



Royal

Environment Auditing & Consultancy Service

Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 8026/01/2022-23

Date : 01/02/2023

REPORT OF FUGITIVE EMISSION MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutch, Gujarat.

Sampling Site: Near raw material handling area

Sr. No.	Particulars	Unit	Location # 1	Location # 2	Location # 3	Location # 4
01.	Location of Sampling	---	Nr. Vagon Trippler	Nr. Sreen Area	Nr. Transfer Point	Nr. Stock Bin area
02.	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023	24/01/2023
03.	Time of sampling	Hr	12.15	13.10	9.30	10.20
04.	Dominant Wind Direction (From)	---	NE to SW	NE to SW	NE to SW	NE to SW
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /minute	1.10	1.20	1.20	1.20
07.	Permissible limit for SPM	µg/m ³	2000	2000	2000	2000
08.	Measured Concentration of SPM	µg/m ³	1589	1378	1686	1493

Instruments Used : Envirotech HVS APM 430 & Ecotech RDS - AAS 217

Calibration done on : 26/12/2022

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Ashish
Analyst



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Ref. No. : 8027/01/2022-23

Date : 01/02/2023

REPORT OF FUGITIVE EMISSION MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutch, Gujarat.

Sampling Site: Crusser area

Sr.No.	Particulars	Unit	Location # 5	Location # 6	Location # 7
01.	Location of Sampling	---	Nr. Crusser area	Nr. Vibrating screen	Nr. Transfer point
02.	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023
03.	Time of sampling	Hr	10.35	11.40	11.20
04.	Dominant Wind Direction (From)	---	SW	SW	SW
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /minute	1.10	1.10	1.20
07.	Permissible limit for SPM	µg/m ³	2000	2000	2000
08.	Measured Concentration of SPM	µg/m ³	1658	1546	1612

Instruments Used : Envirotech HVS APM 430 & Ecotech RDS - AAS 217

Calibration done on : 26/12/2022

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Ref. No. : 8028/01/2022-23

Date : 01/02/2023

REPORT OF FUGITIVE EMISSION MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutch, Gujarat.

Sampling Site: Raw material feeder area

Sr. No.	Particulars	Unit	Location # 8	Location # 9	Location # 10
01.	Location of Sampling	---	Nr. Feeder area	Nr. mixing Feeder area	Nr. Transfer point
02.	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023
03.	Time of sampling	Hr	12.30	13.20	14.10
04.	Dominant Wind Direction (From)	---	NE to SW	NE to SW	NE to SW
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /minute	1.20	1.20	1.10
07.	Permissible limit for SPM	µg/m ³	2000	2000	2000
08.	Measured Concentration of SPM	µg/m ³	1632	1605	1724

Instruments Used : Envirotech HVS APM 430 & Ecotech RDS - AAS 217

Calibration done on : 26/12/2022



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Ref. No. : 8029/01/2022-23

Date : 01/02/2023

REPORT OF FUGITIVE EMISSION MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutch, Gujarat.

Sampling Site: Cooler Discharge Area

Sr. No.	Particulars	Unit	Location # 11	Location # 12
01.	Location of Sampling	---	Nr. Wagon tippler	Nr. Screen area
02.	Date of sampling	---	24/01/2023	24/01/2023
03.	Time of sampling	Hr	14.35	15.20
04.	Dominant Wind Direction (From)	---	NE to SW	NE to SW
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /minute	1.10	1.10
07.	Permissible limit for SPM	μg/m ³	2000	2000
08.	Measured Concentration of SPM	μg/m ³	1545	1595

Instruments Used : Envirotech HVS APM 430 & Ecotech RDS - AAS 217

Calibration done on : 26/12/2022

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Ref. No. : 8030/01/2022-23

Date : 01/02/2023

REPORT OF FUGITIVE EMISSION MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhyali,
Taluka : Bhachau,
Kutch, Gujarat.

Sampling Site: Product Processing area

Sr. No.	Particulars	Unit	Location # 13	Location # 14	Location # 15	Location # 16
01.	Location of Sampling	---	Nr. Intermediate stock bin area	Nr. Screening plant	Nr. Magnetic separating plant	Nr. Transfer plant
02.	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023	24/01/2023
03.	Time of sampling	Hr	16.20	16.40	15.45	17.20
04.	Dominant Wind Direction (From)	---	NE to SW	NE to SW	NE to SW	NE to SW
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /minute	1.20	1.20	1.10	1.20
07.	Permissible limit for SPM	µg/m ³	2000	2000	2000	2000
08.	Measured Concentration of SPM	µg/m ³	1610	1785	1690	1536

Instruments Used : Envirotech HVS APM 430 & Ecotech RDS - AAS 217

Calibration done on : 26/12/2022

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Ref. No. : 8031/01/2022-23

Date : 01/02/2023

REPORT OF FUGITIVE EMISSION MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutch, Gujarat.

Sampling Site: Product Processing area

Sr. No.	Particulars	Unit	Location # 17	Location # 18	Location # 19
01.	Location of Sampling	---	Nr. Oversize discharge area	Nr. Product separation	Bagging area
02.	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023
03.	Time of sampling	Hr	17.45	17.10	17.25
04.	Dominant Wind Direction (From)	---	NE to SW	NE to SW	NE to SW
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /minute	1.20	1.20	1.10
07.	Permissible limit for SPM	µg/m ³	2000	2000	2000
08.	Measured Concentration of SPM	µg/m ³	1624	1546	1732

Instruments Used : Envirotech HVS APM 430 & Ecotech RDS - AAS 217

Calibration done on : 26/12/2022

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Ref. No. : 8032/01/2022-23

Date : 01/02/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1, Near toll gate,

Village : Samakhyali,

Taluka : Bhachau,

Kutch, Gujarat.

Sr. No.	Particulars	Unit	Location No. 1	Location No. 2
01.	Location of Sampling	---	Officer Colony	Main Security Gate
02.	Date of sampling	---	24/01/2023	24/01/2023
03.	Time of sampling	Hr	09.30	10.15
04.	Duration of Sampling	Min.	1440	1440
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /Hr	1.1	1.2
07.	Average flow rate for Gas sampling	LPM	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m ³	60	60
09.	Measured Concentration of PM 2.5	µg/m ³	20	18
10.	Permissible Limits of PM 10	µg/m ³	100	100
11.	Measured Concentration of PM 10	µg/m ³	34	42
14.	Permissible Limits of SO ₂	µg/m ³	80	80
15.	Measured Concentration of SO ₂	µg/m ³	13.4	12.3
16.	Permissible Limits of NO ₂	µg/m ³	80	80
17.	Measured Concentration of NO ₂	µg/m ³	19.2	20.6

Instrument used : 1) Ecotech make (RDS), Model No. APM - 217 BL, Gaseous Sampling Kit No. AAS 190, 2) Ecotech make 2 Nos. PM 2.5

Calibration done on : 26/12/2022

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Ref. No. : 8033/01/2022-23

Date : 01/02/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1, Near toll gate,

Village : Samakhali,

Taluka : Bhachau,

Kutch, Gujarat.

Sr. No.	Particulars	Unit	Location No. 3	Location No. 4
01.	Location of Sampling	---	B/h. Kiln 1 & 2	Nr. Furnace Area
02.	Date of sampling	---	24/01/2023	24/01/2023
03.	Time of sampling	Hr	10.35	11.20
04.	Duration of Sampling	Min.	1440	1440
05.	Average Wind Speed	Km/Hr	3 to 14	3 to 14
06.	Average flow rate during sampling	m ³ /Hr	1.1	1.2
07.	Average flow rate for Gas sampling	LPM	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m ³	60	60
09.	Measured Concentration of PM 2.5	µg/m ³	30	26
10.	Permissible Limits of PM 10	µg/m ³	100	100
11.	Measured Concentration of PM 10	µg/m ³	40	42
14.	Permissible Limits of SO ₂	µg/m ³	80	80
15.	Measured Concentration of SO ₂	µg/m ³	13.8	11.4
16.	Permissible Limits of NO ₂	µg/m ³	80	80
17.	Measured Concentration of NO ₂	µg/m ³	18.1	20.2

Instrument used : 1) Ecotech make (RDS), Model No. APM - 217 BL, Gaseous Sampling Kit No. AAS 190, 2) Ecotech make 2 Nos. PM 2.5

Calibration done on : 26/12/2022



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Ref. No. : 8034/01/2022-23

Date : 01/02/2023

AMBIENT NOISE LEVEL MEASUREMENT

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhyali,
Taluka : Bhachau,
Kutch, Gujarat.

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
Date of sampling		24/01/2023	24/01/2023
Time of sampling		Day Time 6.00 AM - 10.00 PM	Night Time 10.00 PM - 6.00 AM
	Permissible Limits	75.0	70.0
01.	Near Main Gate	62.3	53.5
02.	Rolling Mill Area	68.4	62.4
03.	Induction Furnace	70.1	62.8
04.	Reheating Furnace	72.7	56.4
05.	Rotary Kiln	66.5	60.3
06.	Power Plant	70.8	62.2

CPCB Standards			
Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL - 4030 (Lutron)

Calibration Done on : 04/03/2022



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Ref. No. : 8036/01/2022-23

Date : 01/02/2023

REPORT OF DRINKING WATER SAMPLE

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhyali,
Taluka : Bhachau,
Kutch, Gujarat.

Date of sampling : 24/01/2023

Sr. No.	Parameters	Unit	Permissible Limits(*)	Results
01.	pH	pH Units	6.5 to 8.5	7.24
02.	Colour	Pt. Co. Scale	100	Colourless
03.	Total Dissolved Solids	mg/l	2000	158
04.	Total Suspended Solids	mg/l	----	8
05.	Total Solids	mg/l	----	166
06.	Chlorides	mg/l	1000	46
07.	Sulphates	mg/l	400	7.3
08.	Total Hardness (As CaCO ₃)	mg/l	600	68
09.	Calcium (as Ca)	mg/l	200	9.1
10.	Magnesium (as Mg)	mg/l	100	11.0
11.	Total Alkalinity	mg/l	600	60
12.	Nitrates	mg/l	45	1.8
13.	Flouride	mg/l	1.5	0.04

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500 : 2012, Drinking Water Specification

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Ref. No. : 8037/01/2022-23

Date : 01/02/2023

WASTE WATER SAMPLE ANALYSIS REPORT

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1,
Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutch, Gujarat.

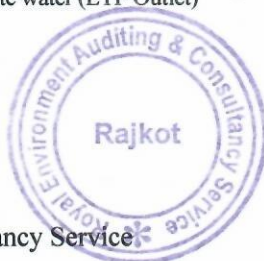
Date of sampling : 24/01/2023

Source of Sample: Waste Water Treatment Plant (ETP Plant)

Sr. No.	Parameters	Unit	GPCB Limits *	Waste Water (ETP Inlet)	Treated Water (ETP Outlet)
1	pH	pH Unit	6.5 to 8.5	7.02	7.43
2	Colour	Pt.co scale	100 Units	28	21
3	Temp.	°C	40	30	29
4	Suspended Solids	Mg/Lit	100	40	28
5	Total Dissolved Solids	Mg/Lit	---	748	430
6	Total Solids	Mg/Lit	---	788	458
7	Oil & Grease	Mg/Lit	10	2.8	0.24
8	Sulphides	Mg/Lit	2	4.3	0.18
9	Phosphate	Mg/Lit	5	3.8	0.2
10	BOD	Mg/Lit	30	68	20
11	COD	Mg/Lit	100	253	60
12	Total Chromium (as Cr)	Mg/Lit	0.2	0.48	N.D.
13	Hexavalent Cr	Mg/Lit	0.1	0.4	N.D.
14	Copper	Mg/Lit	1.0	0.20	0.21
15	Total Iron (as Fe)	Mg/Lit	1.0	2.9	0.43
16	Zinc (as Zn)	Mg/Lit	1.0	0.3	NIL

* GPCB Limits are only applicable to treated waste water (ETP Outlet)

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TEST REPORT (WATER)

Test Report No : 8038/01/2022-23

Date : 01/02/2023

Work Order No : -----

Job Card No : Gallant/22-23/01

Name of company : Gallant Ispat Limited

Survey No. 175/1, Near toll gate,
Village : Samakhali,
Taluka : Bhachau,
Kutchh.

Attention : Mr. Manoj Rastogi

Date of Sample Receipt : 25/01/2023

Date & Time of Sampling : 24/01/2023 , 09.30

Lab ID : W/22-23/01/23

Date of Testing : 27th to 30th January 2023

Sample Type : Water

Description of Sample Packing : Plastic Bottle

Type of Sampling : Grab

Quantity of Sample : 1.0 Ltr.

Description : Ground Water

Sample Collected by : Royal Environment

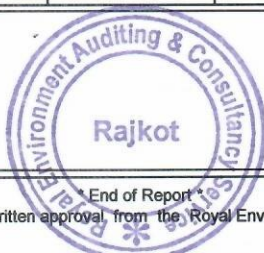
Sampling Method : IS 3025 : Part 1

Location of Sample : Ground Water - Nr. Solid Waste Storage Area

Sr. No.	Parameters	Unit	Acceptable Limits	Permissible Limits as per IS 10500:2012	Results	Test Method
01.	Color	Hazen Units	5	15	Colorless	IS 3025 : Part 44
02.	Odour	---	Agreeable	Agreeable	Odourless	IS 3025 : Part 5
03.	pH Value	---	6.5 - 8.5	No relaxation	7.21	IS 3025 : Part 11
04.	Turbidity	NTU	1	5	4	IS 3025 : Part 10
05.	Total Dissolved Solids	mg/l	500	2000	848	IS 3025 : Part 16
06.	Total Suspended Solids	mg/l	---	---	20	IS 3025 : Part 17
07.	Total hardness (as CaCO ₃)	mg/l	200	600	348	IS 3025 : Part 21
08.	Calcium (as Ca)	mg/l	75	200	82	IS 3025 : Part 40
09.	Magnesium (as Mg)	mg/l	30	100	34.8	IS 3025 : Part 46
10.	Chloride (as Cl)	mg/l	250	1000	210	IS 3025 : Part 32
11.	Sulphate (as SO ₄)	mg/l	200	400	360	IS 3025 : Part 24
12.	Total alkalinity as (as CaCO ₃)	mg/l	200	600	240	IS 3025 : Part 23
13.	Nitrate (as NO ₃)	mg/l	45	No relaxation	8.2	IS 3025 : Part 34
14.	Fluoride (as F)	mg/l	1	1.5	0.04	IS 3025 : Part 60
15.	Iron (as Fe)	mg/l	0.3	No relaxation	0.3	IS 3025 : Part 53
16.	Mineral oil	mg/l	0.5	No relaxation	N.D.	IS 3025 : Part 39
17.	Phenolic compounds (as C ₆ H ₅ OH)	mg/l	0.001	0.002	N.D.	IS 3025 : Part 43
18.	Total arsenic (as As)	mg/l	0.01	0.05	Nil	IS 3025 : Part 37
19.	E. Coli	---	Absent	Absent	Absent	APHA
20.	Total Coliform Bacteria	---	Absent	Absent	Absent	APHA

**** This water can't be used as drinking water**

[Signature]
Authorized Signatory



[Signature]
Analyst

End of Report

1. This test report shall not be reproduced except in full, without written approval, from the Royal Environment Auditing & Consultancy Service
2. The results relate only to the item tested.

Doc. No. F/7.8/03, Issue No. 02, Issue Date : 01-10-18, Ammd No. ---, Ammd Date : ---

Ref. No. : 8035/01/2022-23

Date : 01/02/2023

Form No. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

1 Name of the Department/Plant.: **Gallantt Ispat Limited**

2 Raw materials, by products and finished products involved in the process. **RSPM**

3 Particulars of sampling

Date of sampling : 24/01/2023

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average	Mg/m ³					
1	Nr. Stone Area	RSPM	Personal Respirable Dust sampler VPDS 203	02	1.3-2.5	1.90	10	Gravimetric	4	---	<i>Ashish</i>	Mr. PATAT ASHISH
2	Nr. SMS	RSPM		02	1.4-2.2	1.80	10	Gravimetric	6	---		
3	Nr. Power Plant	RSPM		02	1.4-2.1	1.75	10	Gravimetric	5	---		
4	Nr. Kiln - 2 Side	RSPM		02	1.3-2.5	1.90	10	Gravimetric	3	---		
5	Nr. Kiln - 3 Side	RSPM		02	1.4-2.3	1.85	10	Gravimetric	4	---		
6	Nr. Crusher Area	RSPM		02	1.5-1.9	1.70	10	Gravimetric	4	---		
7	Rolling Mill Area	RSPM		02	1.5-2.2	1.85	10	Gravimetric	5	---		

Instrument Used : Vaibhav make Personal Sampler, Model No. VPDS 203
Calibration done on : 04/03/2022

For. Royal Environment Auditing & Consultancy Service



[Signature]
Authorized Sign



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Ref. No. : 5126/01/2022-23

Date : 01/02/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : Gallantt Ispat Limited

Survey No. 175/1, Near toll gate,

Village : Samakhyali,

Taluka : Bhachau,

Kutch, Gujarat.

Sr. No.	Particulars	Unit	Stack - 1
01.	Date of sampling	---	24/01/2023
02.	Time of sampling	Hr	09:00
03.	Stack Attached to	---	AFBC & CFBC Boiler of Power Plant
04.	Air Pollution Control Measures	---	ESP
05.	Stack Height	Meter	95
06.	Stack Diameter	Meter	3.8
07.	Ambient Temperature	Degree Centi.	21
08.	Stack Temperature	Degree Centi.	128
09.	Average Velocity of Flue Gases	M/Sec.	7
10.	Isokinetic flow rate for P.M. Sampling	LPM	20
11.	Gaseous Sampling Flow Rate	LPM	2.0
12.	Permissible Limit for P.M.	mg/Nm ³	30
13.	Measured Concentration of P.M.	mg/Nm ³	21
14.	Permissible Limit for SO ₂	mg/Nm ³	100
15.	Measured Concentration of SO ₂	mg/Nm ³	42
16.	Permissible Limit for NOx	mg/Nm ³	100
17.	Measured Concentration of NOx	mg/Nm ³	33
18.	Permissible Limit for Hg	mg/Nm ³	0.03
19.	Measured Concentration of Hg	mg/Nm ³	0.02

*Permissible limit are as per MoEF&CC Notification S.O.3305(E), dated 07/12/2015.

Instruments used : Ecotech Stack Sampler, Model No. ESS 100

Calibration Done On. : 26/12/2022

Royal Environment Auditing & Consultancy Service

Ashish
Analyst



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Ref. No. : 5128/01/2022-23

Date : 01/02/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1, Near toll gate,
Village : Samakhyali,
Taluka : Bhachau,
Kutch, Gujarat.

Test Method : As per IS Standards - 11255 1/2/3/7

Sr. No.	Particulars	Unit	Stack - 2	Stack - 3	Stack - 4
1	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023
2	Time of sampling	Hr	09:50	10:40	11:20
3	Stack Attached to	---	Rotary Kiln - 1 & 2	Rotary Kiln - 3 & 4	Rotary Kiln - 5 (New) (350 TPD)
4	Air Pollution Control Measures	---	ESP	ESP	ESP
5	Stack Diameter	Meter	1.5	1.5	1.5
6	Stack Height	Meter	35	35	48
7	Stack Temperature	Degree Centi.	124	115	128
8	Ambient Temperature	Degree Centi.	21	21	22
9	Average Velocity of Flue Gases	M/Sec.	6.6	7.3	7.4
10	Isokinetic flow rate for P.M. Sampling	LPM	21	20	19
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	2.0
12	Permissible Limit for P.M.	mg/Nm ³	100	100	100
13	Measured Concentration of P.M.	mg/Nm ³	45	42	40
14	Permissible Limit for SO ₂	ppm	100	100	100
15	Measured Concentration of SO ₂	ppm	34.0	30.0	33.0
16	Permissible Limit for Nox	ppm	50	50	50
17	Measured Concentration of Nox	ppm	24.0	28.0	26.0

*Permissible limit are as per MoEF&CC Notification G.S.R.414(E), dated 30/05/2008.

Instruments used : Ecotech Stack Sampler, Model No. ESS 100

Calibration Done On. : 26/12/2022

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Ref. No. : 5129/01/2022-23

Date : 01/02/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Gallantt Ispat Limited**

Survey No. 175/1, Near toll gate,

Village : Samakhali,

Taluka : Bhachau,

Kutch, Gujarat.

Test Method : As per IS Standards - 11255_1/2/3/7

Sr. No.	Particulars	Unit	Stack - 5	Stack - 6	Stack - 7
1	Date of sampling	---	24/01/2023	24/01/2023	24/01/2023
2	Time of sampling	Hr	12:30	14:30	15:30
3	Stack Attached to	---	Induction Furnace - 1 & 2	Induction Furnace - 3 & 4	Induction Furnace - 5 & 6
4	Air Pollution Control Measures	---	Bag Filter with Spark Trapper	Bag Filter with Spark Trapper	Bag Filter with Spark Trapper
5	Stack Diameter	Meter	1.5	1.5	1.5
6	Stack Height	Meter	48	48	48
7	Stack Temperature	Degree Centi.	130	120	126
8	Ambient Temperature	Degree Centi.	22	22	21
9	Average Velocity of Flue Gases	M/Sec.	7.3	7.4	7
10	Isokinetic flow rate for P.M. Sampli	LPM	19	20	21
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	2.0
12	Permissible Limit for P.M.	mg/Nm ³	50	50	50
13	Measured Concentration of P.M.	mg/Nm ³	26	30	28
14	Permissible Limit for SO ₂	ppm	100	100	100
15	Measured Concentration of SO ₂	ppm	37	32	33
16	Permissible Limit for NO _x	ppm	50	50	50
17	Measured Concentration of NO _x	ppm	24	23	22

*Permissible limit as per GPCB CC&A

Instruments used : Ecotech Stack Sampler, Model No. ESS 100

Calibration Done On. : 26/12/2022

Royal Environment Auditing & Consultancy Service



Ashish
Analyst