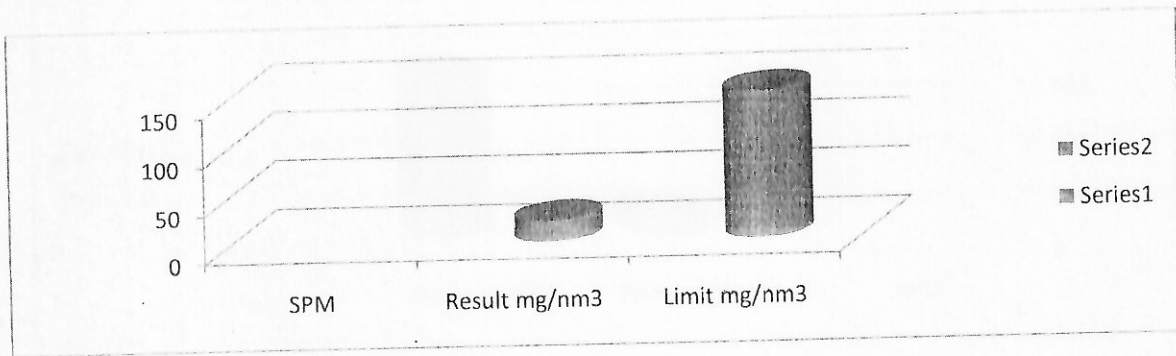
Signature

 JSL Stainless Limited
 HISAR

SGL

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	20.0	7.97	No deviations from standards prescribed.

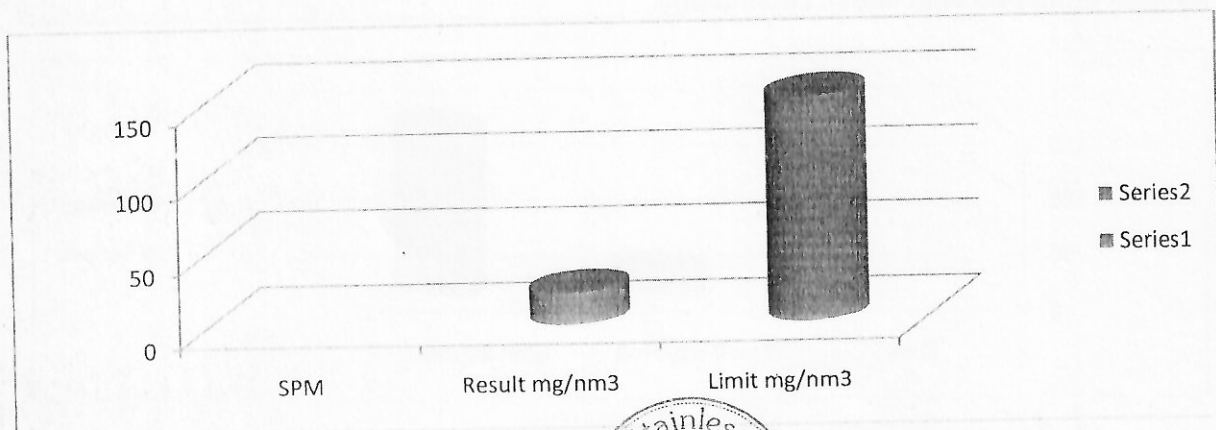
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313057 dated 13.03.2025(Annexure-A). Air Pollution control system equipped with latest Technology is controlling air Pollution.



Z-1 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	18.1	7.73	No deviations from standards prescribed.

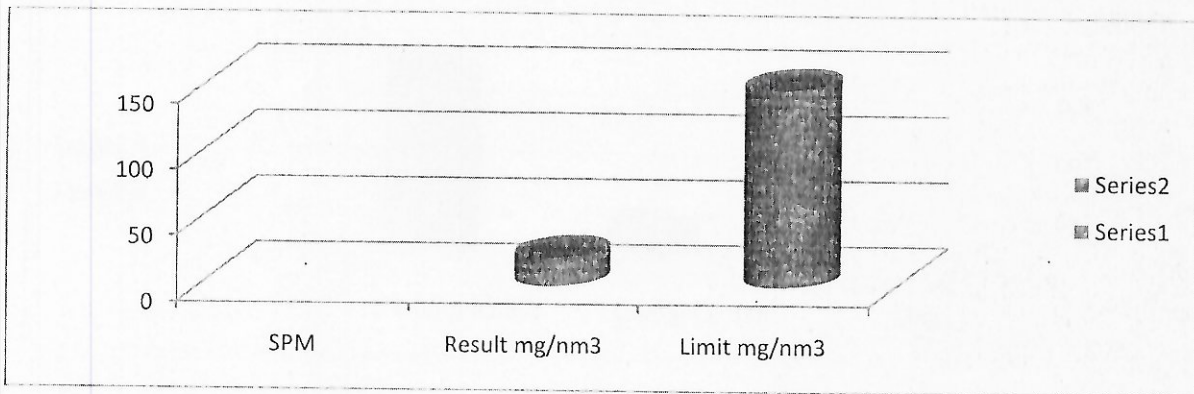
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313040 dated 13.03.2025(Annexure-A). Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



AP-2 Shot Blasting

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	25.15	8.89	No deviations from standards prescribed.

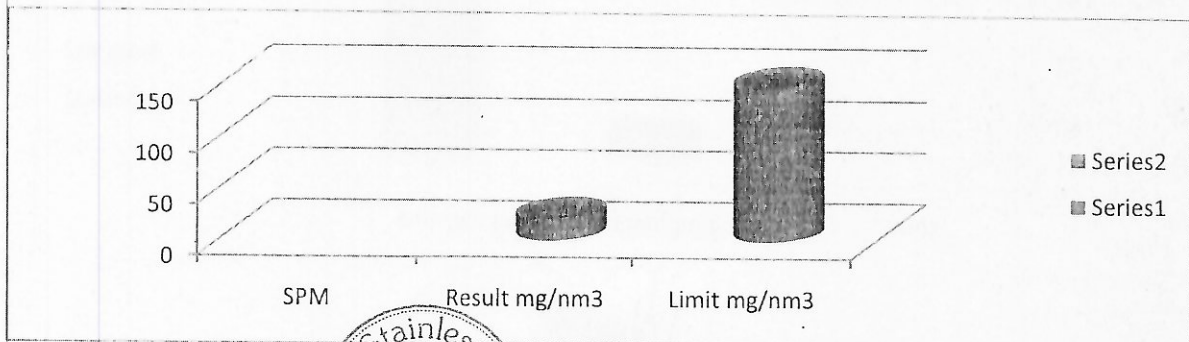
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313051 dated 13.03.2025(Annexure-A). Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



AP-2 Acid Pickling

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	9.48	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313034 dated 13.03.2025(Annexure-A). Air Pollution is being controlled by Air Pollution control system equipped with latest Technology.



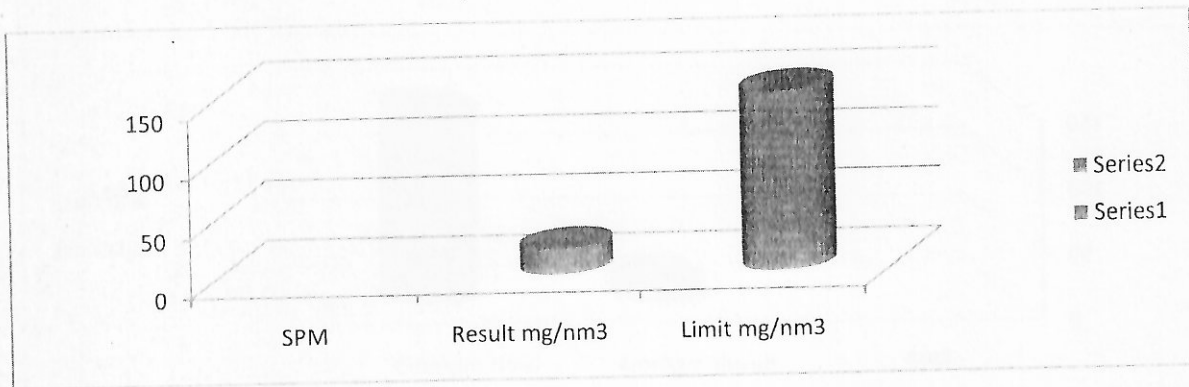
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Annealing Furnace

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	23.10	22.41	No deviations from standards prescribed.

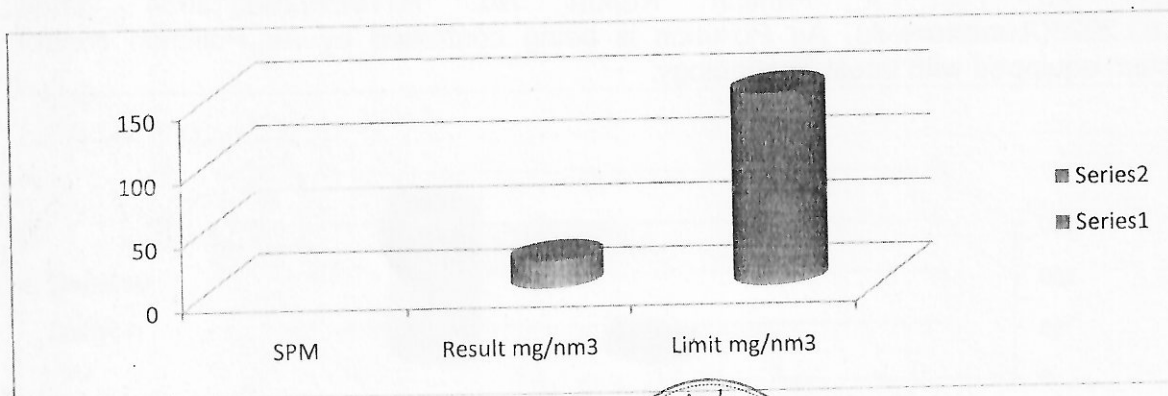
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313052 dated 13.03.2025(Annexure-A).



CRD-III Jet Cool Exhaust

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	24.2	172.18	No deviations from standards prescribed.

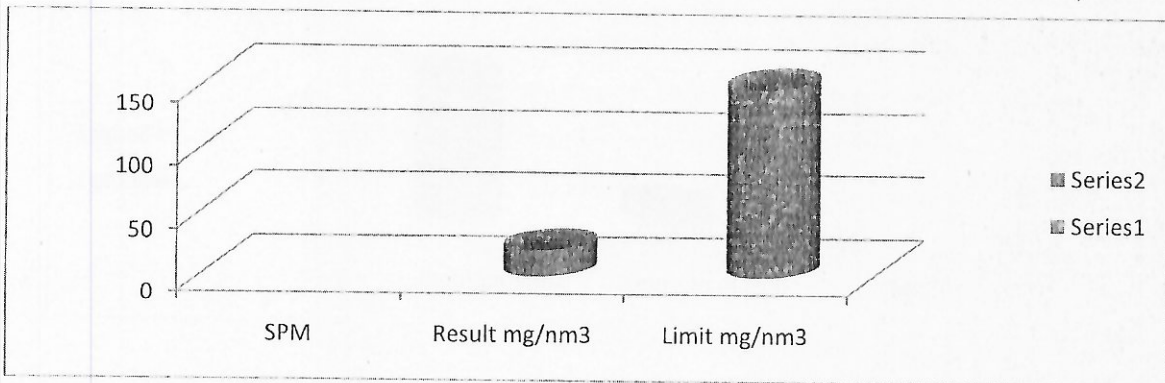
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313048 dated 13.03.2025(Annexure-A).



Z-III 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	21.08	9.99	No deviations from standards prescribed.

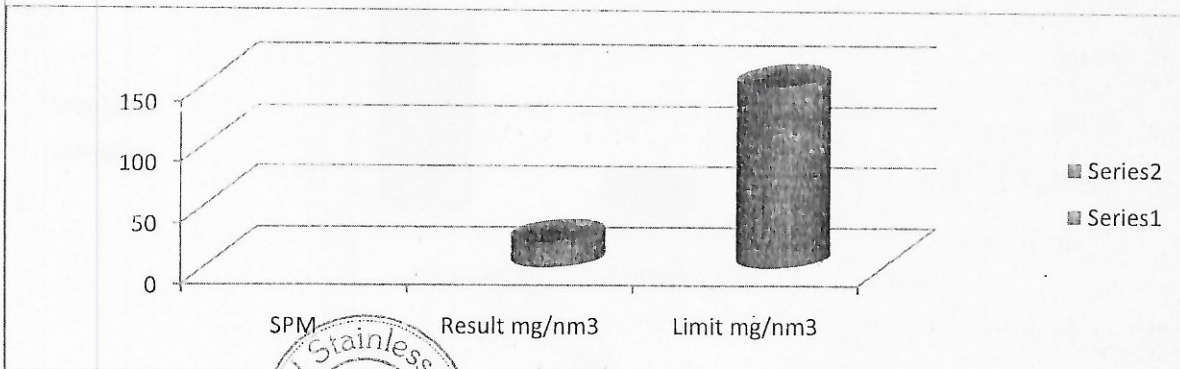
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313042 dated 13.03.2025(Annexure-A).



Degreasing

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	20.4	6.37	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313053 dated 13.03.2025(Annexure-A).

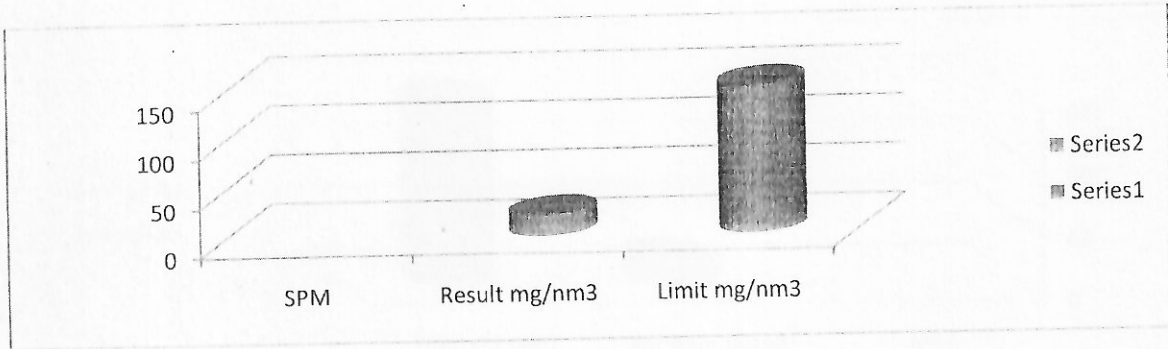


J. Kumar

PS 20 Hi 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	24.3	29.09	No deviations from standards prescribed.

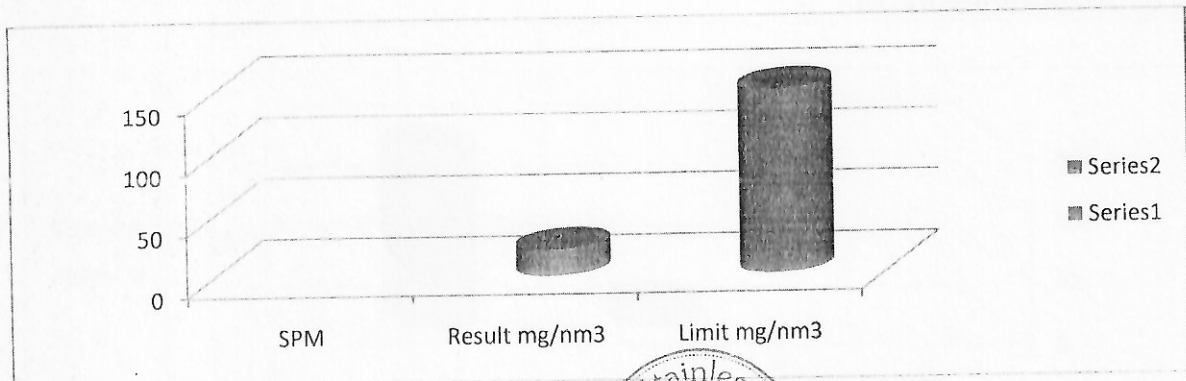
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313055 dated 13.03.2025(Annexure-A).



PS VBA Line

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	21.43	3.26	No deviations from standards prescribed.

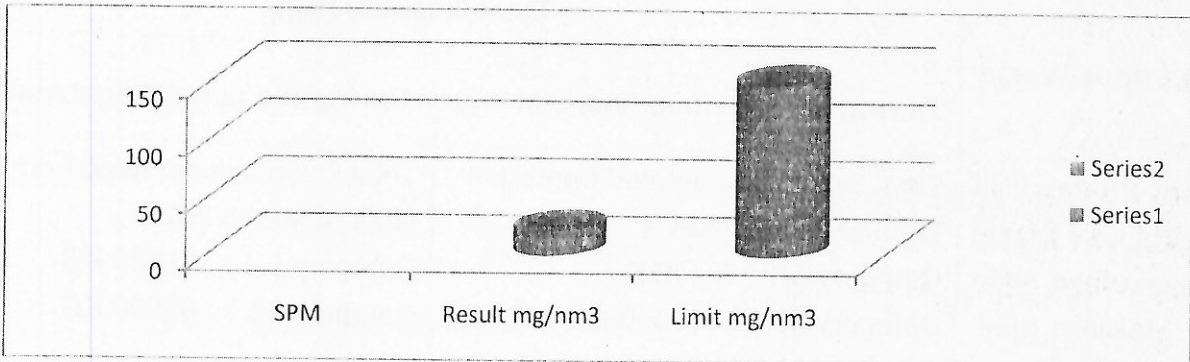
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313056 dated 13.03.2025(Annexure-A).



SPD VBA Line

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	2.91	No deviations from standards prescribed.

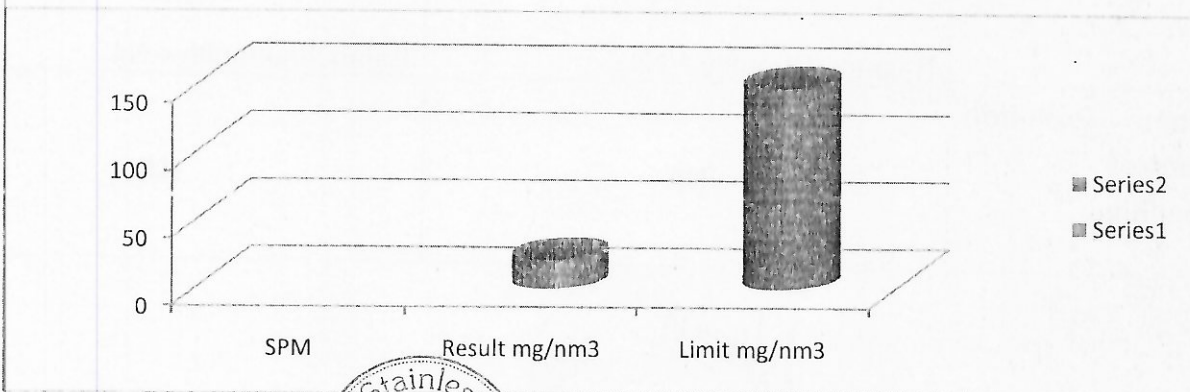
Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313058 dated 13.03.2025(Annexure-A).



AP-2 Annealing

Pollutants Mg/l	Results mg/m ³	Concentration of Pollutants discharged (Kgs/day)	% age of violation from prescribed standards with reasons
Suspended Particulate Matter	21.29	6.97	No deviations from standards prescribed.

Note: Data has been taken from Test Report issued by HTH Laboratory Plot No., 50 C sector 25 Part II Panipat Report No. HTH/EP/250313050 dated 13.03.2025(Annexure-A).



H. Kumar

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 : 92440 KG Category 33.1:53190 KG.</p> <p>Old Stock = Nil</p> <p>Category 5.1(Spent Oil) Sold to Authorized Recycler = 92440 KG.</p> <p>Category 33.1 (Empty barrels/ containers /liners contaminated with hazardous chemicals /wastes) Sold to Authorized Recycler:53190 KG.</p> <p>Balance Quantity = Nil</p>	<p>Total Quantity generated from April 2024 to March 2025= Category 5.1 : 92920 KG Category 33.1 : 65980 KG</p> <p>Old Stock = Nil</p> <p>Category 5.1(Spent Oil) Sold to Authorized Recycler = 92920 KG</p> <p>Category 33.1 (Empty barrels/ containers /liners contaminated with hazardous chemicals /wastes) Sold to Authorized Recycler : 65980 KG</p> <p>Balance Quantity= Nil</p>
<p>From Pollution Control Facilities:</p>	<p>NA</p>	<p>NA</p>

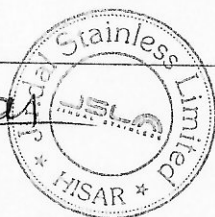


PART – E

SOLID WASTE

Solid Waste	Total Quantity (Kg)	
	During the previous financial Year	During the current financial Year
From Process: Neutralized Cake	Approx. 868 MT / Month	Approx. 878 MT/ Month
From Pollution Control facilities:	Quench scale which is 100 % recycle in SAF for metal recovery	
Quantity recycled or re-utilized within the unit	After neutralization of acid waste with lime, the neutralized chemical slurry is passed through Filter Press and this solid neutralized cake is sent to SAF Plant for recovery of metal.	
Sold	Nil	
Disposed	Nil	

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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 = 3750 KG Old Stock = Nil Total Quantity Sold to Authorized Recycler = 3750 KG Balance Quantity = Nil	Total Quantity generated from April 2024 to March 2025 = Nil Old Stock = Nil Total Quantity Sold to Authorized Recycler = Nil Balance Quantity = Nil

E- Waste:

As specified under E-Waste (Management and Handling) Amendment Rules, 2022, the details of E-waste 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 Each Balance Quantity = Nil	Total Quantity generated from April 2024 to March 2025 E-Waste (IT , Electrical & Electronics) = 1.770 MT Old Stock = Nil Total Quantity Sold to Authorized Recycler = 1.770 MT


M/s. Stanley's Limited
HISAR

		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 2024 = 31.768 KG Old Stock = Nil Total Quantity given to Authorized Recycler = 31.768 KG Balance Quantity = Nil	Total Quantity generated from Jan 2024 to Dec. 2024 = 28.53 KG Old Stock = Nil Total Quantity given to Authorized Recycler = 28.53KG 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.

Neutralized Cake: After neutralization of acid waste with lime, the neutralized chemical slurry is passed through Filter Press and this solid neutralized cake is reused / recycles in the plant.

[Handwritten Signature]


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.
- Neutralized sludge is reused / recycles in the plant for metal recovery at SAF plant.
- All scrap material is collected and send back to the process.
- Green Belt Development to increase green canopy cover in and around the Jindal Stainless Limited premises.

S. Kumar



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.
- Installed Scanacon's Acid Management System to optimize our acid-metal processes with continuous acid-metal separation, maintaining acid concentrations through analysis and additions, suspended solids removal, process circulation and acid recovery system with the closed-loop pickling. This system results in:
 - Reduced waste-water treatment plant chemicals consumption.
 - Reduce fresh acid consumption.
 - Reduced rinsing water consumption.
- 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. De NOx System for Air pollution Control / SAF / Rain Water Harvesting Projects implemented.

PART – I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT.

- At Jindal Stainless Limited, the possible areas of resource conservation and the source of Pollutants are identified, assessed and subsequently proper arrangements for their control are incorporated. Some actions taken in direction to improve the quality of Environment.
- 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.

H. Kumar



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 hot Rolled SS Coils.

b. Cleaner Technology

- Use of LPG/Propane instead of oil 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:

Various certifications taken by industry are attached herewith as Annexure – V

- Copy of ISO-14001:2015 Certificate
- Copy of ISO-9001:2015 Certificate
- Copy of ISO:45001:2018 Certificate
- Copy of ISO: 50001:2018 Certificate



Annexure-A



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TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250318054 ULR No. : TC781125100012189F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
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Sample Description : Stack Emission (CRD-2 Z-4 Mill)
Type of Industry : Stainless Steel
Name of Plant/ Section : CRD 2 Z-4 Mill
Date of sampling : 12/03/2025
Source of Emission : Stack Attached to CRD 2 -Z-4 Mill
Instrument used : Stack Sampler APM 150 (Sr. No. 87 DTI 2016)
Instrument Calibration Status : Calibrated (upto 15.12.2025)
Type of Chimney : Metal
Type of Fuel used : NS
Stack height (from the ground level) : 110 feet
Stack diameter (at the sampling point) : 16 inch
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 38.0
- Temperature at Metering point, °C : 30.0
- Avg. stack gas velocity, m/sec : 6.41
- Sampling flow rate, Lt./min. : 28.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 16801.76

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	21.08	150 Max	IS 11255 (Part-II) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09		HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	18.91		HTH/AP/STP-01

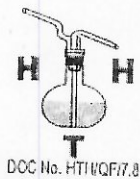
End of Report

13/03/2025
 Review by

13/03/2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

Page No.: 1 of 1

Note: 1. This report is valid only for sampling done in wide or impact and can not be used as an evidence in the court of law. 2. The results contained in this test report pertain only to the sample tested and for the only lot.
 3. This report is only for your reference and not for legal purposes, commercial decision, and for advertisement. 4. The liability of HTH Laboratories Pvt. Ltd. is limited to the amount received only.
 5. Standard methods are used unless otherwise stated in the case of some of the test methods allowing specified. 5. Sample collection by HTH Labs. (if otherwise specified).
 7. The report is valid for one year unless otherwise specified. HTH Labs. does not confirm period and hence does not take any responsibility whatsoever.



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TEST REPORT

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Sample Description : Stack Emission (CRD- 2, AP- 3 Acid Pick
Type of Industry : Stainless Steel
Name of Plant/ Section : CRD- 2, AP-3 Acid Pickling
Date of sampling : 10/03/2025
Source of Emission : Stack Attached to CRD- 2, AP-3 Acid Pickling
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 : LPG
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 : 172.0
- Temperature at Metering point, °C : 29.0
- Avg. stack gas velocity, m/sec : 7.03
- Sampling flow rate, Lt./min. : 20.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 18544.49

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	26.14	150 Max	IS 11255 (Part-I) : 1995
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

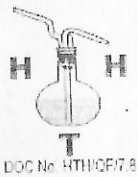
End of Report

[Signature]
13/03/2025
Review by

[Signature]
13/03/2025
Md. Asfak Ansari
Sr. Manager (Env.)

Page No. : 1 of 1

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 Web Site: www.hthlabs.com, e-mail: haryana@hthlabs.com, testing@hthlabs.com



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TEST REPORT

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---	--

Sample Description	: Stack Emission (DG, 6 + 6 MW, CRD POWER PLANT)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: DG Section (DG, 6 + 6 MW, CRD POWER PLANT)
Date of sampling	: 12/03/2025
Capacity of Boiler	: 6 + 6 MW
Source of Emission	: Stack Attached to DG, 6 + 6 MW, CRD POWER PLANT
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	: LSMS
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
Sample collected by	: By our Lab. Representative
Sampling Method	: HTH/AP/SAP-02
Type of APCM	: NA

A Observations

1. Stack gas temperature, °C	: 240.0
2. Temperature at Metering point, °C	: 30.0
3. Avg. stack gas velocity, m/sec	: 8.65
4. Sampling flow rate, lt./min.	: 21.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ /Hr	: 39724.07

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	34.22	75 Max	IS 11255 (Part-I): 1995
2	Nitrogen Dioxide (NO ₂)	mg/Nm ³	172.08	710 Max	HTH/AP/STP-01
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	58.50	-	HTH/AP/STP-01
4	Carbon Monoxide (CO)	mg/Nm ³	52.23	150 Max	HTH/AP/STP-01
5	Oxygen (O ₂)	%	14.30	---	HTH/AP/STP-01
6	Total Non-Methyl Hydro Carbon (NMHC)	mg/Nm ³	23.41	100 Max	HTH/IN5-02/STP-26

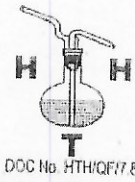
End of Report

Remarks : Particulate Matter Collected @ 15 % O₂

Review by
 19.03.2025

Md. Asfak Ansari
 19.03.2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

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---	--

Sample Description	: Stack Emission (CRD-2, Z-4 Oil Cellar Fume Exhaust)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: CRD-2, Z-4 Oil Cellar Fume Exhaust
Date of sampling	: 11/03/2025
Source of Emission	: Stack Attached to CRD-2, Z-4 Oil Cellar Fume Exhaust
Instrument used	: Stack Sampler APM 160 (Sr.No. B7 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)	: 30 meter
Stack diameter (at the sampling point)	: 1 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	: 30.0
2. Temperature at Metering point, °C	: 29.0
3. Avg. stack gas velocity, m/sec	: 6.82
4. Sampling flow rate, Lt./min.	: 13.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 18349.43

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	17.30	150 Max	IS 11255 (Part-I): 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	15.74	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	11.29	-	HTH/AP/STP-01

End of Report

[Signature]
 19-03-2025
 Review by

[Signature]
 19-03-2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

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TEST REPORT

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--	--

Sample Description : Stack Emission (CRD-2, Boiler)
Type of Industry : Stainless Steel
Name of Plant/ Section : Boiler Section (CRD-2, Boiler)
Date of sampling : 11/03/2025
Capacity of Boiler : 6 TPH
Source of Emission : Stack Attached to CRD-2, Boiler
Instrument used : Stack Sampler APM 160 (Sr.No. 87 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) : 1.2 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 : NA

A Observations

1. Stack gas temperature, °C : 144.0
2. Temperature at Mixing point, °C : 29.0
3. Avg. stack gas velocity, m/sec : 8.27
4. Sampling flow rate, Lt./min : 25.0
5. Period of sampling, Minutes : 30.0
6. Volumetric flow rate, Nm³/hr : 23121.96

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1.	Particulate Matter (PM)	mg/Nm ³	52.95	150 Max	IS 11295 (Part-II) : 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AP/STP-01
3.	Nitrogen Dioxide (NO ₂)	mg/Nm ³	58.32	-	HTH/AP/STP-01
4.	Carbon Dioxide (CO ₂)	% v/v	7.80	-	HTH/AP/STP-01

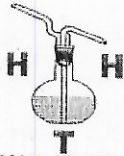
End of Report

Remarks : Particulate Matter Corrected @ 12% Carbon Dioxide (CO₂)

14/03/2025
 By

14-03-2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

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 5. The client is responsible for the accuracy of the data of the instrument used for the analysis.
 6. Sample collection by HTH Lab. is as per the method specified.
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Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313037 ULR No. : TC781125100012182F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--

Sample Description : Stack Emission (CRDI AP-2 Electrolyte Pickling)
Type of Industry : Stainless Steel
Name of Plant/ Section : CRDI AP-2 Electrolyte Pickling
Date of sampling : 10/03/2025
Source of Emission : Stack Attached to CRDI AP-2 Electrolyte Pickling
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) : 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 : 133.0
2. Temperature at Metering point, °C : 29.0
3. Avg. stack gas velocity, m/sec : 7.60
4. Sampling flow rate, Lt./min. : 24.0
5. Period of sampling, Minutes : 30.0
6. Volumetric flow rate, Nm³/ Hr : 9791.88

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	27.25	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	15.71	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	20.70	-	HTH/AP/STP-01

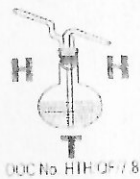
End of Report

19/03/2025
Reviewed by

19/03/2025
Md. Asfak Ansari
Sr. Manager (Env.)

Page No. 1 of 1

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 5. Sample shall be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not shown by HTH subject otherwise specified.
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TEST REPORT

Issued to: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313035 ULR No. : TC781125100012168F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--

Sample Description	: Stack Emission (CRD-3, AP-4, Electrolyte Pickling)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: CRD-3, AP-4, Electrolyte Pickling
Date of sampling	: 10/03/2025
Source of Emission	: Stack Attached to CRD-3, AP-4, Electrolyte Pickling
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)	: 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	: 164.0
2. Temperature at Metering point, °C	: 29.0
3. Avg. stack gas velocity, m/sec	: 7.45
4. Sampling flow rate, L/min	: 21.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ /Hr	: 3004.30

B Results

S/N	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	28.17	150.000	IS 11235 (Part-II): 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	15.71	-	HTH/QF/7.2/2/CH-02, SOP No-23
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	20.70	-	HTH/QF/7.2/2/CH-02, SOP No-23

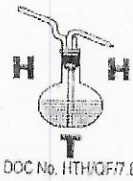
End of Report

19.03.2025
 Review by

19.03.2025
 Md. Astak Ansari
 Sr. Manager (Env.)

Page No.: 1 of 1

1. This report is valid only for the sample(s) described in this report and does not extend to any other sample(s) or to any other parameter(s) not mentioned in this report. 2. The results shown in this report are valid only for the sample(s) tested for the state list. 3. This report is only for your reference and not for legal purposes. 4. Total limits of HTH100012168F is valid only for the state list and not for legal purposes. 5. Sample(s) will be tested as per the standard method unless otherwise specified. 6. Sample(s) not covered by HTH100012168F is not valid. 7. This report is valid only for the sample(s) described in this report and does not extend to any other sample(s) or to any other parameter(s) not mentioned in this report.



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TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313043 ULR No. : TC781125100012195F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--

Sample Description : Stack Emission (Boiler- CRD -1, B TPH)
Type of Industry : Stainless Steel
Name of Plant/ Section : Boiler Section (Boiler- CRD -1)
Date of sampling : 11/03/2025
Capacity of Boiler : B TPH
Source of Emission : Stack Attached to Boiler- CRD -1
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) : 0.8 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 : NA

- A Observations**
- Stack gas temperature, °C : 34.0
 - Temperature at Metering point, °C : 30.0
 - Avg. stack gas velocity, m/sec : 7.86
 - Sampling flow rate, Lt./min. : 15.0
 - Period of sampling, Minutes : 30.0
 - Volumetric flow rate, Nm³/ Hr : 16905.44

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	57.21	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AF/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	41.39	-	HTH/AF/STP-01
4	Carbon Dioxide (CO ₂)	% v/v	7.00	-	HTH/AF/STP-01

End of Report

Remarks : Particulate Matter Corrected @12 % Carbon Dioxide (CO₂)

13/03/2025
 Review By

19-03-2025
 Md. Asfak Anzar
 Sr. Manager (Env.)

Page No: 1 of 1

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TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313041 ULR No. : TC781125100012184F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--


Sample Description	: Stack Emission (CRD-1, Z-2 Mill)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: CRD-1, Z-2 Mill
Date of sampling	: 19/03/2025
Source of Emission	: Stack Attached to CRD-1, Z-2 Mill
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)	: 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

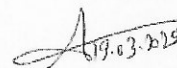
- A Observations**
1. Stack gas temperature, °C : 33.0
 2. Temperature at Metering point, °C : 32.0
 3. Avg. stack gas velocity, m/sec : 6.94
 4. Sampling flow rate, l/min : 13.0
 5. Period of sampling, Minutes : 30.0
 6. Volumetric flow rate, Nm³/Hr : 18568.14

B Results

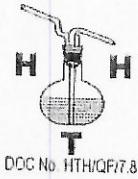
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Total Sulfate Matter (PM ₁₀)	mg/Nm ³	15.14	150 Max	IS 11255 (Part II) : 1905
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	7.85		HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	13.17		HTH/AP/STP-01

End of Report


 19.03.2025
 Review by


 19.03.2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

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TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313057 ULR No. : TC781125100012192F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--

Sample Description	: Stack Emission (SGL, CRD-2)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: SGL, CRD-2
Date of sampling	: 12/03/2025
Source of Emission	: Stack Attached to SGL, CRD-2
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)	: 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

1. Stack gas temperature, °C	: 42.0
2. Temperature at Metering point, °C	: 30.0
3. Avg. stack gas velocity, m/sec	: 4.08
4. Sampling flow rate, Lt./min.	: 16.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 15204.40

B Results

S.No.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	20.00	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

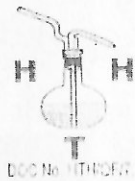
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Review by
13.03.2025

Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

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TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313040 ULR No. : TC781125100012183F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--

Sample Description : Stack Emission (CRD-1, Z-1 Mill)
Type of Industry : Stainless Steel
Name of Plant/ Section : CRD-1, Z-1 Mill
Date of sampling : 10/03/2025
Source of Emission : Stack Attached to CRD-1, Z-1 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) : 30 meter
Stack diameter (at the sampling point) : 0.9 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : B, our lab. Representative

A Observations

1. Stack gas temperature, °C : 35.0
2. Temperature at Metering point, °C : 32.0
3. Avg. stack gas velocity, m/sec : 7.76
4. Sampling flow rate, lt./min. : 15.0
5. Period of sampling, Minutes : 30.0
6. Volumetric flow rate, Nm³/Hr : 16636.16

B Results

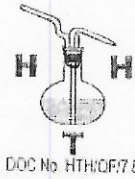
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	18.14	150 Max	IS 11255 (Part II): 1005
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	23.56	-	HTH/AP/STP 01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	18.81	-	HTH/AP/STP 01

End of Report

13/03/2025
 Review by

13/03/2025
 M.D. Asfak Ansari
 Sr. Manager (Env.)

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TEST REPORT

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Sample Description : Stack Emission (CRD 1 - AP-2, Shot Blasting)
Type of Industry : Stainless Steel
Name of Plant/ Section : CRD 1 - AP-2, Shot Blasting
Date of sampling : 12/03/2025
Source of Emission : Stack Attached to CRD 1 - AP-2, Shot Blasting
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) : 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 : 145.0
2. Temperature at Metering point, °C : 30.0
3. Avg. stack gas velocity, m/sec : 8.14
4. Sampling flow rate, Lt./min. : 24.0
5. Period of sampling, Minutes : 30.0
6. Volumetric flow rate, Nm³/ Hr : 10159.80

B Results

S.No.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	25.35	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

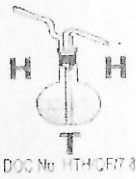
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[Signature]
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[Signature]
 19.03.2025
 Mr. Asfak Ansari
 Sr. Manager (Env.)

Page No : 1 of 1

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TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313034 ULR No. : TC781125100012167F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
---	--

Sample Description	: Stack Emission (CRD 1 - AP-2, Acid Pickling)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: CRD 1 - AP-2, Acid Pickling
Date of sampling	: 16/03/2025
Source of Emission	: Stack Attached to CRD 1 - AP-2, Acid Pickling
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	: LPG
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	: 174.0
2. Temperature at Metering point, °C	: 30.0
3. Avg. stack gas velocity, m/sec	: 7.53
4. Sampling flow rate, Lt./min	: 21.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ /Hr	: 870 ± 70

B Results

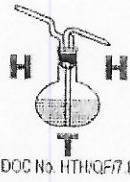
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1.	Particulate Matter (PM ₁₀)	µg/Nm ³	28.00	150 Max	IS 11255 (Part-I) : 1005
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AF/STP-01
3.	Nitrogen Dioxide (NO ₂)	mg/Nm ³	16.93	-	HTH/AF/STP-01

End of Report

[Signature]
 19/03/2025
 Res. by

[Signature]
 19/03/2025
 Md. Asfak Ansari
 Sr. Manager (Env.)

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TEST REPORT

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---	--

Sample Description : Stack Emission (CRD- 3, AP-4, Annealing Furnace)
Type of Industry : Stainless Steel
Name of Plant/ Section : CRD- 3, AP-4, Annealing Furnace
Date of sampling : 12/03/2025
Source of Emission : Stack Attached to CRD- 3, AP-4, Annealing 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 : LPG
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 : 170.0
- Temperature at Metering point, °C : 30.0
- Avg. stack gas velocity, m/sec : 9.92
- Sampling flow rate, Lt./min., : 28.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 26286.19

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	23.13	150 Max	IS 11255 (Part II) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	20.47	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	20.70	-	HTH/AP/STP-01

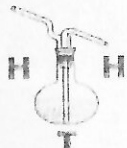
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Sr. Manager (Env.)
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TC-7811



TEST REPORT

Issued To: M/s Jindal Stainless Limited Cold Rolling Division, OP Jindal Marg, Hisar 125005 (HR)	Report No. : HTH/EP/250313048 ULR No. : TC781125100012198F Party's Ref No. : Nil Booking Date : 13/03/2025 Period of Testing : 13/03/2025 To 19/03/2025 Reporting Date : 19/03/2025
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Sample Description	: Stack Emission, CRD-3 (AP-4, Jet Cool Exhaust)
Type of Industry	: Stainless Steel
Name of Plant/Section	: CRD-3 (AP-4, Jet Cool Exhaust)
Date of sampling	: 11/03/2025
Source of Emission	: Stack Attached to CRD-3 (AP-4, Jet Cool Exhaust)
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)	: 80 meter
Stack diameter (at the sampling point)	: 3.5 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	: 260.0
2. Temperature at Metering point, °C	: 29.0
3. Avg. stack gas velocity, m/sec	: 8.56
4. Sampling flow rate, l/min.	: 20.0
5. Period of sampling, Minutes	: 60.0
6. Volumetric flow rate, Nm ³ /Hr	: 160376.16

B Results		Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM ₁₀)	mg/Nm ³	24.21	150 Max	IS 11755 (Part-I) : 1995
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	10.47	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	13.17	-	HTH/AP/STP-01

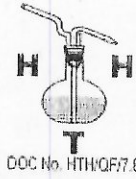
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Signature
19.03.2025
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Signature
19.03.2025
Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

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TEST REPORT

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Sample Description : Stack Emission (CRD-2, Z-3 Mill)
Type of Industry : Stainless Steel
Name of Plant/ Section : CRD-2, Z-3 Mill
Date of sampling : 10/03/2025
Source of Emission : Stack Attached to CRD-2, Z-3 Mill
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) : 30 meter
Stack diameter (at the sampling point) : 1 meter
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

- A Observations**
- Stack gas temperature, °C : 35.0
 - Temperature at Metering point, °C : 32.0
 - Avg. stack gas velocity, m/sec : 6.99
 - Sampling flow rate, Lt./min. : 13.0
 - Period of sampling, Minutes : 30.0
 - Volumetric flow rate, Nm³/ Hr : 18500.51

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	21.08	150 Max	IS 11255 (Part II) - 1985
2	Sulphur Dioxide (SO ₂)	mg/tm ³	7.09	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	13.91	-	HTH/AP/STP-01

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 19.03.2025
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[Signature]
 19.03.2025
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---	--

Sample Description	: Stack Emission (CRD-3, AP-4, Degreasing)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: CRD-3, AP-4, Degreasing
Date of sampling	: 12/03/2025
Source of Emission	: Stack Attached to CRD-3, AP-4, Degreasing
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)	: 30 meter
Stack diameter (at the sampling point)	: 0.8 meter
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: Our Lab. Representative

A Observations

1. Stack gas temperature, °C	: 240.0
2. Temperature at Metering point, °C	: 20.0
3. Avg. stack gas velocity, m/sec	: 7.18
4. Sampling flow rate, Lt/min	: 12.0
5. Period of sampling, Minutes	: 20.0
6. Volumetric flow rate, Nm ³ /Hr	: 7302.04

B Results

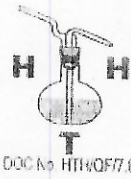
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1.	Particulate Matter (PM ₁₀)	mg/Nm ³	20.43	150 Max	IS 11255 (Part II) : 2005
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.85	-	HTH/AP/STP-01
3.	Nitrogen Dioxide (NO ₂)	mg/Nm ³	13.17	-	HTH/AP/STP-01

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---	--

Sample Description	: Stack Emission (PS 20 HI Mill)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: PS 20 HI Mill
Date of sampling	: 12/03/2025
Source of Emission	: Stack Attached to PS 20 HI Mill
Instrument Used	: Stack Sampler APM 160 (Sr.No. 8/ 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)	: 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 : 43.0
 2. Temperature at Metering point, °C : 30.0
 3. Avg. stack gas velocity, m/sec : 7.86
 4. Sampling flow rate, L/min : 14.0
 5. Period of sampling, Minutes : 30.0
 6. Volumetric flow rate, Nm³/Hr : 45622.09

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	mg/Nm ³	24.25	150 Max	IS 11295 (Part II) : 1995
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AF/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	20.70	-	HTH/AF/STP-01

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---	--

Sample Description	: Stack Emission (PS VBA Line)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: PS VBA LINE
Date of sampling	: 13/03/2025
Source of Emission	: Stack Attached to PS VBA Line
Instrument used	: Stack Sampler APM 160 (Sr.No. B7 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chemistry	: Metal
Type of Fuel used	: Propane
Stack height (from the ground level)	: 30 meter
Stack diameter (at the sampling point)	: 0.65 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	: 251.0
2. Temperature at Metering point, °C	: 30.0
3. Avg. stack gas velocity, m/sec	: 5.31
4. Sampling flow rate, l1/min	: 22.0
5. Period of sampling, Minutes	: 20.0
6. Volumetric flow rate, Nm ³ / Hr	: 3124.82

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM10)	mg/Nm ³	21.43	150 Max	IS 11255 (Part-I) : 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.09	-	HTH/AP/STP-01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	24.46	-	HTH/AP/STP-01

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Sample Description	: Stack Emission (SPD -SPD VBA LINE)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: SPD -SPD VBA LINE
Date of sampling	: 12/03/2025
Source of Emission	: Stack Attached to SPD -SPD VBA 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	: Propane
Stack height (from the ground level)	: 30 meter
Stack diameter (at the sampling point)	: 0.65 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	: 109.0
2. Temperature at Metering point, °C	: 30.0
3. Avg. stack gas velocity, m/sec	: 5.92
4. Sampling flow rate, Lt./min.	: 17.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 4613.00

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-II) : 2005
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.47		HTH/AP/STP 01
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	9.41		HTH/AP/STP 01

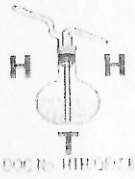
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---	--

Sample Description	: Stack Emission (CRD 1 - AP-2, Annealing)
Type of Industry	: Stainless Steel
Name of Plant/ Section	: CRD 1 - AP-2, Annealing
Date of sampling	: 13/03/2025
Source of Emission	: Stack Attached to CRD 1 - AP-2, Annealing
Instrument used	: Stack Sampler APM 160 (Sr.No. 87 DT1 2016)
Instrument Calibration Status	: Calibrated (upto 15.12.2025)
Type of Chimney	: Metal
Type of Fuel used	: LPG
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	: 140.0
2. Temperature at Metering point, °C	: 30.0
3. Avg. stack gas velocity, m/sec	: 7.54
4. Sampling flow rate, Lt./min.	: 23.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ /Hr	: 9574.86

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1.	Particulate Matter (PM10)	mg/Nm ³	21.29	150 Max	IS 11255 (Part-I) : 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.24		HTH/AF/STP-01
3.	Nitrogen Dioxide (NO ₂)	mg/Nm ³	31.97		HTH/AF/STP-01

*** End of Report ***

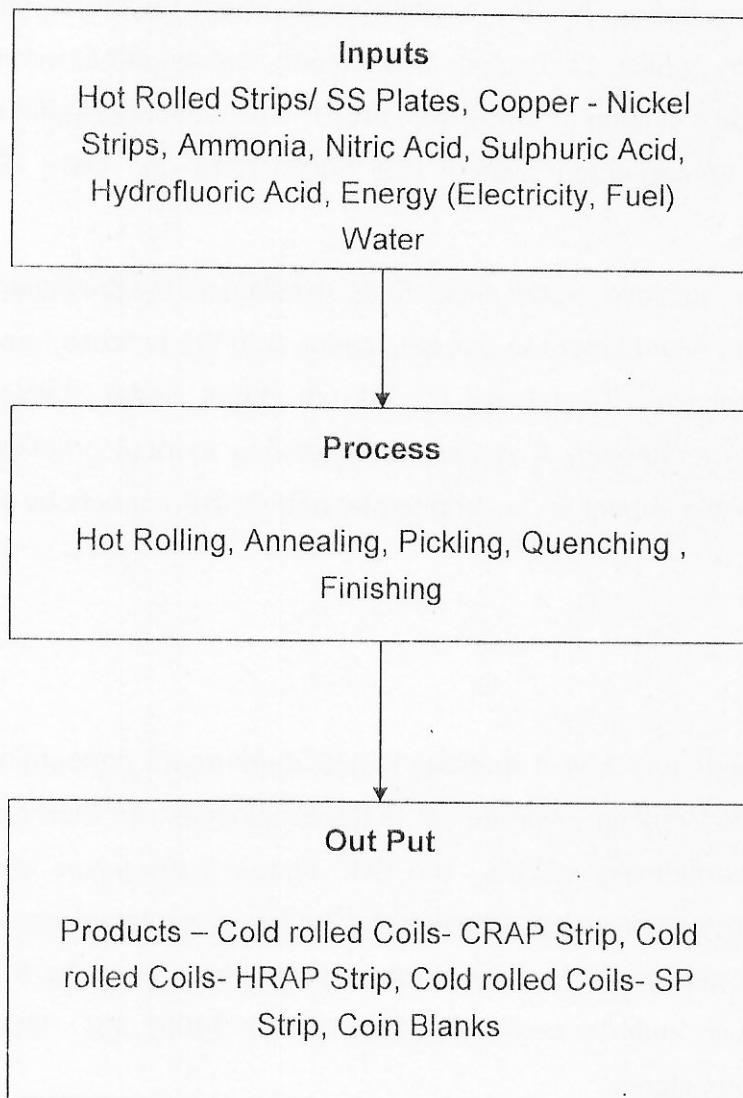
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Annexure –II

Material Balance Flow Chart
At
Cold Rolling Division, Jindal Stainless Limited, 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: 14001, ISO 45001, ISO 50001 & ISO: 9001 & 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

There are 3 nos. of Effluent Treatment Plants in the Cold Rolling Division having a total capacity of 300 M3/day. The Waste water generated from the various processes is treated in the Effluent Treatment Plants (ETPs) and reused in process.

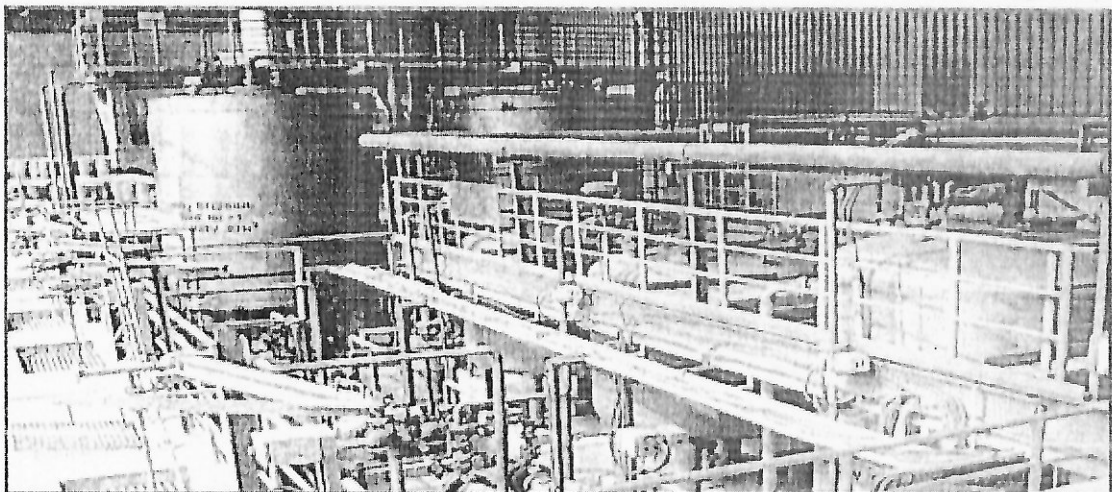


Fig:- Effluent Treatment Plant

We have 2 nos. of Primary Treatment Plants one in the Cold Rolling Division and one in the Hot Rolling Division. The waste water is treated in these Primary Treatment Plants before feeding to Reverse Osmosis Plant. We have a Reverse Osmosis Plant with

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treatment capacity of 6000 M3/Day for taking care of waste water. Treated waste water from ETP is used as input to Reverse Osmosis Plant. The output of RO plant is reused in the process.

Air Pollution Control Systems

All units are equipped with well designed Air Pollution Control Devices. The fumes produced in nitric electrolytic pickling section will be heated in an air / air heat exchanger or by natural gas combustion.

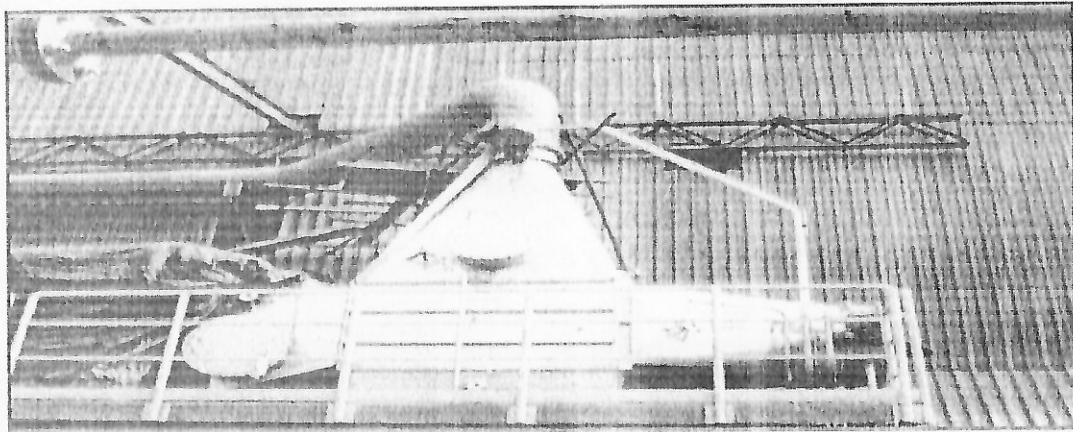
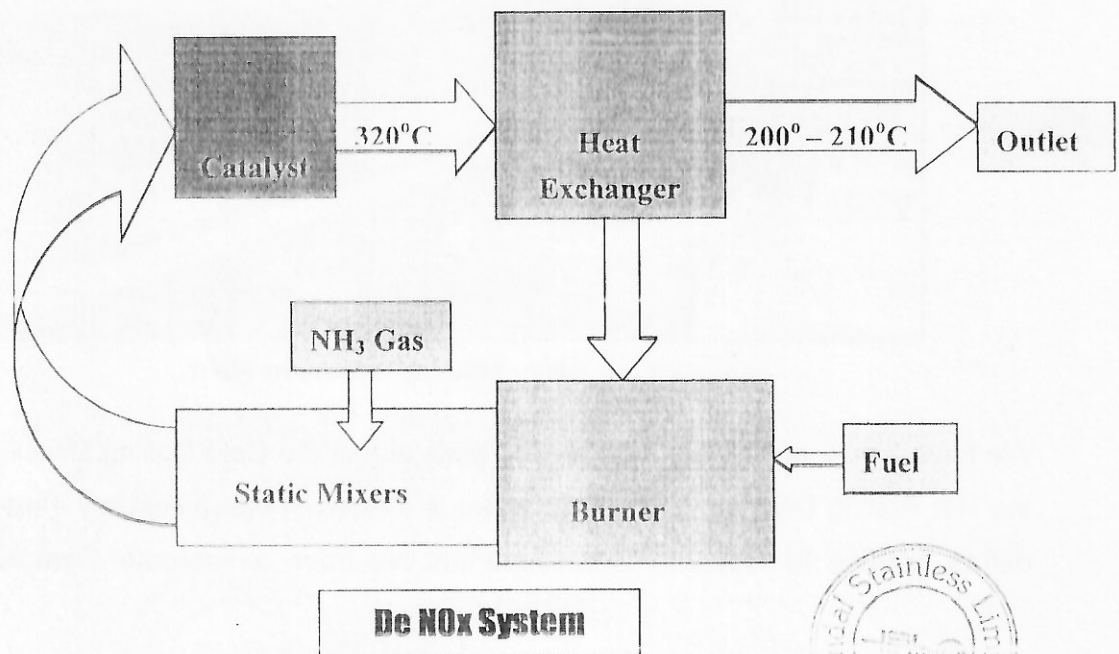


Fig:- DeNox System Installation to neutralize acidic fumes

The crude gas is mixed with Ammonia at high temperature and this mixture is allowed to flow through a solid metal oxide catalyst, where NO / NO₂ will be converted to N₂ and H₂O by selective catalytic reduction.



S. Kumar
Industrial Stainless Limited
HISAR * Punjab

Environmental Awareness & Training Programs

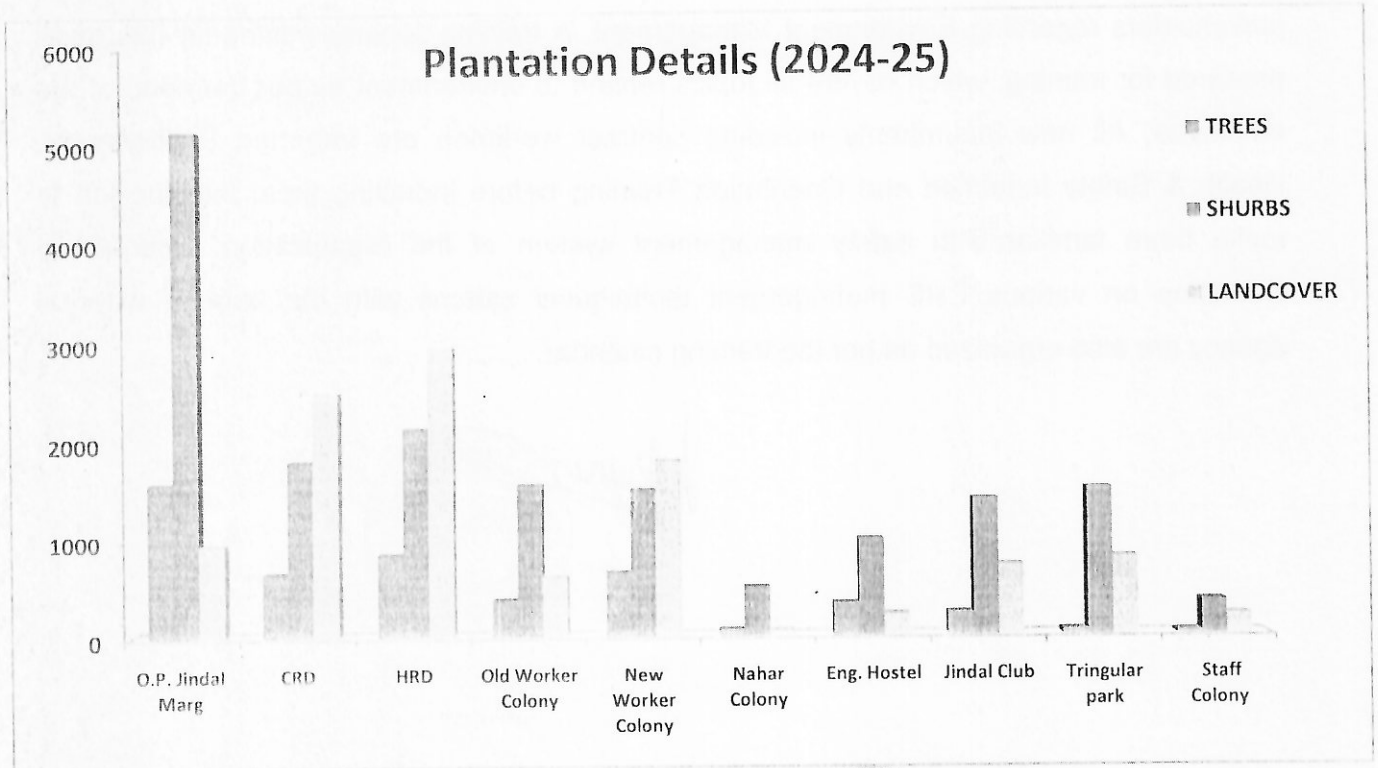
Jindal Stainless Limited is very conscious for the Environment Management and Awareness. Various time to time training programs are organized by company to aware the stakeholders regarding Environment Management. A training schedule/calendar has been prepared for training, which covers all topics related 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.

Handwritten signature



A circular stamp of Jindal Stainless Limited, Hisar. The outer ring contains the text "Jindal Stainless Limited" at the top and "HISAR" at the bottom, separated by two small stars. The center of the stamp features the company logo, which includes the letters "JSL" and a stylized graphic of a stainless steel coil.

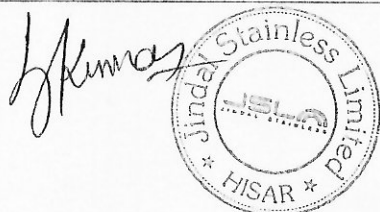
Green Belt Development



[Handwritten Signature]
Jindal Stainless Limited
LUSAR

Species of Plants grown

PLANTATION SPECIES (TREES)	SHRUBS	GROUNDS COVERS	CUMBERS	PALMS
Alstonia Schjolaris	Bauhinia tomentosa	Altemanthera	Bougain	Roystonea
Acacia Auriculiformis	Callindra brevipes	(Green)	villea species	regia
Azadirachata Indica	Callindra	Altemanthera (Red)\	Clorodendron	Phonix
Ailanthus excelsa	haematocephala	Crassula argentia	splendens	sylvstris
Bauhinia Verigata	Cestrum nocturnum	Chlorophytum	Ficus repens	Fan palm
Bauhinia purpurea	Clerodendrum	comosum	Quisqualis	Raphias
Dalbergio sissoo	innerme.	Cuphea miniata	indica	excelsa
Cassia Fistula	Draceana reflexa	Duronta golden	Vernonia	Cycus
Cassia nodosa	Draceana margineta	Juniperus prostate	pasiflora	revolute
Cassia siamia	Euphorbia	Lantana sellowiana		Thorinx
Callistemon	leucocephata	Lantana depressa		palm
Lenceolanus	Euphorbia cotinifolia	Ophiopogom jaburan		Royal
Ceiba pentandra	Eranthimun nigrum	Tradescantia zebrine		palm
Chorisea speciosa	Ficus panda	Wedelia triobata		Areca
Erythrina Indica	Galphimia nitida			palm
Jacaranda	Hamelia patens			
Mimusaefolia	Hibiscus species			
Lagerstromia speciosa	Lxora singaporensis			
Plumeria alba	Jatropha			
Tabebuia spectabilis	pandarafolia			
Tabebuia argantea	Murrya exotica			
Spathodia compamials	Plumbego auriculata			
Ficus ratusa	Schefflera arboricola			
Ficus banjamin	Ticoma stans			
Ficus infectoria	Nerium olender			
Grevilia robusta	Thevetia nerifolia			
Peltophorum	Crotons			
ferruginum	Tacoma gaudichaudi			
Polithia Longifolia				
Aegle marmeloes				
Eugenia jambolana				
Psidium guava				
Mangifera indica				
Morus alba				
Tamarindus indica				



ISO: 14001: 2015 Certificate



CERTIFICATE

Management system as per
ISO 14001 : 2015

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

JINDAL STAINLESS (HISAR) LIMITED
COLD ROLLING DIVISION
O.P. Jindal Marg, Hisar - 125 005,
Haryana,
India



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

**Manufacture and Dispatch of Cold Rolled Stainless Steel Flat Products,
Coin Blanks, Razor Blade Stainless Steel and Precision Strips.**

Certificate Registration No. 44 104 084097/02
Audit Report No. 2 5 3776/2007

Valid until 16.02.2023
Valid from 17.02.2020
Initial Certification 19.02.2008

Certification Body
TUV NORD CERT GmbH

Issue 07.02.2020
Place : Mumbai

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

TUV NORD CERT GmbH Langemarkstrasse 20 45141 Essen www.tuv-nord-cert.com

TUV India Pvt. Ltd. 803, Rubejo Plaza - 1, L.B.S. Marg, Chhatrapati (W) Mumbai - 400 005, India www.tuv-nord.com/in



DARCS
Distinguished
Auditing & Reporting
Certification
07.02.2020

ISO45001: 2018 Certificate

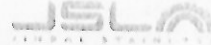


CERTIFICATE

Management system as per
ISO 45001 : 2018

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

JINDAL STAINLESS (HISAR) LIMITED
(COLD ROLLING 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 and Dispatch of Cold Rolled Stainless Steel Flat Products,
Coin Blanks, Razor Blade Stainless Steel and Precision Strips**

Certificate Registration No. 44 126 077579/01
Audit Report No. 2.5-3776/2007

Valid until 16.02.2023
Initial certification 2008 (BS OHSAS 18001)

SK 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. This certificate is valid in conjunction with the main certificate.

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

TÜV India Pvt. Ltd., 801 Raheja Plaza 1, L.B.S. Marg Ghatkopar (W), Mumbai 400 086, India www.tuev-nord.com/in



DAKKS
Deutsche
Zertifizierungsstelle
D ZV 12007 01-00

ISO50001: 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.

TÜV India Pvt. Ltd., 601, Haheja Plaza - 1, L.B.S. Marg, Ghatkopa (W), Mumbai - 400 086, India www.tuvindia.com



