



A wholly owned subsidiary of JSW Steel Ltd.

Amba River Coke Limited

Dolvi Works: Geetapuram, Taluka Pen,
Dist Raigad (Maharashtra),
Dolvi - 402 107

CIN. : U23100MH1997PLC110901

Phone : 02143 277501 - 14

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April 24, 2024

ARCL/ENV/MoEF & CC/2024

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 Coke Oven Plant & Pellet Plant of M/s. Amba River Coke Ltd. at Geetapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra for the Period of October, 2023 to March 2024.

Ref: i) MoEF Letter - F No J-11011/286/2007-IA-II(I) dated 12/01/2009.

Dear Sir,

Please find enclosed the six monthly Environmental Monitoring Reports for the period of October, 2023 to March 2024 for 1.0 MTPA Coke Oven Plant & 4.0 MTPA Pellet Plant of M/s. Amba River Coke Ltd. at Geetapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra.

This is for your information & record please.

Thanking you,

Yours faithfully,
For Amba River Coke Limited

Dr. Anand Rai
Vice President (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

JSW Steel Limited
Dolvi, Pen-Raigad.

30 MAY 2024

RECEIVED



Regd. Office: JSW Centre,
Bandra Kurla Complex,
Bandra(E), Mumbai - 400 051.

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AMBA RIVER COKE LIMITED
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)	Velocity m/sec	Parameters mg/Nm ³				
									Particulate Matter (PM)	SO ₂	NO _x	CO	
I	Plant Capacity: 1.0 MTPA												
1	Coke Oven Battery A & B(Under firing)	Coke Oven Battery A & B	145	4.50	Natural Draft	28/10/23 12:05 Hrs	1841.0	7.8	35	114.0	105.0	141.0	
						03/11/23 11:15 Hrs	1902.0	7.6	40	125.0	166.0	189.0	
						26/12/23 12:10 Hrs	1530.0	8.2	46	128.0	136.0	142.0	
						24/01/24 16:25 Hrs	1496.0	10.0	41	101.0	123.0	138.0	
						19/02/24 16:20 Hrs	1332	8.1	41	88.0	104.0	124.0	
						20/03/24 11:10 Hrs	1408	7.6	32	102.0	111.0	NA	
2	Ground De-dusting system (Charging Side)	Coke Oven Battery A & B	31	2.50	Bag Filters	13/10/23 10:00 Hrs	558.0	4.2	7	NA	NA	NA	
						14/11/23 10:25 Hrs	1762.0	4.6	6	NA	NA	NA	
						08/12/23 11:25 Hrs	1701.0	6.0	6	NA	NA	NA	
						24/01/24 10:00 Hrs	1496.0	6.8	6	NA	NA	NA	
						15/02/24 10:05 Hrs	1287.0	6.5	6	NA	NA	NA	
						20/03/24 14:20 Hrs	1408.0	5.8	2	NA	NA	NA	
3	Ground De-dusting system (pushing Side)	Coke Oven Battery A & B	31	2.50	Bag Filters	13/10/23 11:00 Hrs	558.0	5.6	7	NA	NA	NA	
						14/11/23 11:45 Hrs	1762.0	3.9	5	NA	NA	NA	
						08/12/23 09:55 Hrs	1701.0	6.9	6	NA	NA	NA	
						24/01/24 11:35 Hrs	1496.0	6.3	6	NA	NA	NA	
						15/02/24 11:30 Hrs	1287.0	5.8	6	NA	NA	NA	
						20/03/24 16:15 Hrs	1408.0	5.0	3	NA	NA	NA	
4	Boiler	WHRB Boiler	40	2.00	-	17/10/23 10:00 Hrs	353.0	5.0	18	12.0	23.0	28.0	
						13/11/23 10:05 Hrs	48.0	5.6	10	14.0	21.0	26.0	
						05/12/23 10:15 Hrs	1761.0	7.9	16	13.0	16.0	12.0	
						03/01/24 16:45 Hrs	1531.0	7.2	18	10.0	18.0	16.0	
						28/02/24 15:18 Hrs	424.0	7.0	18	16.0	18.0	21.0	
						18/03/24 11:00 Hrs	336.0	6.7	13	16.9	14.3	NA	
5	Dry Quenching Stack	Primary & Secondary Dust Catcher	30	2.50	Bag Filters	17/10/23 14:00 Hrs	1713.0	9.6	7	NA	NA	NA	
						14/11/23 14:20 Hrs	1762.0	10.2	8	NA	NA	NA	
						05/12/23 14:00 Hrs	1761.0	8.6	10	NA	NA	NA	
						12/01/24 14:00 Hrs	1298.0	7.8	14	NA	NA	NA	
						18/02/24 10:15 Hrs	1319.0	7.8	14	NA	NA	NA	
						23/03/24 14:18 Hrs	1425.0	8.2	16	NA	NA	NA	

Prepared By *h. gnan*
 Dr. P. P. Nandusekar
 Manager (Environment)

Checked By *Dr. Ajund Rai*
 Dr. Ajund Rai
 Vice President (HOD-Environment)

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)	Velocity m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO
6	DG Set Stack	NA	30	0.35	NA	28/10/23 10:05 Hrs 14/11/23 16:25 Hrs 08/12/23 11:25 Hrs 12/01/24 16:15 Hrs 18/02/24 12:20 Hrs 23/03/24 16:21 Hrs	NA 1762.0 1701.0 1298.0 1319.0 1425.0	12.3 11.0 10.2 8.9 7.6 6.9	11 13 17 22 22 13	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
CPCB Norms												
Plant Capacity: 4.0 MTPA												
II Pellet Plant												
1	Dedusting 1 & 2	Mixer Unit	30.5	1.15	Bag Filters	14/10/23 10:15 Hrs 24/11/23 10:20 Hrs 26/12/23 10:25 Hrs 18/01/24 10:00 Hrs 21/02/24 14:35 Hrs 12/03/24 11:45 Hrs	12304.0 12175.0 12017.0 12128.0 12262.0 12305.0	4.0 4.8 6.2 4.5 6.1 4.2	16 14 16 15 15 14	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA
2	Dedusting 3	Betonite Unit	30.5	0.89	Bag Filters	14/10/23 12:05 Hrs 24/11/23 12:25 Hrs 26/12/23 16:35 Hrs 18/01/24 12:05 Hrs 21/02/24 16:50 Hrs	12304.0 12175.0 12017.0 12128.0 12262.0	5.6 5.9 6.5 6.1 6.3	10 14 19 21 21	NA NA NA NA NA	NA NA NA NA NA	NA NA NA NA NA
3	Main ESP	Induration Furnace	100	6.25	ESP	12/03/24 15:15 Hrs 16/10/23 10:25 Hrs 24/11/23 15:25 Hrs 26/12/23 14:05 Hrs 10/01/24 14:10 Hrs 20/02/24 11:30 Hrs 26/03/24 15:30 Hrs	12305.0 11741.0 12175.0 12017.0 11922.0 12349.0 10945.0	6.3 12.5 10.0 12.0 14.0 10.1 14.5	25 18 19 24 28 28 14	NA NA NA NA NA NA NA	NA 18.00 25.00 33.00 12.0 29.0 19.0	NA 23.00 41.00 41.00 21.0 39.0 NA
4	Dedusting 7	Hearth Layer	30.5	1.35	Bag Filters	14/10/23 15:25 Hrs 21/11/23 10:05 Hrs 13/12/23 10:25 Hrs 18/01/24 14:25 Hrs 20/02/24 15:05 Hrs 09/03/24 11:35 Hrs	12304.0 12022.0 12042.0 12128.0 12349.0 12394.0	3.9 4.9 6.5 5.8 7.0 5.4	15 18 21 19 19 18	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA


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 Vice President (HOD-Environment)

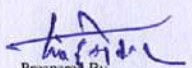
Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD)	Velocity m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NO _x	CO
5	Dedusting 8	Final Product Silo	30.5	2	Bag Filters	13/10/23 14:05 Hrs	11456.0	4.1	12	NA	NA	NA
						21/11/23 12:05 Hrs	12022.0	4.8	16	NA	NA	NA
						13/12/23 12:20 Hrs	12042.0	7.0	18	NA	NA	NA
						18/01/24 16:28 Hrs	12128.0	6.0	14	NA	NA	NA
						20/02/24 16:25 Hrs	12349.0	7.3	14	NA	NA	NA
6	Dedusting 9	Final Product Silo	30.5	0.69	Bag Filters	09/03/24 15:00 Hrs	12394.0	6.2	16	NA	NA	NA
						13/10/23 16:30 Hrs	11456.0	3.5	12	NA	NA	NA
						21/11/23 14:10 Hrs	12022.0	4.5	18	NA	NA	NA
						13/12/23 15:25 Hrs	12042.0	5.1	13	NA	NA	NA
						10/01/24 15:00 Hrs	11922.0	4.2	12	NA	NA	NA
7	Discharge ESP	Furnace Discharge	40	1.80	ESP	29/02/24 14:05 Hrs	12386.0	4.5	12	NA	NA	NA
						09/03/24 16:25 Hrs	12394.0	3.6	15	NA	NA	NA
						16/10/23 14:09 Hrs	11741.0	7.8	11	NA	NA	NA
						21/11/23 16:35 Hrs	12022.0	6.8	20	NA	NA	NA
						03/12/23 11:15 Hrs	12308.0	7.8	21	NA	NA	NA
						10/01/24 16:35 Hrs	11922.0	8.0	25	NA	NA	NA
						29/02/24 16:25 Hrs	12386.0	6.9	25	NA	NA	NA
						21/03/24 14:45 Hrs	5761.0	6.1	28	NA	NA	NA
						CPCB Norms			< 150	< 100	< 500	< 1

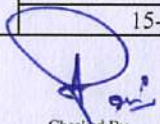

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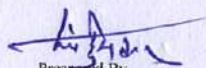
b) FUGITIVE EMISSION STATUS:

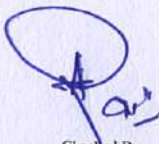
Sr. No.	Location of the Station	Date of Monitoring	Parameters (µg/m ³)		
			PM10	SO ₂	NO _x
A Coke Oven Plant					
	CPCB Norms (µg/m3)		3000	200	150
1	Near Coal Blending Area	21-10-2023	822	3.7	16.17
		17-11-2023	1975	3.9	18.50
		19-12-2023	1982	3.7	19.27
		09-01-2024	1528	3.68	14.65
		16-02-2024	1748	4.20	23.90
		18-03-2024	1782	3.9	24.7
2	Near Secondary Coal Crusher Area	21-10-2023	1465	3.94	16.96
		18-11-2023	1410	4.99	20.02
		19-12-2023	1410	5.77	16.94
		09-01-2024	1952	4.72	16.17
		16-02-2024	1865	4.46	21.56
		18-03-2024	1327	6.8	18.5
3	Near Coke Oven Battery A Warf Area	23-10-2023	1818	4.2	13.70
		17-11-2023	1859	2.6	14.37
		19-12-2023	1780	5.4	15.74
		10-01-2024	1628	3.03	16.42
		16-02-2024	1795	5.36	18.48
		18-03-2024	1734	6.3	17.1
4	Near Coke Oven Battery B Warf Area	23-10-2023	1995	5.1	14.10
		18-11-2023	2725	3.9	19.38
		19-12-2023	1509	6.3	18.50
		09-01-2024	1847	4.80	20.26
		17-02-2024	1639	7.51	22.02
		18-03-2024	1266	8.4	24.7
5	Near Coke Cutter Area	23-10-2023	1713	4.2	11.56
		18-11-2023	1603	3.9	21.53
		18-12-2023	1892	4.7	19.99
		10-01-2024	1917	3.93	13.84
		17-02-2024	1785	4.72	19.99
		19-03-2024	1301	8.1	16.1
6	Near Coke Screening Area	21-10-2023	1997	5.6	15.70
		18-11-2023	1016	5.1	20.19
		19-12-2023	1553	6.6	21.06
		09-01-2024	1606	4.19	18.43
		17-02-2024	1935	9.27	20.19
		19-03-2024	1750	10.8	19.3
7	Near Sulphur Recovery Area	09-10-2023	938	4.5	16.19
		17-11-2023	893	4.2	18.50
		18-12-2023	1272	4.5	20.04
		10-01-2024	1773	4.99	10.79
		17-02-2024	1891	5.78	19.27
		19-03-2024	1543	7.4	20.8
B Pellet Plant					
	CPCB Norms (µg/m3)		3000	200	150
1	Near Mixer Building Area	03-10-2023	1489	2.47	16.17
		16-11-2023	1891	2.47	20.04
		18-12-2023	1437	2.47	20.81
		19-01-2024	1997	2.5	13.88
		15-02-2024	1757	2.47	30.06
		15-03-2024	1793	2.5	31.60
2	Near Bentonite Storage Area	03-10-2023	1699	3.13	16.76
		14-11-2023	1519	3.13	18.50
		18-12-2023	2763	3.13	20.26
		19-01-2024	1782	3.13	16.74
		15-02-2024	1936	3.13	22.02
		15-03-2024	1771	3.1	25.5


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 Vice President (HOP-Environment)

3	Near Additive Ball Mill Area	03-10-2023	1858	4.46	14.10
		16-11-2023	1918	4.46	21.14
		16-12-2023	1910	4.46	24.67
		19-01-2024	1743	4.46	18.50
		15-02-2024	1926	4.46	21.14
		15-03-2024	1798	4.5	27.3
4	Near Ball Mill Area	03-10-2023	1766	4.21	13.89
		16-11-2023	1945	4.20	16.96
		18-12-2023	2344	6.04	20.81
		19-01-2024	1792	3.42	13.10
		15-02-2024	1735	5.52	16.96
		15-03-2024	1777	7.6	19.3
5	Near Indurating Machine	03-10-2023	1625	5.40	19.36
		14-11-2023	2329	6.31	21.14
		16-12-2023	2349	6.61	22.90
		20-01-2024	1962	4.50	15.86
		15-02-2024	1608	8.71	18.50
		16-03-2024	1288	9.6	31.7
6	Near Hearth Layer Area	04-10-2023	2329	4.74	18.52
		14-11-2023	2273	5.78	14.65
		16-12-2023	2453	7.09	16.19
		20-01-2024	1929	4.20	17.73
		16-02-2024	1474	6.57	19.27
		16-03-2024	1142	7.1	20.8
7	Near Product Storage Area	04-10-2023	2054	4.89	12.30
		16-11-2023	2515	5.84	15.07
		16-12-2023	2226	6.07	13.02
		20-01-2024	1873	2.80	16.44
		16-02-2024	1909	5.37	17.81
		16-03-2024	1395	5.8	19.2


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 Vice President (HOD-Environment)

C. WATER POLLUTION STATUS:

Water Consumption/tonne of product produced :

Water Consumption / MT of Coke Produced : 2.482 M³/MT, from October, 2023 to March, 2024 (For COP only).

Water Consumption / MT of Pellet Produced : 0.109 M³/MT, October, 2023 to March, 2024 (For Pellet only).

Effluent discharged to

: No Discharge

Date & Time of the sample	Location of the Sampling Point	Type of the Treatment provided	Flow Rate Average (m ³ /day)	Parameters Monitored (mg/L, except pH)						Quantity of the treatment effluent reused / recirculated & what purpose	
				pH	TSS	Phenol	Cyanide	BOD	COD		Amm. Nitrogen
From October, 2023 to March, 2024	COBP Effluent	BOD Plant - oil separation pool and air floatation pool, anaerobic pool, anoxia pool, aerobic pool and contact oxidation pool, Activated Carbon, Pressure Sand Filter	107.31 m³/h								After treatment 100 % quantity of treated water reused for coke-quenching. No discharge of waste water.
	Pellet Plant										

No Discharge

QUALITY OF VARIOUS EFFLUENT STREAMS AT THE BOUNDARY LINE OF THE PLANT:

Sr. No.	Name of the Stream	Name of the Production Unit contributing to the Stream	Date & Time of Monitoring	Parameters (mg/l, except pH & Temp.)							
				Temp. (°C)	pH	TSS	D.O.	C.O.D.	B.O.D.	O & G	IRON
Not applicable, as we are not discharging any wastewater from the Plant.											

STATUS OF SEWAGE TREATMENT PLANT (STP):

Date & Time of Monitoring	Name of the STP	Quantity of the Effluent	Parameters (mg/l, except pH & Temp.)					Remark
			Temp. (° C)	pH	TSS	BOD	COD	
From October, 2023 to March, 2024	BOD Plant	After treatment 100 % quantity used for coke-quenching or gardening.						All septic tank water Connected to BOD Plant

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Vice President (HOD, Environment)

D. HAZARDOUS WASTE & SOLID WASTE MANAGEMENT:

a. Status of Solid Waste Management:

Sr. No.	Name of the Plant	Type of Waste	Quantity of Solid Waste generated per month in MT from October., 2021 to March, 2022	Method of reuse / disposal
1	Coke Oven Plant	Coke Breeze, Coke & Coal Dust	5754.0	100 % Reused Coke & Coal Dust in Coke Oven process and Coke Breeze in Pellet, Sinter Plant.
2	Pellet Plant	ESP & Bag filter dust from dedusting system	18329	100 % Reused in Pellet Process

b. Status of Hazardous Waste Management:

Sr. No.	Name of the Plant	Quantity of Hazardous Waste generated per month	Type of Hazardous Waste / Category	Method of handling, transportation & disposal
1	Coke Oven Plant	Nil	Used oil (Category No. 5.1)	NA
		Nil	Impure Sulphur Paste (Category No. 13.6)	M/s. Mumbai Waste Management Ltd. (MWML), Talaja, Raigad
		23.4	Decanter Sludge (Category No. 13.4)	100 % Reused in Coke Oven process
		74 kg	waste/residu containing Oil (oil Soack Cotton) (Category No. 5.2)	disposed in HSM furnace.
2	Pellet Plant	Nil	Used oil (Category No. 5.1)	NA
		1060KG	Waste /residu containing Oil (oil Soack Cotton) (Category No. 5.2)	Disposed in HSM furnace.

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Manager (Environment)

Checked By
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Vice President(HQD-Environment)

E. NOISE POLLUTION CONTROL STATUS:

Sr. No	Location	Distance from the Source (m)	Name of Control Equipment provided	Date of Monitoring	Noise Level Leq. dB(A)	
					Day	Night
					dB(A)	dB(A)
A	Coke Oven Plant					
1	Near Coke Oven -Battary Pushing side	5	**	11-10-2023	85	84
				25-10-2023	84	84
				10-11-2023	86	84
				24-11-2023	85	84
				08-12-2023	87	86
				23-12-2023	86	85
				10-01-2024	83	80
				27-01-2024	84	84
				09-02-2024	83	80
				23-02-2024	84	84
				07-03-2024	83	78
				12-03-2024	84	75
2	Near Coke Oven -Battary Coke side	5	**	11-10-2023	87	86
				25-10-2023	85	84
				10-11-2023	85	83
				24-11-2023	84	84
				08-12-2023	87	87
				23-12-2023	85	85
				10-01-2024	77	72
				27-01-2024	81	71
				09-02-2024	77	72
				23-02-2024	81	71
				07-03-2024	77	72
				12-03-2024	81	78
3	Near Coke cutter/coke screening area	5	**	11-10-2023	86	85
				25-10-2023	87	86
				10-11-2023	87	87
				24-11-2023	87	85
				08-12-2023	86	87
				23-12-2023	85	86
				10-01-2024	80	82
				27-01-2024	70	79
				09-02-2024	80	82
				23-02-2024	70	79
				07-03-2024	80	75
				12-03-2024	70	65
4	Near BOD Plant area	5	**	11-10-2023	84	84
				25-10-2023	84	83
				10-11-2023	86	84
				24-11-2023	85	84
				08-12-2023	86	85
				23-12-2023	85	84
				10-01-2024	84	81
				27-01-2024	72	82
				09-02-2024	84	81
				23-02-2024	72	82
				07-03-2024	84	79
				12-03-2024	72	68

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Checked By
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Vice President (HOD-Environment)

5	Near Coke Oven Main office Area	5	**	11-10-2023	78	77
				25-10-2023	80	79
				10-11-2023	76	72
				24-11-2023	73	72
				08-12-2023	83	83
				23-12-2023	82	82
				10-01-2024	71	82
				27-01-2024	79	71
				09-02-2024	71	82
				23-02-2024	79	71
				07-03-2024	71	68
				12-03-2024	79	71
6	Near Coal blending Area	5	**	11-10-2023	88	87
				25-10-2023	89	88
				10-11-2023	87	85
				24-11-2023	86	84
				08-12-2023	89	86
				23-12-2023	88	84
				10-01-2024	83	82
				27-01-2024	82	79
				09-02-2024	83	82
				23-02-2024	82	79
				07-03-2024	83	79
				12-03-2024	82	79
7	Near Ammonia scrubber Area	5	**	11-10-2023	90	88
				25-10-2023	90	89
				10-11-2023	82	80
				24-11-2023	84	83
				08-12-2023	86	87
				23-12-2023	85	85
				10-01-2024	80	81
				27-01-2024	80	82
				09-02-2024	80	81
				23-02-2024	80	82
				07-03-2024	80	75
				12-03-2024	80	76
8	Near Secondary Crusher Area	5	**	11-10-2023	91	90
				25-10-2023	88	87
				10-11-2023	82	81
				24-11-2023	83	82
				08-12-2023	87	87
				23-12-2023	86	85
				10-01-2024	81	82
				27-01-2024	81	79
				09-02-2024	81	82
				23-02-2024	81	79
				07-03-2024	81	78
				12-03-2024	81	79
B. Pellet Plant						
1	Near Ball Mill Area	5	**	11-10-2023	87	86
				25-10-2023	88	87
				10-11-2023	86	85
				24-11-2023	84	84
				08-12-2023	90	89
				23-12-2023	89	88
				10-01-2024	80	80
				21-01-2024	84	75
				10-02-2024	80	80
				24-02-2024	84	75
				08-03-2024	78	72
				11-03-2024	79	70

2	Near Additive Ball Mill Area	5	**	11-10-2023	89	88
				25-10-2023	87	86
				10-11-2023	85	85
				24-11-2023	84	84
				08-12-2023	87	86
				23-12-2023	86	85
				10-01-2024	72	83
				21-01-2024	71	82
				10-02-2024	72	83
				24-02-2024	71	82
				08-03-2024	75	73
				11-03-2024	74	68
				11-10-2023	87	85
				25-10-2023	88	88
3	Near Main ESP	5	**	10-11-2023	87	87
				24-11-2023	86	87
				08-12-2023	90	89
				23-12-2023	89	88
				10-01-2024	82	79
				21-01-2024	79	81
				10-02-2024	82	79
				24-02-2024	79	81
				08-03-2024	82	76
				11-03-2024	84	77
				11-10-2023	89	87
				25-10-2023	88	87
				10-11-2023	88	86
				24-11-2023	87	86
4	Near Product Storage Area	5	**	08-12-2023	87	86
				23-12-2023	86	85
				10-01-2024	81	82
				21-01-2024	82	81
				10-02-2024	81	82
				24-02-2024	82	81
				08-03-2024	85	79
				11-03-2024	84	77
				11-10-2023	89	88
				25-10-2023	90	89
				10-11-2023	85	85
				24-11-2023	85	84
				08-12-2023	89	88
				23-12-2023	88	87
5	Near Indurating area	5	**	10-01-2024	81	80
				21-01-2024	80	84
				10-02-2024	81	80
				24-02-2024	80	84
				08-03-2024	83	74
				11-03-2024	83	78

6	Near Hearth Layer Area	5	**	11-10-2023	88	87
				25-10-2023	87	86
				10-11-2023	86	85
				24-11-2023	86	85
				08-12-2023	87	86
				23-12-2023	85	84
				10-01-2024	84	82
				21-01-2024	82	84
				10-02-2024	84	82
				24-02-2024	82	84
				08-03-2024	79	72
				11-03-2024	77	72

** Wherever possible, all noise creating equipments have been provided with in-built acoustic system by

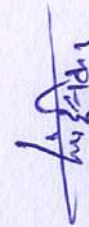
- Personnels expose to higher noise level are provided with Hearing Protection equipments. Exposure time to high noise level


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


 Checked By
 Dr. Anand Raj
 Vice President (HOD-Environment)

F. STATUS OF CONSENTS:

S.No.	Acts	Consent Number	Valid w. e. f.	Validity upto
1	Under Section 26 of the Water (Prevention and Control of Pollution) Act, 1974	Coke Oven Plant (1 MTPA) Format 1.0/CAC/ UAN No. 0000137969/ CR/2302000588 dated 13/02/2023	31/05/2022	31-05-2024
2	Under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and authorisation under rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008	Pellet Plant (4 MTPA) Format 1.0/CAC/ UAN No. 0000147985/ CR/2301001229 dated 12/01/2023	09-30-2022	30-09-2027


Prepared By

Dr. P. P. Nandusekar

Manager (Environment)



Checked By

Dr. Anand Rai.

Vice President (HOD-Environment)

JSW STEEL LIMITED

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH : October, 2023

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dohi 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
01-10-2023		Problem	7.81	6.28	1.26	22.29	95.52	9.67	24.69	0.94	30.85	36.22	5.85	2.44	0.55	69.09	69.09	3.62	15		25.99	94.67	8.25	11.11	0.93
02-10-2023		41.81	8.98	9.35	2.1	26.4	94.21	9.84	34.87	0.78	28.5	51.14	5.9	4.89	0.73	63.54	63.54	3.63	15.01		36.25	70.36	12.92	11.87	0.75
03-10-2023		99.53	8.22	9.64	1.19	13.19	89.02	9.86	20.7	0.72	36.75	67.81	6.17	5.28	0.42	37.81	75.95	3.7	14.99		48.93	92.36	13.62	12.23	0.77
04-10-2023		Filter	7.72	6.95	0.85	16.71	88.58	9.88	13.95	0.75	42.72	77.04	5.8	10.48	0.48	31.97	77.21	3.44	15.02		56.17	91.14	13.01	14.95	0.77
05-10-2023		Problem.	7.62	6.49	0.81	19.96	92.69	9.96	13.56	0.84	37.46	70.62	5.63	10.78	0.42	30.22	66.36	3.31	15.01		57.64	92.36	11.98	16.37	0.79
06-10-2023		95.52	9.14	11.87	0.77	23.58	79.08	9.91	15.48	0.69	42.72	77.04	5.8	10.48	0.48	31.97	77.21	3.44	15.02		57.83	92.315	12.16	17.09	0.92
07-10-2023		99.21	8.04	14	0.9	32.84	78.11	9.85	12.9	0.73	42.57	74.86	6.25	17.42	0.44	46.06	95.36	3.38	15.01		53.59	89.25	11.92	15.48	0.96
08-10-2023		91.36	7.89	31.62	1.03	25.57	92.08	9.91	15.23	0.78	50.82	79.08	6.58	18.61	0.56	32.07	70.36	3.34	15.01		60.3	88.25	11.4	15.72	0.96
09-10-2023		97.36	7.77	35.53	0.99	30.73	81.95	9.86	15.16	0.76	47.96	78.11	6.65	15.24	0.58	50.44	92.36	3.42	15.02		51.17	74.66	11.95	16.27	0.93
10-10-2023		95.77	7.65		0.99	22.84	86.64	9.94	17.74	0.77	47.04	92.08	6.04	18.52	0.57	36.36	92.14	3.34	15.04		55.21	82	12.04	12.58	0.99
11-10-2023		90.25	7.58		0.97	29.88	83.95	9.98	23.53	0.84	41.99	81.95	5.91	16.38	0.53	24.08	93.36	3.35	15.03		59.57	83.36	11.9	14.67	1.1
12-10-2023	Showing NA due to	90.88	7.67		0.99	28.63	92.92	9.86	19.23	0.83	49.03	86.64	5.78	22.18	0.57	37.84	92.315	3.85	14.99		59.32	88.99	11.63	13.47	0.99
13-10-2023	the Detector	89.21	7.85		1.41	43.59	60.2	9.9	16.59	0.86	54.39	83.95	5.53	13.41	0.73	29.52	89.25	3.83	15.13		55.73	86.64	10.87	14.37	1.07
14-10-2023		99.57	7.87		1.43	35.17	74.08	10.01	16.01	0.84	61.66	92.92	5.53	13.57	1.08	48.02	88.25	3.49	15.14		67.9	83.95	11.22	14.04	1.11
15-10-2023		90.74	7.94		1.31	32.28	44.69	9.9	17.8	0.71	47.1	60.2	5.68	10.01	0.71	31.29	78.11	3.47	15.15		54.67	92.92	10.89	15.69	0.99
16-10-2023		79.58	8.57		1.43	67.76	68.26	9.86	17.99	0.79	64.44	89.67	6.34	9.14	0.76	30.75	92.08	3.65	15.1		68.31	60.2	11.69	17.65	0.99
17-10-2023	Damage due to	99.5	8.05		1.28	26.93	51.26	9.86	16.5	0.84	59.08	86.1	6.89	12.86	1.03	20.96	81.95	3.93	15.03		70.71	89.67	9.44	17	1.13
18-10-2023	d, Spare is not available.	93.36	8.49		1.45	77.63	62.32	10.04	19.15	0.81	59.9	93.74	6.53	14.66	0.61	24.44	86.64	4.02	15		65.97	86.1	11.72	13.63	1.06
19-10-2023		92.36	8.05		1.1	51.31	68.52	9.85	22.67	0.8	62.9	94.25	6.5	14.73	0.61	21.35	83.95	3.8	15.03		59.51	93.74	11.78	14.32	1
20-10-2023		91.85	7.99		1.3	35.46	88.56	9.96	18.45	0.84	64.86	97.25	6.58	10.63	0.66	31.67	92.92	3.81	15.04		67.44	92.25	11.14	20.13	1.03
21-10-2023		99.99	8.09		1.31	38.3	92.36	9.76	16.16	0.79	74.08	94.26	6.65	8.29	0.9	25.88	60.2	4.21	15.06		61.93	97.25	11.25	18.94	1.01
22-10-2023		97.84	7.91		1.25	88.62	93.36	10.03	14.28	0.83	44.69	95.32	6.51	8.71	0.81	19.27	89.67	4.17	15.03		59.69	94.26	11.37	16.96	1.07
23-10-2023		55.58	8.16		1.37	48.05	92.36	9.93	20.54	0.92	68.26	94.14	6.12	21.47	0.77	33.73	86.1	4.13	15.03		54.79	95.32	11.67	18.85	0.96
24-10-2023		74.36	8.25		1.28	32.48	91.85	9.98	33.19	0.84	51.26	94.52	5.8	18.7	0.71	23.22	93.74	4.08	15.02		64.82	94.14	12.37	20.27	0.98
25-10-2023		77.88	8.33		1.42	46.85	93.99	9.85	31.41	0.79	62.32	98.6	5.76	20.11	0.7	19.07	94.25	4.32	15.03		52.29	94.52	12.31	18.44	1.02
26-10-2023		59.36	6.22		0.98	93.02	97.84	9.9	29.79	0.9	68.52	97.58	5.87	33.08	0.62	23.83	97.25	4.58	15.02		73.47	94.6	11.55	16.39	1.11
27-10-2023		99.31	3.81		0.79	82.43	55.58	9.86	30.49	0.98	59.99	93.36	6.2	31.71	0.56	44.74	94.26	4.87	10.47		68.68	97.58	11.79	21.13	1.23
28-10-2023		97.39	3.95		0.81	49.15	74.36	9.66	34.87	0.78	56.28	92.74	6.05	32.73	0.55	18.87	94.24	5.26	3.08		67.04	88.25	11.08	20.58	1.16
29-10-2023		98.52	3.7		0.73	61.02	77.88	9.87	24.5	0.81	65.12	88.36	5.99	33.94	0.69	22.16	74.69	5.11	3.08						
30-10-2023		84.25	3.68		0.81	36.09	95.36	10.03	26.58	0.96	76.92	89.36	6.1	32.62	0.83	25.75	94.31	4.97	3.06						
31-10-2023		90.36	3.9		0.8	94.19	94.48	9.92	25	0.91	73.05	91.74	6.3	30.52	0.74	19.86	91.36	4.68	3.12						
Month	Day Time	Night Time																							
Oct-23	66	64																							
Standards	< 75	< 70																							

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

Checked By
Dr. Anand Rai
Vice President (HOD-Environment)

JSW STEEL LIMITED																									
GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST.- RAIGAD.																									
AMBIENT AIR QUALITY MONITORING REPORT																									
MONTH : November, 2023																									
Location		Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					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					
01-11-2023		95.48	4.52		0.68	47.51	87.54	9.86	33.33	1.09	54.21	92.54	6.45	27.35	0.68		54.28	98.5	11.62	33.59	1.17				
02-11-2023		89.67	4.27		0.73	52.58	89.62	10.06	26.44	0.79	42.59	78.45	6.64	27.16	0.73		25.67	78.9	11.75	17.95	1.07				
03-11-2023		74.81	4.11		0.72	34.78	74.57	9.89	31.68	0.89	53.26	89.35	6.46	31.13	0.71		35.86	88.6	12.13	21.26	1.13				
04-11-2023		98.47	4.05		0.79	46.38	69.85	10.1	32.61	1.02	41.27	68.78	6.19	31.96	0.78		36.48	78.5	11.55	22.55	1.21				
05-11-2023		90.68	4.18		0.91	35.62	78.92	9.88	31.69	0.74	48.51	72.24	6.59	26.59	0.79		45.67	95.6	12.1	21.32	1.18				
06-11-2023		85.61	3.9		0.74	39.85	89.35	9.8	28.91	0.84	49.62	86.54	6.24	32.54	0.8		48.92	92.5	11.43	20.65	1.15				
07-11-2023		87.64	3.93		0.81	56.21	95.62	10.19	33.37	0.86	32.58	89.21	6.31	35.77	0.81		51.24	97.8	11.82	21.54	1.2				
08-11-2023		89.38	4		1.07	54.12	93.68	9.98	19.65	0.83	52.34	97.03	6.43	33.57	0.74		57.14	91.6	11.8	19.25	1.13				
09-11-2023		85.63	4.26		1.64	50.18	97.48	9.97	22.96	0.92	32.57	48.59	6.48	28.31	0.68		34.66	96.4	11.69	16.07	0.96				
10-11-2023		82.68	4		1.11	32.68	98.51	9.68	24.08	0.9	28.34	47.26	6.77	23.65	0.82		25.55	87.3	11.91	14.64	0.92				
11-11-2023	Showing NA due to the Cooler Assem	92.54	3.88		0.7	39.56	89.57	9.91	33.4	0.97	51.68	72.85	6.55	29.97	0.7	MIB	46.33	89.6	11.86	16.68	1.03				
12-11-2023	Showing NA due to the Cooler Assem	98.72	4.01		0.8	47.12	78.45	9.92	23.91	0.88	38.7	95.29	6.15	24.45	0.74	Board &	56.89	88.5	11.96	21.02	1.19				
13-11-2023	Showing NA due to the Cooler Assem	99.15	3.95		0.91	49.38	89.62	9.92	32	0.82	38.94	98.15	6.05	22.73	0.78	Chopper	47.12	82.1	11.65	15.34	1.12				
14-11-2023	Showing NA due to the Cooler Assem	96.35	4.21		1.11	45.19	74.15	9.88	23.07	0.83	53.26	68.45	6.09	23.92	0.8	Wheel	42.35	80.7	11.7	16.31	1.2				
15-11-2023	Showing NA due to the Cooler Assem	92.58	4.15		1	43.27	78.84	9.99	21.22	0.81	45.81	92.31	6.12	26.21	0.82	damaged	36.58	79.6	11.83	16.81	1.18				
16-11-2023	Showing NA due to the Cooler Assem	87.62	4.25		1.1	49.62	79.62	9.93	30.54	0.93	40.23	84.51	6.36	26.55	0.79	ed, Spare	41.34	76.5	12.15	18.64	1.21				
17-11-2023	Showing NA due to the Cooler Assem	85.67	4.21		1.02	51.23	98.35	9.94	26.26	0.81	46.97	76.48	6.52	33.77	0.78	is not available	52.35	89.9	11.44	22.8	1.21				
18-11-2023	Showing NA due to the Cooler Assem	80.29	4.24		1.03	53.62	82.52	9.7	28.16	0.83	49.82	89.57	6.42	34.76	0.77	Spare is not available	36.28	94.8	11.58	22.54	1.19				
19-11-2023	Showing NA due to the Cooler Assem	98.45	4.28		1.35	57.48	86.65	9.89	24.33	0.98	35.84	88.87	6.46	35.53	0.94		54.19	92.3	12.05	23.25	1.31				
20-11-2023	Showing NA due to the Cooler Assem	87.02	4.13		0.96	50.89	87.48	9.9	21.3	0.89	56.37	82.14	6.51	36.71	0.93		52.21	67.9	11.41	21.18	1.17				
21-11-2023	Showing NA due to the Cooler Assem	81.47	4.06		0.94	50.57	85.69	9.82	32.24	1.07	48.51	92.68	6.46	35.7	0.82		40.52	78.5	11.85	23.28	1.18				
22-11-2023	Showing NA due to the Cooler Assem	80.95	4.09		0.87	38.45	89.53	9.76	30.34	0.73	46.28	95.46	6.5	38.2	0.79		50.27	85.2	11.92	19.31	1.12				
23-11-2023	Showing NA due to the Cooler Assem	89.67	4.02		0.91	37.48	92.68	9.79	23.7	0.78	43.67	98.72	6.54	35.17	0.85		45.78	80.2	11.81	17.8	1.17				
24-11-2023	Showing NA due to the Cooler Assem	85.63	4.14		1.09	45.61	93.68	9.95	21.35	0.93	35.84	99.26	6.42	29.76	0.86		56.85	86.7	11.26	16.74	1.19				
25-11-2023	Showing NA due to the Cooler Assem	82.64	4.11		0.88	42.75	96.87	9.83	19.68	0.81	44.69	77.14	6.68	31.64	0.79		58.24	88.6	11.34	18.56	1.15				
26-11-2023	Showing NA due to the Cooler Assem	95.58	3.94		0.93	43.09	90.27	9.92	15.07	0.9	37.32	75.93	6.78	28.68	1.31		39.12	75.7	11.06	12.97	1.1				
27-11-2023	Showing NA due to the Cooler Assem	98.63	3.93		1.02	52.67	85.64	9.92	20.23	1.22	22.78	46.11	6.5	23.04	0.68		10.54	79.5	11.42	9.89	0.83				
28-11-2023	Showing NA due to the Cooler Assem	73.62	3.92		0.66	52.64	91.42	9.93	33.08	0.72	33.41	63.18	6.78	27.64	0.7		31.23	82.2	11.43	14.83	0.95				
29-11-2023	Showing NA due to the Cooler Assem	86.42	4.08		0.85	49.85	97.54	11.35	34.31	0.71	33.19	76.24	6.63	33.3	0.84		53.93	86.5	11.65	15.01	1.01				
30-11-2023	Showing NA due to the Cooler Assem	82.93	4.42		0.83	59.71	80.26	10.15	26.28	0.93	53.54	89.2	6.97	38.15	0.88	Internet problem	37.39	85.3	11.64	15.53	1.13				
Month	Day Time	Night Time																							
Nov-23	66	65																							
Standards	< 75	< 70																							

Checked By



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



 Checked By
 Dr. Anand Rai
 Vice President (HOD- Environment)

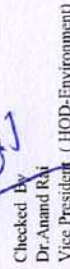
AMBIENT AIR QUALITY MONITORING REPORT

MONTH : December, 2023

Location	Near Kasumata Temple				Near Coke Oven Plant				Near Goa Gate				Near MSEB Substation				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
01-12-2023		91.28	5.72		0.9	56.86	96.86	10.41	24.53	1.06	57.9	87.62	6.71	32.82	0.98	16.37	91.18	11.92	15.62	1.12
02-12-2023		91.3	4.37		1.04	55.38	95.38	10.03	22.81	1.21	54.35	84.18	6.79	36.2	1.15	33.18	95	12.72	18.49	1.19
03-12-2023		99.3	4.31		1.11	58.65	88.65	10.36	21.08	1.23	51.57	88.82	6.84	30.82	1.08	18.92	95.94	11.98	14.82	1.24
04-12-2023		90.22	4.23		0.96	56.33	86.33	9.81	24.54	1.18	55.98	94.98	7.05	32.63	1.06	18.92	95.94	11.98	14.82	1.24
05-12-2023	Showing NA due to the Detector	91.85	4.19		0.89	59.67	89.67	9.54	28.72	1.26	65.52	82.03	7.19	33	1.01	26.25	97.7	11.83	17.26	1.15
06-12-2023	Showing NA due to the Detector	92.31	4.12		0.88	57.03	97.03	9.61	38.53	1.78	69.42	98.18	7.15	31.13	1.02	32.43	95.31	11.14	15.15	1.12
07-12-2023	Showing NA due to the Detector	77.1	4.03		0.93	57.86	97.86	9.77	32.99	0.97	53.91	81.79	7.16	37.28	0.97	25.89	96.64	11.86	14.5	1.07
08-12-2023	Showing NA due to the Detector	83.7	4.27		1.07	57.06	97.06	9.94	26.86	1.02	48.13	78.45	7.13	34.86	1.02	27.91	93.83	11.78	17.51	1.21
09-12-2023	Showing NA due to the Detector	69.2	4.18		1.15	50.91	90.91	9.95	30	1.31	53.14	77.98	7.14	38.5	1.05	31.01	98.91	11.78	17.52	1.12
10-12-2023	Showing NA due to the Detector	71.03	4.23		0.98	55.52	95.52	9.77	31.83	1.16	53.16	74.09	7.22	37.91	1.12	27.42	98.84	11.62	18.01	1.23
11-12-2023	Showing NA due to the Detector	98.75	4.2		1.18	56.88	96.88	9.71	31.21	1.23	57.01	90.33	7.23	39.53	1.21	26.32	83.75	12.29	18	1.32
12-12-2023	Showing NA due to the Detector	70.11	4.26		0.92	58.05	88.05	9.77	33.02	1.15	46.86	81.92	7.59	43.33	0.94	31.01	93.19	11.44	19.27	1.07
13-12-2023	Showing NA due to the Detector	69.74	4.38		0.94	58.67	98.37	9.82	33.01	1.16	54.46	89.58	7.39	47.45	0.97	25.47	91.94	12.2	20.43	1.15
14-12-2023	Showing NA due to the Detector	96.69	4.38		1.07	58.69	88.69	9.83	35.9	1.41	55.37	94.1	7.07	41.59	0.96	23.05	97.46	11.33	17.25	1.14
15-12-2023	Showing NA due to the Detector	97.96	4.42		1.13	52.22	95.22	9.93	35.77	1.3	59.78	91.42	7.04	33.92	0.89	26.06	90.75	11.77	15.07	1.08
16-12-2023	Showing NA due to the Detector	83.54	4.42		1.02	54.84	94.84	9.91	41.42	1.07	59.18	82.72	7.5	46.81	1	42.9	93.11	11.7	19.46	1.13
17-12-2023	Showing NA due to the Detector	96.17	4.41		1.11	53.81	93.81	9.86	36.23	1.85	52.1	84.06	7.71	51.24	1.12	24.97	90.31	11.77	21.27	1.29
18-12-2023	Showing NA due to the Detector	90.59	4.59		1.05	55.77	95.77	9.59	35.71	1.76	59.1	89.59	7.35	41.6	1.01	19.47	93.24	10.36	16.13	1.27
19-12-2023	Showing NA due to the Detector	96.96	4.6		1.14	55.61	95.61	9.56	33.41	1.52	58.54	86.28	8.09	43.65	0.97	19.93	96.87	11.92	14.87	1.11
20-12-2023	Showing NA due to the Detector	90.46	4.5		1.1	50.87	90.87	9.71	40.33	0.94	45.68	86.08	8.22	50.17	1.04	20.26	93.17	12.09	17.65	1.23
21-12-2023	Showing NA due to the Detector	96.22	4.47		1.36	52.89	92.89	9.84	38.05	1.48	52.43	83.11	8.31	48.57	1.23	27	92.32	12.56	20.84	1.44
22-12-2023	Showing NA due to the Detector	96.42	4.58		1.39	54.99	84.99	9.73	40.34	1.36	52.54	96.51	7.92	50.19	1.34	24.51	92.67	11.86	19.39	1.5
23-12-2023	Showing NA due to the Detector	92.06	4.58		1.3	57.06	97.06	9.84	46.21	1.52	55.02	88.74	8.07	48.77	1.27	20.68	94.7	12.21	20.98	1.41
24-12-2023	Showing NA due to the Detector	94.72	4.67		1.39	56.97	96.97	9.47	43.03	1.39	52.54	92.25	7.98	50.61	1.24	30.08	92.02	12.59	21.33	1.4
25-12-2023	Showing NA due to the Detector	99.91	4.66		1.44	51.58	91.58	9.58	42.25	1.6	54.15	97.28	7.91	53.35	1.29	37.11	94.25	12.75	20.53	1.38
26-12-2023	Showing NA due to the Detector	92.12	4.74		1.66	51.55	91.55	9.66	42.82	1.72	57.14	97.84	8.03	54.32	1.41	35.52	98.55	12.73	22.92	1.59
27-12-2023	Showing NA due to the Detector	92.67	5.34		1.66	55.77	95.77	9.63	44.61	1.48	56.14	80.25	8.09	48.37	1.32	29.39	91.01	12.54	21.1	1.46
28-12-2023	Showing NA due to the Detector	95.6	4.5		1.08	57.15	97.15	9.71	36.24	1.42	55.87	88.8	8.31	49.56	1.61	27.32	93.68	12.21	20.74	1.37
29-12-2023	Showing NA due to the Detector	94.62	4.54		1.37	52.12	92.18	9.94	40.79	1.57	57.18	86.83	8.13	40.55	1.27	56.08	92.1	11.67	19.53	1.37
30-12-2023	Showing NA due to the Detector	90.41	4.73		1.5	59	99	9.69	35.46	1.11	55.03	81.68	7.85	37.17	1.19	24.85	91.91	12.23	18.77	1.36
31-12-2023	Showing NA due to the Detector	69.66	4.36		1.22	54.03	94.03	9.62	22.75	1.12	57.26	88.57	6.28	36.4	1.19	23.75	96.03	10.9	17.56	1.48



Prepared By
Dr. P. P. Nanduskar
Manager (Environment)



Checked By
Dr. Anand Rai
Vice President (HOD-Environment)

Month	Day Time	Night Time
Dec-23	66	65
Standards	< 75	< 70

JSW STEEL LIMITED

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH : JANUARY, 2024

Location	Near Kasumata Temple				Near Coke Oven Plant				Near Ghat Gate				Near MSEB Substation				Near Dolei 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
01-01-2024	18	90	4.55		1.57	56	92	9.95	27.77	1.17	53	77	8.1	31.7	1.4	54	88	11.9	17	1.5
02-01-2024	17	84	4.49		1.44	40	57	9.92	27.91	1.26	57	81	8.2	37.2	1.4	44	90	12.2	17.5	1.6
03-01-2024	15	74	4.36		1.29	33	41	9.6	26.01	1.19	55	79	8.3	32.5	1.4	50	96	11.8	14.1	1.4
04-01-2024	13	78	4.33		1.25	57	92	9.57	28.58	1.36	51	80	8.8	38	1.3	47	93	12.6	17.6	1.3
05-01-2024	12	78	4.37		1.15	28	55	9.5	32.56	1.12	46	69	8.5	45.1	1.2	44	76	12.8	21	1.3
06-01-2024	13	85	4.44		1.2	28	51	9.84	30.6	1.28	56	90	8.4	52.8	1.3	45	97	11.3	20.1	1.4
07-01-2024	15	98	4.46		1.33	30	57	9.82	29.28	1.4	55	77	8.3	42.2	1.4	49	94	12.2	17.3	1.4
08-01-2024	15	82	4.35		1.35	27	41	9.62	28.53	1.1	45	72	8.3	38.9	1.3	46	61	13.2	18	1.3
09-01-2024	16	91	4.55		1.47	22	40	9.72	25.53	1.06	33	60	8	28.9	1.1	53	89	12.4	14.4	1
10-01-2024	11	56	4.33		1.14	27	36	9.88	26.12	0.96	27	56	8.2	30.5	1.1	53	89	12.2	14.9	1.1
11-01-2024	32	72	6.41		1.4	32	61	9.69	27.18	1.25	42	66	8.1	37.8	1.3	54	95	12.2	21.6	1.4
12-01-2024	18	75	5.21		1.66	40	80	8.49	35.39	1.58	53	93	9	50.2	1.6	48	92	12.6	22.4	1.4
13-01-2024	17	83	5.17		1.66	53	92	5.2	32.65	1.3	55	92	9	45.4	1.4	49	88	12.8	20	1.3
14-01-2024	11	60	4.94		1.39	43	88	6.83	33.95	1.16	31	76	9	43.4	1.2	49	86	12.1	21.6	1.2
15-01-2024	16	45	4.84		1.22	20	47	6.66	29.55	0.86	26	62	8.8	50.7	1	42	89	12.1	20.4	1.1
16-01-2024	13	35	4.84		1.19	23	66	21.45	32.34	0.53	34	63	8.6	48.3	1.1	42	92	13.1	26.1	1.1
17-01-2024	11	67	4.87		1.26	54	88	9.97	26.33	0.68	38	65	8.4	31.2	1	45	95	12.2	17.7	1
18-01-2024	11	62	4.91		1.43	51	92	11.78	32.17	0.97	43	58	8.6	34.6	1.1	47	75	12.7	19	1.1
19-01-2024	12	67	4.9		1.51	51	85	10.61	29.81	1.18	47	78	8.8	43.2	1.3	55	62	12.4	23.1	1.4
20-01-2024	23	79	5.96		1.56	46	89	10.06	31.17	1.28	46	69	8.5	35.9	1.2	40	79	11.6	18.6	1.2
21-01-2024	19	77	5.77		1.81	47	91	10.12	26.67	1.14	53	86	9.2	50	1.3	48	69	12.5	21.5	1.3
22-01-2024	24	93	5.61	11.04	1.93	52	94	6.51	21.88	1.12	44	76	9.2	40.3	1.7	44	62	12	15.7	1.3
23-01-2024	11	61	5.13	13.63	0.99	22	41	4.87	25.88	0.94	43	71	9.3	59.2	1.1	48	81	11.3	19.5	1.2
24-01-2024	12	75	5.02	14.97	1.03	37	34	3.84	37.28	1.24	43	75	9.4	58.7	0.9	46	77	13	25.2	1.3
25-01-2024	13	79	4.94	13.33	1.36	32	88	4.32	37.67	1.42	42	85	9.2	48.3	1.1	55	75	13.2	27.6	1.4
26-01-2024	18	93	5.11	14.83	1.74	62	93	4.14	32.31	1.62	52	91	9.2	43.5	1.5	49	72	13.1	25.7	1.6
27-01-2024	17	94	5.04	12.96	1.29	54	93	3.75	32.15	1.27	51	90	8.5	38.2	1.1	42	93	12.4	27.1	1.4
28-01-2024	15	81	5.03	13.73	1.2	36	88	2.33	32.22	1	40	82	8.8	41.6	1	52	91	13	29.2	1.4
29-01-2024	16	91	5.07	13.88	1.09	33	91	4.34	37.59	0.94	47	89	8.8	47.8	1	48	82	12.2	27.6	1.2
30-01-2024	16	93	5.04	17.41	1.13	20	56	4.43	33.01	1.06	58	92	9.1	53.2	1	50	80	12.7	33.3	1.3
31-01-2024	15	75	4.89	12.35	1.12	27	85	5.12	28.81	1.13	56	91	8.9	43.6	1	49	89	11.9	29	1.3

Standards

PM2.5 µg/m3	60
PM10 µg/m3	100
(SO2), µg/m3	80
(NOX), µg/m3	80
CO (mg/m3)	2

Prepared by
Dr. P. P. Nanduskar
Manager (Environment)

Checked By
Dr. Anand Rai
Vice President (HOD-Environment)

JSW STEEL LIMITED																															
GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST.- RAIGAD.																															
AMBIENT AIR QUALITY MONITORING REPORT																															
MONTH :FEBRUARY, 2024																															
Location		Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					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	PM2.5	PM10	SO2	NOX	CO
01-02-2024	13	79	4.91	14.86	1.03		51	91	5.05	27.95	0.97	42	78	8.75	28.69	0.9	38	69	5.06	9.22	NA	45	62	11.58	23.53	1.09					
02-02-2024	10	48	4.72	13.36	0.89		51	86	5.31	32.49	0.8	48	89	9.23	39.81	0.87	34	87	4.87	10.37	NA	44	89	12.21	28.36	1.04					
03-02-2024	16	88	4.94	16.64	1.24		32	78	5.14	37.83	0.94	55	89	8.94	37.19	0.94	39	87	5.13	8.92	NA	45	79	11.95	23.16	1.14					
04-02-2024	21	91	4.96	14.99	1.55		52	97	5.38	30.47	1.35	37	68	9.04	39.96	1.84	41	89	5.13	8.39	NA	55	75	12.14	24.35	1.45					
05-02-2024	20	86	5	15.06	1.41		44	68	5.08	33.49	1.26	50	82	8.96	38.11	1.17	45	85	5.16	8.83	NA	54	85	12.38	24.22	1.34					
06-02-2024	41	80	4.96	19.51	1.04		37	88	5.05	40.39	1.01	53	90	8.92	41.66	0.95	42	76	5.07	9.94	NA	36	81	11.6	29.43	1.21					
07-02-2024	17	70	5.63	18.16	0.86		20	78	5.2	43.86	0.99	52	88	8.97	47.44	0.99	52	59	6.28	9.79	NA	34	91	11.93	25.41	1.18					
08-02-2024	16	71	5.53	13.21	0.86		23	89	5.27	36.93	0.96	51	91	9.13	39.63	1.03	47	78	7.33	8.78	NA	35	84	12.5	23.12	1.29					
09-02-2024	15	59	5.33	14.91	0.83		36	94	4.91	36.75	0.84	48	92	9.08	42.44	0.94	35	81	7.4	9.4	NA	35	74	11.15	27.22	1.12					
10-02-2024	12	61	5.41	14.61	0.84		26	69	5.08	35.63	0.77	47	79	9.63	49.8	0.87	35	84	7.32	10.05	NA	29	73	11.69	26.66	1.18					
11-02-2024	12	61	5.37	16.53	0.84		34	93	5.03	34.45	0.91	47	84	9.01	39.08	0.84	29	80	7.1	9.71	NA	37	78	12.22	28.96	1.18					
12-02-2024	13	57	5.33	13.09	0.84		22	54	5.24	31.73	0.96	44	89	8.39	38.73	0.85	30	76	7.02	9.66	NA	36	72	11.67	23.32	1.16					
13-02-2024	14	64	5.36	12.96	0.94		23	55	4.98	33.72	1.16	42	75	8.53	42.18	0.97	34	77	7.05	9.43	NA	34	69	11.74	23.82	1.19					
14-02-2024	15	86	5.47	12.21	0.98		22	53	5.06	39.77	1.32	40	95	9.13	44.95	0.99	41	90	7.05	9.89	NA	29	64	12.48	22.51	1.17					
15-02-2024	35	76	5.37	7.62	1.05		18	41	5.34	38.59	1.21	52	87	9.43	46.28	1.1	42	84	6.89	9.59	NA	37	69	12.93	21.91	1.26					
16-02-2024	26	82	5.26	11.93	1.5		50	77	5.25	36	1.46	53	76	5.76	41.7	1.4	35	75	7.07	9.15	NA	46	82	13.11	26.71	1.47					
17-02-2024	22	80	5.36	11.48	1.41		45	68	4.79	28.4	1.12	46	96	2.82	31.29	1.33	26	54	7.51	9.11	NA	36	80	13.34	22.21	1.26					
18-02-2024	21	79	5.43	11.12	1.56		34	82	5.1	32.94	1.53	48	86	2.67	31.93	1.17	43	73	7.95	9.96	NA	32	72	12.66	20.79	1.27					
19-02-2024	16	75	5.28	12.1	1.23		43	73	5.07	29.87	1.19	38	77	2.89	29.6	0.93	29	70	9	10.43	NA	27	73	12.45	22.64	1.22					
20-02-2024	11	39	5.12	12.07	0.91		29	62	5.06	32.49	0.75	32	74	4.05	47.24	0.82	23	84	7.78	11.21	NA	24	63	12.49	31.5	1.01					
21-02-2024	12	23	5.18	9.12	0.86		22	65	5.07	27.6	0.8	23	53	4.21	39.22	0.78	16	45	8.06	11.25	NA	24	44	12.9	29.53	0.94					
22-02-2024	10	29	5.23	10.97	1.01		16	57	5.96	25.25	0.67	25	57	3.74	26.67	0.82	16	56	8.13	10.69	NA	12	11	12.79	22.16	0.86					
23-02-2024	11	35	5.17	8.77	1.35		37	71	2.6	27.95	0.93	29	72	4	34.33	0.81	22	65	8.18	9.83	NA	13	36	10.75	22.89	0.93					
24-02-2024	10	72	5.37	12.71	1.55		28	83	5.88	38.82	0.98	52	86	4.32	51.81	0.91	34	83	7.98	10.66	NA	42	93	8.77	24.69	1.11					
25-02-2024	11	61	5.17	10.06	1.61		22	43	6.03	34.76	1.17	50	69	3.77	44.35	0.99	31	66	7.8	9.52	NA	32	87	9.17	29.7	1.22					
26-02-2024	19	78	5.41	11.85	2.03		33	37	6.14	33.91	1.78	50	67	4.16	36.26	1.63	25	53	7.72	9.15	NA	44	81	8.34	22.31	1.38					
27-02-2024	24	69	5.4	10.03	1.69		24	52	6.01	34.87	1.08	43	87	4.01	31.69	0.78	29	69	6.18	9.28	NA	38	62	9.96	22.72	1.25					
28-02-2024	38	89	5.59	25.46	1.73		17	39	6.3	36.31	1.15	52	68	4.35	46.49	0.74	36	78	4.8	10.03	NA	26	60	10.15	25.33	1.27					
29-02-2024	54	57	6.02	14.47	0.57		16	27	5.86	39.55	1.45	21	47	4.22	49.86	0.97	36	75	4.61	9.63	NA	16	38	8.96	25.26	1.33					

JSW STEEL LIMITED

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH : MARCH, 2024

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					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
01-03-2024	51	73	5.62	15.49	0.66	17	62	5.79	32.42	1.21	34	65	5.06	31.59	0.87	27	68	4.94	9.83	NA	49	70	7.99	18.89	1.27
02-03-2024	22	44	5.42	15.17	0.37	28	55	5.37	24.31	0.75	44	78	6.42	29.32	0.69	36	43	4.66	10.52	NA	52	77	7.34	16.84	0.88
03-03-2024	41	38	5.49	13.63	0.32	32	70	7.08	19.81	0.49	32	62	5.24	15.28	0.46	25	48	5.31	10.41	NA	31	64	6.97	13.62	0.5
04-03-2024	24	28	5.51	12.38	0.32	35	62	5.96	24.9	0.76	48	78	7.43	29.72	0.5	35	62	5.23	10.2	NA	33	74	7.27	13.53	0.6
05-03-2024	37	67	5.74	15.31	0.55	29	57	5.82	25.4	0.85	41	88	8.47	36.03	0.62	34	77	4.66	9.64	NA	28	67	7.26	18.95	0.72
06-03-2024	37	92	5.69	12.59	0.52	51	92	5.81	36.01	0.82	40	84	7.56	40.67	0.53	33	73	5.41	34.07	NA	39	58	7.51	28	0.78
07-03-2024	56	73	5.79	14.33	0.63	46	95	5.7	35.08	0.94	51	79	7.64	40.94	0.59	34	69	5.33	11.85	NA	37	63	7.99	26.58	0.91
08-03-2024	49	80	5.64	13.29	0.62	47	93	5.7	43.56	0.89	38	91	7.86	42.76	0.62	35	73	4.91	9.66	NA	42	89	8.12	23.27	0.81
09-03-2024	44	82	5.75	13.33	0.62	47	74	6.01	45.25	0.93	55	91	7.79	53.01	0.68	44	79	4.69	10.06	NA	48	90	8.24	29.17	0.96
10-03-2024	40	94	5.84	14.88	0.71	40	71	5.62	45.78	1.09	46	79	9.2	45.27	0.67	31	61	4.42	9.84	NA	41	70	8.34	28.01	0.86
11-03-2024	36	80	5.72	12.7	0.66	40	79	2.71	42.02	1.07	47	80	8.36	46.58	0.65	45	75	7.07	9.88	NA	37	71	8.1	26.04	0.87
12-03-2024	44	91	5.81	14.9	0.7	46	97	7.44	52.96	1.13	49	90	8.1	42.44	0.65	49	91	7.22	9.8	NA	31	73	7.53	24.45	0.87
13-03-2024	48	92	5.61	12.67	0.59	39	52	6.21	41.09	0.94	31	47	6.92	31.86	0.58	39	67	6.15	9.71	NA	27	41	7.01	20.43	0.74
14-03-2024	38	66	5.68	10.73	0.5	26	43	6.06	34.42	0.72	25	40	6.19	27.44	0.52	30	75	7.61	9.62	NA	24	65	8.03	19.24	0.62
15-03-2024	34	52	5.59	13.83	0.5	23	57	5.6	34.66	0.73	25	45	6.85	34.97	0.57	38	64	7.53	9.93	NA	33	71	7.24	20.93	0.72
16-03-2024	40	58	5.6	10.53	0.5	28	62	6	30.26	0.69	21	43	6.58	28.43	0.5	39	77	7.9	10.05	NA	19	40	7.35	20.45	0.68
17-03-2024	36	53	5.68	9.84	0.54	29	63	5.63	29.21	0.86	23	44	7.66	29.95	0.73	27	56	6.24	10.6	NA	28	47	7.58	20.44	0.74
18-03-2024	31	48	5.72	8.05	0.48	22	52	7.02	29.71	0.72	21	36	6.55	23.67	0.64	34	63	5.88	9.36	NA	37	65	7.3	13.74	0.67
19-03-2024	42	78	5.73	9.36	0.57	20	67	6	34.27	0.83	18	43	5.08	17.94	0.48	41	72	5.64	9.5	NA	24	55	7.1	14.25	0.64
20-03-2024	34	74	5.76	10.77	0.6	42	71	5.97	33.48	0.84	48	83	5.43	44.04	0.66	35	61	5.95	10.72	NA	29	55	8.04	28.62	0.83
21-03-2024	55	65	5.78	10.48	1.16	31	70	6.07	33.9	1.28	51	93	5.94	57.09	1.09	32	61	5.32	10.21	NA	52	88	7.94	35.76	1.07
22-03-2024	57	89	6.11	13.36	1.75	54	85	5.95	24.76	1.25	33	62	5.33	31.19	0.84	23	58	5.87	9.55	NA	41	74	7.35	21.47	1.03
23-03-2024	22	49	5.63	10.22	0.86	31	76	6.02	27.75	1.1	31	68	5.23	24.48	0.74	48	72	5.7	9.94	NA	27	68	7.56	16.8	0.71
24-03-2024	16	52	5.69	10.44	0.71	22	52	6.11	22.74	0.72	25	65	5.14	27.57	0.5	29	59	5.38	10.43	NA	29	74	7.25	16.54	0.65
25-03-2024	17	48	5.68	10.54	0.87	26	65	6.11	27.99	1.05	27	78	5.39	21.25	0.69	21	55	4.53	9.33	NA	31	68	7.78	13.82	0.87
26-03-2024	13	44	5.62	8.63	0.63	34	63	6.13	19.19	0.71	32	73	5.47	14.6	0.48	27	56	5	10.56	NA	26	61	6.78	12.49	0.57
27-03-2024	14	51	5.59	8.93	0.61	39	68	6.04	22.56	0.67	34	70	5.04	21.68	0.57	25	47	4.83	11.65	NA	31	55	7.45	15.41	0.62
28-03-2024	10	43	5.55	8.59	0.6	35	55	6.07	18.28	0.64	41	75	5.47	20.8	0.57	28	56	7.81	11.54	NA	33	67	7.54	15.33	0.54
29-03-2024	10	52	5.54	8.05	0.68	38	78	6.03	20.82	0.69	31	68	5.92	19.66	0.53	27	56	7.72	10.39	NA	46	94	7.62	14.8	0.56
30-03-2024	12	65	6.06	7.15	0.64	48	86	5.99	20.28	0.72	41	71	5.56	21.26	0.52	31	55	7.3	11.03	NA	33	75	6.45	14.24	0.63
31-03-2024	14	54	5.99	8.67	0.79	51	90	3.84	30.1	0.87	46	84	5.01	25.85	0.5	33	73	7.67	10.51	NA	37	85	5.58	18.83	0.61

Standards

PM2.5 µg/m ³	60
PM10 µg/m ³	100
(SO ₂), µg/m ³	80
(NOX), µg/m ³	80
CO (mg/m ³)	2

Prepared By
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