



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

Fax : 02143 277533 / 42

November 29, 2024

ARCL/COP-1/ENV/MoEF&CC/2024/26

To

Regional Officer  
Ministry of Environment, Forest and Climate Change  
Regional Office (WCZ), Ground Floor  
East Wing, New Secretariat Building,  
Civil Line, Nagpur-440001

Sub: Submission of 6 monthly EC Compliance report for 1.0 MTPA Coke Oven Plant of M/s. Amba River Coke Ltd. at Geetapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra for the period April to September 2024.

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

Dear Sir,

With reference to above, please find enclosed herewith the 6 monthly EC Compliance report of 1.0 MTPA Coke Oven Plant of M/s. Amba River Coke Ltd. at Geetapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra for the period April to September 2024.

This is for your kind information & record please.

Thanking you,

Yours faithfully,  
For Amba River Coke Limited

Satish Kumar Choudhary  
General Manager (Head – Environment)

**CC:**

- 1) The Director, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh, Lodi Road, New Delhi-110003.
- 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.

Phone : +91 22 4286 1000  
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# **ENVIRONMENTAL CLEARANCE COMPLIANCE STATUS REPORT**

**APRIL TO SEPT 2024**

**AMBA RIVER COKE LTD, DOLVI WORKS**

**Six Monthly Compliance, Status report**

**Compliance status of Specific and General Conditions of Environmental Clearance for Coke Oven Plant (1.0 MTPA) at Geetapuram, Village Dolvi, District Raigad, Maharashtra.**

**EC No - F No J-11011/286/2007-IA-II(I) dated 12/01/2009.**

**ENVIRONMENTAL MANAGEMENT DEPARTMENT**

**JSW STEEL LTD, DOLVI WORKS, TALUKA PEN, RAIGAD-DISTRICT, MAHARASHTRA 402107**

## **Annexure 1**

# **Six Monthly Environmental Monitoring Report for Plants under Amba River Coke Ltd (April to September 2024)**

November 25, 2024

ARCL/ENV/MoEF &amp; 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 April, 2024 to September 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 April, 2024 to September 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

  
Satish Kumar Choudhary  
General Manager(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.

# AMBIENT AIR QUALITY(AAQ):


Location	Near Kasumata Temple					Near Coke Oven Plant					Near Gas 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
01-04-2024	14	38	6.04	10.08	0.83	31	88	6.54	34.25	0.87	18	17	5.47	28.74	0.52	31	73	5.53	9.63	0.21	46	93	5.65	18.5	0.66
02-04-2024	11	21	6.13	8.12	0.71	28	85	6.24	22.64	0.7	17	18	5.59	30.72	0.57	19	56	4.65	9.79	0.36	54	79	5.05	19.02	0.6
03-04-2024	11	15	6.2	6.93	0.73	26	62	6	17.1	0.71	45	90	5.73	21.99	0.68	16	58	5.22	9.47	0.48	59	85	5.11	14.32	0.6
04-04-2024	19	29	6.22	8.95	0.77	23	91	6.06	24.16	0.59	48	88	5.53	30.25	0.62	19	57	4.83	9.9	1.21	42	92	5.37	15.07	0.59
05-04-2024	11	25	6.15	9.26	0.76	35	86	6.02	33.75	0.95	41	82	5.88	24.5	0.46	21	73	4.66	9.84	0.57	39	91	5.31	14.26	0.59
06-04-2024	46	95	6.13	9.27	0.85	42	87	5.98	29.99	0.82	56	83	6.00	25.47	0.49	29	93	5.38	9.91	0.89	29	87	5.32	16.18	0.58
07-04-2024	58	93	6.13	9.35	0.87	47	81	5.99	29.2	0.73	34	74	5.92	23.17	0.39	26	78	4.82	9.7	1.02	24	60	5.25	15.98	0.62
08-04-2024	33	90	6.21	8.45	0.82	29	81	5.96	21.96	0.83	31	86	6.29	24.36	0.45	20	64	4.94	9.57	0.86	34	88	5.26	15.81	0.58
09-04-2024	26	58	6.22	7.69	0.77	25	76	6.05	21.42	0.82	35	81	5.72	16.37	0.52	18	47	5.19	9.63	0.74	41	73	5.15	12.37	0.54
10-04-2024	21	44	6.05	7.63	0.7	17	62	6.1	13.71	0.6	26	67	5.34	13.3	0.46	18	53	5.54	10.66	1.68	35	58	5.59	19.15	0.46
11-04-2024	18	35	5.98	8.12	0.95	19	57	6.06	18.36	0.81	26	67	5.84	17.96	0.7	18	46	5.24	9.71	1.23	35	73	7.37	63.42	0.6
12-04-2024	17	34	6.04	7.01	0.72	14	45	5.76	19.62	0.57	30	72	5.18	19.96	0.71	42	61	5.9	10.28	0.97	37	60	7.71	70.06	0.71
13-04-2024	19	41	6.03	7.73	0.74	21	72	5.53	21.93	0.53	31	75	5.62	30.08	0.66	11	47	4.67	10.14	1.14	35	59	7.33	67.71	0.62
14-04-2024	25	63	6.11	7.95	0.77	54	95	6.28	23.45	0.49	23	54	5.14	15.68	0.5	20	48	4.91	10.61	1.21	23	52	7.68	61.52	0.55
15-04-2024	43	87	6.16	14.12	0.92	59	99	6.44	26.32	0.76	34	77	5.59	15.91	0.83	28	70	5.69	9.93	0.82	39	66	7.78	54.57	0.73
16-04-2024	44	96	6.14	7.51	0.96	55	96	3.13	20.97	0.75	51	93	5.73	25.39	1.59	18	46	5.68	9.18	1.53	58	94	8.01	23.66	0.84
17-04-2024	28	53	6.04	5.32	0.8	42	87	3	10.91	0.53	37	89	5.79	15.81	1.48	19	42	5.65	9.26	1.37	50	84	7.51	18.16	0.85
18-04-2024	26	49	6.23	6.17	0.84	32	50	6.39	12.15	0.62	36	81	6.59	10.48	1.02	16	50	5.37	10.06	1.05	45	85	7.25	17.27	0.59
19-04-2024	33	73	6.43	6.31	1.03	52	85	8.24	14.19	0.68	34	78	6.44	10.11	0.89	15	47	5.28	9.61	1.31	34	78	7.27	17.24	0.61
20-04-2024	33	79	6.24	7.1	0.84	32	81	7.39	13.79	0.64	30	90	6.78	11.23	0.94	15	60	4.98	9.77	1.73	43	98	7.74	20.19	0.58
21-04-2024	31	82	6.2	6.31	0.86	41	93	5.59	29.27	0.94	26	65	6.35	7.29	0.72	17	65	5.09	9.98	1.06	37	89	7.34	18.69	0.68
22-04-2024	30	82	6.29	7.14	0.87	21	99	5.66	31.12	0.87	24	56	5.96	11.22	0.71	40	76	5.54	10.24	0.57	25	66	7.77	21.68	0.6
23-04-2024	36	94	6.3	7.79	0.87	10	76	6.07	26.82	0.78	25	69	6.09	13.12	0.72	33	60	4.87	10.05	0.92	22	83	7.72	18.97	0.57
24-04-2024	34	84	6.32	7.12	0.88	11	83	6.26	20.87	0.77	33	86	6.76	17.31	0.76	21	57	4.75	10.39	1.29	39	98	7.2	21.97	0.66
25-04-2024	29	67	6.35	5.9	0.86	31	72	5.95	17.82	0.79	31	92	6.94	13.08	0.76	18	55	4.62	10.53	1.24	41	95	7.57	18.04	0.57
26-04-2024	40	68	7.81	10.49	0.97	39	97	9.51	30.39	0.86	28	74	6.01	19.22	0.8	23	62	4.46	13.91	1.79	29	77	7.64	22.37	0.6
27-04-2024	31	70	7.21	8.69	1.11	39	90	5.91	19.1	0.86	35	90	5.61	11.02	0.79	29	83	4.5	9.78	1.24	45	90	7.93	19.36	0.55
28-04-2024	50	85	7.12	9.01	1.19	51	87	6.17	26.85	0.8	46	95	5.88	15.44	0.87	37	86	4.65	9.94	1.03	55	94	7.98	21.4	0.66
29-04-2024	41	99	7.11	9.27	1.26	54	91	6.22	39.55	0.79	44	93	5.83	33.15	0.84	35	90	4.52	11.42	0.57	43	96	7.91	24.17	0.62
30-04-2024	45	83	7.17	9.36	1.19	39	96	6.7	34.11	0.88	42	98	5.81	31.93	0.85	34	94	4.63	11.15	1.05	42	95	7.57	22.37	0.6
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.Nandusekar  
 Manager (Environment)

  
 Checked By  
 Satish Kumar Choudhary  
 General Manager (Environment)

# AMBIENT AIR QUALITY(AAQ):

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
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-05-2024	29	70	7.18	6.65	1	29	71	5.73	20.91	0.59	19	69	5.18	16.48	0.78	22	68	4.58	12.27	1.97	36	77	7.51	20.67	0.52
02-05-2024	40	91	8.27	7.27	1.98	31	95	7.38	22.69	0.82	31	90	4.98	18.35	0.96	15	48	4.67	11.11	1.16	38	91	7.23	17.18	0.64
03-05-2024	31	74	7.58	8.4	1.05	35	72	4.24	25.34	0.77	29	92	4.83	18.1	0.97	19	58	4.85	11.11	1.42	41	97	7.31	18.53	0.65
04-05-2024	27	63	7.39	6.83	0.98	45	88	6.49	19.34	0.69	24	61	6.03	10.07	0.82	19	62	4.85	11.74	1.18	33	64	7.66	17.87	0.56
05-05-2024	33	85	7.46	6.88	1.05	19	48	5.77	11.35	0.77	23	54	5.73	9.28	0.87	15	50	5.28	12.16	2.05	32	57	7	17.59	0.56
06-05-2024	16	37	7.33	6.1	0.96	14	73	7.08	13.27	0.74	18	50	5.82	8.89	0.72	13	38	4.92	13.24	1.39	26	52	7.58	18.49	0.5
07-05-2024	42	90	7.55	6.94	1.28	19	87	6.16	17.55	0.76	22	72	5.79	15.52	1.09	11	26	4.78	11.41	1.17	16	57	7.44	16.27	0.46
08-05-2024	26	67	7.49	6	0.98	13	59	6.08	13.31	0.71	18	57	5.2	10.98	0.89	13	36	4.81	13.19	1.42	23	58	7.29	14.74	0.44
09-05-2024	16	37	7.26	5.53	0.94	13	33	6.09	11.8	0.67	17	44	5.05	15.64	0.74	20	36	4.88	9.94	1.14	27	45	7.78	15.99	0.51
10-05-2024	17	42	7.16	5.29	0.97	11	33	6.36	11.76	0.61	17	44	5.48	16.21	0.69	22	71	5.18	11.43	1.3	26	47	8.06	15.13	0.46
11-05-2024	28	69	7.22	9.65	1.05	19	80	5.76	16.66	0.62	21	59	5.72	10.7	0.75	23	72	5.29	15.34	2.13	32	81	7.5	17.64	0.52
12-05-2024	19	44	7.25	7.82	1	17	52	6.05	13.56	0.64	21	54	5.73	6.21	0.74	26	66	5.14	10.87	2.09	22	72	7.35	14.86	0.46
13-05-2024	45	88	7.22	9.35	1.36	28	81	6.16	17.53	0.82	27	82	5.32	7.75	0.86	30	79	5.73	9.88	1.46	25	72	7.5	16.84	0.56
14-05-2024	38	96	7.25	9.39	1.4	33	71	5.99	40.62	0.98	43	95	5.52	11.75	1.07	32	85	5.93	10.87	1.67	42	87	8.37	20.28	0.74
15-05-2024	44	69	7.5	9.94	1.55	31	89	6.16	29.16	0.83	39	87	5.64	12.87	1.2	21	47	5.47	9.96	0.97	48	88	8.74	21.43	0.8
16-05-2024	43	88	7.53	16.79	1.31	30	70	6.01	16.08	0.9	29	67	5.55	8.17	0.77	NA	NA	5.06	9.82	1.11	56	77	6.79	17.59	0.61
17-05-2024	21	37	7.75	14.71	1.64	27	88	6.4	23.41	1.09	32	76	6.08	10.56	1.02	39	82	5.13	9.63	1.06	29	65	7.57	20.31	0.74
18-05-2024	34	74	7.41	11.55	1.05	20	62	5.96	12.34	0.68	26	62	6.07	10.01	0.89	36	58	5.29	9.79	0.93	36	61	7.71	15.22	0.5
19-05-2024	56	89	7.31	9.49	1.01	16	49	6.06	7.38	0.62	25	72	6.05	15.35	0.93	47	64	5.65	9.27	0.68	38	68	7.85	14.25	0.51
20-05-2024	54	90	7.62	8.83	1.17	17	92	6.22	9.72	0.66	29	62	6.15	19.71	1.38	21	58	5.34	10.03	0.83	40	74	7.26	15.91	0.64
21-05-2024	20	52	7.26	8.16	0.96	17	66	6.13	11.74	0.63	37	93	6.59	25.69	0.91	28	64	5.2	11.32	0.88	37	68	7.62	14.62	0.45
22-05-2024	33	81	7.64	9.12	0.78	20	86	6.01	12.09	0.57	34	80	6.2	16.15	1.13	46	66	5.47	10.1	0.8	38	72	7.29	14.36	0.48
23-05-2024	22	53	8.41	8.77	0.43	13	84	5.93	10.29	0.46	30	74	6.28	13.84	0.99	21	66	5.31	10.36	0.86	42	89	6.77	14.85	0.45
24-05-2024	37	90	8.59	7.74	0.47	14	81	6.04	10.05	0.59	27	71	6.47	12.94	0.82	20	70	5.42	10.63	0.91	38	77	5.96	14.75	0.43
25-05-2024	50	70	8.48	7.18	0.34	15	88	6.15	8.49	0.67	30	68	6.2	16.1	0.88	19	67	7.14	12.06	1.22	35	88	6.95	14.18	0.42
26-05-2024	16	29	8.46	6.66	0.33	10	27	5.83	7.71	0.48	31	77	6.49	14.13	0.98	20	86	8.78	10.59	1.17	20	86	7.48	12.43	0.41
27-05-2024	20	50	8.43	6.39	0.34	15	34	6.09	6.94	0.57	41	85	7.44	24.06	1.43	12	46	8.19	19.85	0.78	51	83	6.8	13.58	0.45
28-05-2024	15	34	8.53	6.3	0.31	20	40	5.93	7.29	0.52	42	91	7.42	17.69	1.17	15	66	5.79	11.45	1.27	54	89	7.12	13.82	0.46
29-05-2024	31	89	8.77	6.65	0.49	48	90	5.98	7.15	0.54	41	94	7.08	17.65	1.53	13	50	5.86	10.12	0.84	49	95	7.27	14.59	0.46
30-05-2024	56	75	7.63	8.98	0.8	56	79	6.09	8.35	0.62	30	75	6.65	16.75	0.88	21	94	5.8	10.35	1.07	47	97	6.5	13.91	0.45
31-05-2024	23	63	5.91	9.75	0.64	56	64	6.05	9.15	0.66	25	64	6.34	11.84	0.73	19	78	6.41	11.33	1.68	15	62	7.77	14.7	0.41
Max (µg/m3)	56	96	9	17	2	56	95	7	41	1	43	95	7	26	1.53	47	94	9	20	2	56	97	9	21	1
Min (µg/m3)	15	29	6	5	0	10	27	4	7	0	17	44	5	6	0.69	11	26	5	9	1	15	45	6	12	0
98%tile(µg/m3)	56	93	9	16	2	56	93	7	34	1	42	94	7	25	1.47	46	89	8	17	2	55	97	9	21	1
Standards	60	100	80	80	2	60	100	80	80	2	60	100	80	80	2	60	100	80	80	2	60	100	80	80	2

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


  
 Checked By  
 Satish Kumar Choudhary  
 General Manager (Environment)




# AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village <sup>1</sup>				
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
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-06-2024	12	29	5.72	8.75	0.46	27	45	6.19	20.62	0.68	19	53	6.52	12.07	0.82	17	59	6.52	10.44	1.58	20	86	6.55	13.87	0.44
02-06-2024	28	35	5.83	8.66	0.54	44	99	6.11	19.14	0.67	21	53	7.04	11.04	0.71	18	70	6.21	50.38	1.43	19	59	6.93	12.78	0.41
03-06-2024	39	38	6.23	12.87	1.24	59	65	6.13	16.33	0.76	26	57	7.48	12.07	0.77	13	40	6.38	24.53	1.52	28	58	8.04	16.55	0.52
04-06-2024	46	53	6.28	27.08	0.73	44	41	6	24.65	0.73	26	67	7.23	22.08	0.8	28	81	6.54	31.41	1.37	36	80	6.99	20.96	0.47
05-06-2024	27	40	6.39	16.91	1.05	39	89	6	16.81	0.61	25	68	6.88	17.75	2.69	18	65	5.9	32.15	1.04	29	60	7.64	16.28	0.47
06-06-2024	57	50	6.85	18.57	1.61	56	79	5.96	13.23	0.48	25	57	6.89	9.7	0.67	17	66	5.55	16.74	1.05	27	49	7.59	15.4	0.4
07-06-2024	20	51	6.13	13.05	0.5	38	68	6.08	13.15	0.75	30	74	7	13.97	0.67	21	97	5.07	11.93	0.7	37	79	7.64	16.7	0.42
08-06-2024	55	54	6.33	14.37	1.35	44	96	5.98	16.95	1	25	54	7.22	11.36	0.67	19	62	5.41	11.32	1.11	24	51	7.79	16.19	0.44
09-06-2024	57	53	6.54	11.29	1.89	55	64	5.87	12.26	0.82	22	46	7.25	11.75	1.05	15	20	5.51	13.92	0.58	26	40	9.02	14.97	0.6
10-06-2024	20	60	6.33	1.26	0.78	26	43	5.96	9.36	0.83	21	43	6.9	15.14	0.89	11	21	5.9	12.11	0.55	18	34	7.85	14.62	0.46
11-06-2024	42	54	6.51	5.98	1.1	39	89	5.91	9.58	0.81	23	49	6.78	14.73	1.62	11	15	6.29	18.31	0.51	13	43	6.14	15.16	0.52
12-06-2024	48	54	7.03	17.69	1.46	51	74	6.24	14.81	0.58	30	72	7.11	20.91	2.02	13	35	6.6	12.36	0.48	18	44	7.99	15.59	0.54
13-06-2024	NA	44	7.59	19.07	1.75	60	60	6.34	15.9	0.7	12	35	7.06	7.93	0.66	12	19	6.94	12.67	0.58	9	26	7.95	14.6	0.55
14-06-2024	NA	39	7.5	21.08	1.95	49	96	5.11	13.61	0.54	14	30	7.17	9	0.92	12	16	7.25	11.52	0.58	4	22	7.78	13.81	0.44
15-06-2024	58	59	7.1	20.15	2.01	50	59	5.52	14.85	0.53	32	80	8.17	9.35	0.82	14	28	7.5	11.8	0.58	6	26	7.57	13.12	0.46
16-06-2024	49	44	7	16.67	1.69	52	59	6.22	10.48	0.63	38	85	7.69	15.96	1.51	13	20	7.89	10.72	0.62	19	51	8.24	12.9	0.51
17-06-2024	25	88	7.73	18.83	1.59	42	69	6	12.02	0.69	23	61	7.6	13.24	1.07	14	34	8.42	10.6	0.7	39	67	6.28	14.5	0.49
18-06-2024	36	75	7.04	17.16	1.61	34	88	6.09	9.03	0.66	33	94	7.36	15.45	1.24	17	50	8.79	10.36	0.87	43	72	6.88	16.9	0.84
19-06-2024	51	68	6.91	19.67	2.03	42	75	6.13	9.48	0.57	45	75	7.41	15.05	1.36	13	28	9.06	10.41	0.77	46	68	7.38	16.22	0.77
20-06-2024	39	88	8.69	22	1.88	32	81	6.21	7.58	0.58	19	54	7.73	12.57	1.14	15	17	9.81	12.91	0.72	40	57	8.25	15.65	0.74
21-06-2024	40	63	7.84	21.21	1.54	20	92	6.23	6.92	0.74	22	53	7.92	21.25	1.78	6	35	10.45	12.83	0.96	58	96	7.61	17.62	0.88
22-06-2024	56	90	12.6	49.92	0.93	29	79	6.14	8.6	0.85	22	41	7.65	11.42	0.75	NA	30	10.74	12.7	0.96	24	51	8.34	15.17	0.53
23-06-2024	NA	NA	NA	NA	NA	31	57	6.38	8.8	0.5	32	83	7.77	14.49	1.43	NA	54	11.24	12.63	0.86	25	77	7.06	14.44	0.49
24-06-2024	NA	NA	NA	NA	NA	52	95	6.09	9.3	0.6	27	67	7.62	13.13	1.16	NA	64	11.3	13.65	0.86	19	34	7.79	13.15	0.39
25-06-2024	NA	NA	NA	NA	NA	54	75	6.06	11.51	0.63	24	71	7.49	6.75	0.5	NA	83	11.59	11.64	0.88	29	38	6.88	12.62	0.39
26-06-2024	NA	NA	NA	NA	NA	28	68	5.96	11.84	0.61	28	64	7.96	11.35	0.77	NA	21	11.49	12.16	0.89	38	54	6.81	15.7	0.88
27-06-2024	NA	NA	NA	NA	NA	45	43	6.12	10.78	0.51	23	42	7.49	10.02	0.67	NA	NA	NA	NA	NA	25	35	8.29	14.48	1.03
28-06-2024	NA	NA	NA	NA	NA	28	83	6.22	9.76	0.54	22	38	7.24	11.41	0.6	NA	NA	NA	NA	NA	27	50	6.96	15.02	1.07
29-06-2024	NA	NA	NA	NA	NA	47	90	6.12	11.75	0.66	27	59	7.16	14.44	0.73	NA	NA	NA	NA	NA	53	88	8.43	17.4	1.29
30-06-2024	NA	NA	NA	NA	NA	46	55	5.97	9.89	0.6	26	76	7.29	17.94	1.54	NA	NA	NA	NA	NA	43	55	8.04	21.43	1.95
Max (µg/m3)	58	90	13	50	2	60	99	6	25	1	45	94	8	22	2.69	28	97	12	50	2	58	96	9	21	2
Min (µg/m3)	12	29	6	1	0	20	41	5	7	0	12	30	7	7	0.50	6	15	5	10	0	4	22	6	13	0
98%tile(µg/m3)	57	89	11	40	2	59	97	6	22	1	41	88	8	22	2.30	25	90	12	41	2	55	91	9	21	2
Standards	60	100	80	80	2	60	100	80	80	2	60	100	80	80	2	60	100	80	80	2	60	100	80	80	2

Showing NA due to the Aqms station is off because rain water is passing in aqms station


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


Checked By   
 Satish Kumar Choudhary  
 General Manager (Environment)

# AMBIENT AIR QUALITY(AAQ):

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
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-07-2024	NA	NA	6.78	5.00	1.73	17	24	6.48	8.01	0.49	27	79	6.94	14.89	1.2	NA	NA	NA	NA	NA	41	83	8.42	42.69	3.35
02-07-2024	23	90	6.6	16.41	1.27	9	78	6.21	8.84	0.52	41	96	7.66	39.79	2.64	NA	NA	NA	NA	NA	59	80	8.97	56.75	1.36
03-07-2024	22	84	6.8	15.45	1.09	10	32	6.35	10.03	0.48	37	95	7.73	26.99	2.44	NA	NA	NA	NA	NA	53	87	7.51	68.3	2.54
04-07-2024	28	46	6.73	11.57	0.93	12	22	5.79	9.25	0.6	41	84	7.8	34	4.3	NA	NA	NA	NA	NA	41	72	7.78	49.6	1.4
05-07-2024	45	87	7.01	5.69	0.87	11	19	6.29	10.33	0.6	41	76	8.31	30.38	3.15	14	42	10.32	15.06	2.15	50	86	9.36	57.77	2.04
06-07-2024	18	50	7.43	11.89	0.8	7	17	6.11	8.09	0.58	51	78	8.13	43.77	5.31	86	77	11.36	21.79	1.48	32	95	7.75	42.3	1
07-07-2024	40	83	7.85	15.33	0.99	10	19	4.08	9.63	0.62	44	78	8.18	33.58	6.13	13	39	10.54	11.27	2.15	39	70	7.06	32.67	1.13
08-07-2024	32	83	8.53	32.37	2.75	13	80	6.26	11.35	0.85	13	15	7.81	7.93	4.12	20	9	12.43	17.42	2.07	9	10	5.66	16.16	0.41
09-07-2024	NA	NA	NA	NA	NA	17	90	8.14	11.3	0.72	19	24	7.59	8.44	0.67	11	16	11.33	13.03	1.52	14	24	7.06	20.37	0.7
10-07-2024	NA	NA	NA	NA	NA	31	80	6.44	13.54	0.63	24	37	8.05	10.92	0.68	14	39	10.26	11.34	0.95	20	33	10.02	22.11	0.97
11-07-2024	NA	NA	NA	NA	NA	51	87	6.95	10.37	0.73	25	29	8.29	11.84	0.87	12	16	8.41	13.28	0.66	14	22	8.17	21.42	0.64
12-07-2024	NA	NA	NA	NA	NA	27	85	6.45	10.94	0.71	20	25	8.21	22.59	1.29	17	21	9.2	13.65	1.02	17	29	7.11	24.41	0.71
13-07-2024	NA	NA	NA	NA	NA	23	82	7.3	11.55	0.62	26	39	8.65	23.87	1.82	9	25	9.03	13.06	0.78	19	46	7.96	25.15	0.88
14-07-2024	NA	NA	NA	NA	NA	17	67	5.91	12.33	1.03	25	36	8.38	19.22	1.84	33	75	9.34	13.36	1.3	15	36	7.59	22.02	0.74
15-07-2024	NA	NA	NA	NA	NA	14	69	6.62	11.76	0.62	18	21	7.75	16.12	0.87	13	18	9.3	14.98	0.81	15	25	6.64	19.14	0.47
16-07-2024	NA	NA	NA	NA	NA	20	82	8.06	9.64	0.61	17	25	8.27	10.79	0.75	12	22	9.47	13.65	0.69	24	64	13	27.47	1
17-07-2024	NA	NA	NA	NA	NA	18	79	12.7	11.47	0.63	17	29	7.79	11.54	1.16	15	42	9.71	18.97	0.7	16	48	9.33	24.6	0.82
18-07-2024	NA	NA	NA	NA	NA	14	81	7.38	10.11	0.78	17	26	7.82	15.45	1.84	17	47	10.03	19.7	0.92	31	62	7.42	27.77	0.88
19-07-2024	NA	NA	NA	NA	NA	14	50	7.71	8.16	0.81	25	40	8.06	13.03	1.96	22	59	10.14	25.2	1.01	26	86	7.82	31.55	1.19
20-07-2024	NA	NA	NA	NA	NA	13	43	8.05	8.93	0.66	30	49	7.95	18.58	2.85	13	27	10.66	18.22	0.75	55	85	7.91	39.77	1.48
21-07-2024	NA	NA	NA	NA	NA	7	55	8.46	9.77	0.57	33	58	8.34	25.44	3.8	22	61	10.25	16.06	0.79	33	84	7.47	34.65	1.08
22-07-2024	NA	NA	NA	NA	NA	8	31	8.81	7.96	0.57	41	74	8.22	33.03	3.67	27	78	10.48	16.16	0.86	30	84	7.81	43.24	1.1
23-07-2024	NA	NA	NA	NA	NA	16	34	9.09	6.2	0.57	46	76	8.52	43.74	3.3	37	83	10.81	24.47	1.01	21	35	7.89	24.13	0.49
24-07-2024	NA	NA	NA	NA	NA	14	27	9.26	7.07	0.57	44	78	8.77	40.91	4.4	51	88	11.3	22.73	1.75	20	30	6.51	17.63	0.4
25-07-2024	NA	NA	NA	NA	NA	7	84	9.42	8.51	0.55	43	79	8.63	41	3.23	66	85	11.9	24.31	1.77	22	19	7.49	16.4	0.43
26-07-2024	NA	NA	NA	NA	NA	10	20	9.63	8.89	0.46	50	89	8.91	41.73	4.94	56	81	11.87	21.83	0.19	33	69	8.55	19.42	0.38
27-07-2024	NA	NA	NA	NA	NA	11	20	9.87	8.06	0.42	48	92	10.06	49.08	3.96	NA	62	10.02	9.55	2.67	29	64	4.98	21.57	0.41
28-07-2024	NA	NA	NA	NA	NA	9	33	10.2	7.82	0.5	54	90	9.42	45.86	3.63	NA	63	9.84	9.12	2	35	50	6.13	17.48	0.38
29-07-2024	NA	NA	NA	NA	NA	14	41	11	8.61	0.69	45	89	8.94	41.94	4.79	NA	51	10.22	11.52	2.16	39	78	6.89	19.75	0.42
30-07-2024	NA	NA	NA	NA	NA	10	30	11.8	8.43	0.68	44	79	9.31	40.5	4.07	NA	27	10.07	9.54	2.03	27	58	7.7	21.66	0.65
31-07-2024	NA	NA	NA	NA	NA	10	20	12.3	7.57	0.6	42	89	9.57	42.83	1.41	NA	67	9.94	8.74	2.26	29	40	8.4	19.65	0.36
Max (µg/m3)	45	90	9	32	3	51	90	13	14	1	54	96	10	49	6	86	88	12	25	3	59	95	13	68	3
Min (µg/m3)	18	46	7	5	1	7	17	4	6	0	13	15	7	8	1	9	9	8	9	0	9	10	5	16	0
(µg/m3)	30	75	7	14	1	15	51	8	10	1	34	60	8	28	3	26	49	10	16	1	29	57	8	30	1
Standards	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4

Showing NA due to the Aqms station is off because rain water is passing in aqms station

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

  
 Checked By  
 Satish Kumar Choudhary  
 General Manager (Environment)




# AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village-1				
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
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-08-2024	NA	NA	NA	NA	NA	14	17	12.7	8.17	0.48	41	92	9.61	42.46	2.99	NA	45	10.2	10.74	2.09	23	34	5.77	16.35	0.36
02-08-2024	NA	NA	NA	NA	NA	10	12	12.7	8.8	0.44	37	74	9.25	41.28	2.73	NA	48	10.7	20.41	2.09	36	73	5.4	35.65	0.78
03-08-2024	NA	NA	NA	NA	NA	7	15	12.9	7.84	0.47	44	79	9.6	43.63	2.41	NA	23	10.93	13.67	2.04	23	78	4.9	37.88	0.77
04-08-2024	NA	NA	NA	NA	NA	7	20	12.9	8.2	0.56	34	69	9.02	31.6	2.86	NA	25	11.29	16.29	2.08	3	90	7.81	45.34	1.7
05-08-2024	NA	NA	NA	NA	NA	12	16	13.8	9.6	0.49	29	63	8.25	27.7	1.99	NA	24	11.44	13.81	1.09	2	82	6.71	42.93	1.74
06-08-2024	NA	NA	NA	NA	NA	11	39	13.1	10.85	0.46	30	67	8.27	31.29	2.78	NA	31	12.33	14.91	2.16	4	37	8.77	23.73	0.42
07-08-2024	NA	NA	NA	NA	NA	10	74	12.2	11.34	0.52	34	87	9	34.19	0.49	NA	75	11.6	14.78	2.36	30	39	5.68	23.07	0.45
08-08-2024	NA	NA	NA	NA	NA	13	73	12	11.19	0.59	21	49	8.8	16.97	0.27	NA	65	11.77	13.28	2.23	37	55	7.32	26.05	0.44
09-08-2024	NA	NA	NA	NA	NA	7	84	12.4	11.27	0.57	23	60	8.64	14.7	0.35	NA	93	12.04	14.14	1.86	33	73	7.52	26.3	0.58
10-08-2024	NA	NA	NA	NA	NA	8	95	11.9	12.18	0.51	26	65	9.26	21.44	0.94	NA	40	12.24	13.53	0.16	21	43	6.64	24.04	0.47
11-08-2024	NA	NA	NA	NA	NA	26	92	11.4	9.57	0.61	23	63	9.32	24.14	1.07	NA	29	12.1	16.03	0.03	22	49	5.84	24.84	0.51
12-08-2024	NA	NA	NA	NA	NA	23	89	11.1	12.66	0.53	17	44	8.88	17.79	1.04	NA	61	11.88	12.55	0.45	21	46	5.72	20.91	0.55
13-08-2024	NA	NA	NA	NA	NA	9	94	11.4	13.08	0.48	22	60	8.71	11.57	0.57	NA	83	12.35	14.44	0.93	27	70	6.54	21	0.43
14-08-2024	NA	NA	NA	NA	NA	17	58	13	10.26	0.55	18	45	9.1	7.28	0.4	40	84	12.48	12.12	2.55	30	78	6.76	23	0.41
15-08-2024	NA	NA	NA	NA	NA	18	94	11.9	10	0.64	17	47	8.68	7.87	0.39	29	87	11.34	11.22	2.73	31	90	8.19	25.87	0.45
16-08-2024	NA	NA	NA	NA	NA	14	93	11.4	11.8	0.55	20	58	9.72	8.73	0.52	20	56	12.37	14.65	2.03	37	95	8.9	24.1	0.42
17-08-2024	NA	NA	NA	NA	NA	20	86	11.5	11.67	0.59	19	56	9.35	7.95	0.46	31	86	12.99	13.93	1.51	32	79	7.72	24.13	0.45
18-08-2024	NA	NA	NA	NA	NA	17	81	12.7	12.84	0.82	16	37	8.82	7.53	0.71	29	83	13.27	12.83	2.84	24	58	6.09	20.98	0.49
19-08-2024	NA	NA	NA	NA	NA	12	82	11.8	18.26	1.13	19	41	9.9	5.94	0.85	26	76	13.07	12.89	2.22	13	52	6.31	20.75	0.58
20-08-2024	NA	NA	NA	NA	NA	9	68	12.4	17.73	0.87	19	32	8.89	10.45	0.77	13	28	13.23	13.56	1.27	8	39	7.25	20.09	0.54
21-08-2024	NA	NA	NA	NA	NA	15	63	12.8	14.1	0.76	18	37	5.06	7.64	0.59	20	56	11.72	11.55	1.29	19	52	8.09	22.2	0.55
22-08-2024	NA	NA	NA	NA	NA	24	70	11.4	15.67	0.49	19	46	7.43	13.44	0.72	14	36	10.14	10.94	0.96	25	58	6.55	25.75	0.5
23-08-2024	NA	NA	NA	NA	NA	18	78	6.73	16.84	0.52	11	38	6.39	6.53	0.93	8	11	10.71	9.52	0.94	13	38	7.81	20.88	0.58
24-08-2024	NA	NA	NA	NA	NA	5	68	6.77	14.02	0.7	25	58	6.7	15.63	1.09	24	55	10.74	10.62	1.12	2	21	6.54	24.8	0.64
25-08-2024	NA	NA	NA	NA	NA	8	8	7.67	9.29	0.55	43	79	7.07	26.88	1.79	29	68	10.9	22.67	1.21	14	61	6.59	25.61	0.68
26-08-2024	NA	NA	NA	NA	NA	8	9	6.75	9.07	0.51	46	93	7.12	31.98	2.86	13	25	11.22	14.26	0.94	11	40	6.16	19.75	0.44
27-08-2024	NA	NA	NA	NA	NA	8	10	5.25	8.3	0.44	32	70	6.68	19.96	2.24	9	13	10.9	9.94	0.93	45	79	7.49	62.96	1.64
28-08-2024	NA	NA	NA	NA	NA	8	21	6.95	9.33	0.44	27	65	6.71	15.79	1.54	9	17	10.99	10.94	0.94	40	81	7.28	52.57	2.03
29-08-2024	NA	NA	NA	NA	NA	9	76	8.18	11.53	0.49	27	75	6.67	12.98	0.76	32	24	11.12	11.21	0.96	50	82	7.37	59.24	2.26
30-08-2024	NA	NA	NA	NA	NA	11	91	9	12.52	0.56	19	54	6.63	15.91	1.52	14	32	11.21	8.72	1.94	11	36	6.61	28.45	0.91
31-08-2024	NA	NA	NA	NA	NA	22	79	8.92	13.99	0.56	21	54	6.86	18.32	0.68	27	61	11.69	9.35	2.11	21	30	7.02	22.11	0.45
Max (µg/m3)	0	0	0	0	0	26	95	14	18	1	46	93	10	44	3	40	93	13	23	3	50	95	9	63	2
Min (µg/m3)	0	0	0	0	0	5	8	5	8	0	11	32	5	6	0	8	11	10	9	0	2	21	5	16	0
(µg/m3)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	13	60	11	12	1	26	60	8	19	1	21	50	12	13	2	23	59	7	29	1
Standards	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4

Showing NA due to the Aqms station is off because rain water is passing in aqms station




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


Checked By   
Satish Kumar Choudhary  
General Manager (Environment)

# AMBIENT AIR QUALITY(AAQ):

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
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-09-2024	NA	NA	NA	NA	NA	19.32	45.49	7.32	12.27	0.61	20.02	51.24	6.87	12.38	0.48	36.44	68.98	11.56	9.91	2.6	18.22	55.11	8.11	20	0.43
02-09-2024	NA	NA	NA	NA	NA	23.9	87.84	6.8	14.18	0.67	22.05	45.65	6.72	9.99	0.53	32.67	57.16	11.34	9.54	2.3	11.22	33.31	7.55	19.2	0.44
03-09-2024	NA	NA	NA	NA	NA	12.73	77.26	7.15	15.4	0.59	31.16	67.06	7.64	30.81	1.55	37.31	64.44	11.24	9.23	1.83	33.4	40.48	7.78	22.63	0.4
04-09-2024	NA	NA	NA	NA	NA	18.49	92.2	7.25	10.6	0.47	28.72	76.62	7.77	26.81	1.26	34.93	53.3	11.62	11.77	1.78	29.63	47.61	6.4	23.3	0.45
05-09-2024	NA	NA	NA	NA	NA	11.86	27.79	7.41	12.59	0.51	29.86	70.08	7.8	30.23	1.51	59.15	90.05	11.65	11	2.0	15.21	40.83	5.7	19.74	0.37
06-09-2024	NA	NA	NA	NA	NA	5.87	69.33	6.9	12.47	0.68	31.91	79.84	7.95	28.37	1.61	37.93	63.37	10.27	9.92	1.67	20.7	42.52	6.9	21.46	0.41
07-09-2024	NA	NA	NA	NA	NA	0.92	94.87	7.57	15.42	0.64	21.85	54.74	8.02	21.17	1.09	23.31	34.88	9.04	9.19	1.57	34.04	46.55	6.68	19.41	0.56
08-09-2024	NA	NA	NA	NA	NA	2.94	90.03	7.65	14.5	0.51	18.62	46.41	7.97	19.94	1.05	16.23	35.16	8.79	7.6	1.28	21.72	26.77	7.58	17.77	0.45
09-09-2024	NA	NA	NA	NA	NA	13.13	93.81	7.68	14.95	0.59	17.54	38.93	7.4	15.77	0.63	26.43	65.7	9.34	7.93	1.33	14.62	29.43	7.62	18.52	0.43
10-09-2024	NA	NA	NA	NA	NA	14.35	93.4	7.77	13.73	0.51	24.95	52.88	7.05	18.25	1.23	17.82	17.44	9.36	8.04	1.3	9.42	41.26	7.21	22.25	0.5
11-09-2024	NA	NA	NA	NA	NA	17.43	91.26	7.95	12.72	0.43	21.53	47.86	6.88	16.93	1.14	16.78	19.95	11.78	8.11	1.31	25.24	43.38	6.44	20.26	0.53
12-09-2024	NA	NA	NA	NA	NA	35.58	91.59	8.09	14.04	0.43	21.59	59.02	7.15	14.23	1.1	25.26	35.37	11.71	8.54	1.33	40.68	71.62	6.03	20.56	0.64
13-09-2024	NA	NA	NA	NA	NA	18.5	91.31	8.13	13.73	0.48	24.91	60.4	6.54	19.19	1.52	59.73	44.37	12.24	9.03	1.34	37.3	72.37	5.99	21.05	0.49
14-09-2024	NA	NA	NA	NA	NA	22.49	94.87	8.16	16.96	0.53	23.32	61.69	6.74	19.63	1.71	19.67	33.64	13.03	9.24	1.42	48.56	86.83	7.46	28.05	0.55
15-09-2024	NA	NA	NA	NA	NA	17.93	95.09	8.18	16.58	0.82	16.23	32.57	6.65	10.96	0.66	12.14	18.36	11.41	8.45	1.62	28.79	34.99	7.04	22.15	0.66
16-09-2024	NA	NA	NA	NA	NA	16.65	91.64	8.24	15.58	0.62	15.94	28.8	6.75	10.21	0.74	14.65	31.37	9.9	8	1.48	19.22	31.55	7.43	22.39	0.58
17-09-2024	NA	NA	NA	NA	NA	23.54	90.98	8.24	12.35	0.72	18.78	37.87	6.9	10.34	0.52	34.55	75.17	9.64	8.69	2.14	12.02	52.42	8.18	25.46	0.5
18-09-2024	NA	NA	NA	NA	NA	21.54	91.59	10.7	24.63	0.61	24.5	62.15	6.41	14.68	0.75	23.84	50.97	9.75	7.9	1.59	23.24	58.04	7.02	21.78	0.5
19-09-2024	NA	NA	NA	NA	NA	39.99	96.09	12.71	19.74	0.51	23.55	52.82	6.13	9.83	0.67	21.97	51.7	9.81	7.86	1.57	29.89	62.99	6.47	22.71	0.45
20-09-2024	NA	NA	NA	NA	NA	44.84	90.96	11.02	17.58	0.59	21.3	48.68	5.76	9.47	0.57	35.33	82.66	10.14	7.95	1.86	41.47	66.81	7.8	25.1	0.48
21-09-2024	NA	NA	NA	NA	NA	26.83	96.29	13.06	15.3	0.58	20.63	46.23	6.49	11.81	0.56	39.28	92.45	10.04	9.36	2.34	14.85	69.75	7.47	28.99	0.49
22-09-2024	NA	NA	NA	NA	NA	28.38	94.51	13.28	17.28	0.62	21.54	51.09	6.46	10.92	0.57	48.66	95.18	10.27	8.98	2.99	21.62	78.38	7.17	26.59	0.47
23-09-2024	NA	NA	NA	NA	NA	18.51	47.3	13.49	20.55	0.47	28.57	55.2	6.3	8.49	0.57	51.5	92.09	10.43	9.32	3.05	43.86	93.4	6.8	22.37	0.46
24-09-2024	NA	NA	NA	NA	NA	23.81	88.13	13.33	17.18	0.95	18.84	26.01	6.73	7.7	0.64	40.25	85.78	10.56	8.64	3.02	24.64	32.52	7.65	18.14	0.5
25-09-2024	NA	NA	NA	NA	NA	18.82	94.04	13.85	16.36	0.66	22.08	34.93	7.16	15.63	1.24	14.49	21.79	10.39	9.75	1.73	27.7	37.67	6.18	24.88	0.66
26-09-2024	NA	NA	NA	NA	NA	15.21	39.33	13.41	10.97	0.61	18.73	36.8	7.54	16.33	0.96	20.09	28.52	10.59	13.23	1.75	20.34	17.59	6.81	22.91	0.5
27-09-2024	NA	NA	NA	NA	NA	33.92	95.06	13.09	12.31	0.57	31.51	66.64	8.83	25.61	2.25	28.85	48.37	10.23	8.4	1.73	13.71	51.03	6.75	26.24	0.65
28-09-2024	NA	NA	NA	NA	NA	43.79	92.86	12.04	12	0.57	18.18	39.7	7.99	15.2	1.4	27.85	45.03	10.32	8.02	1.7	18.79	36.04	7.29	23.94	0.67
29-09-2024	NA	NA	NA	NA	NA	42.19	94.04	10.36	15.04	0.52	23.89	56.88	7.58	13.43	1.19	20.15	36.96	10.4	7.51	1.57	15.29	24.02	6.85	19.71	0.43
30-09-2024	NA	NA	NA	NA	NA	47.29	91.08	9.88	13.68	0.75	16.8	34.02	7.46	8.88	0.67	53.34	91.13	10.63	11.34	2.47	24.03	37.03	7.45	22.31	0.5
Max (µg/m3)	0	0	0	0	0	47	96	14	25	1	32	80	9	31	2	60	95	13	13	3	49	93	8	29	1
Min (µg/m3)	0	0	0	0	0	1	28	7	11	0	16	26	6	8	0	12	17	9	8	1	9	18	6	18	0
(µg/m3)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	23	84	10	15	1	23	51	7	16	1	31	54	11	9	2	25	49	7	22	1
Standards	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4	60	100	80	80	4

Showing NA due to the Aqms station is off because rain water is passing in aqms station

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

Checked By   
 Satish Kumar Choudhary  
 General Manager (Environment)

**AMBA RIVER COKE LIMITED**  
**Integrated Steel Mill Complex**  
Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

**A) STACK EMISSION :**

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 <sup>3</sup>			
									Particulate Matter (PM)	SO <sub>2</sub>	NOx	CO
I	Coke Oven Plant <span style="float:right">Plant Capacity: 1.0 MTPA</span>											
1	Coke Oven Battery A & B(Under firing)	Coke Oven Battery A & B	145	4.50	Natrual Draft	09/04/24 15:00 Hrs	1412	8.4	42	140.7	142.3	165.0
						09/05/24 15:00 Hrs	1302	10.5	46	110.0	121.5	128.3
						01/06/24 11:45 Hrs	1358	12.6	39	114.0	192.0	141.0
						05/07/24 16:45 Hrs	1669	12.0	40	91.8	59.6	143.1
						05/08/24 10:30 Hrs	1763	7.8	42	123.0	77.1	195.0
						05/09/24 16:00 Hrs	1915	8.8	43	96.0	122.2	128.9
2	Ground De-dusting system (Charging Side)	Coke Oven Battery A & B	31	2.50	Bag Filters	09/04/24 16:30 Hrs	1412	5.3	2	NA	NA	NA
						09/05/24 14:15 Hrs	1302	6.2	6	NA	NA	NA
						01/06/24 14:05 Hrs	1358	5.8	10	NA	NA	NA
						18/07/24 10:25 Hrs	1594	4.8	8	NA	NA	NA
						05/08/24 14:10 Hrs	1763	5.2	10	NA	NA	NA
						05/09/24 10:00 Hrs	1915	6.2	14	NA	NA	NA
3	Ground De-dusting system (pushing Side)	Coke Oven Battery A & B	31	2.50	Bag Filters	08/04/24 10:40 Hrs	1395	4.6	2	NA	NA	NA
						09/05/24 15:35 Hrs	1302	5.2	4	NA	NA	NA
						01/06/24 15:25 Hrs	1358	5.0	9	NA	NA	NA
						18/07/24 12:35 Hrs	1594	4.9	5	NA	NA	NA
						05/08/24 16:25 Hrs	1763	5.9	9	NA	NA	NA
						05/09/24 12:10 Hrs	1915	6.8	15	NA	NA	NA
4	Boiler	WHRB Boiler	40	2.00		25/04/24 10:00 Hrs	472.0	5.9	16	13.0	16.0	18.0
						10/05/24 10:00 Hrs	227.0	5.9	15	17.0	123.2	100.3
						05/06/24 15:25 Hrs	352.0	6.0	16	14.0	16.0	18.0
						03/07/24 10:15 Hrs	259.0	7.5	4	12.0	14.0	17.0
						03/08/24 10:45 Hrs	401.0	9.5	6	26.0	25.0	19.0
						18/09/24 10:00 Hrs	333.0	7.5	17	26.0	25.0	19.0

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 <sup>3</sup>			
									Particulate Matter (PM)	SO <sub>2</sub>	NOx	CO
5	Dry Quenching Stack	Primary & Secondary Dust Catcher	30	2.50	Bag Filters	08/04/24 12:10 Hrs	1395.0	7.9	18	NA	NA	NA
						23/05/24 10:00 Hrs	1333.0	6.5	15	NA	NA	NA
						05/06/24 16:25 Hrs	1310.0	7.8	14	NA	NA	NA
						18/07/24 15:35 Hrs	1594.0	5.3	4	NA	NA	NA
						09/08/24 16:05 Hrs	1746.0	5.2	7	NA	NA	NA
						07/09/24 10:20 Hrs	1986.0	6.2	15	NA	NA	NA
6	DG Set Stack	NA	30	0.35	NA	08/04/24 14:25 Hrs	1395.0	5.6	15	NA	NA	NA
						27/05/24 14:25 Hrs	1354.0	6.8	13	NA	NA	NA
						05/06/24 10:25 Hrs	1310.0	7.0	15	NA	NA	NA
						21/07/24 16:25 Hrs	1643.0	6.4	15	NA	NA	NA
						11/08/24 10:25 Hrs	1700.0	7.2	10	NA	NA	NA
						07/09/24 12:25 Hrs	1986.0	4.2	16	NA	NA	NA
							CPCB Norms		< 50	<800	< 500	NA
II	Pellet Plant Plant Capacity: 4.0 MTPA											
1	Dedusting 1 & 2	Mixer Unit	30.5	1.15	Bag Filters	15/04/24 14:35 Hrs	11685.0	5.3	12	NA	NA	NA
						27/05/24 10:05 Hrs	10489.0	6.3	14	NA	NA	NA
						27/06/24 15:15 Hrs	12327.0	3.5	16	NA	NA	NA
						20/07/24 14:15 Hrs	10734.0	4.1	14	NA	NA	NA
						23/08/24 10:15 Hrs	12091.0	5.2	17	NA	NA	NA
						10/09/24 12:10 Hrs	12014.0	5.8	18	NA	NA	NA
2	Dedusting 3	Betonite Unit	30.5	0.89	Bag Filters	15/04/24 16:44 Hrs	11685.0	7.1	15	NA	NA	NA
						27/05/24 12:15 Hrs	10489.0	7.5	16	NA	NA	NA
						27/06/24 16:55 Hrs	12327.0	5.3	22	NA	NA	NA
						20/07/24 16:05 Hrs	10734.0	6.0	17	NA	NA	NA
						23/08/24 12:05 Hrs	12091.0	7.5	19	NA	NA	NA
						10/09/24 15:20 Hrs	12014.0	6.9	17	NA	NA	NA
3	Main ESP	Induration Furnace	100	6.25	ESP	15/04/24 11:30 Hrs	11685.0	15.6	25	18.0	21.0	33.0
						22/05/24 11:05 Hrs	12098.0	15.6	20	18.0	21.0	33.0
						27/06/24 12:05 Hrs	12327.0	14.2	17	21.0	28.0	42.0
						20/07/24 10:35 Hrs	10734.0	14.5	16	17.0	24.0	19.0
						23/08/24 14:15 Hrs	12091.0	14.5	24	17.0	24.0	19.0
						10/09/24 10:00 Hrs	12014.0	8.0	20	18.0	16.0	28.4



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 <sup>3</sup>			
									Particulate Matter (PM)	SO <sub>2</sub>	NOx	CO
4	Dedusting 7	Hearth Layer	30.5	1.35	Bag Filters	12/04/24 16:20 Hrs	12232.0	5.7	17	NA	NA	NA
						15/05/24 15:35 Hrs	12169.0	4.8	18	NA	NA	NA
						24/06/24 10:00 Hrs	12260.0	3.2	18	NA	NA	NA
						12/07/24 10:20 Hrs	2503.0	4.5	14	NA	NA	NA
						21/08/24 10:15 Hrs	12051.0	5.0	12	NA	NA	NA
						16/09/24 10:20 Hrs	12103.0	4.6	15	NA	NA	NA
5	Dedusting 8	Final Product Silo	30.5	2	Bag Filters	12/04/24 14:40 Hrs	12232.0	6.4	18	NA	NA	NA
						15/05/24 15:35 Hrs	12169.0	5.5	17	NA	NA	NA
						24/06/24 12:20 Hrs	12260.0	3.8	22	NA	NA	NA
						12/07/24 12:10 Hrs	2503.0	4.8	16	NA	NA	NA
						21/08/24 12:22 Hrs	12051.0	6.2	15	NA	NA	NA
						16/09/24 12:20 Hrs	12103.0	7.0	13	NA	NA	NA
6	Dedusting 9	Final Product Silo	30.5	0.69	Bag Filters	30/04/24 10:00 Hrs	10529.0	4.1	15	NA	NA	NA
						15/05/24 15:35 Hrs	12169.0	3.8	14	NA	NA	NA
						24/06/24 14:20 Hrs	12260.0	4.0	16	NA	NA	NA
						12/07/24 14:30 Hrs	2503.0	3.8	13	NA	NA	NA
						21/08/24 15:18 Hrs	12051.0	5.1	16	NA	NA	NA
						16/09/24 14:00 Hrs	12103.0	5.8	17	NA	NA	NA
7	Discharge ESP	Furnace Discharge	40	1.80	ESP	30/04/24 12:15 Hrs	10529.0	6.1	23	NA	NA	NA
						27/05/24 11:05 Hrs	10489.0	7.2	21	NA	NA	NA
						24/06/24 16:23 Hrs	12260.0	7.2	12	NA	NA	NA
						12/07/24 16:25 Hrs	2503.0	6.5	10	NA	NA	NA
						21/08/24 16:45 Hrs	12051.0	7.8	14	NA	NA	NA
						16/09/24 16:35 Hrs	12103.0	7.2	20	NA	NA	NA
							CPCB Norms		< 150	<100	< 500	< 1

**b) FUGITIVE EMISSION STATUS:**

Sr. No.	Location of the Station	Date of Monitoring	Parameter
			PM10 (µg/m <sup>3</sup> )
A Coke Oven Plant			
	CPCB Norms (µg/m3)		3000
1	Near Coal Blending Area	18-04-2024	1679
		03-05-2024	1535
		13-06-2024	633
		17-07-2024	1871
		13-08-2024	960
		16-09-2024	1738
2	Near Secondary Coal Crusher Area	18-04-2024	1566
		02-05-2024	1657
		13-06-2024	430
		17-07-2024	1263
		13-08-2024	527
		16-09-2024	1839
3	Near Coke Oven Battery A Warf Area	18-04-2024	1754
		03-05-2024	1665
		14-06-2024	1531
		18-07-2024	1219
		14-08-2024	619
		16-09-2024	1758
4	Near Coke Oven Battery B Warf Area	18-04-2024	1752
		02-05-2024	1405
		14-06-2024	1479
		17-07-2024	1784
		14-08-2024	1670
		16-09-2024	1834
5	Near Coke Cutter Area	19-04-2024	1701
		03-05-2024	1714
		13-06-2024	1436
		18-07-2024	1713
		13-08-2024	1316
		17-09-2024	1720
6	Near Coke Screening Area	19-04-2024	1647
		02-05-2024	1231
		13-06-2024	1111
		17-07-2024	1578
		13-08-2024	1569
		17-09-2024	1661
7	Near Sulphur Recovery Area	19-04-2024	1631
		03-05-2024	1702
		14-06-2024	1330
		18-07-2024	1008
		14-08-2024	1090
		17-09-2024	1537
B Pellet Plant			
	CPCB Norms (µg/m3)		3000
1	Near Mixer Building Area	20-04-2024	1833
		15-05-2024	1883
		03-06-2024	1578
		15-07-2024	1659
		21-08-2024	1473
		19-09-2024	1666
2	Near Bentonite Storage Area	20-04-2024	1708
		16-05-2024	1730
		04-06-2024	1650
		16-07-2024	1527
		22-08-2024	1485
		19-09-2024	1761

**b) FUGITIVE EMISSION STATUS:**

Sr. No.	Location of the Station	Date of Monitoring	Parameter
			PM10 ( $\mu\text{g}/\text{m}^3$ )
3	Near Additive Ball Mill Area	20-04-2024	1677
		15-05-2024	1687
		04-06-2024	1719
		15-07-2024	1866
		21-08-2024	1705
		19-09-2024	1849
4	Near Ball Mill Area	20-04-2024	1667
		16-05-2024	1574
		03-06-2024	1786
		15-07-2024	1760
		21-08-2024	1088
		18-09-2024	1663
5	Near Indurating Machine	22-04-2024	1756
		15-05-2024	1796
		03-06-2024	1619
		15-07-2024	1166
		22-08-2024	1682
		18-09-2024	1682
6	Near Hearth Layer Area	22-04-2024	1634
		15-05-2024	1606
		03-06-2024	1682
		16-07-2024	1759
		22-08-2024	1235
		18-09-2024	1876
7	Near Product Storage Area	22-04-2024	1691
		16-05-2024	1425
		03-06-2024	1728
		16-07-2024	1722
		22-08-2024	1452
		18-09-2024	1722



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



Checked By  
Satish Kumar Choudhary  
General Manager (Environment)

**C. WATER POLLUTION STATUS:****Water Consumption/tonne of product produced :**Water Consumption / MT of Coke Produced : 2.047 M<sup>3</sup>/MT, from April, 2024 to September, 2024 (For COP only).Water Consumption / MT of Pellet Produced : 0.125 M<sup>3</sup>/MT, April, 2024 to September, 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 <sup>3</sup> /day)	Parameters Monitored (mg/l, except pH)								Quantity of the treatment effluent reused / recirculated & what purpose
				pH	TSS	Phenol	Cyanide	BOD	COD	Amm. Nitrogen	O & G	
From April, 2024 to September, 2024	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 <sup>3</sup> /h	7.3	788.3	BLQ	BLQ	4.1	42.1	BLQ	BLQ	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 April, 2024 to September, 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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General Manager (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 April, 2024 to September, 2022	Method of reuse / disposal
1	Coke Oven Plant	Coke Breeze, Coke & Coal Dust	11778.5	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	25225	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), Taloja, Raigad
		25.6	Decanter Sludge (Category No. 13.4)	100 % Reused in Coke Oven process
		155 kg	Waste /residu containig Oil (oil Soack Cotton ) (Category No. 5.2)	disposed in HSM furnace.
		Nil	Used oil (Category No. 5.1)	NA
2	Pellet Plant	1060KG	Waste /residu containig Oil (oil Soack Cotton ) (Category No. 5.2)	Disposed in HSM furnace.

  
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Manager (Environment)

  
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Satish Kumar Choudhary  
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## E. NOISE POLLUTION CONTROL STATUS:

Sr. No	Location	Distance from the Source (m)	Date of Monitoring	Noise Level Leq. dB(A)	
				Day	Night
				dB(A)	dB(A)
A	Coke Oven Plant				
1	Near Coke Oven -Battery Pushing side	5	08-04-2024	83	71
			14-04-2024	78	72
			04-05-2024	70	68
			24-05-2024	68	66
			05-06-2024	83	71
			20-06-2024	78	72
			06-07-2024	70	68
			20-07-2024	68	66
			08-08-2024	70	68
			20-08-2024	68	66
			06-09-2024	83	71
			20-09-2024	78	72
2	Near Coke Oven -Battery Coke side	5	08-04-2024	82	79
			14-04-2024	81	77
			04-05-2024	64	63
			24-05-2024	66	64
			05-06-2024	82	79
			20-06-2024	81	77
			06-07-2024	64	63
			20-07-2024	66	64
			08-08-2024	65	63
			20-08-2024	66	64
			06-09-2024	82	79
			20-09-2024	81	77
3	Near Coke cutter/coke screening area	5	08-04-2024	77	72
			14-04-2024	74	72
			04-05-2024	72	70
			24-05-2024	74	71
			05-06-2024	77	72
			20-06-2024	74	72
			06-07-2024	72	70
			20-07-2024	74	71
			08-08-2024	73	70
			20-08-2024	75	71
			06-09-2024	77	72
			20-09-2024	74	72
4	Near BOD Plant area	5	08-04-2024	72	70
			14-04-2024	80	73
			04-05-2024	76	74
			24-05-2024	77	72
			05-06-2024	72	70
			20-06-2024	80	73
			06-07-2024	76	74
			20-07-2024	77	73
			08-08-2024	76	74
			20-08-2024	78	75
			06-09-2024	72	70
			20-09-2024	80	73

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General Manager (Environment)

## E. NOISE POLLUTION CONTROL STATUS:

Sr. No	Location	Distance from the Source (m)	Date of Monitoring	Noise Level Leq. dB(A)	
				Day	Night
				dB(A)	dB(A)
5	Near Coke Oven Main office Area	5	08-04-2024	77	75
			14-04-2024	80	73
			04-05-2024	68	66
			24-05-2024	67	64
			05-06-2024	77	75
			20-06-2024	80	73
			06-07-2024	68	66
			20-07-2024	67	64
			08-08-2024	69	66
			20-08-2024	67	65
			06-09-2024	77	75
			20-09-2024	80	73
6	Near Coal blending Area	5	08-04-2024	82	75
			14-04-2024	79	76
			04-05-2024	70	68
			24-05-2024	72	70
			05-06-2024	82	75
			20-06-2024	79	76
			06-07-2024	70	68
			20-07-2024	72	70
			08-08-2024	70	68
			20-08-2024	72	70
			06-09-2024	82	75
			20-09-2024	79	76
7	Near Ammonia scrubber Area	5	08-04-2024	80	72
			14-04-2024	82	80
			04-05-2024	76	73
			24-05-2024	74	72
			05-06-2024	80	78
			20-06-2024	82	80
			06-07-2024	76	73
			20-07-2024	74	72
			08-08-2024	78	75
			20-08-2024	75	72
			06-09-2024	80	78
			20-09-2024	82	80
8	Near Secondary Crusher Area	5	08-04-2024	83	80
			14-04-2024	80	76
			04-05-2024	66	64
			24-05-2024	65	63
			05-06-2024	83	81
			20-06-2024	80	78
			06-07-2024	66	64
			20-07-2024	65	63
			08-08-2024	68	65
			20-08-2024	65	63
			06-09-2024	83	81
			20-09-2024	80	78

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## E. NOISE POLLUTION CONTROL STATUS:

Sr. No	Location	Distance from the Source (m)	Date of Monitoring	Noise Level Leq. dB(A)	
				Day	Night
				dB(A)	dB(A)
<b>B</b>	<b>Pellet Plant</b>				
1	Near Ball Mill Area	5	08-04-2024	79	76
			14-04-2024	80	74
			04-05-2024	77	75
			23-05-2024	79	77
			05-06-2024	79	76
			20-06-2024	80	77
			06-07-2024	80	75
			20-07-2024	79	77
			05-08-2024	78	76
			17-08-2024	80	78
			06-09-2024	79	76
			20-09-2024	80	77
2	Near Additive Ball Mill Area	5	08-04-2024	77	74
			14-04-2024	82	78
			04-05-2024	76	75
			23-05-2024	75	73
			05-06-2024	77	74
			20-06-2024	82	78
			06-07-2024	77	75
			20-07-2024	76	73
			05-08-2024	76	75
			17-08-2024	75	73
			06-09-2024	77	74
			20-09-2024	82	78
3	Near Main ESP	5	08-04-2024	80	77
			14-04-2024	82	81
			04-05-2024	84	82
			23-05-2024	82	80
			05-06-2024	80	77
			20-06-2024	82	81
			06-07-2024	84	82
			20-07-2024	82	80
			05-08-2024	84	82
			17-08-2024	82	80
			06-09-2024	80	77
			20-09-2024	82	81



## E. NOISE POLLUTION CONTROL STATUS:


Sr. No	Location	Distance from the Source (m)	Date of Monitoring	Noise Level Leq. dB(A)	
				Day	Night
				dB(A)	dB(A)
4	Near Product Storage Area	5	08-04-2024	82	81
			14-04-2024	77	74
			04-05-2024	74	72
			23-05-2024	72	70
			05-06-2024	83	80
			20-06-2024	77	74
			06-07-2024	74	72
			20-07-2024	72	70
			05-08-2024	75	72
			17-08-2024	73	70
			06-09-2024	83	80
			20-09-2024	77	74
5	Near Indurating area	5	08-04-2024	81	75
			14-04-2024	76	71
			04-05-2024	82	80
			23-05-2024	80	78
			05-06-2024	81	79
			20-06-2024	76	74
			06-07-2024	82	80
			20-07-2024	80	78
			05-08-2024	83	80
			17-08-2024	80	78
			06-09-2024	81	79
			20-09-2024	76	74
6	Near Hearth Layer Area	5	08-04-2024	78	73
			14-04-2024	74	71
			04-05-2024	78	76
			23-05-2024	76	74
			05-06-2024	78	75
			20-06-2024	74	72
			06-07-2024	78	76
			20-07-2024	76	74
			05-08-2024	80	76
			17-08-2024	78	74
			06-09-2024	78	75
			20-09-2024	74	72


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	<b>Coke Oven Plant (1 MTPA)</b> <b>Fomat 1.0/CAC/ UAN No. 0000137969/</b> <b>CR/2302000588 dated 13/02/2023</b>	31/05/2022	31-05-2024 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 & Transboundry Movement) Rules, 2008	<b>Pellet Plant (4 MTPA)</b> <b>Fomat 1.0/CAC/ UAN No. 0000147985/</b> <b>CR/2301001229 dated 12/01/2023</b>	09-30-2022	30-09-2027

  
Prepared By  
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Checked By  
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Test Report No. INCHE24043120509044402

ULR No.: TC805724000019023F

Report Issue Date: 09 May 2024

### TEST REPORT

Report Issued To: Amba River Coke Limited			
Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107, India			
Discipline :	Chemical	Sample receipt date :	29 Apr 2024
Group :	Pollution and Environment	Date of registration :	29 Apr 2024
BV Sample ID :	1534452	Date of commencing of testing :	29 Apr 2024
Sample Name** :	Coke Oven Plant-1 Waste Water	Date of completion of testing :	07 May 2024
Physical Description :	Slightly turbid liquid		
Sample quantity / Package :	1Ltr		
Sample Information:	Sampling Done by Laboratory		
Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	26 Apr 2024
Sampling location :	Amba River Coke Limited Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. S. Anitharaj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
2	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01
3	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
4	pH Value	-	6.45	APHA 23rd Ed. 4500H+B	1
5	Total Dissolved Solids	mg/L	436	APHA 23rd Ed. 2540 C	1
6	Total Suspended Solids	mg/L	6	APHA 23rd Ed. 2540 D	1
7	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
8	Chemical Oxygen Demand	mg/L	52	APHA 23rd Ed. 5220 B	5
9	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	3.4	IS 3025 Part 44 : 1993	1

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

\*\* Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M. Ramesh

Manager

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— End of Report —



Sl. No.: 98878

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Test Report No. INCHE24051400608062512

ULR No. : TC805724000021554F

Report Issue Date: 08 Jun 2024

### TEST REPORT

Report Issued To: Amba River Coke Limited			
Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107, India			
Discipline :	Chemical	Sample receipt date :	23 May 2024
Group :	Pollution and Environment	Date of registration :	23 May 2024
BV Sample ID :	1551516	Date of commencing of testing :	24 May 2024
Sample Name** :	CUP-1 Outlet Water	Date of completion of testing :	28 May 2024
Physical Description :	Slightly turbid liquid		
Sample condition on receipt :	Good		
Sample quantity / Package :	1Ltr X 1No		
Sample Information: Sampling Done by Laboratory			
Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	20 May 2024
Sampling location :	Amba River Coke Limited Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. S. Anitharaj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	6.33	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	3.8	IS 3025 Part 44 : 1993	1
4	Total Dissolved Solids	mg/L	398	APHA 23rd Ed. 2540 C	1
5	Ammonical Nitrogen as N	mg/L	1.1	APHA 23rd Edn-4500 NH3 B,C	1
6	Total Suspended Solids	mg/L	8	APHA 23rd Ed. 2540 D	1
7	Chemical Oxygen Demand	mg/L	40	APHA 23rd Edition 2017 - 5220 C	5
8	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
9	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

\*\* Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M. Ramesh

Manager

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— End of Report —







Test Report No. INCHE24067400704064835

ULR No. : TC805724000028251F

Report Issue Date: 04 Jul 2024

### TEST REPORT

<b>Report Issued To:</b> Amba River Coke Limited			
Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107, India			
<b>Discipline :</b>	Chemical	<b>Sample receipt date :</b>	28 Jun 2024
<b>Group :</b>	Pollution and Environment	<b>Date of registration :</b>	28 Jun 2024
<b>BV Sample ID :</b>	1611831	<b>Date of commencing of testing :</b>	29 Jun 2024
<b>Sample Name** :</b>	COP-1 Outlet Water	<b>Date of completion of testing :</b>	03 Jun 2024
<b>Physical Description :</b>	Slightly turbid liquid		
<b>Sample quantity / Package :</b>	1Ltr		
<b>Sample Information:</b>	Sampling Done by Laboratory		
<b>Sampling procedure :</b>	BVILCH/QMS/SOP-012	<b>Date of sampling / collection :</b>	25 Jun 2024
<b>Sampling location :</b>	Amba River Coke Limited Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107.	<b>Sampling / Collection done by :</b>	S. Anitharaj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	8.59	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	3.0	IS 3025 Part 44 : 1993	1
4	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
5	Total Suspended Solids	mg/L	6	APHA 23rd Ed. 2540 D	1
6	Chemical Oxygen Demand	mg/L	27	APHA 23rd Ed. 5220 B	5
7	Total Dissolved Solids	mg/L	1084	APHA 23rd Ed. 2540 C	1
8	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
9	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

\*\* Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M. Ramesh

Manager

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— End of Report —





Test Report No. INCHE24079370802095339

ULR No. : TC805724000033802F

Report Issue Date: 02 Aug 2024

## TEST REPORT

Report Issued To: Amba River Coke Limited

Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107, India

Discipline :	Chemical	Sample receipt date :	29 Jul 2024
Group :	Pollution and Environment	Date of registration :	29 Jul 2024
BV Sample ID :	1636688	Date of commencing of testing :	30 Jul 2024
Sample Name** :	Coke Oven - 1 Outlet Water	Date of completion of testing :	02 Aug 2024
Physical Description :	Clear liquid		
Sample condition on receipt :	Good		
Sample quantity / Package :	1Ltr X 1No		

Sample Information: Sampling Done by Laboratory

Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	26 Jul 2024
Sampling location :	Amba River Coke Limited Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. S.Anithraj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
2	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01
3	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
4	pH Value	-	7.39	APHA 23rd Ed. 4500H+B	1
5	Total Dissolved Solids	mg/L	690	APHA 23rd Ed. 2540 C	1
6	Total Suspended Solids	mg/L	4	APHA 23rd Ed. 2540 D	1
7	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
8	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	3.6	IS 3025 Part 44 : 1993	1
9	Chemical Oxygen Demand	mg/L	42	APHA 23rd Edition 2017 - 5220 C	5

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

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Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M.Ramesh

Manager

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— End of Report —



SI. No.: 133771

Food\_Report\_INCHE2407937\_(INCHE2407937-001)\_v1.PDF



Test Report No. INCHE24090190903091302

ULR No. : TC805724000037988F

Report Issue Date: 03 Sep 2024

### TEST REPORT

Report Issued To: Amba River Coke Limited

Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107, India

Discipline :	Chemical	Sample receipt date :	28 Aug 2024
Group :	Pollution and Environment	Date of registration :	28 Aug 2024
BV Sample ID :	1683417	Date of commencing of testing :	28 Aug 2024
Sample Name** :	Coke Oven - 1 Outlet Water	Date of completion of testing :	03 Sep 2024
Physical Description :	Clear liquid		
Sample condition on receipt :	Good		
Sample quantity / Package :	1Ltr X 1No		

Sample Information: Sampling Done by Laboratory

Sampling procedure :	BV/SAR/F/SOP/001	Date of sampling / collection :	24 Aug 2024
Sampling location :	Amba River Coke Limited Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. S.Anitharaj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
2	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01
3	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
4	pH Value	-	7.45	APHA 23rd Ed. 4500H+B	1
5	Total Dissolved Solids	mg/L	698	APHA 23rd Ed. 2540 C	1
6	Total Suspended Solids	mg/L	4	APHA 23rd Ed. 2540 D	1
7	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
8	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	4.0	IS 3025 Part 44 : 1993	1
9	Chemical Oxygen Demand	mg/L	38	APHA 23rd Edition 2017 - 5220 C	5

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

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Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M.Ramesh

Manager

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— End of Report —







Test Report No. INCHE24102051003091745

ULR No. : TC805724000044843F

Report Issue Date: 03 Oct 2024

### TEST REPORT

Report Issued To: Amba River Coke Limited

Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107, India

Discipline :	Chemical	Sample receipt date :	25 Sep 2024
Group :	Pollution and Environment	Date of registration :	25 Sep 2024
BV Sample ID :	1714154	Date of commencing of testing :	26 Sep 2024
Sample Name** :	Coke Oven - 1 Outlet Water	Date of completion of testing :	30 Sep 2024
Physical Description :	Slightly turbid liquid		
Sample quantity / Package :	1Ltr X 1No		

Sample Information: Sampling Done by Laboratory

Sampling procedure :	BV/SAR/F/SOP/001	Date of sampling / collection :	21 Sep 2024
Sampling location :	Amba River Coke Limited Dolvi Works - Pellet Plant, Jui Bapuji, Tal: Alibaug, Village: Juibapuji, Pen-Alibaug Road, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. Anithraj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
2	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01
3	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
4	pH Value	-	7.74	APHA 23rd Ed. 4500H+B	1
5	Total Dissolved Solids	mg/L	1424	APHA 23rd Ed. 2540 C	1
6	Total Suspended Solids	mg/L	6	APHA 23rd Ed. 2540 D	1
7	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
8	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	6.8	IS 3025 Part 44 : 1993	1
9	Chemical Oxygen Demand	mg/L	54	APHA 23rd Edition 2017 - 5220 C	5

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— End of Report —



## **Annexure 2**

### **Environment Statement – Form 5 For Coke Oven Plant 1 at Amba River Coke Ltd (2023-24)**





# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000069969

### Submitted Date

16-09-2024

## PART A

### Company Information

#### Company Name

AMBA RIVER COKE LIMITED(COKE OVEN PLANT))

#### Application UAN number

0000137969

#### Address

GEETA PURAM DOLVI

#### Plot no

18,19,20,21,35,37,38,40,41,42

#### Taluka

ALIBAG

#### Village

JUI BAPAJI DOLVI

#### Capital Investment (In lakhs)

104000

#### Scale

LARGE

#### City

PEN

#### Pincode

402107

#### Person Name

DR.ANAND RAI

#### Designation

VICE PRESIDENT (HOD-  
ENVIRONMENT)

#### Telephone Number

9607971413

#### Fax Number

0000000

#### Email

anand.raai@jsw.in

#### Region

SRO-Raigad II

#### Industry Category

Red

#### Industry Type

R19 Coke making , liquefaction, coal  
tar distillation or fuel gas making

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0 /CAC/UAN  
NO.0000137969/CR/2302000855

#### Consent Issue Date

2023-02-13

#### Consent Valid Upto

2024-05-31

#### Establishment Year

2008

#### Date of last environment statement submitted

Sep 8 2023 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

DRY COKE

#### Consent Quantity

1000000

#### Actual Quantity

668287

#### UOM

MT/A

### By-product Information

#### By Product Name

Coke Oven Gas (only by recovery oven technology) 456687 X 10 6 NM3/Annum

#### Consent Quantity

456687

#### Actual Quantity

300219

#### UOM

NM3/Annum

Tar

47000

23844

Ton/Y

Part-B (Water & Raw Material Consumption)

<u>1) Water Consumption in m3/day</u>		
<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
	0.00	0.00
<b>Cooling</b>	7373.00	3846.40
<b>Domestic</b>	36.24	34.00
<b>All others</b>	0.00	0.00
<b>Total</b>	7409.24	3880.40

<u>2) Effluent Generation in CMD / MLD</u>			
<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
TRADE EFFLUENT	2160	1142	CMD
DOMESTIC EFFLUENT	30	25	CMD

<u>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</u>			
<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
DRY COKE (M3/UNIT OF PRODUCT)	225	2.01	Ton/Y

<u>3) Raw Material Consumption (Consumption of raw material per unit of product)</u>			
<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Hard Coking Coal	0.683	0.683	Ton/Ton
Semi Hard Coal	0.406	0.380	Ton/Ton
PCI Coal	0.089	0.092	Ton/Ton
Secondary Hard Coking Coal	0.207	0.212	Ton/Ton
Corex	0.151	0.049	Ton/Ton
MCK/SMM/NAMOI	0	0.137	Ton/Ton

<u>4) Fuel Consumption</u>			
<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Coke Oven Gas(KM3)	0	21893000000	M3/Anum

Part-C

<u>Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)</u>					
<u>[A] Water</u>					
<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</b>
ZLD	0	0	0	0	0

<u>[B] Air (Stack)</u>					
<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged(Mg/NM3) Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</b>

Coke Oven Battery A & B (Under firing)	243.2	41.8	No deviation	50	NA
Ground De-dusting system (Charging Side)	5.4	6.5	No deviation	50	NA
Ground De-dusting system (Pushing Side)	16.8	12.0	No deviation	50	NA
Boiler	17.4	14.1	No deviation	50	NA
Dry Quenching Stack	21.1	11.4	No deviation	50	NA
DG Set Stack	6.8	16.3	No deviation	50	NA

### Part-D

#### HAZARDOUS WASTES

##### 1) From Process

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	0	6800	Ltr/A
5.2 Wastes or residues containing oil	180	192	Kg/Annum
13.4 Decanter tank tar sludge	57.80	48	Ton/Y
35.2 Spent ion exchange resin containing toxic metals	0	0	Ton/Y
Other Hazardous Waste	0	0	Ton/Y
35.3 Chemical sludge from waste water treatment	0.7	0.8	Ton/Y

##### 2) From Pollution Control Facilities

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	0	Ton/Y

### Part-E

#### SOLID WASTES

##### 1) From Process

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Coke Breeze	20125.42	15223	Ton/Y

##### 2) From Pollution Control Facilities

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
COAL AND COKE DUST	434.94	1050.75	Ton/Y

##### 3) Quantity Recycled or Re-utilized within the unit

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Other Hazardous Waste	20560.36	16273.75	Ton/Y

### Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

##### 1) Hazardous Waste

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	6800	Ltr/A	NA

5.2 Wastes or residues containing oil	192	Kg/Annum	NA
13.4 Decanter tank tar sludge	48	Ton/Y	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Coke Breeze and Coke Coal Dust	16273.75	Ton/Y	100 % Recycled in Coke Making and Coke Blending Plant

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

A comprehensive repair plan has been prepared for batteries and implemented in upcoming years.

Name & Designation

DR.ANAND RAI (Vice President) -HOD ENVIRONMENT DEPT.

UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000069969

Submitted On:

16-09-2024