



JSW Steel Limited

Dolvi Works: Geetapuram,
Dolvi, Taluka - Pen,
Dist Raigad - 402 107, Maharashtra, India.
CIN. : L27102MH1994PLC152925
Phone : +91 2143 277501-15
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BY COURIER

October 15, 2020

JSWSL/ENV/MOEF&CC/2020

To

Regional Officer,
Ministry of Environment, Forests & Climate Change
Regional Office, (West Central Zone)
Ground Floor, East Wing,
New Secretarial Building, Civil Line,
Nagpur - 440001.

Sub: Submission of Six Monthly Environmental Monitoring Reports for Integrated Steel Plant for the Period of April 2020 to September 2020.

Ref: i) EC from MoEF vide F No J-11011 / 4 / 96 - IA - II dated 31st December 1996.
ii) EC from MoEF, vide F No J-11011/166/2011-IA-II (I) dated 21st November 2012.
iii) EC from MoEF, vide F No J-11011/176/2013-IA-II (I) dated 25th August 2015.

Dear Sir,

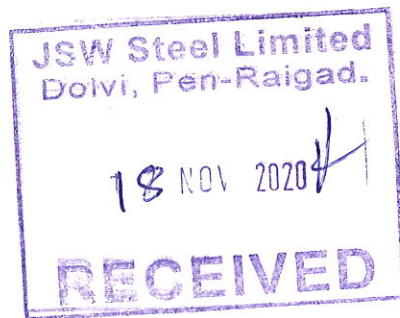
Please find enclosed the six monthly Environmental Monitoring Reports for the period of April 2020 to September 2020 for Integrated Steel Plant. Report contains the analysis of Cooling Tower Blow Down, Treated & Untreated Effluent from Sponge Iron Plant, Stack Emissions and Work Zone Air Quality from Sponge Iron Plant, Hot Strip Mill Plant, Blast Furnace Plant, Lime Calcining Plant, Captive Power Plant, Sinter Plant-I, Sinter Plant-II, Billet Caster and Bar Mill and Ambient Air Quality for the Integrated Steel Plant.

This is for your information and record please.

Thanking You,

Yours Faithfully,
For JSW Steel Limited,

Dr. Anand Rai.
General Manager (HOD-Environment)



- CC: 1) The Director, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh, Lodi Road, New Delhi-110003 for kind information.
2) The Zonal officer, CPCB, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara-390 023, Gujarat.
3) The Regional Officer, MPCB, Raigad, Raigad Bhavan, CBD Belapur, Navi Mumbai



Part of O.P. Jindal Group

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Bandra Kurla Complex,
Bandra(East), Mumbai - 400 051.
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JSW STEEL LIMITED
GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107

SPONGE IRON PLANT

COOLING TOWER BLOWDOWN WATER ANALYSIS REPORT

Sr. No.	PARAMETERS	UNIT	VALUES					
			Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
1	Chromium	mg/l	0.0017	0.0019	0.0022	0.0017	0.0014	0.0019
2	Zinc	mg/l	0.096	0.098	0.097	0.096	0.100	0.098
3	Phosphate	mg/l	0.95	0.86	0.89	0.95	0.98	0.86
4	Free Chlorine	mg/l	Nil	Nil	Nil	Nil	Nil	Nil


Prepared By
P. P. Nandusekar
Assistant Manager (Environment)


Checked By
Dr. Anand Rai
General Manager (HOD-Environment)

JSW STEEL LIMITED
GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107

SPONGE IRON PLANT

SIX MONTHLY TREATED EFFLUENT ANALYSIS REPORT

SR. NO.	PARAMETERS	UNIT	VALUES					
			Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
1	Temperature	°C	27.1	27.2	27.0	27.20	27.10	27.20
2	pH	-	7.2	7.2	7.2	7.30	7.20	7.30
3	D.O.	mg/l	5.1	5.2	5.4	5.20	5.30	5.30
4	T.S.S.	mg/l	17.7	18.4	18.5	18.40	18.20	18.40
5	T.D.S.	mg/l	263.0	279.0	265.0	258.00	273.00	258.00
6	C.O.D.	mg/l	26.7	50.7	28.5	26.70	26.80	23.10
7	B.O.D.	mg/l	6.9	6.9	6.8	6.70	6.80	7.00
8	Oil & Grease	mg/l	3.3	3.2	3.5	2.80	3.20	3.30
9	Iron	mg/l	0.27	0.3	0.3	0.30	0.28	0.30
10	Chlorides	mg/l	51.7	53.3	53.3	51.65	49.98	51.65
11	Sulphates	mg/l	2.3	2.2	2.3	2.17	2.23	2.26
12	Bioassay Test on 100 % Effluent for 96 Hours.	Survival Rate	100%	100%	100%	100%	100%	100%
13	Receiving Water Body Temperature	°C	27.20	27.20	27.00	27.20	27.20	27.20



Prepared By
P. P. Nandusekar
Assistant. Manager (Environment)



Checked By
Dr. Anand Rai.
General Manager (HOD-Environment)

JSW STEEL LIMITED
GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107

SPONGE IRON PLANT

SIX MONTHLY UNTREATED EFFLUENT ANALYSIS REPORT

SR. NO.	PARAMETERS	UNIT	VALUES					
			Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
1	Temperature	°C	57	57	57.4	57.20	57.30	57.20
2	pH	-	8.3	8.3	8.2	8.30	8.20	8.20
3	D.O.	mg/l	2.2	2.3	2.2	2.30	2.20	2.20
4	T.S.S.	mg/l	556.0	553.6	548.6	252.20	551.00	552.80
5	T.D.S.	mg/l	453.0	434.0	454.0	455.00	457.00	449.00
6	C.O.D.	mg/l	37.1	42.9	40.1	40.20	37.50	34.90
7	B.O.D.	mg/l	7.4	7.8	7.4	7.50	7.10	7.40
8	Oil & Grease	mg/l	4.8	4.8	5.2	5.20	4.80	4.80
9	Iron	mg/l	1.2	1.3	1.24	1.24	1.23	1.23
10	Chlorides	mg/l	150.0	135.0	147.45	147.45	144.95	147.45
11	Sulphates	mg/l	3.4	3.3	3.26	3.16	3.22	3.33

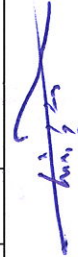

Prepared By
P. P. Nandusekar
Assistant Manager (Environment)


Checked By
Dr. Anand Rai
General Manager (HOD-Environment)

JSW STEEL LIMITED
JETA PURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIG
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : APRIL, 2020

Location	Near Kasumata Temple				Near Coke Oven Plant				Near MSEB Substation				Near Goa Gate				Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
01/04/2020		29.22	12.91	16.96	1.86			20.13	17.09	0.85	17.29	49.17	12.45		0.33	16.59	29.3	26.79	10.96	
02/04/2020		37.13	12.93	16.94	1.97			18.05	17.08	0.45	20.58	54.94	12.42		0.35	21.47	36.95	26.96	12.66	
03/04/2020		35.9	12.87	12.75	1.86			15.54	17.09	0.49	20.31	56.47	12.37		0.39	19.45	37.42	26.97	10.5	
04/04/2020		35.82	13.07	12.59	1.86			16.54	17.07	1.32	19.61	55.23	12.28		0.43	20.55	39.91	27.02	10.49	
05/04/2020		32.24	13.13	12.42	1.86			10.3	17.07	0.68	17.46	49.26	12.2		0.47	18.19	33.32	26.67	10.75	
06/04/2020		42.42	13.64	12.24	1.89			23.58	17.06	0.57	15.33	40.07	12.2		0.5	15.2	30.65	27.03	9.99	
07/04/2020		57.92	16.55	12.62	1.82			9.99	17.08	0.95	17.18	46.44	12.28		0.49	16.52	38.42	26.99	14.29	
08/04/2020		47.03	16.7	12.72	1.2			19.01	17.07	0.32	20.15	57.42	12.11		0.48	14.76	41.72	26.57	9.91	
09/04/2020	Under Maintenance	48.03	13.19	12.72	1.98			14.15	17.08	1.56	22.47	70.77	12.24		0.45	15.12	37.99	26.47	8.8	
10/04/2020		33.22	13.01	13.12	1.91			15.97	17.08	1.24	21.08	62.66	12.43		0.45	18.12	37.95	26.89	11.02	
11/04/2020		38.32	12.93	12.85	1.94			27.87	17.08	1.58	23.58	65.44	12.22		0.46	20.99	43.93	27.11	8.58	
12/04/2020		38.13	12.76	12.74	1.89			25.51	17.07	1.64	18.79	47.46	12.02		0.46	21.18	37.85	27.06	17.27	
13/04/2020		46.98	12.92	12.77	1.85			22	16.74	1.36	16.34	43.46	12.16		0.45	14.71	34.52	26.78	14.04	
14/04/2020		38.33	12.85	13	1.89			31.2	17.08	0.98	19.02	52.57	12.05		0.45	17.37	38.6	26.93	13.79	
15/04/2020		48.58	12.89	13.2	1.91			30.11	17.09	0.78	16.37	41.85	12.02	Under Maintenance	0.47	16.64	38.29	26.91	20.42	Under Maintenance
16/04/2020		40.76	13.37	12.93	1.87			27.32	17.08	0.68	11.04	29.77	12.05		0.5	15.94	20.38	27.86	19.79	
17/04/2020		32.1	13.65	13.07	1.87			13.98	17.08	0.23	12.46	35.7	12.31		0.52	14.76		27.37	10.27	
18/04/2020		30.46	13.15	13.89	1.89			28.13	17.09		13.59	38.21	12.12		0.54	17.65		27.31	11.93	
19/04/2020	9.5	89.97	14.58	15.31	1.97			14.85	17.04		15.23	46.45	12.39		0.56	14.34		27.88	8.81	
20/04/2020	16.43	65.38	13.81	15.29	1.63			34.89	17.05		24.62	78.76	12.35		0.59	24.83		28.08	17.41	
21/04/2020	12.08	55.63	13.77	15.16	1.84			27.71	17.09		15.41	42.53	12.19		0.63	22.56		27.59	18.98	
22/04/2020	11.14	65.72	13.88	15.76	1.94			26.34	17.08		15.47	49.92	12.03		0.65	23.56		28.06	14.6	
23/04/2020	8.38	40.72	13.5	15.97	1.88			30.11	17.07	Under Maintenance	15.7	48.12	12.1		0.66	19.81	Under Maintenance	27.96	14.69	
24/04/2020	9.81	48.74	13.53	16.1	1.98			22.99	17.09		14.73	44.55	12.19		0.67	22.44		28.03	13.14	
25/04/2020	9.53	41.23	14.04	16.36	1.94			13.39	17.08		14.09	38.88	11.99		0.69	17.74		27.59	10.64	
26/04/2020	10.1	48.88	13.66	16.51	1.95			23.57	17.09		14.65	45.96	12.14		0.71	15		28.2	7.8	
27/04/2020	8.43	43.42	13.72	16.72	1.95			8.66	17.07		13.86	43.96	12.12		0.74	15.42		28.42	11.31	
28/04/2020	7.81	27.9	13.38	16.65	1.91			16.43	17.07		17.79	65.39	12.38		0.76	19.97		28.46	11.91	
29/04/2020	10	58.94	13.21	17.05	1.97			21.09	17.03		15.14	40.96	12.6		0.78	21.69		28.41	18.67	
30/04/2020	17.75	84.52	13.59	16.9	1.87			36.88	17.07		13.78	37.28	12.59		0.79	23.18		28.67	19.5	

Month	Day Time	Night Time
Apr-20	64	63
Standards	< 75	< 70


 Prepared By
P.P. Nandusekar
 Asst. Manager (Environment)


 Checked By
Dr. Anand Rai
 General Manager (HOD-Environment)

JSW STEEL LIMITED
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : May, 2020

Location	Near Kasumata Temple						Near Coke Oven Plant				Near MSEB Substation						Near Goa Gate						Near Dolvi Village			
Date	PM2.5	PM10	SO2	NOX	CO		PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
01-05-2020	5.95	21.5	13.23	17.13	1.84					17.09	0	11.6	32.01	12.34		0.78	17.27		28.64	13.02						
02-05-2020	6.22	25.67	13.45	17.42	1.93					17.09	0	14.03	45.24	12.08		0.78	15.62		28.68	13.46						
03-05-2020	6.79	26.17	13.35	17.42	1.93					17.07	0	13.45	42.32	12.08		0.79	15.05	Under maintenance	28.66	7.66						
04-05-2020	6.87	30.37	13.25	17.86	1.88					17.1	0	11.36	35.77	12.53		0.82	15.74		28.82	14.74						
05-05-2020	11.31	41.58	13.42	17.85	1.96					17.09	0	16.03	56.38	12.51		0.83	17.21		28.41	10.97						
06-05-2020	12.12	36.45	13.8	19.88	2.05					17.07	0	13.39	56.79	12.25		0.9	19.68	52.42	28.41	10.56						
07-05-2020	13.03	39.4	13.37	21.78	2.06					17.08	0	15.77	57.81	12.05		0.9	21.1	57.8	28.08	17.23						
08-05-2020										17.03	0	13.64	42.26	12.18		0.91	22.44	61.18	28.04	17.41						
09-05-2020										16.37	0	13.73	45.61	12.1		0.91	21.69	48.83	28.37	12.16						
10-05-2020										17.08	0	12.97	40.73	12.22		0.91	12.99	43.45	28.37	11.79						
11-05-2020										17.39	0	15.15	47.15	12.16		0.91	14.53	46.35	28.45	13.94						
12-05-2020										10.09	0	16.52	55.39	12.37		0.92	14.32	43.28	28.62	13.62						
13-05-2020										0.19	0	13.51	77.37	11.97		1	19.15	64.11	28.8	20.21						
14-05-2020										0.45	0	16.5	59.43	12.23		0.94	11.97	41.09	28.79	12.68						
15-05-2020										0.17	2.12						15.95	38.66	28.82	13.79	Under Maintenance					
16-05-2020										0.01	0						20.96	35.51	28.97	13.74	Under Maintenance					
17-05-2020										0.02	0						16.76	46.17	28.74	7.65	Under Maintenance					
18-05-2020										10.18	0						17	50.54	28.83	11.04	Under Maintenance					
19-05-2020										0	0						14.41	50.37	28.85	12.68	Under Maintenance					
20-05-2020										0.81	0						19.59	74.07	28.75	17.09	Under Maintenance					
21-05-2020											0						15	55.8	28.9	17.05	Under Maintenance					
22-05-2020											0						14.44	47.35	28.53	11.22	Under Maintenance					
23-05-2020	3.55	23.38	13.84	20.14	2.13					17.1	0						19.19	62.99	28.83	17.52	Under Maintenance					
24-05-2020	2.09	17.39	13.68	19.09	2.1					0	0						13.13	41.56	28.58	11.85	Under Maintenance					
25-05-2020	2.15	18.58	13.56	18.67	2.1					0	0						15.6	49.12	28.84	12.18	Under Maintenance					
26-05-2020	1.89	22.93	13.62	18.58	2.11					0	0						24.56	58.22	28.35	21.73	Under Maintenance					
27-05-2020	2.48	23.63	13.72	18.48	2.09					0	0						16.06	51.08	28.78	16.51	Under Maintenance					
28-05-2020	2.6	64.66	14.41	18.53	2.27					0	0						15.56	49.08	29.17	17.96	Under Maintenance					
29-05-2020	1.81	36.16	14.45	18.33	1.99					0.11	0						17.59	66.05	29.05	20.78	Under Maintenance					
30-05-2020	2.46	27.58	13.77	18.01	1.5					0	0						10.18	42.45	29.1	11.2	Under Maintenance					
31-05-2020	2.21	25.35	13.65	18.32	1.46					0	0						11.33	41.59	29.14	10.14	Under Maintenance					

Month	Day	Night
May-20	64	63
Standards	< 75	< 70

Prepared By
P.P.Nandusekar
Asst. Manager (Environment)

Checked By
Anand Rai
General Manager (HOD-Environment)

JSW STEEL LIMITED
ETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIGAD
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : June, 2020

Location	Near Kasumata Temple						Near Coke Oven Plant						Near MSEB Substation						Near Goa Gate						Near Dolvi Village			
	Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO		
01/06/2020		2.4	51.16	14.06	18.98	1.69											15.96	46.01	29.31	14.89								
02/06/2020		3.04	42.69	13.98	19.99	1.61											11.38	23.02	29.35	12.98								
03/06/2020		16.53	27.5	14.35	37.53	1.65											7.76	5.66	29.52	10.35								
04/06/2020		6.9	89.74	14.53	24.68	2.03											9.41		29.67	13.52								
05/06/2020		3.91	92.5	15.35	20.42	2.01											10.44		29.58	13.67								
06/06/2020		3.89	96.42	14.57	20.13	1.91											8.96		29.32	11.25								
07/06/2020		3.98	96.27	14.34	17.55	1.88											9.28		29.31	8.57								
08/06/2020		3.06	78.02	14.63	18.39	2.01											12.04	97.8	29.38	12.45								
09/06/2020		3.52	96.32	14.31	17.45	1.81											17.79	69.79	29.34	13.7								
10/06/2020		3.33	65.99	14.47	17.6	1.89											15.82	56.47	29.25	14.93								
11/06/2020		4.6	94.12	14.95	17.96	2.02											16.53	13.76	29.4	29.76								
12/06/2020		3.36	90.09	14.87	18.1	2.38											7.91		29.82	8.91								
13/06/2020		3.29	68.22	14.96	18.1	2.12											16.35		30.01	7.81								
14/06/2020		3.78	66.98	14.71	18.28	2.09											6.29		30.1	8.52								
15/06/2020		3.55	59.99	15.19	17.94	2.23											8.2	35.11	30.22	10.86								
16/06/2020		3.87	92.8	14.83	16.84	1.95											7.01	14.27	30.26	10.56								
17/06/2020		3.54	90.56	14.99	18.02	2.18											7.68	10.54	30.39	10.38								
18/06/2020		3.27	90.02	15.5	20.44	2.21											5.51		30.45	11.1								
19/06/2020		8.79	84.21	15.2	21.62	1.93											8.53	61.61	30.44	12.21								
20/06/2020		3.53	93.67	15.81	18.93	2.14											11.28	64.33	30.39	10.52								
21/06/2020		3.64	94.29	15.93	18.77	2.36											8.19	29.47	30.4	7.96								
22/06/2020		3.14	74.33	16.09	18.25	1.99											8.76	51.59	30.37	10.39								
23/06/2020		4.15	90.99	16.28	18.37	2.92											9.13	53.75	30.42	9.07								
24/06/2020		3.23	65.43	16.07	18.98	2.51											7.81	46.38	30.52	10.59								
25/06/2020		3.51	58.2	15.12	18.33	1.99											12.46	75.37	30.63	11.88								
26/06/2020		3.11	53.47	15.31	18.05	2.27											11.72	51.26	30.74	13.82								
27/06/2020		2.76	50.12	15	18.28	2.29											15.56	76.08	30.84	15.38								
28/06/2020		3.19	40.32	14.94	18.51	2											11.55	47.62	30.84	9.96								
29/06/2020		2.67	61.85	14.84	18.39	1.79											9.56	52.95	30.82	12.97								
30/06/2020		3.49	56.64	14.57	18.8	2											10.0788	94.03	30.8733	10.78542								

Month	Day	Night
Jun-20	64	63
Standards	< 75	< 70

Prepared By
P.P.Nandusekar
Asst. Manager (Environment)

Checked By
Dr. Anand Rai
General Manager (HOD-Environment)

JSW STEEL LIMITED
 JETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIG
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : July, 2020

Location	Near Kasumata Temple				Near Coke Oven Plant				Near MSEB Substation				Near Goa Gate				Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
01/07/2020	2.91	78.46	14.92	18.57	2.17						4.57	9.71	12.87		0.61	7.42	57.30	30.77	8.92	
02/07/2020	3.17	94.33	14.67	18.5	2.11						3.93	8.05	12.28		0.72	5.98	61.99	30.79	8.46	
03/07/2020	3.24	86.2	14.99	19.32	2.18											5.56	22.59	30.79	12.72	
04/07/2020	6.78	18.32	15.41	30.64	1.92											7.16	22.11	31.11	14.50	
05/07/2020	10.21	49.64	15.38	29.79	1.91											6.12	24.53	31.01	7.23	
06/07/2020	3.05	18.66	14.63	29.09	1.74											7.91	37.58	31.18	8.45	
07/07/2020	4.2	76.56	15.52	37.42	1.86											10.59	13.09	31.33	19.48	
08/07/2020	3.34	84.51	15.18	21.09	1.91											9.17	30.54	31.05	15.64	
09/07/2020	3.32	78.94	15.58	25.89	2.16											7.79	41.51	31.11	14.02	
10/07/2020	3.06	92.34	15.52	24.65	2.14											6.80	35.64	30.62	11.68	
11/07/2020	59.25	87.51	15.09	27.21	2.21											6.05	41.17	30.88	11.09	
12/07/2020	30.51	80.67	15.12	25.04	2.48															
13/07/2020	26.22	95.86	15.01	24	2.34						4.49	10.50	12.05		0.57	4.18	9.29	30.47	7.96	
14/07/2020	23.5	90.79	15	24.54	2.24						5.48	12.54	12.08		0.58	6.46	21.29	28.99	10.68	
15/07/2020	24.31	94.41	15.3	28.52	2.06						4.44	9.35	12.05		0.57	4.93	17.47	31.38	14.16	
16/07/2020	57.41	83.45	16.59	42.78	1.92						2.38	6.70	12.05		0.57	5.13	11.09	31.48	13.34	
17/07/2020	39.06	89.75	17.61	35.32	1.93						4.10	8.78	12.31		0.42	3.94	13.28	31.52	8.44	
18/07/2020	27.55	90.74	16.39	29.71	1.67						3.18	9.41	12.54		0.81	3.33	10.21	31.26	9.50	
19/07/2020	21.39	68.27	16.04	30.48	1.61						4.80	10.48	12.65		0.45	5.89	14.89	31.48	10.58	
20/07/2020	16.29	57.42	15.51	24.72	1.54						5.12	12.64	12.74		0.43	15.00	65.19	31.70	18.34	
21/07/2020	28.93	62.45	15.63	30.27	1.58						8.60	20.38	12.68		0.65	12.87	80.70	31.63	13.95	
22/07/2020	10.56	39.03	15.55	23.98	1.58						8.74	16.87	13.84		0.71	12.45	73.09	31.53	12.78	
23/07/2020	15.2	47.97	15.58	28.42	1.58						9.42	19.80	11.34		0.63	8.93	71.34	31.72	13.57	
24/07/2020	16.12	57.65	15.33	25.48	1.65						5.84	15.04	11.95		0.45	10.13	34.34	31.66	15.87	
25/07/2020	17.66	86.15	15.05	27.23	1.65						4.86	20.09	11.73		0.45	7.56	29.89	31.68	13.24	
26/07/2020	19.7	96.78	15.53	28.14	1.7						4.91	23.54	12.47		0.74	6.96	28.54	31.96	14.43	
27/07/2020	24.55	84.75	15.81	33.82	1.76						6.52	18.75	13.24		0.53	11.30	94.56	31.68	11.61	
28/07/2020	22.3	88.5	15.67	30.68	1.88						6.78	16.45	12.80		0.84	4.36	8.83	31.92	12.36	
29/07/2020	20.64	78.1	15.55	31.67	1.73						3.26	6.44	12.87		0.46	2.86	10.70	31.98	14.90	
30/07/2020	20.84	78.58	15.43	31.72	1.63						8.17	10.50	12.70		0.47	4.54	64.96	32.46	18.44	
31/07/2020	15.4	59.94	15.27	30.91	1.13						5.85	13.74	12.45		0.45	6.74	20.02	32.22	19.59	
											5.12	16.12	11.07		0.50	5.18	30.45	32.18	16.85	

Month	Day	Night
Jul-20	64	63
Standards	< 75	< 70

Prepared By
 P.P.Nandusekar
 Asst. Manager (Environment)

Checked By
 Dr. Anand Rai
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JSW STEEL LIMITED
JETA PURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIG
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : August, 2020

Location	Near Kasumata Temple				Near Coke Oven Plant				Near MSEB Substation				Near Goa Gate				Near Dolvi Village			
	Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX
01-08-2020		30.16	89.1	15.58	34.41	0.84														
02-08-2020		44.25	81.24	15.8	38.74	1.47														
03-08-2020		35.82	60.24	15.85	34.89	0.79														
04-08-2020		6.11	20.19	15.16	21.17	2.44														
05-08-2020		6.02	19.38	14.7	24.7	2.4														
06-08-2020		5.26	12.6	14.73	25.83	2.42														
07-08-2020		6.46	19.52	14.94	18	2.45														
08-08-2020		7.69	19.68	14.84	19.52	2.48														
09-08-2020		6.96	18.77	14.83	25.74	2.48														
10-08-2020		18.74	91.53	14.74	29.25	2.49														
11-08-2020		14.91	60.33	15.52	29.74	2.56														
12-08-2020		6.6	18.72	14.96	25.96	2.45														
13-08-2020		6.19	19.07	14.69	25.95	2.45														
14-08-2020		6.12	17.89	14.89	26.75	2.47														
15-08-2020		6.95	18.03	14.7	25.91	2.46														
16-08-2020		6.62	16.81	14.47	24.68	2.46														
17-08-2020		7.39	24.03	14.71	26.11	2.51														
18-08-2020		9.61	32.52	16.01	28.28	3														
19-08-2020		11.73	42.39	15.72	26.16	2.59														
20-08-2020		6.05	18.82	15.42	26.42	2.65														
21-08-2020		6.81	22.34	15.57	26.89	2.65														
22-08-2020		5.2	15.19	15.16	26.29	2.48														
23-08-2020		5.27	14.11	15.11	26.17	2.48														
24-08-2020		5.58	16.9	15.01	25.34	2.52														
25-08-2020		7.81	24.74	15.16	27.02	2.54														
26-08-2020		20.42	84.18	15.79	30.52	2.61														
27-08-2020		18.57	72.24	16.05	30.02	2.73														
28-08-2020		23.29	86.88	17.32	35.33	2.69														
29-08-2020		25.89	76.54	17.39	36.97	2.84														
30-08-2020		19.37	72.91	16.51	31.81	2.68														
31-08-2020		13.48	45.5	16.46	20.1	2.6														

Month	Day	Night
Aug-20	64	63
Standards	< 75	< 70


 Prepared By
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 General Manager (HOD-Environment)

Under Maintenance

Under Maintenance

Under Maintenance

Under Maintenance

Under Maintenance

JSW STEEL LIMITED
 JEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAI
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : September, 2020

Location	Near Kasumata Temple					Near Coke Oven Plant					Near MSEB Substation					Near Goa Gate					Near Dolvi Village				
	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
01/09/2020	16.7	64.39	15.83	23.23	2.17																				
02/09/2020	12.55	35.99	15.75	24.85	1.21																				
03/09/2020	11.66	36.23	15.56	28.3																					
04/09/2020	13.91	42.26	15.43	26.26																					
05/09/2020	19.76	57.88	15.53	23.97																					
06/09/2020	23.12	75.6	15.36	24.69	Under Maintenance																				
07/09/2020	14.41	52.59	15.66	27.82																					
08/09/2020	14.69	45.62	15.14	26.12																					
09/09/2020	13.9	43.17	15.36	31.18																					
10/09/2020	18.01	50.8	15.82	29.75																					
11/09/2020	12.24	34.18	15.82	32.16																					
12/09/2020	13.49	52.68	16.1	38.22	1.89																				
13/09/2020	21.33	89.22	16.32	37.35	1.49																				
14/09/2020	22.64	92.8	16.29	40.18	1.49																				
15/09/2020	14.3	57.01	16.8	37.36	1.6																				
16/09/2020	14.05	48.34	16.2	37.68	1.62																				
17/09/2020	10.48	31.46	16.26	34.22	1.54																				
18/09/2020	11.24	31.88	16.69	34.39	1.75																				
19/09/2020	6.5	22.77	16.24	33.53	1.4																				
20/09/2020	12.06	18.33	16.09	36.55	1.41																				
21/09/2020	11.61	30.32	16.03	37.33	1.65																				
22/09/2020	9.96	26.86	15.87	35.07	1.61																				
23/09/2020	10.57	16.9	16.68	36.62	1.67																				
24/09/2020	9.01	20.38	17.49	37.26	1.58																				
25/09/2020	10.74	28.53	16.78	35.97	1.67																				
26/09/2020	13.85	47.16	17.09	25.18	1.55																				
27/09/2020	13.46	43.2	16.79	27.06	1.56																				
28/09/2020	14.93	45.29	24.36	31.8	1.63																				
29/09/2020	17.52	58.88	18.51	30.06	1.66																				
30/09/2020	18.5	62.47	17.47	30.57	1.6																				

Month	Day Time	Night Time
Sep-20	63	62
Standards	< 75	< 70


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Under Maintenance

Power Supply Failure (UPS power card damaged, due to high power pickup) Now UPS under repairing

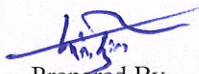
Under Maintenance

JSW STEEL LIMITED

GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST.- RAIGAD.

WORK PLACE AIR QUALITY MONITORING REPORT

Sr. No.	LOCATION	DATE	PM10 (µg/m3)	SO ₂ (µg/m3)	NO _x (µg/m3)
A) Sponge Iron Plant					
1	Near Raw Material Handling Area	20-04-2020	1798.86	1.56	15.42
		26-05-2020	1431.06	1.56	14.80
		10-06-2020	662.71	3.88	17.88
		09-07-2020	1112.78	1.56	160.33
		13-08-2020	1442.42	1.56	16.65
		05-09-2020	976.60	4.86	18.50
2	Near Raw Material Feeding Area	20-04-2020	1826.99	3.88	15.42
		26-05-2020	1924.81	3.67	16.03
		11-06-2020	674.92	3.45	22.20
		09-07-2020	796.74	4.10	17.88
		14-08-2020	915.04	4.53	19.11
		05-09-2020	1342.32	5.52	15.76
3	Near Raw Material Screen Area	20-04-2020	1810.33	4.10	19.11
		26-05-2020	1972.04	4.53	19.73
		11-06-2020	615.93	4.96	19.11
		09-07-2020	1058.52	5.18	20.96
		14-08-2020	1051.11	5.40	21.58
		07-09-2020	1095.56	5.04	17.81
4	Near Raw Material Silo	20-04-2020	1985.04	15.11	15.42
		26-05-2020	1980.87	19.42	16.03
		10-06-2020	571.30	4.10	22.20
		09-07-2020	1024.07	3.02	16.03
		13-08-2020	1171.85	3.24	16.65
		02-09-2020	1961.78	3.88	14.80
5	Near Furnace Area	21-04-2020	1558.68	3.24	13.57
		27-05-2020	1378.52	3.45	14.18
		10-06-2020	1591.05	4.96	13.57
		10-07-2020	1163.89	3.45	15.42
		13-08-2020	993.84	3.45	16.03
		02-09-2020	1484.50	4.10	16.03
6	Near Product Screen House	21-04-2020	1964.20	4.53	61.66
		27-05-2020	1909.85	4.75	36.38
		10-06-2020	1913.27	6.04	42.55
		10-07-2020	1461.17	4.75	49.33
		14-08-2020	1159.07	4.96	55.49
		04-09-2020	1986.46	3.45	14.18
7	Near Product Silo	21-04-2020	1957.81	15.11	17.27
		27-05-2020	1955.07	17.27	17.88
		11-06-2020	1692.75	5.40	38.23
		10-07-2020	767.57	17.27	19.73
		13-08-2020	1253.33	15.11	20.35
		03-09-2020	1968.17	3.88	16.65
8	Loading Point	21-04-2020	1457.04	3.88	19.73
		27-05-2020	1743.18	4.10	19.11
		11-06-2020	450.00	5.61	27.75
		10-07-2020	639.31	4.75	21.58
		14-08-2020	997.46	4.96	22.20
		03-09-2020	811.63	3.45	16.03



Prepared By
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Asst. Manager (Environment)



Checked By
Dr. Anand Rai

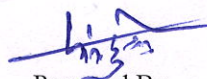
General Manager (HOD-Environment)

B) Hot Strip Mill Plant

1	Near Gas Cleaning Plant Stack - I Control Room	11-04-2020	1914.02	3.02	13.57
		28-05-2020	1846.30	3.45	14.18
		17-06-2020	549.61	2.59	14.80
		06-07-2020	975.74	3.88	14.80
		24-08-2020	851.63	3.67	15.42
		19-09-2020	1097.83	4.86	18.50
2	Near Gas Cleaning Plant Stack - II Control Room	11-04-2020	1494.02	3.24	16.03
		28-05-2020	2235.61	3.02	16.65
		17-06-2020	528.82	2.37	15.42
		06-07-2020	851.67	3.02	17.88
		24-08-2020	851.63	3.67	15.42
		19-09-2020	965.94	5.28	17.81
3	Near Electric Arc Furnace Shell No. 1 & 2	11-04-2020	2132.43	6.04	32.06
		28-05-2020	2082.97	6.26	33.30
		19-06-2020	300.18	6.04	33.91
		06-07-2020	1428.44	6.26	35.15
		24-08-2020	971.56	3.24	17.27
		21-09-2020	2939.31	5.04	18.50
4	Near Electric Arc Furnace Shell No. 3 & 4	11-04-2020	2623.78	2.59	43.78
		28-05-2020	1832.96	2.81	44.40
		18-06-2020	494.92	4.32	17.88
		06-07-2020	1832.95	3.24	45.63
		25-08-2020	2827.92	3.45	46.25
		21-09-2020	2298.64	4.10	13.57
5	Near Caster Control Room	11-04-2020	1811.93	3.88	22.20
		29-05-2020	2130.93	3.67	21.58
		19-06-2020	2415.17	2.59	37.61
		07-07-2020	1020.93	4.10	20.97
		25-08-2020	1340.22	6.69	34.53
		23-09-2020	2007.56	3.45	16.03
6	Near Mould & Segment Repair Shop	11-04-2020	1007.99	2.81	15.42
		29-05-2020	783.70	3.24	14.80
		18-06-2020	2355.59	4.10	16.03
		07-07-2020	779.89	2.81	14.80
		24-08-2020	1163.22	3.45	15.42
		22-09-2020	1505.43	4.10	14.18
7	Mill Area	11-04-2020	1000.36	15.54	11.72
		29-05-2020	960.74	14.89	12.95
		19-06-2020	1083.01	2.59	27.13
		07-07-2020	692.39	15.11	14.18
		24-08-2020	819.93	15.32	13.57
		22-09-2020	593.48	3.88	14.80

C) Lime Calcining Plant

1	Near Kiln I & II Lime Dedusting System Area	16-04-2020	1960.14	3.88	17.27
		25-05-2020	1850.38	4.10	17.88
		12-06-2020	2098.13	3.67	14.18
		08-07-2020	1114.63	4.75	16.65
		07-08-2020	946.74	4.96	17.27
		09-09-2020	957.25	4.86	16.96
2	Near Product Storage & Quick Lime Building	16-04-2020	2463.83	3.45	19.73
		25-05-2020	2022.78	3.67	20.35
		12-06-2020	1736.78	3.24	17.27
		08-07-2020	894.20	3.67	21.58
		10-08-2020	1315.15	3.88	22.20
		10-09-2020	540.15	4.56	17.81



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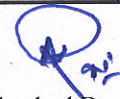
Checked By
Dr. Anand Rai
General Manager (HOD-Environment)

3	Lime Stone Feeding Building LCP-4	16-04-2020	2716.25	5.40	20.35
		25-05-2020	2307.58	5.61	19.73
		12-06-2020	1452.27	4.96	20.35
		08-07-2020	1091.67	6.26	19.12
		08-08-2020	1025.19	6.69	19.73
		09-09-2020	1049.63	3.84	16.44
4	Lime Dedusting System Area LCP-4	16-04-2020	2080.07	4.75	18.50
		25-05-2020	1979.26	4.96	19.12
		12-06-2020	2059.81	5.18	24.05
		08-07-2020	1257.04	5.61	20.35
		11-08-2020	1398.11	5.40	20.97
		10-09-2020	1856.82	3.24	16.65

D) Blast Furnace					
1	Near Stock House	26-04-2020	2591.48	5.83	17.27
		22-05-2020	1669.58	5.61	17.88
		10-06-2020	2728.95	6.91	17.27
		16-07-2020	1430.68	5.61	20.35
		06-08-2020	1848.48	5.83	21.58
		12-09-2020	2741.48	4.86	18.50
2	Near Stove Area	26-04-2020	763.10	3.24	22.20
		22-05-2020	1063.41	3.02	21.58
		12-06-2020	264.63	5.18	20.35
		16-07-2020	981.67	3.45	22.82
		05-08-2020	863.22	3.67	24.05
		10-09-2020	990.80	5.52	15.76
3	Near Cast House (East)	26-04-2020	1722.04	17.27	35.77
		22-05-2020	2155.49	15.11	35.15
		16-06-2020	1748.70	6.91	31.45
		16-07-2020	1593.37	2.37	36.38
		06-08-2020	1147.73	2.59	35.77
		10-09-2020	1280.73	5.76	15.07
4	Near Cast House (West)	26-04-2020	1840.53	5.61	42.55
		22-05-2020	1822.73	5.83	42.55
		17-06-2020	2340.28	4.53	40.08
		16-07-2020	1894.70	6.04	44.40
		07-08-2020	1267.99	5.83	45.02
		11-09-2020	1057.48	3.88	14.80
5	Near Slag Granulation Plant	27-04-2020	973.13	3.45	25.90
		23-05-2020	1744.13	3.24	26.52
		11-06-2020	726.30	5.40	25.90
		17-07-2020	885.14	3.67	26.52
		05-08-2020	928.62	3.88	27.13
		11-09-2020	581.08	4.10	14.18
6	Near Pig Casting Machine -I	27-04-2020	1496.78	3.24	15.42
		23-05-2020	1240.93	3.45	16.03
		13-06-2020	285.14	5.61	37.62
		17-07-2020	990.76	3.45	16.03
		06-08-2020	1214.58	4.75	16.65
		11-09-2020	742.02	3.88	13.57
7	Near Pig Casting Machine -II	27-04-2020	1090.97	3.02	17.27
		23-05-2020	1182.59	2.81	19.12
		15-06-2020	556.11	4.53	19.12
		17-07-2020	1159.09	3.24	20.35
		07-08-2020	1049.07	3.24	22.20
		11-09-2020	897.59	3.45	16.65



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E) Sinter Plant-I					
1	Near Flux & Coal Crushing House	29-04-2020	1817.80	19.42	11.10
		20-05-2020	2189.77	17.27	11.72
		13-06-2020	792.22	3.88	11.10
		17-07-2020	1244.63	2.37	13.57
		06-08-2020	1223.30	2.59	12.95
		07-09-2020	2109.15	5.13	16.19
2	Near Flux Screening & Coal Crushing House	29-04-2020	2083.90	2.37	14.18
		20-05-2020	1869.63	2.59	13.57
		13-06-2020	2311.11	4.96	14.18
		18-07-2020	1090.93	3.02	14.80
		07-08-2020	1671.78	3.24	15.42
		09-09-2020	1549.29	5.28	15.76
3	Near Proportioning House	29-04-2020	2375.42	10.79	11.72
		21-05-2020	1823.67	12.95	12.95
		13-06-2020	2688.54	4.53	13.57
		18-07-2020	1586.55	17.27	12.95
		08-08-2020	1821.78	4.10	13.57
		07-09-2020	891.18	5.76	17.81
4	Near Sintering House	29-04-2020	1109.24	6.47	16.65
		21-05-2020	1351.48	10.79	17.27
		15-06-2020	2740.74	4.75	14.80
		18-07-2020	889.17	10.79	19.11
		10-08-2020	974.09	3.45	20.35
		09-09-2020	953.80	4.10	15.42
5	Near Product Screen House	29-04-2020	2537.92	3.88	13.57
		21-05-2020	2137.50	4.10	14.18
		13-06-2020	2022.29	4.10	16.03
		18-07-2020	1777.65	6.47	16.65
		08-08-2020	2047.16	8.63	16.03
		07-09-2020	2365.10	3.88	13.57
E) Sinter Plant-II					
1	Near Sintering House	24-04-2020	1971.78	3.24	11.10
		19-05-2020	2109.07	3.45	11.72
		15-06-2020	1688.28	4.53	11.10
		20-07-2020	1477.59	3.88	13.57
		10-08-2020	1040.19	4.10	14.18
		04-09-2020	2222.96	4.86	20.04
2	Near Crushing Bldg.	24-04-2020	1110.94	2.37	12.33
		19-05-2020	2304.55	3.02	7.40
		16-06-2020	2691.36	4.96	10.48
		20-07-2020	1647.35	3.45	7.40
		10-08-2020	1152.04	3.67	6.78
		04-09-2020	1016.30	5.28	16.44
3	Near Screen Building	24-04-2020	2842.42	3.67	11.10
		19-05-2020	1980.00	3.24	10.48
		16-06-2020	1065.25	3.45	11.72
		20-07-2020	1202.78	3.45	11.72
		11-08-2020	1110.19	4.10	12.95
		05-09-2020	1195.66	5.04	15.76
4	Near Product Screen Bldg.	24-04-2020	2615.08	4.10	14.18
		19-05-2020	2349.43	4.53	14.80
		15-06-2020	2533.86	4.96	12.95
		20-07-2020	1855.68	4.96	14.80
		08-08-2020	1423.48	5.18	15.42
		04-09-2020	2671.97	3.88	12.95

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5	Near Mixing & Nodulizer Area	24-04-2020	2552.85	17.27	12.33
		20-05-2020	2158.14	19.42	6.78
		15-06-2020	2153.74	4.10	9.87
		21-07-2020	1933.52	2.59	16.03
		08-08-2020	1399.81	2.37	16.65
		05-09-2020	1750.00	4.10	13.57
6	Near Sintering Machine	24-04-2020	975.17	10.79	15.42
		20-05-2020	1334.42	12.95	16.03
		16-06-2020	336.73	4.96	13.57
		21-07-2020	1173.70	19.42	17.27
		08-08-2020	803.62	3.88	17.88
		05-09-2020	1205.32	3.88	12.95
F) BILLET CASTER					
1	Near Laddel Furnace Area	30-04-2020	1815.53	5.61	37.61
		18-05-2020	2562.50	6.04	38.23
		12-06-2020	1454.55	6.26	33.91
		21-07-2020	1235.74	6.69	39.46
		06-08-2020	1199.63	6.91	40.70
		12-09-2020	1185.19	4.10	14.80
2	Near Casting Floor (Control room) 10.6 m	30-04-2020	1928.55	3.88	21.58
		18-05-2020	2073.37	4.10	20.97
		12-06-2020	773.33	4.53	22.20
		21-07-2020	1464.20	4.96	21.58
		07-08-2020	1491.29	6.26	22.20
		12-09-2020	1065.72	4.53	16.03
3	Near Billet Caster Torch Cutter Machine	30-04-2020	1025.54	4.32	17.88
		18-05-2020	1576.30	4.53	15.42
		12-06-2020	197.59	5.61	17.27
		22-07-2020	1145.37	5.18	20.35
		07-08-2020	923.37	5.61	20.97
		12-09-2020	910.33	4.75	13.57

G) BAR MILL					
1	Near CP2 Furnace Mill Area	30-04-2020	1118.48	3.67	15.42
		18-05-2020	1287.41	4.10	16.03
		19-06-2020	1101.99	3.24	13.57
		22-07-2020	1099.46	4.96	15.42
		04-08-2020	1252.04	5.18	135.66
		23-09-2020	611.67	4.10	14.18
2	Near Bed Cooling (zero meter) Mill Area	30-04-2020	1701.45	4.75	21.58
		18-05-2020	1511.55	4.96	20.97
		19-06-2020	1897.82	3.45	23.43
		22-07-2020	1319.89	4.75	20.35
		04-08-2020	1645.27	4.75	20.97
		23-09-2020	608.52	3.88	14.80



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Integrated Steel Mill Complex
Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³				
									Particulate Matter (PM)	SO ₂	NOx	CO	
Plant Capacity: 3.0 MTPA													
1	GCP - I Stack	SMS Furnace	70.5	5.5	Bag Filters	30-04-2020 13:00 Hrs	5743.00	15.96	28.38	<1	1.50	8.90	
						01/05/2020 10:00Hrs	7172.00	15.82	27.85	1.26	1.73	9.98	
						16/06/2020 10:00Hrs	8991.00	16.39	10.48	1.90	0.20	15.91	
						17/07/2020 15:00Hrs	9085.0	16.53	12.69	1.5	0.1	7.8	
						25/08/2020 16:00Hrs	9627.0	16.58	14.28	2.3	0.1	12.6	
						22/09/2020 14:30Hrs	8270.0	17.99	26.23	5.8	28.4	18.5	
2	GCP - II Stack	SMS Furnace	70.5	5.5	Bag Filters	30-04-2020 13:00 Hrs	5743.00	6.75	9.87	<1	<1	NA	
						04/05/2020 15:00Hrs	2782.00	5.01	7.50	<1	<1	NA	
						21/06/2020 14:00Hrs	9514.00	12.31	7.32	5.09	0.37	27.41	
						06/07/2020 15:00Hrs	9238.0	7.87	12.92	3.9	0.20	1.5	
						25/08/2020 12:00Hrs	9627.0	11.95	25.23	11.2	0.80	19.8	
						22/09/2020 10:30Hrs	8270.0	12.06	36.80	14.5	24.00	22.5	
3	GCP - III Stack	SMS Furnace	66.5	3.3	Bag Filters	30-04-2020 13:00 Hrs	5743.00	5.21	38.00	<1	<1	NA	
						01/05/2020 15:25Hrs	7172.00	15.11	18.42	<1	<1	NA	
						21/06/2020 16:24Hrs	9514.00	6.81	21.27	<1	<1	NA	
						01/07/2020 14:01Hrs	8891.0	6.31	22.36	<1	<1	NA	
						26/08/2020 10:11Hrs	8694.0	11.19	11.54	<1	<1	NA	
						22/09/2020 12:00Hrs	8270.0	10.99	19.80	<1	<1	NA	
4	Tunnel Furnace - I - A Stack	Tunnel Furnace	50	1.5	Blower	22-04-2020 16:00 Hrs	365.0	11.23	4.22	8.3	1.51	3.2	
						06/05/2020 17:00Hrs	4903.0	10.22	4.28	26.9	128.07	2.7	
						20/06/2020 12:00Hrs	8829.0	10.95	4.40	125.0	17.88	0.1	
						02/07/2020 15:00Hrs	9265.0	10.20	4.38	16.6	5.71	1.2	
						06/08/2020 11:00Hrs	6386.0	10.47	4.42	77.8	24.87	0.8	
						10/09/2020 14:10Hrs	9154.0	10.36	8.40	281.5	167.70	0.1	

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO
5	Tunnel Furnace - I - B Stack	Tunnel Furnace	50	1.5	Blower	22-04-2020 15:00 Hrs	365.0	10.14	9.99	266.4	127.06	0.6
						04/05/2020 12:00Hrs	2782.0	9.82	10.00	4.0	0.69	1.0
						20/06/2020 10:00Hrs	8829.0	10.00	9.99	153.8	135.60	0.4
						06/07/2020 17:00Hrs	9238.0	8.80	9.99	12.8	23.81	0.5
						06/08/2020 10:00Hrs	6386.0	9.79	9.99	118.6	46.28	2.1
						10/09/2020 15:15Hrs	9154.0	10.83	9.20	129.9	56.40	0.7
6	Tunnel Furnace - II - A Stack	Tunnel Furnace	50	1.5	Blower	27-04-2020 12:00 Hrs	5871.0	10.25	6.50	95.7	32.70	0.1
						06/05/2020 10:00Hrs	4903.0	11.44	6.45	118.4	41.88	0.3
						18/06/2020 14:00Hrs	8578.0	10.48	6.30	215.2	51.40	1.4
						10/07/2020 10:01Hrs	8368.0	9.80	6.30	253.1	61.10	3.3
						08/08/2020 11:00Hrs	9007.0	10.16	6.31	13.8	2.84	1.4
						11/09/2020 12:30Hrs	10115.0	9.91	12.40	75.1	40.40	0.8
7	Tunnel Furnace - II - B Stack	Tunnel Furnace	50	1.5	Blower	29-04-2020 11:00 Hrs	4853.0	12.63	5.57	182.0	198.20	0.5
						12/05/2020 11:00Hrs	6133.0	10.77	5.57	58.6	2.32	0.2
						18/06/2020 10:00Hrs	8578.0	10.29	5.69	132.7	25.15	2.3
						12/07/2020 16:01Hrs	8757.0	10.44	5.71	45.7	0.97	2.1
						07/08/2020 12:00Hrs	8141.0	10.06	5.69	217.4	129.59	0.5
						11/09/2020 14:30Hrs	10115.0	10.01	9.80	341.1	210.80	8.7
8	18 TPH Boiler Stack	Boiler	65	1.8	Blower	21/04/2020 11:15Hrs	194.0	8.61	15.46	256.0	412.58	47.2
						07/05/2020 11:25Hrs	254.0	10.22	15.48	145.0	86.00	12.0
						22/06/2020 10:15Hrs	284.0	6.90	20.35	135.2	95.42	15.2
						22/07/2020 15:15Hrs	261.0	10.20	24.35	122.3	78.25	18.1
						29/08/2020 12:00Hrs	228.0	7.13	21.22	105.1	65.31	22.5
						23/09/2020 10:30Hrs	187.0	7.23	34.90	82.5	41.60	18.8
9	De-Dusting System Stack	Lime & Coke Handling System	30	1.9	Bag Filters	09/04/2020 15:35Hrs	2311.0	12.45	28.69	NA	NA	NA
						07/05/2020 15:32Hrs	6749.0	11.29	51.38	NA	NA	NA
						23/06/2020 14:00Hrs	9420.0	10.50	38.00	NA	NA	NA
						04/07/2020 10:18Hrs	8967.0	12.81	35.56	NA	NA	NA
						27/08/2020 12:20Hrs	8991.0	10.45	32.28	NA	NA	NA
						17/09/2020 15:15Hrs	9829.0	10.89	12.60	NA	NA	NA
CPCB Norms							<100	NA	50.00	NA	NA	

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO

Plant Capacity: 0.44 MTPA												
II	Lime Calcination Plant											
1	Lime Stone De-dusting system stack for Kiln I & II	Lime Stone Hopper	41.5	0.825	Bag Filters	13/04/2020 12:25Hrs 05/05/2020 10:12Hrs	180 340	9 9	19 25	NA NA	NA NA	NA NA
Due to rainy season operation is not required due to high moisture in raw material.												
2	Kiln - I Stack	Kiln - I	48.7	0.914	Bag Filters	13/04/2020 10:05Hrs 02/05/2020 10:10Hrs 12/06/2020 12:05Hrs 25/07/2020 16:00Hrs 05/08/2020 07:00Hrs 14/09/2020 11:30Hrs	96.0 249.0 233.0 257.0 258.0 285.0	15.46 7.56 11.67 6.2 23.4 13.2	18.25 14.44 36.92 6.40 13.39 24.50	25.1 21.84 25.2 0.70 12.44 10.20	10.23 8.1 10.50 1.7 33.3 28.5	14.3 11.64 12.6 27.9 34.2 33.6
3	Kiln - II Stack	Kiln - II	48.7	0.914	Bag Filters	13/04/2020 11:25Hrs 02/05/2020 16:00Hrs 12/06/2020 10:30Hrs 25/07/2020 16:00Hrs 04/08/2020 11:00Hrs 14/09/2020 10:30Hrs	84.0 238.0 262.0 300.0 212.0 262.0	16.25 7.72 21.11 17.7 25.5 19.3	21.52 14.63 29.01 12.00 42.49 19.70	38.1 41.7 38.1 0.10 22.10 26.20	22.54 19.1 21.15 6.4 28.8 12.5	31.5 26.79 32.7 27.2 32.5 28.7
4	Lime De-dusting system Stack for Kiln I & II	Lime Storage Hopper	25.5	0.825	Bag Filters	13/04/2020 10:23Hrs 05/05/2020 11:22Hrs 12/06/2020 14:15Hrs 26/07/2020 10:20Hrs 17/08/2020 11:20Hrs 14/09/2020 12:30Hrs	180.0 340.0 495.0 539.0 113.0 550.0	11.6 10.4 11.11 10.3 10.8 10.9	22.88 32.46 18.07 16.88 16.10 12.80	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA



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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO
5	Lime Stone De-dusting system stack for Kiln III	Lime Stone Hopper	35	1.4	Bag Filters	14/04/2020 12:13Hrs	148	9	18	NA	NA	NA
						05/05/2020 15:38Hrs	194	9	15	NA	NA	NA
						Due to rainy season operation is not required due to high moisture in raw material.						
6	Kiln - III Stack	Kiln - III	60	1.3	Bag Filters	14/04/2020 15:38Hrs	148	18.23	22.69	14.52	28.54	2
						08/05/2020 10:08Hrs	472	15.29	28.33	12.56	42.10	3
						27/06/2020 14:15Hrs	543	18.11	39.00	15.46	51.88	6
						18/07/2020 12:00Hrs	538.0	15.47	31.00	15.5	51.88	5.9
						20/08/2020 12:00Hrs	499.0	10.39	28.77	18.2	38.96	12.9
						16/09/2020 12:05Hrs	468.0	20.14	22.90	15.6	30.20	15.9
7	Quick Lime & Lime De-dusting system Stack for Kiln III	Lime Storage Hopper	31	0.960	Bag Filters	14/04/2020 16:33Hrs	148.0	12.44	20.30	NA	NA	NA
						08/05/2020 12:18Hrs	472.0	10.18	18.39	NA	NA	NA
						29/06/2020 12:15Hrs	568.0	11.65	22.80	NA	NA	NA
						18/07/2020 10:00Hrs	538.0	12.52	19.88	NA	NA	NA
						17/08/2020 12:20Hrs	405.0	11.27	18.20	NA	NA	NA
						14/09/2020 14:30Hrs	448.0	11.73	15.50	NA	NA	NA
CPCB Norms							<100	NA	100	NA	NA	



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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO

Plant Capacity: 2.0 MTPA												
1	Flue Gas Ejector Stack	Reformer	40	2.851	I.D Fan	28-04-2020 13:00 Hrs	3370.0	38.8	2.92	0.1	58.4	11.9
						12/05/2020 15:00Hrs	3728.0	40.2	5.41	0.1	63.3	20.0
						20/06/2020 16:20Hrs	3895.0	40.2	5.41	0.1	63.3	20.0
						05/07/2020 16:00Hrs	4072.0	42.5	7.47	0.8	54.3	16.8
						20/08/2020 15:00Hrs	2877.0	29.4	7.48	12.9	67.8	18.1
2	Furnace Dust Collector Stack	Furnace	30	0.9	Cyclone & Venturi Scrubber	05/09/2020 14:15Hrs	2882.0	38.0	10.50	15.0	58.8	25.4
						16/04/2020 10:33Hrs	3234.0	14.5	22.26	NA	NA	NA
						08/05/2020 16:00Hrs	4080.0	12.8	8.16	NA	NA	NA
						20/06/2020 10:15Hrs	3895.0	14.4	30.40	NA	NA	NA
						05/07/2020 09:00Hrs	4072.0	12.4	6.91	NA	NA	NA
3	Screen Dust Collector Stack I	Product Screen Area	30	0.9	Cyclone & Venturi Scrubber	06/08/2020 13:00Hrs	4080.0	12.9	7.41	NA	NA	NA
						09/09/2020 14:10Hrs	2400.0	15.0	14.40	NA	NA	NA
						16/04/2020 9:40Hrs	3234.0	8.2	12.40	NA	NA	NA
						26/05/2020 15:00Hrs	3884.0	10.56	28.58	NA	NA	NA
						19/06/2020 14:10Hrs	3904.0	10.56	28.58	NA	NA	NA
4	Screen Dust Collector Stack II	Product Screen Area	30	0.9	Cyclone & Venturi Scrubber	02/07/2020 15:00Hrs	3636.0	11.01	23.60	NA	NA	NA
						13/08/2020 11:00Hrs	4081.0	12.08	22.88	NA	NA	NA
						09/09/2020 12:30Hrs	2400	12	20	NA	NA	NA
						17/04/2020 10:15Hrs	3185.0	11.85	37.77	NA	NA	NA
						12/05/2020 14:00Hrs	3728.0	12.33	16.44	NA	NA	NA
						19/06/2020 14:10Hrs	3904.0	12.54	27.40	NA	NA	NA
						03/07/2020 09:00Hrs	4058.0	12.00	16.45	NA	NA	NA
						13/08/2020 10:00Hrs	4081.0	11.32	16.38	NA	NA	NA
Stand By												

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO

5	Product Silo Dust Collector Stack	Product Silo	30	0.9	Venturi Scrubber	17/04/2020 12:05Hrs 12/05/2020 14:00Hrs 20/06/2020 11:45Hrs 08/07/2020 08:00Hrs 13/08/2020 12:00Hrs 09/09/2020 15:15Hrs	3185.00 3728.00 3895.00 985.0 4081.0 2400	11.22 10.24 10.92 11.1 10.6 11	28.25 12.33 18.00 8.11 17.88 28	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
6	Screen Dust Collector Stack C304	Product screen Area	30	0.9	Venturi Scrubber	16/04/2020 12:18Hrs 08/05/2020 17:00Hrs 20/06/2020 15:00Hrs 04/07/2020 13:00Hrs 13/08/2020 14:20Hrs 09/09/2020 11:30Hrs	3234.00 4080.0 3895.0 4079.0 4081.0 2400.0	13.25 8.9 14.4 13.3 11.3 11.7	17.56 28.39 31.56 19.20 28.42 18.70	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
									CPCB Norms			NA
									< 50			NA

Plant Capacity: 3.5 MTPA												
1	De-Dusting System Stack I	Stock House	45	2.5	Bag Filters	23/04/2020 10:25Hrs 15/05/2020 10:00Hrs 26/06/2020 11:15Hrs 27/07/2020 12:00Hrs 11/08/2020 14:00Hrs 19/09/2020 11:45Hrs	2912.0 9612.0 8775.0 5639.0 9846.0 8877.0	13.6 6.8 9.7 6.0 6.3 11.5	36.6 39.4 38.0 8.9 16.7 28.8	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
2	De-Dusting System Stack II	Stock House	45	2.5	Bag Filters	23/04/2020 12:05Hrs 15/05/2020 12:48Hrs 11/06/2020 15:00Hrs 13/07/2020 15:00Hrs 08/08/2020 13:00Hrs 19/09/2020 10:30Hrs	2912.0 9612.0 9531.0 9153.0 9605.0 8877.0	13.5 13.4 5.1 1.3 15.2 6.05	41.2 45.6 20.4 20.4 35.4 38.40	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NO _x	CO
3	Stove Stack	Blast Furnace Stove	75	5	Heat Exchanger	24/04/2020 15:10Hrs 03/05/2020 12:00Hrs 03/06/2020 10:00Hrs 01/07/2020 12:00Hrs 07/08/2020 11:00Hrs 16/09/2020 14:15Hrs	4545.0 8580.0 5872.0 9418.0 9556.0 9306.0	16.5 7.0 15.7 15.7 15.3 14.66	17.9 12.1 5.3 4.1 2.8 14.80	12.20 15.20 14.23 17.42 16.93 16.9	5.23 6.50 8.50 2.80 1.58 58.5	4.70 4.80 7.63 5.4 35.1 77.7
4	De-Dusting System Cast House	Cast House	45	5.5	Bag Filters	24/04/2020 11:35Hrs 15/05/2020 15:00Hrs 07/06/2020 15:00Hrs 27/07/2020 13:47Hrs 02/08/2020 15:00Hrs 10/09/2020 11:30Hrs	4545.0 9612.0 9563.0 5639.0 9651.0 9338.0	17.9 16.3 18.0 17.3 14.5 16.3	25.4 16.7 18.1 1.1 1.2 16.4	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
5	16 TPH Boiler Stack	16 TPH Boiler	59.5	1.2	Blower	27/04/2020 12:00Hrs 16/05/2020 12:08Hrs 22/06/2020 11:45Hrs 22/07/2020 14:05Hrs 24/08/2020 15:20Hrs 18/09/2020 14:30Hrs	126.0 24.0 225.0 251.0 164.0 181.0	12.4 10.6 11.7 12.6 12.2 12.3	18.8 16.4 20.0 22.2 28.2 32.8	0.00 0.50 0.80 0.96 15.63 20.50	345.00 15.24 18.72 22.36 31.45 28.00	0.00 3.20 5.60 8.40 22.56 14.2
							CPCB Norms		<50	250.0	150	NA



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									Particulate Matter (PM)	SO ₂	NO _x
											CO

Plant Capacity: 2.8 MTPA											
V	Sinter Plant -I										
1	Fuel Bag Filter Stack	Fuel Raw Material Crushing House	40	1.804	Bag Filters	24/04/2020 10:10Hrs	3116.0	13.70	22.88	NA	NA
						13/05/2020 16:05Hrs	6886.0	13.77	26.78	NA	NA
						16/06/2020 15:15Hrs	5805.0	10.32	22.61	NA	NA
						07/07/2020 10:08Hrs	7441.0	11.44	25.88	NA	NA
						10/08/2020 12:15Hrs	7325.0	10.46	24.77	NA	NA
						23/09/2020 14:10Hrs	6673.0	10.87	24.40	NA	NA
2	Flux ESP Stack	Raw Material Crushing & Screening House	50	2.404	Electrostatic Precipitators	24/04/2020 12:18Hrs	3116.0	12.01	30.99	NA	NA
						13/05/2020 10:15Hrs	6886.0	12.88	42.69	NA	NA
						16/06/2020 14:30Hrs	5805.0	6.55	39.00	NA	NA
						07/07/2020 12:14Hrs	7441.0	12.20	28.77	NA	NA
						10/08/2020 14:15Hrs	7325.0	6.55	27.63	NA	NA
						03/09/2020 14:30Hrs	5991.0	6.43	21.10	NA	NA
3	Proportioning ESP Stack	Proportioning House	50	2.404	Electrostatic Precipitators	24/04/2020 14:28Hrs	3116.0	14.25	38.70	NA	NA
						13/05/2020 12:25Hrs	6886.0	13.42	50.23	NA	NA
						17/06/2020 10:10Hrs	7096.0	6.41	30.48	NA	NA
						07/07/2020 14:24Hrs	7441.0	12.50	33.22	NA	NA
						10/08/2020 15:25Hrs	7325.0	6.10	30.14	NA	NA
						03/09/2020 12:15Hrs	5991.0	5.38	24.40	NA	NA
4	Main Stack	Sintering House	140	4.200	Electrostatic Precipitators	30-04-2020 13:00 Hrs	5237	15.01	38.11	0.5	9.7
						08/05/2020 16:00Hrs	6392.0	16.41	42.77	0.75	369.57
						22/06/2020 12:00Hrs	4703.0	8.77	39.87	268.00	309.00
						05/07/2020 10:00Hrs	6599.0	9.63	35.11	144.23	98.77
						10/08/2020 11:00Hrs	7325.0	18.71	43.17	198.77	355.10
						03/09/2020 10:30Hrs	5991.0	7.16	28.90	176.50	295.50
											128.4

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									Particulate Matter (PM)	SO ₂	NO _x	CO
5	Product Sinter Sizing & Discharge End ESP Stack	Product Sinter Sizing House & Product Discharge End	60	4.508	Electrostatic Precipitators	24/04/2020 16:22Hrs 14/05/2020 15:38Hrs 17/06/2020 11:40Hrs 07/07/2020 16:18Hrs 10/08/2020 16:45Hrs 23/09/2020 11:45Hrs	3116.0 6893.0 7096.0 7441.0 7325.0 6673.0	16.16 15.38 12.68 15.45 11.84 12.25	43.39 60.39 41.20 38.36 36.88 22.40	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA

VI Sinter Plant -II

Plant Capacity: 2.5 MTPA

1	Main ESP	Sinter Machine	85	5.5	Electrostatic Precipitators	27-04-2020 15:00 Hrs 08/05/2020 12:00Hrs 16/06/2020 16:16Hrs 02/07/2020 16:00Hrs 19/08/2020 11:00Hrs 04/09/2020 10:30Hrs	3125.0 7324.0 6041.0 8046.0 4296.0 6974.0	11.9 17.5 23.7 24.7 18.4 20.5	23.4 21.7 25.8 2.7 2.4 22.6	26.2 56.2 45.3 47.4 18.7 12.8	44.1 83.2 2.3 2.4 13.3 10.5	8.6 3.6 14.2 14.8 545.2 138.3
2	Bag Filter- 1 (Flux/Fuel Crush Or Building	Crusher Building	35	4.7	Bag Filters	21/04/2020 10:22Hrs 19/05/2020 12:00Hrs 13/06/2020 15:20Hrs 09/07/2020 10:04Hrs 19/08/2020 11:20Hrs 21/09/2020 10:30Hrs	4725.0 7092.0 7609.0 4208.0 4296.0 6074.0	8.9 10.2 10.8 10.3 10.8 10.7	13.6 10.2 20.8 15.2 18.8 26.5	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
3	Bag Filter- 2 (Flux/Fuel Screen Building)	Screen Building	35	1.4	Bag Filters	25/04/2020 10:45Hrs 20/05/2020 16:08Hrs 15/06/2020 10:30Hrs 10/07/2020 11:24Hrs 26/08/2020 12:45Hrs 04/09/2020 12:15Hrs	7767.0 6091.0 7892.0 7345.0 7080.0 6974.0	9.6 10.0 12.9 12.4 12.5 10.2	32.9 39.3 32.9 34.2 30.1 29.2	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³				
									Particulate Matter (PM)	SO ₂	NOx	CO	
4	Bag Filter- 3(Near Sinter Product Screen Building)	Sinter Product Screen Building	29	1.0	Bag Filters	25/04/2020 14:15Hrs	7767.0	8.1	11.3	NA	NA	NA	NA
						19/05/2020 14:08Hrs	7092.0	10.3	8.8	NA	NA	NA	NA
						13/06/2020 14:00Hrs	7609.0	11.0	19.6	NA	NA	NA	NA
						10/07/2020 13:00Hrs	7345.0	10.3	12.4	NA	NA	NA	NA
						19/08/2020 10:15Hrs	4296.0	10.8	12.2	NA	NA	NA	NA
						21/09/2020 11:45Hrs	6074.0	14.6	32.4	NA	NA	NA	NA
5	Bag Filter- 4 (Near Sinter Product Crusher & HLQRF)	Sinter Product Crusher & HLQRF	22	0.9	Bag Filters	21/04/2020 14:25Hrs	4725.0	11.4	26.9	NA	NA	NA	NA
						20/05/2020 11:40Hrs	6091.0	10.2	30.3	NA	NA	NA	NA
						15/06/2020 11:45Hrs	7892.0	15.6	35.7	NA	NA	NA	NA
						09/07/2020 12:37Hrs	4208.0	14.3	22.4	NA	NA	NA	NA
						19/08/2020 14:30Hrs	4296.0	15.1	28.8	NA	NA	NA	NA
						21/09/2020 14:15Hrs	6074.0	11.3	24.8	NA	NA	NA	NA
6	Bag Filter- 5 (Near Banker House & JHO8)	Banker House & JHO8	32	0.9	Bag Filters	21/04/2020 16:05Hrs	4725.0	10.3	28.9	NA	NA	NA	NA
						20/05/2020 15:15Hrs	6091.0	12.3	42.6	NA	NA	NA	NA
						13/06/2020 12:20Hrs	7609.0	11.3	37.0	NA	NA	NA	NA
						09/07/2020 14:44Hrs	4208.0	11.5	29.9	NA	NA	NA	NA
						26/08/2020 11:45Hrs	7080.0	11.0	26.4	NA	NA	NA	NA
						04/09/2020 15:30Hrs	6974.0	12.4	38.6	NA	NA	NA	NA
7	Bag Filter- 6(Banker House)	Banker House	33.5	1.0	Bag Filters	25/04/2020 16:22Hrs	7767.0	10.7	15.4	NA	NA	NA	NA
						19/05/2020 16:00Hrs	7092.0	11.3	12.2	NA	NA	NA	NA
						15/06/2020 15:15Hrs	7892.0	11.1	23.7	NA	NA	NA	NA
						10/07/2020 16:05Hrs	7345.0	10.6	16.9	NA	NA	NA	NA
						under maintenance							
						04/09/2020 14:30Hrs	6974.0	11.2	16.2	NA	NA	NA	NA



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									Particulate Matter (PM)	SO ₂	NOx	CO

8	Bag Filter- 7 (Fuel Storage Crusher Building)	Fuel Storage Crusher Building	33.5	0.8	Bag Filters	21/04/2020 12:13Hrs 20/05/2020 10:00Hrs 15/06/2020 14:00Hrs 09/07/2020 11:34Hrs 19/08/2020 12:20Hrs	4725.0 6091.0 7892.0 4208.0 4296.0	10.2 11.6 10.4 11.0 9.8	16.8 19.9 16.3 19.3 24.4	NA NA NA NA NA	NA NA NA NA NA	NA NA NA NA NA
under maintenance												
CPCB Norms									<50	NA	NA	NA

VII Captive Power Plant (55 MW)

1	Boiler Stack	Boiler	40	5.0	Blower	18/04/2020 11:20Hrs 27/05/2020 12:00Hrs 11/06/2020 12:00Hrs 27/07/2020 12:44Hrs 10/08/2020 12:00Hrs 11/09/2020 10:45Hrs	53 53 53.0 53 53 54	15.9 15.9 12.06 14.2 12.1 12.2	12.5 0.7 0.72 0.9 1.1 16.2	<1 0 135.0 122.58 105.44 1.6	5.88 2.56 48.4 66.25 44.25 52.14	54.15 66.6 69.7 52.36 66.23 38.95
CPCB Norms									<150	NA	NA	NA

VIII Billet Caster & Bar Mill (1.5 & 1.4 MTPA)

1	Billet Caster Stack	Ladle Heating Furnace	80	2.0	Fume extraction system	28-04-2020 12:00 24/05/2020 12:00Hrs 19/06/2020 16:00Hrs 13/07/2020 11:00Hrs 08/08/2020 12:00Hrs 23/09/2020 12:15Hrs	3439 2812.0 2431.0 2707.0 3921.0 2399.0	15.44 14.36 20.02 19.86 13.28 13.05	25.78 0.02 25.26 4.09 3.30 33.50	116.9 26.3 16.87 16.78 22.35 28.5	20.1 <1 0.04 0.4 11.25 18.2	115.5 11.7 5.51 4.09 16.15 27.96
2	Bar Mill Stack	Reheating Furnace	80	3.0	Bag Filter	29-04-2020 10:00 18/05/2020 15:00Hrs 22/06/2020 15:30Hrs 11/07/2020 10:00Hrs 03/08/2020 11:00Hrs 23/09/2020 10:30Hrs	1752.0 1449.0 2136.0 2632.0 1571.0 2699.0	16.47 16.53 13.03 10.09 13.30 12.98	20.14 8.19 24.00 8.19 5.30 23.60	115.26 108.6 99.65 7.81 14.85 18.2	4.48 118.8 125.64 8.85 9.55 12.5	1.88 122.2 101.4 10.76 15.1 22.45
CPCB Norms									<50	NA	NA	NA

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