

November 20, 2022

ARCL/ENV/MoEF & CC/2022

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 April, 2022 to September 2022.

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 April, 2022 to September 2022 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

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)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³					
									Particulate Matter (PM)	SO ₂	NO _x	CO		
I Coke Oven Plant											Plant Capacity: 1.0 MTPA			
1	Coke Oven Battery A & B	Coke Oven Battery A & B	145	4.50	Natural Draft	19/04/2022 14:45 Hrs	2378.0	9.5	47.6	112.0	125.0	132.0		
						22/05/2021 10:30 Hrs	2294.0	12.0	46.0	172.0	192.0	199.3		
						24/06/2022 11:16Hrs	2232.0	9.5	48.6	112.0	125.0	132.0		
						16/07/2022 12:20 Hrs	2030.0	6.5	48.2	112.0	80.0	121.0		
						09/08/2022 14:33 Hrs	2201.0	5.9	48.7	140.1	34.8	111.8		
						21/09/2022 12:25 Hrs	2191.0	4.2	47.8	122.2	49.0	88.0		
2	Ground De-dusting system	Coke Oven Battery A & B	31	2.50	Bag Filters	19/04/2022 10:00 Hrs	2378.0	7.3	10.0	NA	NA	NA		
						20/05/2021 10:02 Hrs	2231.0	8.0	12.0	NA	NA	NA		
						24/06/2022 09:50Hrs	2232.0	7.3	10.0	NA	NA	NA		
						16/07/2022 09:52 Hrs	2030.0	5.3	9.2	NA	NA	NA		
						08/08/2022 09:55 Hrs	2152.0	5.8	7.8	NA	NA	NA		
						21/09/2022 10:20 Hrs	2191.0	5.2	8.8	NA	NA	NA		
3	Boiler	WHRB Boiler	40	2.00	-	08/04/2022 11:20 Hrs	9.0	14.0	18.0	36.0	42.0	52.0		
						22/05/2021 12:12 Hrs	10.2	16.0	19.0	131.0	185.0	177.0		
						18/06/2022 12:02 Hrs	11.5	12.0	18.0	32.0	38.0	42.0		
						09/07/2022 15:40 Hrs	151.0	10.2	19.0	29.0	35.0	40.0		
						17/08/2022 12:11 Hrs	7.5	12.0	17.0	28.0	31.0	42.0		
						23/09/2022 10:28 Hrs	21.9	7.2	3.0	26.0	33.0	28.0		
							CPCB Norms							
II Pellet Plant											Plant Capacity: 4.0 MTPA			
1	Dedusting 1 & 2	Mixer Unit	30.5	1.15	Bag Filters	15/04/2022 14:33 Hrs	10808.0	6.5	19.0	NA	NA	NA		
						26/05/2021 10:00 Hrs	7597.0	7.0	24.0	NA	NA	NA		
						04/06/2022 14:10 Hrs	10005.0	5.2	22.0	NA	NA	NA		
						15/07/2022 10:40 Hrs	9929.0	4.4	17.0	NA	NA	NA		
						26/08/2022 10:32 Hrs	7808.0	4.0	18.0	NA	NA	NA		
						06/09/2022 10:10 Hrs	10734.0	5.1	21.0	NA	NA	NA		
2	Dedusting 3	Betonite Unit	30.5	0.89	Bag Filters	15/04/2022 16:05 Hrs	10808.0	6.7	24.0	NA	NA	NA		
						26/05/2021 12:10 Hrs	7597.0	9.0	28.0	NA	NA	NA		
						04/06/2022 16:25 Hrs	10005.0	6.0	25.0	NA	NA	NA		
						15/07/2022 12:05 Hrs	9929.0	5.5	23.0	NA	NA	NA		
						26/08/2022 12:02 Hrs	7808.0	5.2	23.0	NA	NA	NA		
						06/09/2022 12:02 Hrs	10734.0	5.6	25.0	NA	NA	NA		

(Signature)
 P.P. Nandusekar
 Manager (Environment)

(Signature)
 Checked By
 Dr. Anand 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)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³			
									Particulate Matter (PM)	SO ₂	NOx	CO
3	Main ESP	Induration Furnace	100	6.25	ESP	15/04/2022 12:03 Hrs	10808.0	7.6	9.6	18.20	28.00	33.00
						01/05/2021 16:30 Hrs	9665.0	7.9	17.3	12.25	25.96	24.74
						09/06/2022 12:23 Hrs	9085.0	7.5	7.1	29.00	23.00	28.00
						18/07/2022 16:04 Hrs	9775.0	7.8	28.0	29.77	23.00	26.37
						11/08/2022 10:07 Hrs	9856.0	7.5	8.3	39.70	35.00	32.00
						21/09/2022 14:53 Hrs	9604.0	7.7	10.6	38.00	36.00	28.00
4						20/04/2022 10:15 Hrs	8059.0	6.5	28.0	NA	NA	NA
	Dedusting 7	Hearth Layer	30.5	1.35	Bag Filters	04/05/2021 10:10 Hrs	10665.0	8.0	31.0	NA	NA	NA
						13/06/2022 10:05 Hrs	9009.0	5.0	28.0	NA	NA	NA
						19/07/2022 10:25 Hrs	9608.0	4.2	27.0	NA	NA	NA
						05/08/2022 10:25 Hrs	10305.0	4.8	25.0	NA	NA	NA
						06/09/2022 14:18 Hrs	10734.0	4.9	27.0	NA	NA	NA
5						20/04/2022 12:25 Hrs	8059.0	7.0	34.0	NA	NA	NA
	Dedusting 8	Final Product Silo	30.5	2	Bag Filters	04/05/2021 14:15 Hrs	10665.0	8.0	35.0	NA	NA	NA
						13/06/2022 12:25 Hrs	9009.0	6.0	32.0	NA	NA	NA
						19/07/2022 12:30 Hrs	9608.0	5.1	26.0	NA	NA	NA
						05/08/2022 12:18 Hrs	10305.0	5.4	28.0	NA	NA	NA
						21/09/2022 15:15 Hrs	9604.0	5.4	30.0	NA	NA	NA
6						20/04/2022 14:28 Hrs	8059.0	5.2	20.0	NA	NA	NA
	Dedusting 9	Final Product Silo	30.5	0.69	Bag Filters	04/05/2021 16:20 Hrs	10665.0	7.0	26.0	NA	NA	NA
						13/06/2022 15:18 Hrs	9009.0	4.0	18.0	NA	NA	NA
						19/07/2022 15:15 Hrs	9608.0	4.9	18.0	NA	NA	NA
						05/08/2022 15:15 Hrs	10305.0	3.8	15.0	NA	NA	NA
						06/09/2022 16:08 Hrs	10734.0	4.8	18.0	NA	NA	NA
						CPCB Norms			< 150	< 100	< 500	< 1




Checked By
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Vice President (HOD-Environment)

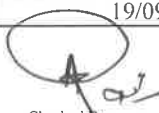


Prepared By
P.P. Nandusekar
Manager (Environment)

b) FUGITIVE EMISSION STATUS:

Sr. No.	Location of the Station	Date & Time of Monitoring	Parameters ($\mu\text{g}/\text{m}^3$)		
			PM10	SO ₂	NO _x
A Coke Oven Plant					
CPCB Norms ($\mu\text{g}/\text{m}^3$)			3000	200	150
1	Near Coal Blending Area	18-04-2022	2409.1	10.8	34.69
		19/05/2022	2399.1	11.0	35.46
		25/06/2022	2193.9	10.8	37.00
		19-07-2022	2077.8	11.0	36.23
		22/08/2022	1791.3	107.7	34.69
		21/09/2022	1570.0	8.1	25.62
2	Near Secondary Coal Crusher Area	18-04-2022	2401.9	5.8	23.30
		19/05/2022	2192.8	6.1	26.04
		25/06/2022	2521.1	6.3	25.38
		20-07-2022	2785.6	6.1	22.61
		22/08/2022	2223.7	6.3	23.98
		21/09/2022	1912.7	7.3	23.98
3	Near Coke Oven Battery A Warf Area	18-04-2022	2611.9	7.7	30.83
		19/05/2022	1659.1	8.6	30.15
		25/06/2022	2872.9	9.1	30.87
		20-07-2022	2842.1	8.6	31.52
		22/08/2022	2057.4	8.4	33.57
		21/09/2022	2230.9	8.2	33.57
4	Near Coke Oven Battery B Warf Area	18-04-2022	2152.1	5.0	23.43
		20/05/2022	2351.9	5.3	24.05
		25/06/2022	2513.4	5.0	25.28
		20-07-2022	2998.7	4.8	25.90
		22/08/2022	2716.0	4.6	26.52
		22/09/2022	2564.3	4.7	26.52
5	Near Coke Cutter Area	19-04-2022	2661.9	6.5	20.97
		20/05/2022	2184.5	6.9	22.82
		27/06/2022	2043.4	7.4	23.43
		20-07-2022	1607.0	6.9	19.73
		23/08/2022	2060.8	7.4	20.35
		22/09/2022	1881.8	7.5	20.35
6	Near Coke Screening Area	19-04-2022	1899.3	6.1	22.82
		20/05/2022	1930.7	5.7	24.05
		27/06/2022	1918.9	5.9	22.20
		21-07-2022	1565.74	6.10	20.97
		23/08/2022	1645.6	5.3	21.58
		22/09/2022	1645.6	5.7	21.58
7	Near Sulphur Recovery Area	19-04-2022	1611.6	7.1	25.90
		20/05/2022	1882.1	7.4	27.13
		27/06/2022	1812.2	7.6	28.37
		21-07-2022	1536.3	8.0	29.60
		23/08/2022	1003.8	7.6	30.22
		22/09/2022	1262.7	8.0	30.22
B Pellet Plant					
CPCB Norms ($\mu\text{g}/\text{m}^3$)			3000	200	150
1	Near Mixer Building Area	15-04-2022	2063.6	7.8	21.58
		17/05/2022	2235.0	8.2	22.20
		23/06/2022	1565.4	7.8	24.05
		18-07-2022	1189.7	7.6	23.43
		18-08-2022	1685.4	7.78	22.82
		19/09/2022	1689.6	7.7	22.82
2	Near Bentonite Storage Area	15-04-2022	2175.0	7.4	32.38
		17/05/2022	2368.0	7.1	33.15
		23/06/2022	1902.2	7.6	33.92
		18-07-2022	1556.5	8.1	34.69
		18-08-2022	2044.7	8.4	35.46
		19/09/2022	2233.7	8.1	35.46


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 Checked By
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3	Near Additive Ball Mill Area	15-04-2022	1802.0	8.4	17.13
		18/05/2022	2218.5	7.9	18.50
		23/06/2022	2106.4	8.2	17.81
		18-07-2022	1678.2	6.5	17.13
		18-08-2022	1610.2	6.8	17.81
		20/09/2022	1929.4	6.0	17.81
4	Near Ball Mill Area	15-04-2022	2392.05	8.87	24.67
		18/05/2022	2170.27	9.11	26.72
		24/06/2022	1795.93	8.87	26.04
		18-07-2022	1280.07	8.64	25.35
		18-08-2022	1690.74	8.41	26.04
		20/09/2022	1885.74	8.68	26.04
5	Near Indurating Machine	14-04-2022	2259.8	77.8	24.05
		18/05/2022	1844.3	7.6	25.28
		24/06/2022	1926.3	7.4	25.90
		19-07-2022	1576.5	7.6	26.52
		20-08-2022	1540.9	8.2	28.98
		20/09/2022	1686.5	5.1	28.98
6	Near Hearth Layer Area	14-04-2022	2726.9	8.2	26.52
		18/05/2022	2670.8	8.6	27.13
		24/06/2022	2772.9	8.8	28.37
		19/07/2022	1295.0	8.6	28.98
		20/08/2022	1867.4	8.8	30.22
		20/09/2022	2342.8	8.5	30.22
7	Near Product Storage Area	14-04-2022	2943.3	8.8	27.13
		19/05/2022	2978.1	9.0	27.75
		24/06/2022	2990.4	9.2	28.98
		19/07/2022	1389.8	9.7	27.75
		20/08/2022	2122.0	9.5	28.98
		21/09/2022	2449.4	9.2	28.98


 Prepared By
 P.P. Nandusekar
 Manager (Environment)


 Checked By
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 Vice President (HOD-Environment)

C. WATER POLLUTION STATUS:

Water Consumption/tonne of product produced :

Water Consumption / MT of Coke Produced : 2.500 M³/MT, from April, 2022 to September, 2022 (For COP only).

Water Consumption / MT of Pellet Produced : 0.147 M³/MT, April, 2022 to September, 2022 (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
From April, 2022 to September, 2022	COBP Effluent	BOD Plant - oil separation pool and air floatation pool, anaerobic pool, anoxia pool, aerobic pool and contact oxidization pool, Activated Carbon, Pressure Sand Filter	107.31 m ³ /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, expect pH & Temp.)					
				Temp. (°C)	pH	TSS	D.O.	C.O.D.	B.O.D.
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, expect pH & Temp.)				Remark
			Temp. (°C)	pH	TSS	BOD	
From April, 2022 to September, 2022	BOD Plant	After treatment 100 % quantity used for coke-quenching or gardening.					All septic tank water Connected to BOD Plant

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

Checked By: 
Dr. Anand Raj
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	104154.1	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	17381	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
		29.5	Decanter Sludge (Category No. 13.4)	100 % Reused in Coke Oven process
		65 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
		1030KG	Waste /residu containing Oil (oil Soack Cotton) (Category No. 5.2)	Disposed in HSM furnace.

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Manager (Environment)

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


E. NOISE POLLUTION CONTROL STATUS:

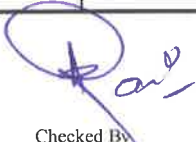
Sr. No	Location	Distance from the Source (m)	Name of Control Equipment provided	Date of Monitoring	Noise Level Leq. dB(A)			
					Day		Night	
					Time	dB(A)	Time	dB(A)
A	Coke Oven Plant							
1	Near Coke Oven -Battery Pushing side	5	**	08-04-2022	11:46	89	00:53	88
				23-04-2022	13:21	88	01:28	87
				09-05-2022	16:23	90	01:18	89
				21-05-2022	20:26	89	02:32	86
				07-06-2022	11:46	90	00:53	89
				24-06-2022	13:21	88	01:28	87
				07-07-2022	11:46	89	02:11	88
				21-07-2022	13:21	88	02:11	87
				07-08-2022	16:23	90	01:18	89
				21-08-2022	20:26	89	02:32	86
				09-09-2022	14:19	87	01:10	86
				23-09-2022	19:20	86	05:25	85
2	Near Coke Oven -Battery Coke side	5	**	08-04-2022	11:48	87	00:57	86
				23-04-2022	13:28	86	01:34	85
				09-05-2022	16:27	88	01:21	87
				21-05-2022	20:29	85	02:35	85
				07-06-2022	11:48	87	00:57	86
				24-06-2022	13:28	85	01:34	84
				07-07-2022	11:48	87	02:17	86
				21-07-2022	13:28	86	02:17	85
				07-08-2022	16:27	88	01:21	87
				21-08-2022	20:29	85	02:35	85
				09-09-2022	14:21	86	01:14	84
				23-09-2022	19:23	85	05:28	85
3	Near Coke cutter/coke screening area	5	**	08-04-2022	11:52	87	01:03	87
				23-04-2022	13:31	85	01:38	86
				09-05-2022	16:31	86	01:26	86
				21-05-2022	20:33	85	02:39	84
				07-06-2022	11:52	87	01:03	87
				24-06-2022	13:31	85	01:38	86
				07-07-2022	11:52	87	02:22	87
				21-07-2022	13:31	85	02:22	86
				07-08-2022	16:31	86	01:26	86
				21-08-2022	20:33	85	02:39	84
				09-09-2022	14:23	85	01:17	84
				23-09-2022	19:26	86	05:32	85
4	Near BOD Plant area	5	**	08-04-2022	11:56	86	01:09	85
				23-04-2022	13:36	85	01:46	84
				09-05-2022	16:35	84	01:31	86
				21-05-2022	20:37	83	02:42	85
				07-06-2022	11:56	87	01:09	86
				24-06-2022	13:36	85	01:46	84
				07-07-2022	11:56	86	02:28	85
				21-07-2022	13:36	85	02:27	84
				07-08-2022	16:35	84	01:31	86
				21-08-2022	20:37	83	02:42	85
				09-09-2022	14:27	85	01:21	84
				23-09-2022	19:29	86	05:35	85

Prepared By
P. P. Nandusekar
Manager (Environment)


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


5	Near Coke Oven Main office Area	5	**	08-04-2022	11:59	83	01:14	83
				23-04-2022	13:39	82	01:51	82
				09-05-2022	16:39	85	01:35	84
				21-05-2022	20:41	84	02:46	83
				07-06-2022	11:59	83	01:14	83
				24-06-2022	13:39	83	01:51	82
				07-07-2022	11:59	83	02:34	83
				21-07-2022	13:39	82	02:32	82
				07-08-2022	16:39	85	01:35	84
				21-08-2022	20:41	84	02:46	83
				09-09-2022	14:31	85	01:26	84
				23-09-2022	19:33	86	05:39	85
				6	Near Coal blending Area	5	**	08-04-2022
23-04-2022	13:45	88	01:55					84
09-05-2022	16:41	87	01:37					85
21-05-2022	20:43	87	02:49					84
07-06-2022	12:06	89	01:18					86
24-06-2022	13:45	87	01:55					85
07-07-2022	12:06	89	02:39					86
21-07-2022	13:45	88	02:38					84
07-08-2022	16:41	87	01:37					85
21-08-2022	20:43	87	02:49					84
09-09-2022	14:35	84	01:31					83
23-09-2022	19:37	89	05:42					87
7	Near Ammonia scrubber Area	5	**					08-04-2022
				23-04-2022	13:48	85	01:59	85
				09-05-2022	16:44	87	01:40	88
				21-05-2022	20:48	86	02:52	87
				07-06-2022	12:09	86	01:22	87
				24-06-2022	13:48	85	01:59	85
				07-07-2022	12:09	86	02:44	87
				21-07-2022	13:48	85	02:42	85
				07-08-2022	16:44	87	01:40	88
				21-08-2022	20:48	86	02:52	87
				09-09-2022	14:39	88	01:35	86
				23-09-2022	19:41	86	05:46	85
				8	Near Secondary Crusher Area	5	**	08-04-2022
23-04-2022	13:52	86	02:03					85
09-05-2022	16:48	86	01:43					85
21-05-2022	20:52	84	02:56					83
07-06-2022	12:14	87	01:25					87
24-06-2022	13:52	86	02:03					85
07-07-2022	12:14	87	02:09					87
21-07-2022	13:52	86	02:47					85
07-08-2022	16:48	86	01:43					85
21-08-2022	20:52	84	02:56					83
09-09-2022	14:41	85	01:37					84
23-09-2022	19:43	84	05:49					83
B. Pellet Plant								
1	Near Ball Mill Area	5	**	08-04-2022	13:02	87	02:15	86
				23-04-2022	15:48	88	02:45	87
				09-05-2022	17:21	89	02:11	89
				21-05-2022	21:33	88	03:40	88
				07-06-2022	13:02	87	02:15	86
				24-06-2022	15:48	88	02:45	87
				08-07-2022	13:10	87	03:45	86
				22-07-2022	19:11	88	01:13	87
				08-08-2022	12:28	87	02:11	89
				24-08-2022	18:11	88	03:40	88
				10-09-2022	16:10	89	03:11	88
				24-09-2022	16:04	87	03:02	86


 Prepared By
 P.P. Nandusekar
 Manager (Environment)


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

2	Near Additive Ball Mill Area	5	**	08-04-2022	13:06	87	02:18	86
				23-04-2022	15:52	86	02:49	85
				09-05-2022	17:24	87	02:13	87
				21-05-2022	21:37	86	03:43	86
				07-06-2022	13:06	87	02:18	86
				24-06-2022	15:52	86	02:49	85
				08-07-2022	13:18	87	03:47	86
				22-07-2022	19:20	86	01:15	85
				08-08-2022	12:35	87	02:13	87
				24-08-2022	18:20	86	03:43	86
				10-09-2022	16:15	86	03:17	86
				24-09-2022	16:05	86	03:08	85
				3	Near Main ESP	5	**	08-04-2022
23-04-2022	15:57	89	02:54					88
09-05-2022	17:28	86	02:17					85
21-05-2022	21:41	84	03:48					87
07-06-2022	13:09	91	02:22					90
24-06-2022	15:57	89	02:54					89
08-07-2022	13:24	90	03:50					89
22-07-2022	19:24	89	01:20					88
08-08-2022	12:45	91	02:17					89
24-08-2022	18:24	89	03:48					87
10-09-2022	16:18	90	03:22					88
24-09-2022	16:08	88	03:14					88
4	Near Product Storage Area	5	**					08-04-2022
				23-04-2022	16:03	86	02:57	85
				09-05-2022	17:33	86	02:21	85
				21-05-2022	21:44	85	03:51	84
				07-06-2022	13:12	87	02:25	86
				24-06-2022	16:03	87	02:57	86
				08-07-2022	13:30	87	03:55	86
				22-07-2022	19:28	86	01:25	85
				08-08-2022	12:50	87	02:21	85
				24-08-2022	18:28	86	03:51	84
				10-09-2022	16:22	87	03:27	86
				24-09-2022	16:11	89	03:21	87
				5	Near Indurating area	5	**	08-04-2022
23-04-2022	16:07	88	03:03					87
09-05-2022	17:37	86	02:25					86
21-05-2022	21:48	85	03:54					85
07-06-2022	13:16	89	02:29					88
24-06-2022	16:07	88	03:03					87
08-07-2022	13:37	89	04:01					88
22-07-2022	19:34	88	01:38					87
08-08-2022	13:00	89	02:25					86
24-08-2022	18:34	88	03:54					85
10-09-2022	16:26	89	03:31					87
24-09-2022	16:13	87	03:25					86



 Prepared By
 P.P. Nandusekar
 Manager (Environment)


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6	Near Hearth Layer Area	5	**	08-04-2022	13:20	87	02:34	86
				23-04-2022	16:09	85	03:07	84
				09-05-2022	17:41	88	02:29	89
				21-05-2022	21:45	86	03:58	88
				07-06-2022	13:20	87	02:34	86
				24-06-2022	16:09	85	03:07	84
				08-07-2022	13:44	87	04:04	86
				22-07-2022	19:39	85	01:44	84
				08-08-2022	13:10	87	02:29	89
				24-08-2022	18:39	85	03:58	88
				10-09-2022	16:30	88	03:37	86
				24-09-2022	16:16	86	03:31	84

- ** 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
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 Checked By
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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/ BO/ CAC - Cell/ UAN No. 0000024004 - 17 / CAC - 1803000008 dated 01/03/2018 Applied for renewal	01/06/2017	31-05-2022 Applied for renewal
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/ BO/ CAC - Cell/ UAN No. 0000045570 - 18 / CAC - 1811000098 dated 02/11/2018 Applied for renewal	01-07-2018	30-09-2022 Applied for renewal


Prepared By
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 : April, 2022

Location Date	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
01-04-2022	28.5	95.8	10.3	29.7	1.9	54.54	90.69	1.35	13.5	0.4	56.33	94.22	4.61	1.5	0.45	19.57	46.57	3.50	2.35	1.00
02-04-2022	35.9	99.3	10.1	38.3	2	56.63	94.69	1.71	9.17	0.2	52.95	94.73	3.47	1.5	0.55	13.28	35.05	3.52	2.30	1.11
03-04-2022	26.7	98.2	10	41.9	1.9	56.51	93.65	1.46	17.9	0.3	51.14	99.33	3.11	1.5	0.44	17.92	62.4	3.92	9.77	1.26
04-04-2022	31.7	96.6	10.1	50.7	2.3	58.51	90.8	1.33	23.5	0.6	52.94	94.95	3.68	1.5	0.62	20.14	54.9	5.47	8.53	1.44
05-04-2022	23.4	81.4	9.98	33.2	1.9	55.06	91.3	0.87	6.53	0.2	53.25	95.92	2.5	0.9	0.41	14.65	40.77	6.66	7.83	1.26
06-04-2022	21.8	72.7	9.99	28.1	1.9	54.09	97.28	1.04	9.31	0.3	45.46	91.91	2.63	0.5	0.36	16.51	20.29	7.34	7.49	1.72
07-04-2022	23.3	82	10.1	38.2	2	54.13	97.86	1.25	15.4	0.5	45.37	95.51	3.82	7.36	0.48	10.57	13.58	8.28	2.13	1.23
08-04-2022	20.9	67.5	10.4	34.4	2.3	51.48	92.8	0.95	11.7	0.6	34.2	94.36	2.82	13.85	0.42	33.85	43.1	6.13	29.51	1.74
09-04-2022	25.2	66.6	10.4	43.7	2.9	53.87	94.01	0.63	6.24	0.3	30.41	80.4	2.92	14.11	0.34	30.64	43.18	2.53	4.05	1.62
10-04-2022	20.6	53.4	10.2	25.4	2	52.91	95.18	0.42	4.68	0.4	31.84	66.51	2.57	11.74	0.42	13.45	20.9	2.11	5.88	1.53
11-04-2022	19.2	54.7	10.3	29.7	1.9	56.06	91.06	0.95	14.6	0.4	20.48	64.7	2.77	14.07	0.32	17.64	46.77	2.09	8.47	1.59
12-04-2022	24.6	75.6	10.6	48	2	51.96	96.21	0.9	25	0.4	24.68	99.82	3.82	18.7	0.43	16.13	95.2	2.01	12.01	1.50
13-04-2022	25.8	76.3	10.6	49.6	2	51.87	92.54	0.46	27	0.4	25.26	96.99	3.13	21.51	0.54	14.10	87.1	1.96	11.36	1.60
14-04-2022	26.9	98.6	10.7	59.2	2.5	51.94	90.68	1.21	17.6	0.5	24.09	92.02	2.59	16.27	0.5	54.57	77.6	2.56	27.42	2.28
15-04-2022	18.8	73.6	10.4	30.3	2	57.55	90.54	1.13	6.17	0.4	24.06	79.26	2.23	16.46	0.39	14.18	69.3	2.16	5.05	1.47
16-04-2022	23.9	75.7	10.5	41.3	2.1	55.29	92.7	0.95	11.7	0.3	21.97	91.31	3.58	15.93	0.54	28.07	94.8	2.62	13.94	2.48
17-04-2022	18	69.4	10.5	28.2	2	51.64	92.01	1.47	0.01	0.2	24.23	77.36	3.62	13.48	0.35	17.64	88.5	2.00	9.46	1.59
18-04-2022	18.8	71.5	10.6	33.3	2	55.96	96.27	0.65	0	0.2	24.13	81.61	2.75	14.94	0.35	10.17	62.6	6.49	6.23	1.5
19-04-2022	20.4	63.8	10.6	39.1	2	54.86	97.6	1.33	0	0.2	20.48	87.55	3.86	16.67	0.42	14.88	40.1	7.16	10.58	1.7
20-04-2022	21.9	58.8	10.5	35.9	2.1	50.6	99.02	2.46	0	0.7	23.61	76.44	2.95	22.35	0.46	15.49	39.6	7.97	14.91	1.9
21-04-2022	40.1	89.2	10.7	45.8	2.2	53.13	98.76	0.25	0.04	0.8	52.07	91.22	5.06	14.46	0.53	22.14	98.4	8.54	14.57	1.9
22-04-2022	33.1	89.3	10.5	35.5	2.3	57.29	91.09	1.19	0.09	0.6	49.48	92.8	3.48	20.85	0.58	40.06	88.3	8.64	17.01	2.3
23-04-2022	35.5	96.7	10.4	64.7	2.8	53.96	97.43	1.18	0.14	0.6	55.93	96.88	2.63	23.88	0.58	26.2	86.7	8.88	18.58	2.1
24-04-2022	28.1	86.3	10.2	28.1	2.5	53.06	93.48	1.44	0.15	0.4	44.05	97.01	1.74	16.47	0.51	20.88	53.1	8.87	13.56	2
25-04-2022	33	84.6	10.5	52.3	2.2	58.49	90.61	3.62	0.25	0.3	44.22	96.04	3.17	24.13	0.52	19.48	73.6	9.16	17.6	1.9
26-04-2022	31	76.5	10.4	37.5	2.4	55.49	91.57	1.47	0.01	0.2	36.45	94.27	3.13	16.93	0.4	34.52	81.4	7.95	22.4	2.1
27-04-2022	21.9	66.3	10.6	51.2	2.2	56.03	93.66	1.18	0.14	0.6	43.52	90.92	2.67	27.57	0.46	18.87	88.3	8.34	20.38	1.8
28-04-2022	30.1	98.7	10.8	71.1	3.4	55.96	89.59	1.18	0.14	0.6	55.01	95.62	4	28.41	0.68	31.8	85.9	8.75	21.26	2.1
29-04-2022	19.5	68.7	9.86	23.2	2.2	54.86	90.48	1.25	15.4	0.5	29.66	69.13	3.87	11.53	0.3	23.68	49.1	8.89	21.56	2.2
30-04-2022	29	74.2	10.8	62	3.3	58.49	95.5	5.19	4.26	0.2	42.81	90.16	2.53	19.86	0.54	15.11	60	9.15	16.42	2

Analysed to PC communication problem.

Month	Day	Nigh
Apr-22	Time	t
	64	64
Standards	< 75	< 70

Prepared By

 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 : May, 2022

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	
01-05-2022	22.28	54.68	10.4	38.26	2.6	48.99	98.74	2.58	9.47	0.33	28.65	75.83	2.67	11.86	0.33	20.39	37.18	9.35	###	2.20	
02-05-2022	17.28	60.79	10.3	32.33	2.63	49.58	65.96	4.75	7.57	0.44	29.97	80.14	2.21	11.91	0.29	22.59	34.12	9.64	###	2.21	
03-05-2022	20.55	67.62	10.29	25.99	2.31	42.36	99.36	5.11	11.45	0.46	33.58	74.6	2.31	10.49	0.31	19.89	55.09	9.81	###	2.15	
04-05-2022	22.18	78.01	10.39	35.41	2.28	49.58	98.58	4.63	14.61	0.49	39.91	95.36	2.42	13.52	0.36	11.72	54.16	9.67	###	1.70	
05-05-2022	18.1	63.55	10.43	29.76	2.18	35.46	97.66	18.53	4.5	0.64	44.32	99.36	3.15	15.01	0.36	13.24	37.46	9.58	###	1.75	
06-05-2022	24.37	92.59	10.42	24.95	2.18	18.76	94.36	57.42	0	1.65	48.77	99.36	2.71	18.02	0.29	14.88	46.27	9.53	###	1.78	
07-05-2022	35.51	97.2	10.6	34.38	2.28						47.36	97.25	2.09	35.89	0.52	13.24	7.80	9.36	###	1.84	
08-05-2022	26.41	90.4	10.38	32.38	2.29						49.58	95.36	1.91	30.22	0.47						
09-05-2022	24.98	80.86	10.46	24.31	2.33						39.83	84.73	2.45	17.93	0.24						
10-05-2022	20.82	73.44	10.49	20.41	2.29						37.09	84.25	2.14	17.39	0.25						
11-05-2022	24.42	93.28	10.54	46.91	2.86						48.54	85.33	2.52	23.18	0.28						
12-05-2022	17.36	86.61	10.57	41.61	2.77						48.22	89.36	1.59	19.85	0.63						
13-05-2022	21	98	11.26	51.64	3.69						48.33	89.44	2.43	20.5	0.4						
14-05-2022	25.57	99.22	10.84	41.31	2.94						49.21	91.366	2.34	18.42	0.31						
15-05-2022	21.47	84.02	9.89	27.44	2.42						48.91	99.21	2.5	15.24	0.21						
16-05-2022	19.08	72.7	10.94	18.82	2.23						44.55	99.66	2.14	16.33	0.14						
17-05-2022	27.3	92.36	10.95	25.96	2.29						42.36	89.69	2.47	18.81	0.29						
18-05-2022	35.27	99.33	11.03	23.76	2.31						49.36	92.36	2.12	17.95	0.33						
19-05-2022	36.2	98.36	11.04	30.72	2.28						45.33	93.33	2.18	21.63	0.28						
20-05-2022	30.98	97.67	11.32	48.55	3.44						49.25	93.88	2.94	14.23	0.21						
21-05-2022	25.36	99.58	11.25	38.2	3.28						49.77	95.48	2.25	21.2	0.44						
22-05-2022	22.19	93.04	11.21	44.67	3.74						41.25	96.74	2.12	18.23	0.37						
23-05-2022	19.08	80.23	11.6	46.53	2.74						49.25	91.25	3.37	20.9	0.43						
24-05-2022	24.03	91.97	11.2	51.88	1.24						45.82	92.33	2.31	18.44	0.27						
25-05-2022	25.14	64.77	10.84	36.73	0.6						38.59	80.64	2.24	26.02	0.34						
26-05-2022	48.01	87.38	11.24	30.98	0.44						48.37	96.77	1.95	24.01	0.25						
27-05-2022	48.94	95.69	10.95	56.44	0.67						39.64	88.19	2.97	18.16	0.18						
28-05-2022	38.44	97.81	10.55	44.41	0.67						33.84	82.41	2.42	17.26	0.2						
29-05-2022	42.44	98.88	11.11	46.05	0.41						33.64	78.71	1.13	19.43	0.24						
30-05-2022	40.26	99.82	10.73	32.17	0.4						36.93	79.72	1.48	16.42	0.27						
31-05-2022	38.17	91.6	10.8	29.99	0.2						42.58	97.13	2.23	14.58	0.22						
May-22	66	65																			
Standards	< 75	< 70																			

Analysed by PC communication problem.

Internet Problem

Internet Problem

(Signature)
Dr. Anand Rai
 Vice President (HOD-Environment)

(Signature)
P. P. Nanduskar
 Manager (Environment)

JSW STEEL LIMITED
 GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIGAD.
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : June, 2022

Location Date	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
01-06-2022	38.64	89.18	10.35	29.49	0.19	16.59	16.62	5.1	5.92	0.39	36.41	79.4	2.27	13.95	0.16	41.49	79.93	5.95	29.83	1.96
02-06-2022	38.06	90.58	10.75	28.36	0.21	16.6	16.65	4.48	9.47	0.29	39.39	84.63	1.86	13.81	0.18	13.73	46.49	5.88	28.46	1.94
03-06-2022	36.75	83.11	10.97	22.96	0.21	16.57	16.62	7.3	8.34	0.3	45.33	93.65	2.13	14.24	0.23	30.21	82.45	5.94	30.93	1.95
04-06-2022	31.31	88.6	11.1	20.84	0.12	16.59	16.66	6.76	9.52	0.36	37.94	80.06	1.91	17.91	0.17	23.45	84.5	5.94	32.47	2.04
05-06-2022	29.12	87.57	10.65	22.87	0.22	16.58	16.63	5.0	29.47	0.38	41.69	68.75	3.36	16.5	0.25	14.04	52.35	5.85	32.67	1.99
06-06-2022	29.04	86.4	11.16	29.05	0.4	16.58	16.65	4.93	13.52	0.42	33.83	79.36	2.35	15.49	0.12	14.27	63.67	5.81	33.82	2.07
07-06-2022	26.95	86.34	11.13	38.18	0.3	16.57	16.66	5.09	10.89	0.47	30.37	73.63	3.61	21.89	0.25	12.63	63.91	5.90	32.62	2.04
08-06-2022	24.42	84.25	11.45	27.89	0.28	16.57	16.6	4.78	8.72	0.4	21.97	49.08	2.48	14.86	0.26	11.04	51.85	5.81	30.49	2.10
09-06-2022	23.38	87.56	11.66	34.76	1.29	16.6	16.63	4.35	10.85	0.38	23.55	53.34	1.99	17.37	0.25	14.90	75.66	5.82	31.82	2.16
10-06-2022	21.12	88.94	11.58	27.09	0.78	16.59	16.6	3.17	10.8	0.47	19.88	57.87	2.64	15.66	0.42	34.08	88.35	6.02	37.08	2.61
11-06-2022	10.96	62.45	11.36	16.31	0.05	16.55	17.1	4.56	12.5	0.89	14.63	34.26	2.3	14.38	0.76	40.40	87.54	6.28	39.17	2.98
12-06-2022	17.05	90.88	11.5	19.85	0.61	16.55	18.64	3.84	11.38	0.67	27.74	56.26	2.65	19.55	0.6	22.97	80.92	6.39	21.02	2.96
13-06-2022	36.59	81.19	11.43	25.6	0.75	16.6	16.61	9.66	9.75	1.4	27.57	69.19	3.51	18.82	0.71	30.05	84.01	6.64	19.57	2.95
14-06-2022	32.19	86.6	11.52	24.35	0.35	16.61	16.68	0.46	8.94	0.32	30.6	76.25	2.22	17.07	0.33	35.58	83.26	6.74	19.89	2.94
15-06-2022	30.48	85.13	11.66	25.77	0.28	16.46	16.62	4.28	2.33	0.25	29.75	73.93	2.58	19.23	0.24	28.56	80.89	7.02	16.30	2.95
16-06-2022	25.91	82.45	11.68	33.8	1.01	16.56	16.63	5.93	5.68	0.4	23.01	50.53	3.48	19.49	0.35	24.71	85.24	7.23	24.41	2.97
17-06-2022	24.8	82.65	11.37	28.66	0.66	16.5	16.6	5.6	8.2	0.38	35.84	68.83	2.71	22.53	0.56	27.51	86.01	7.77	26.79	2.99
18-06-2022	20.43	97.32	11.88	23.61	0.29	16.57	16.44	5.33	7.78	0.36	21.43	40.35	2.64	16.84	0.39	27.53	81.11	7.83	33.35	3.00
19-06-2022	17.56	81.9	11.9	19.37	0.25	16.4	16.61	5.21	9.42	0.39	19.3	36.04	3.0	17.18	0.52	25.63	84.95	8.14	28.44	3.00
20-06-2022	30.56	64.42	11.83	24.64	0.29	16.58	16.61	4.78	17.4	0.42	23.85	30.34	4.95	5.86	0.64	22.58	84.03	8.45	32.86	3.00
21-06-2022	13.79	52.94	11.48	18.27	0.07	16.4	16.59	4.5	8.5	0.41	2.73	17.13	7.75	0.62	0.56	58.53	88.66	9.08	52.61	3.00
22-06-2022	18.92	91.22	11.83	21.08	0.38	15.75	16.55	4.64	9.31	0.25	9.01	39.71	2.17	4.5	0.42	17.09	77.8	8.97	38.73	2.71
23-06-2022	16.8	61.74	11.9	20.27	0.42	15.96	16.6	2.0	6.95	0.22	11.62	27.03	2.28	9.14	0.3	16.75	82.77	9.3	35.13	2.85
24-06-2022	13.44	56.64	11.88	20.67	0.29	16.6	16.62	0.72	4.59	0.19	11.99	26.37	2.62	12.6	0.22	17.1	80.62	9.76	37.09	2.99
25-06-2022	14.2	69.51	11.91	14.22	0.3	15.67	16.64	0.86	7.13	0.2	33.27	33.4	1.98	8.77	0.09	25.15	85.03	9.37	43.05	3.00
26-06-2022	13.78	80.7	12.01	11.3	0.31	14.89	16.65	1.58	10.3	0.16	18.11	26.74	3.85	8.3	0.16	25.81	76.15	9.49	41.13	2.99
27-06-2022	14.88	65.39	11.91	19.6	0.39	12.38	16.65	1.62	6.17	0.18	54.85	78.94	2.5	14.98	0.83	41.33	77.44	9.69	42.87	2.67
28-06-2022	16.64	57.59	11.8	24.41	0.61	16.54	16.67	1.8	5.07	0.22	30.48	35.26	2.24	14.86	0.42	14.86	80.8	10.8	39.51	2.97
29-06-2022	16.53	60.4	11.71	28.8	0.64	14.23	16.63	1.54	8.77	0.43	37.42	37.91	2.92	15.38	0.28	17.76	81.14	12.1	48.22	2.89
30-06-2022	6.49	9.39	11.46	10.84	0.37	15.64	16.66	1.48	7.97	0.4	30.58	45.67	2.89	15.67	0.87	36.9	86.23	16.4	46.98	3.00

Analyser to PC communication problem.


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


 Prepared By
 P. P. Nandusekar
 Manager (Environment)

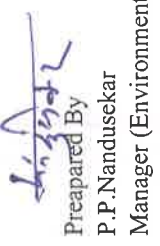
Month	Day	Night
Jun-22	66	65
Standards	< 75	< 70

JSW STEEL LIMITED
 GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIGAD.
AMBIENT AIR QUALITY MONITORING REPORT
MONTH : July, 2022

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
01-07-2022	12.17	92.63	14.07	41.79	2.94	NA	16.64	1.68	4.91	0.26	14.31	42.69	11.71	27.27	0.59	12.89	10.78	0	0	2.77
02-07-2022	11.1	86.54	13.91	20.97	2.44	NA	16.68	1.45	3.93	0.17	45.98	96.03	12.61	46.92	2.63	30.84	87.74	2.34	0	0.94
03-07-2022	7.3	91.44	13.07	19.09	2.38	NA	16.64	0.81	3.57	0.12	29.34	97.49	12.34	36.59	2.43	84.89	96.96	2.35	4.67	1.11
04-07-2022	10.52	99.77	13.06	24.49	2.67	NA	16.64	1.07	5.26	0.17	24.1	88.55	12.26	31.21	1.05	54.74	83.92	2.52	6.13	0.51
05-07-2022	10.1	96.28	13.01	33.64	2.87	NA	16.65	1.42	5.07	0.21	15.09	43.31	12.12	29	0.94	24.88	51.88	0.14	2.26	0.95
06-07-2022	6.5	72.58	13.24	23.98	2.44	NA	16.68	1.19	4.33	0.14	33.31	96.29	12.56	43.66	1.61	44.84	96.89	8.67	NA	1.96
07-07-2022	7.24	83.74	12.86	24.5	2.43	NA	16.64	1.45	11.08	0.29	31.74	96.96	12.71	43.94	1.86	40.46	79.58	2.56	NA	0.83
08-07-2022	8.06	39.2	12.39	22.58	2.41	NA	16.67	1.73	6.36	0.14	59.18	92.24	13.17	58.03	1.42	43.51	77.92	0.39	NA	0.14
09-07-2022	8.02	21.58	12.1	20.81	2.37	NA	16.6	1.36	8.55	0.1	58.07	98.96	13.59	68.65	1.97	35.02	60.48	8.78	NA	0.67
10-07-2022	8.22	23.33	11.11	20.13	2.35	NA	16.64	0.96	6.74	0.13	53.47	99.35	13.82	59.37	1.96	37.76	67.69	4.88	NA	0.2
11-07-2022	6.48	23.2	11.14	19.85	2.36	NA	16.65	0.82	6.74	0.16	58.82	97.97	12.69	53.68	1.07	28.07	24.98	4.83	NA	0.13
12-07-2022	7.56	63.96	11.18	23.95	2.51	NA	16.62	0.55	10.03	0.43	38.98	95.9	12.4	40.49	1.11	29.52	49.55	4.17	NA	0.22
13-07-2022	6.17	18.21	10.8	20.28	2.34	NA	16.65	0.57	5.51	0.08	50.82	91.45	13.54	64.64	2.7	28.37	44.47	4.34	NA	0.29
14-07-2022	7	18.14	10.81	20.12	2.35	NA	16.64	0.84	5.36	0.12	56.49	96.03	12.44	69.92	2.53	46.88	15.13	4	NA	0.8
15-07-2022	6.54	43.25	10.39	19.97	2.36	3.74	8.79	10.32	3.4	0.9	44.07	91.05	12.52	53.41	2.29	51.72	93.91	2.9	23.26	2.06
16-07-2022	7.94	49.94	9.84	21.09	2.42	16.58	16.65	5.51	6.03	0.48	50.96	90.86	12.41	51.46	2.85	78.16	92.91	2.25	49.86	2.1
17-07-2022	8.45	40.19	9.77	21.14	2.39	16.63	16.67	8.03	6.25	0.65	40.61	96.45	12.54	41.05	3.59	62.35	94.86	1.87	21.26	0.75
18-07-2022	7.28	25.22	9.54	21.06	2.37	16.61	16.6	6.41	6.28	0.65	40.77	94.54	12.57	31.42	2.24	49.6	87.52	3.24	13.66	0.52
19-07-2022	7.55	27.15	9.34	21.86	2.38	16.58	16.64	1.7	7.55	0.67	39.81	94.21	12.74	40.28	1.97	48.17	89.34	1.21	10.06	0.34
20-07-2022	7.18	33.35	9.21	22.9	2.39	16.58	16.66	1.35	6.74	0.62	36.38	93.6	12.53	46.94	1.49	40.81	76.29	3.2	11.79	0.24
21-07-2022	7.63	94.54	8.89	24.41	2.53	16.6	16.64	3.45	8.58	0.65	29.36	96.83	12.46	31.85	1.15	53.08	85.08	2.36	15.17	0.3
22-07-2022	6.86	25.09	8.83	24.04	2.39	16.58	16.66	2.69	9.37	0.74	29.82	91.16	12.54	28.31	0.71	48.21	80.75	1.05	13.03	0.16
23-07-2022	6.23	60.15	8.67	23.77	2.45	16.54	16.64	2.81	8.13	0.67	39.78	90.02	13.29	48.03	1.99	57.65	97.07	1.44	19.32	0.41
24-07-2022	7.78	87.62	8.83	24.49	2.53	16.6	16.67	1.89	6.86	0.67	42.63	98.39	13.47	49.3	2.83	54.01	96.16	2.26	12.59	0.3
25-07-2022	6.55	50.82	8.38	23.31	2.38	16.64	16.64	5.33	6.59	0.69	36.16	94.26	13.02	72.18	2.49	56.85	93.38	1.93	15.57	0.42
26-07-2022	9.88	91.21	8.35	27.79	2.6	16.6	16.64	2.21	15.42	0.71	25.9	92.62	12.63	31.13	0.96	46.28	79.4	0.66	13.03	0.19
27-07-2022	8.74	96.06	8.64	35.52	2.79	16.58	16.66	2.17	15.82	0.81	20.18	82.72	12.31	31.75	0.66	33.77	45.99	2.36	16.28	0.31
28-07-2022	7.55	43.89	8.45	32.69	2.61	16.63	16.67	3.89	15.51	0.84	18.06	76.09	11.63	26.37	0.54	39.49	62.87	1.49	20.11	0.3
29-07-2022	8.13	57.86	8.06	36.83	2.56	16.58	16.63	3.64	20.43	1	21.59	89.57	11.77	18.94	0.54	54.03	87.4	1.46	20.57	0.31
30-07-2022	6.7	36.07	7.68	31.29	2.5	16.61	16.68	4.86	12.25	0.74	17.19	78.47	12.4	19.32	0.53	61.43	94.52	1.35	17.94	0.24
31-07-2022	7.44	40.05	7.53	28.49	2.49	16.58	16.68	7.43	9.94	0.75	NA	NA	NA	NA	NA	81.03	90.85	1.17	20.36	0.2

Analysed to PC communication problem.


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


 Prepared By
 P.P. Nandusekar
 Manager (Environment)

Month	Day	Nigh
Jul-22	66	65
Standards	< 75	< 70

JSW STEEL LIMITED

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH : August, 2022

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	PM2.5	PM10	SO2	NOX	CO	
01-08-2022	8.01	37.68	7.41	29.75	2.5	16.61	16.62	3.43	17.34	0.78	27.09	89.25	11.95	19.81	0.58	42.25	74.6	1.58	17.46	0.25	51.47	75.46	1.65	14.04	0.27	
02-08-2022	6.44	87.35	7.49	36.28	2.5	16.6	16.6	2.49	13.29	0.77	28.13	78.98	12.03	22	0.65	42.20	59.53	1.55	11.12	0.23	31.55	46.02	0.86	12.02	0.17	
03-08-2022						16.61	16.64	1.62	18.75	0.84	19.9	70.92	12.16	19.11	0.61	34.21	54.23	1.29	12.37	0.21	21.56	31.63	1.26	10.47	0.41	
04-08-2022						16.56	16.66	2.12	14.85	0.78	21.06	65.91	12.13	18.53	0.56	21.62	49.04	1.24	14.24	0.55	12.37	27.34	1.65	10.64	0.48	
05-08-2022						16.62	16.63	2.57	11.48	0.77	17.84	53.48	12.15	24.16	0.73											
06-08-2022						16.6	16.68	2.45	13.86	0.67	14.92	41.43	12.14	22.26	0.74											
07-08-2022						16.61	16.62	3.24	12.42	0.7	16.1	58.21	12.6	23.12	1.24											
08-08-2022						16.61	16.58	3.46	11.37	0.84	16.61	56.51	12.87	28.19	1.38											
09-08-2022						16.56	16.65	9.48	6.96	0.71	46.15	80.26	13.71	91.2	3.93											
10-08-2022						16.59	16.66	2	6.79	0.69	36	79.36	13.63	54.65	3.98											
11-08-2022						13.38	19.45	1.73	7.31	0.67	47.32	84.72	13.65	58.85	3.98											
12-08-2022	32.7	80.69	8.32	56.88	2	1.57	45.59	3.12	8.18	0.64	37.49	70.98	13.54	37.53	1.92											
13-08-2022						1.64	36.42	2.71	7.81	0.63	32.92	72.97	13.84	49.99	2.99											
14-08-2022						1.64	56.14	3.23	8.5	0.67	31.93	88.98	13.55	41.28	2.69											
15-08-2022						1.71	55.04	2.91	7.12	0.65	39.84	95.1	14.25	61.92	4.23											
16-08-2022	8.69	21.16	5.2	48.44	0.2	1.65	59.38	2.2	9.36	0.71	31.57	84.37	13.68	35.23	3.1											
17-08-2022	15.6	64.19	6.1	48.65	0.2	1.68	47.94	3.19	10.38	0.69	31.64	93.94	13.66	33.26	2.24											
18-08-2022	15.5	70.95	6.89	49.73	0.3	1.74	51.3	2.28	13.27	0.74	26.73	64.71	13.95	31.38	2.44											
19-08-2022	10.9	46.77	6.51	62.98	0.2	1.83	32.56	2.98	9.4	0.73	31.97	87.09	14.16	38.41	2.99											
20-08-2022	12.6	36.07	7.53	52.72	0.3	1.68	71.1	2.48	13.88	0.74	30.73	86.04	14.01	34.68	2.22											
21-08-2022	9.47	28.95	8.22	54.08	0.3	1.82	72.65	2.71	10.73	0.64	36.4	79.65	14.9	30.285	1.4											
22-08-2022	11.8	1.83	8.63	53.83	0.2	2.14	31.27	1.65	7.98	0.69	41.17	83.56	15.14	96.56	2											
23-08-2022	10.7	25.03	9.17	68.21	0.3	1.93	32.83	1.75	8.91	0.66	33.23	88.47	15.17	63.06	1.31											
24-08-2022	24.6	27.68	9.21	50.66	0.3	1.67	91.32	1.65	11.52	0.66	35.06	93.25	14.67	50.93	3.82											
25-08-2022						1.78	79.54	2.99	14.93	0.68	24.98	68.06	14.08	32.24	1.35											
26-08-2022	25.4	45.58	9.07	14.01	0.3	2.23	84.65	5.59	11.56	0.74	21.77	69.54	14.04	24.18	1.05											
27-08-2022	23.8	77.61	8.69	17.5	0.3	1.13	88	24.89	0.14	0.72	26.99	86.22	14.05	24.97	1.01											
28-08-2022	28.9	73.03	8.49	29.37	1	1.46	80.32	1.21	4.53	0.75	23.44	63.55	14.02	21.25	0.99											
29-08-2022	14.75	75.21	8.42	24.05	0.5	1.77	77.25	0.54	4.5	0.74	21.2	52.9	14.0	19.8	0.9											
30-08-2022	14.86	49.8	8.09	27.25	0.4	1.87	83.68	1.64	4.5	0.79	30.2	77.0	14.4	42.8	1.0											
31-08-2022	15.17	57.55	7.97	27.01	0.4						29.0	63.7	14.1	23.3	1.0											
Month	Day	Night																								
	Time	Time																								
Aug-22	64	63																								
Standards	<75	<70																								

Power Supply Failure

Analysers to PC communication problem.

Local PC Problem

Power Supply Failure

Local PC Problem

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

Prepared By
P. P. Nandusekar
Manager (Environment)

JSW STEEL LIMITED
 GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST. - RAIGAD.
AMBIENT AIR QUALITY MONITORING REPORT


MONTH : September, 2022


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		PM2.5	PM10	SO2	NOX	CO	
01-09-2022	13.82	39.48	7.98	21.96	0.38		42.15	91.27	4.78	4.71	0.72		52.13	14.07	19.12	0.84		26.28	45.21	1.54	13.57	0.29		26.28	45.21	1.54	13.57	0.29		
02-09-2022	20.82	59.24	7.64	29.09	0.84		34.98	69.16	5.94	4.5	0.88		45.65	14.21	21.92	0.93		34.53	76.14	0.85	21.94	0.6		34.53	76.14	0.85	21.94	0.6		
03-09-2022	15.34	59.27	7.54	26.83	0.78		31.87	66.04	3.9	4.53	0.79		76.77	14.19	27.26	2.22		27.76	58.96	1	21.98	0.56		27.76	58.96	1	21.98	0.56		
04-09-2022	16	66.64	7.61	29.35	0.97								20.52	35.09	14.13	16.44	0.77		22.14	38.81	2.4	12.99	0.28		22.14	38.81	2.4	12.99	0.28	
05-09-2022	15.94	99.42	7.59	25.5	0.38								19.77	36.16	14.27	18.17	0.78		29.08	53.68	0.92	14.69	0.23		29.08	53.68	0.92	14.69	0.23	
06-09-2022	11.43	59.55	7.33	26.33	0.35								17.76	40.74	14.35	26.59	0.82		25.23	54.53	1.98	28.77	0.26		25.23	54.53	1.98	28.77	0.26	
07-09-2022	15.95	67.45	7.11	32.68	0.45		42.86	75.72	2.68	4.66	1.24		26.7	61.64	14.51	50.9	0.89		47.84	59.5	1.3	38.17	0.39		47.84	59.5	1.3	38.17	0.39	
08-09-2022	13.85	35.94	7.46	25.8	0.48		34.06	90.83	2.13	4.59	1.25		39.75	14.3	38.5	1.28														
09-09-2022	12.99	51.01	7.42	26.35	0.52		32.54	94.23	3.66	4.5	0.98		42.6	14.1	26.89	1.7														
10-09-2022	16.53	51.03	7.31	29.29	1.03		20.02	89.81	2.07	4.5	0.85		12.19	27.76	13.96	18.47	1		10.41	53.34	0.75	13.34	0.51		10.41	53.34	0.75	13.34	0.51	
11-09-2022	13.95	14.69	7.2	29.94	0.89		12.28	82.3	2.36	4.54	0.9		40.26	14.15	29.77	1.22		7.26	30.52	0.92	16.63	0.39		7.26	30.52	0.92	16.63	0.39		
12-09-2022	28.89	55.38	7.06	38.53	1.52		37.26	93.08	3.2	4.53	0.82		66.25	14.16	24.23	1.07		36.44	47.91	1.05	23.17	0.82		36.44	47.91	1.05	23.17	0.82		
13-09-2022	17.3	25.57	7.5	32.31	1.15		25.5	92.72	2.89	4.5	0.84		20.17	48.42	14.21	37.09	2.6		29.3	47.54	2.22	14.15	0.63		29.3	47.54	2.22	14.15	0.63	
14-09-2022	12.11	48.64	7.61	44.3	0.42		3.54	64.96	2.39	4.53	0.73		26.12	67.55	14.16	33.39	2.94		16.11	69.03	2.04	17.73	0.52		16.11	69.03	2.04	17.73	0.52	
15-09-2022	8.11	29.76	7.49	41.89	0.35		3.32	29.56	2.57	8.56	0.74		39.05	90.24	14.45	48.66	4.41		42.73	79.11	1.63	30.91	2		42.73	79.11	1.63	30.91	2	
16-09-2022	10.01	13.76	7.46	44.81	0.55		4.49	64.86	2.68	10.54	0.73		39.94	89.27	14.73	47.25	3.56		47.72	81.6	3.14	59.43	2.26		47.72	81.6	3.14	59.43	2.26	
17-09-2022	17.48	29.73	7.18	46.44	1.87		20.92	96.44	2.95	9.2	0.8		22.02	49.1	14.32	30.53	1.44		11.35	79.67	2.14	18.23	0.48		11.35	79.67	2.14	18.23	0.48	
18-09-2022	11.43	23.43	7.19	46.99	1.14		7.01	74.04	2.42	14.45	0.77		22.56	42.49	14.06	30.6	1.73		17.5	61.34	2.51	26.93	1.02		17.5	61.34	2.51	26.93	1.02	
19-09-2022	16.94	42.13	7.54	57.6	1.4		15.4	97.75	2.7	33.06	0.91		17.61	30.44	14.02	20.73	0.95		3.59	38.91	2.58	10.57	0.21		3.59	38.91	2.58	10.57	0.21	
20-09-2022	16.4	52.24	7.8	69.35	1.62		36.23	97.94	3.15	22.77	0.94		20.44	40.24	14.16	23.02	1.09		17.08	72.59	1.85	23.52	0.94		17.08	72.59	1.85	23.52	0.94	
21-09-2022	13.73	31.37	7.5	57.72	1.41		32.27	90.56	2.01	33.26	0.82		20.51	42.72	14.07	21.41	0.96		12.82	50.89	1.69	17.33	0.31		12.82	50.89	1.69	17.33	0.31	
22-09-2022	17	54.53	7.44	65.98	1.61		23.11	78.97	2.68	19.23	0.89		23.38	67.2	14.17	24.81	1.42		10.25	74.42	1.87	18.58	0.3		10.25	74.42	1.87	18.58	0.3	
23-09-2022	15.35	53.6	7.65	68.83	1.9		32.47	82.4	3.02	21.36	0.95		24.14	78.65	14.23	19.35	0.92		8	69.05	2.17	16.9	0.41		8	69.05	2.17	16.9	0.41	
24-09-2022	13.68	55.23	8.11	71.61	1.99		51.57	87.79	3.27	14.86	0.83		17.73	54.11	14.4	20.47	1.28		10.95	61.59	2.19	15.91	0.47		10.95	61.59	2.19	15.91	0.47	
25-09-2022	17.9	55.86	8.54	64.24	1.3		43.63	95.45	2.67	14.31	0.73		28.04	68.35	14.53	22.63	1.4		8.48	45.81	2.13	13.19	0.26		8.48	45.81	2.13	13.19	0.26	
26-09-2022	31.9	37.63	8.21	61.29	1.17		29.68	94.04	1.58	10.69	0.71		20.16	64.25	14.45	21.88	1.09		18.73	75.57	1.17	21.13	0.28		18.73	75.57	1.17	21.13	0.28	
27-09-2022	7.22	15.73	7.85	54.36	0.54		9.3	63.05	3.77	13.39	0.81		26.78	85.93	14.25	26.51	0.94		19.27	74.95	0.19	31.71	0.34		19.27	74.95	0.19	31.71	0.34	
28-09-2022	13.85	26.32	7.78	53.83	0.56		9.09	66.56	2.95	16.78	0.87		29.56	69.16	14.67	34.2	1.09		13.82	73.23	1.24	28.02	0.29		13.82	73.23	1.24	28.02	0.29	
29-09-2022	9.8	21.54	7.6	55.62	0.55		8.98	65.69	3.24	14.22	0.83		30.96	67.9	14.71	24.38	1.02		6.42	74.34	0.97	26.32	0.32		6.42	74.34	0.97	26.32	0.32	
30-09-2022	12.95	26.78	7.54	55.38	0.56		9.34	75.66	3.19	17.54	0.9		38.56	74.04	14.81	25.02	1.02		2.67	78.1	1.07	26.08	0.39		2.67	78.1	1.07	26.08	0.39	

Analysar to PC communication problem.

Communication problem.

Power failure

Prepared By

 P.P. Nandusekar
 Manager (Environment)

Checked By

 Dr. Anand Rai
 Vice President (HOD-Environment)

Month	Day	Nigh	Time	t
Sep-22	66	65	< 75	< 70