

October, 20 2018

ARCL/ENV/MoEF & CC/2018

To

Shri. Kanwarjit Singh, APCCF(C),
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, 2018 to September 2018.

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, 2018 to September 2018 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.

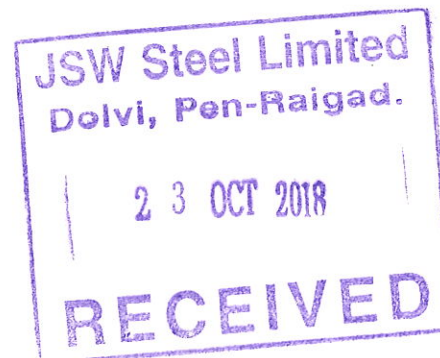
This is for your information & record please.

Thanking you,

Yours faithfully,
For Amba River Coke Limited



Mallineni Sukumar
General Manager (Coke Oven)



- 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

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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	NOx	CO		
Plant Capacity: 1.0 MTPA														
I Coke Oven Plant														
1	Coke Oven Battery A & B	Coke Oven Battery A & B	145	4.50	Natural Draft	12/04/2018 16:00 Hrs 23.05.2018 13:30 Hrs 20/06/2018 11:25 Hrs 23/07/2018 13:05 Hrs 23/08/2018 15:05 Hrs 22/09/2018 15:35 Hrs	2944.00 2906.00 2898.00 2872.00 2862.00 2841.00	12.59 12.00 9.58 11.73 12.23 14.31	24.00 21.33 13.50 12.22 12.56 13.25	2.19 2.67 2.15 3.35 3.03 3.20	3.13 3.68 1.38 2.80 2.60 2.80	NA NA NA NA NA NA		
2	Ground De-dusting system	Coke Oven Battery A & B	31	2.50	Bag Filters	12/04/2018 10:30 Hrs 23.05.2018 10:30 Hrs 20/06/2018 12:50 Hrs 24/07/2018 10:15 Hrs 22/08/2018 10:20 Hrs 22/09/2018 10:28 Hrs	2944.00 2906.00 2898.00 2862.00 2873.00 2841.00	11.72 8.17 12.33 9.70 10.52 11.02	17.66 16.03 6.03 5.08 5.80 4.40	NA NA NA NA NA NA	NA NA NA NA NA NA			
3	Boiler	WHRB Boiler	40	2.00	-	12/04/2018 12:45 Hrs 22.05.2018 13:00 Hrs 20/06/2018 10:30 Hrs 23/07/2018 12:00 Hrs 22/08/2018 11:50 Hrs 22/09/2018 12:05 Hrs	2944.00 2908.00 2898.00 30.42 24.54 19.25	11.20 7.29 10.87 10.60 11.53 13.66	18.09 16.83 9.16 8.33 10.53 11.22	2.02 2.14 2.78 2.80 2.30 2.40	1.31 2.63 1.63 2.10 2.30 3.60	NA NA NA NA NA NA		
								CPCB Norms						
Plant Capacity: 4.0 MTPA														
II Pellet Plant														
1	Dedusting 1 & 2	Mixer Unit	30.5	1.15	Bag Filters	16/04/2018 12:30 Hrs 16.05.2018 16:10 Hrs 14/06/2018 15:50 Hrs 18/07/2018 12:15 Hrs 20/08/2018 15:25 Hrs 24/09/2018 14:45 Hrs	12233 12626 12325.0 11545 11159 11951	8.86 6.28 8.99 8.39 8.80 9.20	25.16 23.33 22.53 27.33 18.25 17.88	NA NA NA NA NA NA	NA NA NA NA NA NA			
2	Dedusting 3	Betonite Unit	30.5	0.89	Bag Filters	16/04/2018 13:20 Hrs 16.05.2018 15:00 Hrs 14/06/2018 14:45 Hrs 18/07/2018 13:10 Hrs 20/08/2018 12:15 Hrs 24/09/2018 12:27 Hrs	12233 12626 12325 11545 11159 11951	8.12 7.95 7.06 8.19 7.90 8.20	18.30 20.00 29.16 25.07 20.15 27.65	NA NA NA NA NA NA	NA NA NA NA NA NA			

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

Checked By
 V.M.Wagchaure
 GM (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	14/04/2018 12:25 Hrs	12538.00	11.34	27.46	3.22	1.34	NA
						16.05.2018 11:30 Hrs	12626.00	11.87	32.81	3.20	2.45	NA
						14/06/2018 10:45 Hrs	12325.00	10.29	28.09	3.10	2.56	NA
						28/07/2018 13:10 Hrs	11457.00	11.88	11.16	4.27	3.40	NA
						20/08/2018 10:35 Hrs	11159.00	14.26	15.42	2.36	3.60	NA
						24/09/2018 10:25 Hrs	11951.00	15.62	20.15	2.90	3.80	NA
4	Dedusting 4	Hearth Layer	30.5	1.35	Bag Filters	14/04/2018 15:30 Hrs	12538.00	8.91	18.00	NA	NA	NA
						16.05.2018 12:20 Hrs	12626.00	8.60	17.33	NA	NA	NA
						14/06/2018 12:10 Hrs	12325.00	10.20	33.38	NA	NA	NA
						18/07/2018 15:10 Hrs	11545.00	10.26	30.15	NA	NA	NA
						21/08/2018 11:15 Hrs	11011.00	10.80	23.56	NA	NA	NA
						25/09/2018 11:25 Hrs	12110.00	10.12	28.15	NA	NA	NA
5	Dedusting 5	Final Product Silo	30.5	2.00	Bag Filters	14/04/2018 16:25 Hrs	12538.00	8.64	23.00	NA	NA	NA
						16.05.2018 13:15 Hrs	12626.00	8.77	25.08	NA	NA	NA
						14/06/2018 13:10 Hrs	12325.00	10.90	31.11	NA	NA	NA
						18/07/2018 16:00 Hrs	11545.00	9.71	30.14	NA	NA	NA
						21/08/2018 13:25 Hrs	11011.00	9.80	25.66	NA	NA	NA
						25/09/2018 15:11Hrs	12110.00	10.44	32.56	NA	NA	NA
CPCB Norms								<150	<100	<500	<1	



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



Checked By
V M Waghchaure
GM (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location Date	Near Kasumata Temple			Near Coke Oven Plant			Near MSEB Substation			Near Goa Gate			Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX
01-04-2018	9.43	24.66	8.19	21.87	21.04	45.14	6.29	9.58	13.11	42.26	5.36	13.88	28.84	47.28	7.06	12.98
02-04-2018	8.61	23.52	6.62	26.01	25.00	48.43	17.42	9.56	14.38	46.89	5.50	17.15	28.98	51.94	9.68	16.22
03-04-2018	10.93	26.34	9.02	26.47	30.68	48.82	11.64	9.59	13.73	41.35	5.46	18.38	26.04	49.75	9.49	18.77
04-04-2018	13.90	39.24	9.67	24.70	22.29	48.38	4.70	9.60	17.68	52.44	6.37	22.61	24.43	47.05	7.47	18.78
05-04-2018	25.71	94.30	9.91	26.06	27.32	68.89	8.19	9.59	18.66	59.08	6.08	18.09	35.82	77.29	8.42	16.70
06-04-2018	27.69	95.20	9.04	27.60	33.91	89.55	4.21	9.59	18.30	61.38	5.98	17.23	38.54	89.39	11.00	17.19
07-04-2018	24.37	79.36	8.57	27.48	34.09	83.58	14.75	9.38	17.87	59.08	6.06	16.88	37.12	95.23	12.17	15.83
08-04-2018	31.04	93.94	8.26	27.16	28.09	72.29	6.10	9.58	16.98	57.38	6.29	16.86	32.57	79.31	11.92	15.62
09-04-2018	16.23	46.72	6.94	27.78	30.63	80.16	11.97	9.60	18.29	64.41	6.30	34.20	26.79	65.86	10.93	15.93
10-04-2018	14.80	42.52	6.90	25.48	30.54	75.10	12.22	9.59	15.34	59.83	5.95	32.00	35.86	97.67	10.97	15.80
11-04-2018	15.00	38.26	6.91	25.21	27.51	66.21	5.75	9.59	14.36	97.03	6.13	11.54	28.62	69.04	10.97	16.67
12-04-2018	16.04	55.53	7.57	25.12	25.42	63.58	4.84	9.57	15.14	94.62	6.15	9.85	24.61	61.75	10.87	15.77
13-04-2018	21.08	98.01	9.48	27.69	23.96	61.20	6.32	9.57	13.45	51.85	6.44	9.74	25.53	62.84	11.76	14.92
14-04-2018	27.99	87.62	8.61	20.64	23.92	56.19	5.53	9.58	12.42	42.77	6.15	5.42	24.15	67.56	11.11	14.57
15-04-2018	12.66	39.95	8.26	4.11	19.87	38.83	6.32	9.58	11.23	31.98	5.90	4.36	22.81	48.22	10.54	14.77
16-04-2018	19.57	40.18	7.90	18.43	20.27	51.38	6.95	9.56	11.59	48.55	5.56	4.49	22.01	59.39	11.07	12.36
17-04-2018	16.94	63.76	7.14	23.54	24.41	55.18	1.84	9.56	12.36	34.06	5.64	1.51	27.37	61.16	11.03	12.90
18-04-2018	25.65	52.04	7.79	25.11	22.08	47.81	3.55	9.54	14.63	39.68	5.48	0.98	22.28	54.21	11.71	13.90
19-04-2018	22.74	69.94	7.58	36.74	29.75	65.66	5.17	9.56	17.44	56.66	5.91	2.92	21.58	69.05	12.26	15.28
20-04-2018	20.35	65.77	7.92	31.45	22.38	43.64	2.92	9.57	11.27	31.49	5.64	3.95	22.45	62.64	12.21	14.78
21-04-2018	19.36	50.43	8.09	36.30	21.46	54.48	12.36	9.55	12.85	56.54	5.59	17.33	20.70	44.79	10.84	14.96
22-04-2018	15.94	57.17	7.93	27.45	27.00	73.76	4.76	9.58	15.45	63.93	5.90	17.31	25.92	56.47	11.82	14.50
23-04-2018	22.99	80.62	8.61	20.64	28.20	60.64	2.73	9.57	18.50	49.63	5.08	11.27	33.89	84.10	11.73	15.00
24-04-2018	15.71	43.96	7.95	21.22	28.78	68.50	5.33	9.57	17.11	58.09	5.29	11.72	32.26	81.90	10.97	14.82
25-04-2018	22.22	70.67	13.78	32.97	20.93	59.25	6.69	9.56	15.73	55.84	5.10	8.52	27.16	62.51	11.13	13.76
26-04-2018	18.96	72.39	8.20	35.62	13.84	44.19	3.22	9.57	11.22	36.34	4.96	6.08	22.25	47.75	11.80	14.06
27-04-2018	13.45	45.71	8.08	11.77	11.45	25.20	4.65	9.46	10.08	29.91	5.45	5.30	19.86	44.27	12.51	13.94
28-04-2018	8.44	21.20	7.77	11.27	17.89	32.42	4.49	9.51	8.66	25.81	5.56	10.71	17.32	32.17	11.01	14.72
29-04-2018	10.66	35.95	8.26	4.11	17.79	31.35	3.93	9.57	8.66	25.87	5.03	5.52	21.13	41.74	11.37	12.81
30-04-2018	10.16	26.01	8.17	5.55	23.00	42.36	5.90	9.58	11.05	50.19	4.84	8.72	23.09	45.07	11.30	14.52

Month	Day Time	Night Time
Apr-18	62	61
Standards	< 75	< 70

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


Checked By 
V. M. Waghchaure
GM (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location Date	Near Kasumata Temple			Near Coke Oven Plant			Near MSEB Substation			Near Goa Gate			Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX
01-05-2018	14.17	51.75	8.44	6.62	23.29	51.65	4.34	9.58	11.19	43.58	5.03	9.39	21.44	43.39	11.10	12.57
02-05-2018	10.30	25.24	8.17	18.31	18.40	32.84	4.02	9.57	8.87	28.16	4.92	8.95	18.75	37.19	11.71	12.64
03-05-2018	10.67	38.25	8.16	16.66	20.60	30.42	4.20	9.54	6.80	17.58	4.76	7.77	21.55	52.30	11.38	13.62
04-05-2018	9.50	28.23	8.34	12.30	16.95	25.50	3.30	9.56	9.94	23.77	4.42	12.33	19.35	39.87	12.19	12.76
05-05-2018	11.26	36.15	8.26	12.82	17.73	33.46	4.03	9.55	9.21	21.86	4.43	23.58	21.16	47.43	10.91	13.85
06-05-2018	11.82	33.70	8.09	44.16	17.76	32.34	3.86	9.55	8.24	20.57	4.48	22.71	19.62	40.47	11.06	12.88
07-05-2018	11.23	42.41	8.28	11.21	15.42	25.81	3.72	9.55	9.65	29.56	4.31	24.87	21.99	41.28	11.64	12.16
08-05-2018	12.62	46.85	8.79	13.29	18.55	39.10	5.88	9.56	14.37	34.62	4.79	27.65	21.47	44.41	11.62	13.99
09-05-2018	12.14	35.07	7.92	16.57	27.31	60.62	10.44	9.56	13.39	59.37	4.58	37.48	19.07	37.57	10.66	12.89
10-05-2018	11.72	39.80	8.22	12.95	24.90	49.54	3.18	9.55	14.51	36.45	4.90	33.55	21.60	47.75	11.27	13.09
11-05-2018	10.43	30.91	8.36	6.55	20.73	36.52	4.89	9.31	12.10	37.01	4.77	27.98	30.27	52.19	11.44	11.00
12-05-2018	12.15	34.72	8.41	7.94	25.36	53.35	3.41	9.56	11.97	41.84	4.63	17.92	26.36	59.99	14.22	11.99
13-05-2018	13.78	45.24	8.97	10.93	26.21	53.63	5.04	9.58	12.24	39.00	4.73	25.07	24.64	55.42	14.63	13.38
14-05-2018	9.06	24.07	8.52	4.93	16.41	24.07	4.03	9.52	8.98	26.93	4.41	21.20	21.30	43.03	14.58	12.20
15-05-2018	10.14	34.43	8.77	10.29	14.38	29.07	3.86	9.57	10.75	23.12	4.98	36.30	17.18	35.64	12.36	12.47
16-05-2018	11.36	29.31	9.57	31.13	17.52	36.51	6.54	9.57	9.96	40.06	4.66	34.16	16.77	30.33	11.94	12.96
17-05-2018	10.61	39.15	8.58	6.83	23.85	53.78	6.51	9.56	11.61	45.33	4.19	26.88	19.01	42.62	10.81	11.59
18-05-2018	17.07	56.81	8.94	8.68	21.69	43.42	2.85	9.55	8.85	25.09	4.14	16.58	31.60	81.63	11.26	12.53
19-05-2018	12.11	48.24	8.74	10.46	22.14	49.49	3.64	9.49	7.47	25.50	4.00	14.98	33.90	96.64	10.55	11.86
20-05-2018	11.33	36.59	8.53	9.25	25.05	56.05	5.38	9.56	7.02	23.67	4.29	15.01	21.56	81.52	11.07	11.93
21-05-2018	11.41	46.33	9.91	9.00	20.88	47.86	4.92	9.56	5.97	22.69	4.43	12.86	50.35	74.32	11.38	12.77
22-05-2018	12.10	50.67	8.84	7.86	21.52	54.62	6.17	9.56	6.29	25.12	4.47	12.75	24.97	67.05	11.24	13.01
23-05-2018	14.46	48.43	8.63	16.32	26.71	59.43	4.29	9.56	8.02	29.17	4.51	17.04	32.38	63.23	10.31	13.26
24-05-2018	12.80	63.35	8.76	7.52	20.76	56.64	4.35	9.55	6.47	26.91	4.56	14.65	33.49	59.90	12.55	11.87
25-05-2018	9.07	28.07	8.19	12.56	19.52	52.01	10.41	9.51	5.84	31.51	4.82	16.43	28.72	42.50	12.05	11.68
26-05-2018	9.36	34.68	8.24	10.46	18.15	51.15	6.36	9.58	6.88	32.62	4.78	24.66	22.64	38.48	10.87	11.54
27-05-2018	7.81	26.20	8.36	8.29	18.71	30.51	1.92	9.50	5.20	19.31	4.85	18.03	25.24	45.50	10.34	11.91
28-05-2018	6.62	17.77	8.22	6.00	13.41	34.00	9.53	9.56	4.49	22.25	5.00	15.16	22.73	38.65	11.01	11.38
29-05-2018	5.64	14.41	8.05	7.80	16.14	26.91	4.83	9.56	4.30	15.59	5.13	11.92	30.08	55.78	11.54	12.11
30-05-2018	6.21	17.77	8.28	6.21	12.21	24.41	4.46	9.56	3.48	14.21	5.31	12.43	26.70	47.12	12.13	11.71
31-05-2018	10.06	35.16	8.75	11.92	19.13	48.80	4.53	9.57	7.68	25.28	5.15	12.91	32.65	64.53	10.45	11.60

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


Checked By 
V. M. Waghchaure
GM (Environment)

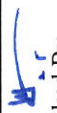
Month	Day Time	Night Time
May-18	62	61
Standards	< 75	< 70

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location Date	Near Kasumata Temple				Near Coke Oven Plant				Near MSEB Substation				Near Goa Gate				Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX
01-06-2018	12.18	43.30	8.63	35.40	21.50	54.53	4.30	9.57	5.58	21.03	5.15	14.85	23.60	57.26	12.22	11.92	15.70	46.50	4.00	5.05
02-06-2018	13.09	60.29	8.73	14.45	18.86	40.83	4.94	9.57	5.89	16.89	5.29	19.17	31.03	51.03	11.70	12.56	10.52	31.82	3.79	4.86
03-06-2018	9.98	33.75	8.98	14.31	14.83	19.82	5.09	9.56	18.68	29.45	6.73	14.54	27.79	39.60	11.34	12.35	10.00	33.73	3.75	6.66
04-06-2018	10.07	42.23	9.05	13.55	12.52	19.07	3.27	9.56	4.91	11.28	5.92	17.78	17.02	25.24	10.21	12.03	8.30	23.96	3.48	9.88
05-06-2018	10.58	28.60	8.73	18.63	13.42	32.25	4.49	9.45	6.11	17.22	6.14	21.27	20.31	26.68	10.29	11.93	9.83	25.68	3.75	9.88
06-06-2018	10.48	31.65	7.79	13.27	22.29	26.37	3.49	9.56	4.48	11.28	6.05	19.54	20.17	25.93	10.71	12.45	13.17	29.67	3.71	9.88
07-06-2018	12.22	93.62	7.11	28.48	13.53	20.15	4.57	9.58	3.69	7.86	6.42	18.51	14.59	22.74	10.54	12.37	8.20	16.67	3.84	9.88
08-06-2018	21.98	83.44	9.69	27.64	10.52	15.62	5.33	9.57	3.76	8.87	6.27	18.02	18.66	35.10	11.20	11.79	12.54	26.85	3.48	10.71
09-06-2018	18.78	60.64	16.55	30.57	9.85	23.15	4.10	9.55	2.13	5.05	6.16	15.71	7.49	32.92	11.45	11.42	14.00	28.32	3.17	5.32
10-06-2018	6.77	34.29	6.83	17.77	14.51	27.58	3.51	9.56	3.55	10.30	6.33	15.42	8.66	42.84	10.53	12.00	12.91	32.94	3.33	8.60
11-06-2018	6.23	15.95	6.43	8.32	15.51	30.79	3.96	9.56	3.59	13.34	6.39	14.97	8.60	41.06	11.27	12.21	34.39	94.39	3.56	6.68
12-06-2018	6.87	17.54	6.44	10.63	15.89	33.60	4.40	9.55	7.76	25.72	6.33	18.89	10.46	39.57	9.65	12.60	10.51	52.93	3.33	8.20
13-06-2018	7.74	19.82	6.56	4.42	15.53	36.92	5.56	9.55	7.26	30.93	6.40	26.05	18.14	40.84	10.51	11.38	23.16	97.31	3.42	5.98
14-06-2018	11.98	32.16	8.40	14.35	15.75	37.37	3.94	9.55	6.44	28.08	6.47	25.23	18.93	43.89	10.79	12.17	12.23	53.86	3.35	8.23
15-06-2018	13.49	60.74	10.33	14.54	13.76	30.29	3.64	9.57	7.04	24.67	6.48	26.80	11.62	38.71	10.25	12.63	14.54	37.83	3.37	8.70
16-06-2018	17.53	63.34	9.20	21.32	13.02	16.70	4.74	9.56	5.58	14.60	6.85	22.26	16.11	60.97	11.31	10.98	11.73	25.32	3.73	8.77
17-06-2018	12.67	59.20	7.79	22.87	11.99	17.82	4.00	9.55	4.28	10.40	6.83	18.68	17.02	89.79	12.16	10.97	9.78	21.01	3.62	9.08
18-06-2018	7.11	35.09	7.38	21.96	9.43	10.68	5.05	9.55	2.15	4.43	6.86	18.02	11.26	47.96	11.26	10.82	9.87	23.08	3.60	8.86
19-06-2018	10.56	20.07	7.49	8.21	9.56	15.48	5.18	9.55	3.15	10.07	6.76	17.94	12.66	42.61	11.20	12.00	15.59	35.73	3.63	9.29
20-06-2018	11.90	29.61	6.96	19.30	21.96	62.56	4.93	9.57	12.96	54.71	6.90	34.26	10.76	32.55	11.38	12.80	11.09	26.04	3.75	9.59
21-06-2018	17.65	74.09	7.77	39.59	20.07	49.80	4.52	9.58	9.82	35.34	7.07	36.56	20.11	31.83	11.70	11.63	12.28	27.43	3.57	9.94
22-06-2018	19.27	57.67	7.27	13.87	15.26	24.56	4.69	9.56	7.24	23.10	6.89	20.66	13.72	46.32	11.09	11.41	10.63	27.87	3.59	9.88
23-06-2018	12.22	44.93	8.30	23.95	14.00	69.73	4.23	9.50	5.20	10.48	7.00	21.31	10.23	19.49	11.48	11.65	10.90	15.43	3.40	10.63
24-06-2018	11.43	46.31	9.83	14.63	11.88	30.25	4.27	9.56	4.44	9.41	6.96	19.66	12.20	30.14	10.51	11.64	9.27	16.27	3.58	9.91
25-06-2018	9.01	24.36	8.02	23.46	13.48	26.35	4.93	9.56	7.55	22.54	6.95	21.62	13.53	26.48	12.14	13.11	11.66	24.05	3.68	10.38
26-06-2018	6.36	17.56	7.04	7.99	16.26	20.48	3.71	9.55	7.09	23.45	6.71	18.68	10.91	27.23	11.19	11.95	21.53	49.37	3.78	10.32
27-06-2018	6.38	16.84	7.34	4.17	15.78	36.54	4.76	9.46	6.28	25.66	6.98	17.68	10.97	25.72	11.00	11.81	25.37	57.08	3.13	10.37
28-06-2018	17.23	63.27	11.17	31.10	12.02	28.79	3.71	9.58	6.33	12.32	7.38	19.63	11.25	12.82	11.06	11.03	9.53	15.84	3.13	10.86
29-06-2018	14.22	74.63	10.74	20.95	10.73	34.71	3.56	9.58	5.49	15.38	7.38	20.41	14.19	11.18	11.80	11.58	12.32	27.21	3.79	10.58
30-06-2018	11.00	52.99	8.69	15.07	12.41	48.44	3.65	9.57	4.23	12.24	7.30	18.96	28.38	75.19	11.56	11.26	14.10	30.01	3.62	10.29
Month	Day Time	Night Time																		
Jun-18	62	61																		
Standards	< 75	< 70																		

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


Checked By
V. M. Waghchaure
GM (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location Date	Near Kasumata Temple			Near Coke Oven Plant			Near MSEB Substation			Near Goa Gate			Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX
01-07-2018	10.42	56.16	8.99	12.52	9.76	16.70	3.51	9.59	3.93	12.85	7.11	19.43	17.54	54.18	11.92	10.73
02-07-2018	12.99	69.37	5.68	17.26	8.29	63.47	4.57	9.57	3.17	6.60	7.19	18.37	18.59	39.64	11.77	10.80
03-07-2018	12.95	65.75	1.97	18.32	10.16	77.27	5.12	9.58	4.63	11.48	6.25	19.83	22.28	40.29	11.26	11.43
04-07-2018	8.59	42.54	1.99	12.40	12.73	14.53	5.31	9.57	4.26	12.12	5.66	17.53	8.73	10.85	11.50	11.11
05-07-2018	5.92	17.26	1.56	9.89	12.27	42.60	3.91	9.51	5.98	21.73	5.84	19.43	16.28	26.72	11.30	12.83
06-07-2018	7.22	15.56	0.99	19.47	16.05	28.03	4.51	9.43	8.65	28.26	6.26	20.20	19.86	40.54	11.33	11.73
07-07-2018	10.09	44.35	1.00	11.59	18.27	40.29	3.42	9.48					18.01	25.43	10.34	12.33
08-07-2018	9.30	46.52	1.69	11.97	20.95	32.38	4.35	9.61					12.72	14.27	11.15	11.48
09-07-2018	11.39	47.43	1.91	25.77	21.94	32.16	4.19	9.61					10.72	18.30	12.13	12.02
10-07-2018	9.42	39.17	1.37	12.48	18.80	26.15	4.09	9.60					15.13	23.01	11.43	12.59
11-07-2018	5.46	14.99	0.69	7.53	20.15	36.43	3.68	9.59					22.50	39.81	11.82	14.51
12-07-2018	5.20	15.02	0.57	7.03	20.29	34.21	4.07	9.59					16.18	40.00	11.38	16.58
13-07-2018	5.79	16.84	0.79	11.62	17.77	20.68	4.73	9.58					14.48	24.42	10.46	17.44
14-07-2018	7.12	19.44	0.65	10.27	20.80	34.03	2.54	9.57					21.45	42.63	12.63	17.14
15-07-2018	5.77	14.04	0.47	4.91	20.06	28.24	4.60	9.58					21.16	36.95	11.61	16.98
16-07-2018	5.78	15.21	0.44	7.83	22.39	30.68	5.31	9.57					16.78	29.01	11.06	16.33
17-07-2018	6.34	16.11	0.58	11.89	19.66	26.63	4.34	9.48					23.52	28.84	12.11	17.93
18-07-2018	5.77	15.89	0.78	14.69	22.31	25.38	4.56	9.58					21.09	25.51	11.61	16.58
19-07-2018	6.50	18.77	0.96	13.19	31.71	56.77	3.96	9.36					27.38	35.44	11.12	18.46
20-07-2018	5.22	17.12	3.34	19.74	18.72	19.23	4.11	9.57					20.19	24.51	11.60	18.44
21-07-2018	6.02	16.21	6.34	13.34	19.32	31.10	4.49	9.57					23.78	27.19	11.64	18.15
22-07-2018	5.55	15.33	5.77	8.61	32.50	30.45	4.24	9.51					26.37	35.27	12.26	17.86
23-07-2018	6.91	16.88	5.60	16.14	9.34	108.48	3.51	9.44					19.27	23.96	11.44	16.96
24-07-2018	5.83	16.65	6.08	40.66	15.84	23.79	4.82	9.47					18.51	17.87	12.00	16.82
25-07-2018	7.94	20.78	5.72	41.81	15.34	27.80	3.48	9.51					16.16	22.59	12.40	15.85
26-07-2018	4.38	13.16	5.91	10.08	15.88	31.92	3.03	9.52					16.57	20.86	11.20	14.83
27-07-2018	6.52	18.87	5.82	15.82	15.55	24.32	5.44	9.49					12.39	16.14	12.08	14.77
28-07-2018	8.33	22.10	5.79	26.76	24.98	33.51	4.54	9.48					13.75	18.05	12.12	15.22
29-07-2018	7.80	20.69	6.55	18.96	11.68	72.00	3.43	9.31					13.13	18.10	12.07	13.81
30-07-2018	8.53	19.98	6.26	38.53	16.75	21.85	4.76	9.51					10.87	12.35	12.12	6.61
31-07-2018	8.65	23.24	6.28	23.48	18.93	25.27	3.73	9.57					14.08	21.40	11.81	5.69
Month	Day	Night														
	Time	Time														
Standards	< 75	< 61														

Retouring of power supply

Checked By
V. M. Waghchaure
GM (Environment)

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


* Instrument under maintenance
** After maintenance instrument under stabilization

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location Date	Near Kasumata Temple				Near Coke Oven Plant				Near MSEB Substation				Near Goa Gate				Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX
01-08-2018	7.56	22.10	5.92	19.39	14.82	24.67	10.24	9.61	18.03	35.63	7.12	27.37	11.37	12.74	12.53	12.11	18.13	47.94	12.72	10.96
02-08-2018	5.90	24.97	5.48	19.66	21.98	25.84	11.20	8.09	12.92	24.95	5.94	28.95	15.82	18.40	14.85	12.54	17.90	51.54	10.92	10.88
03-08-2018	9.04	25.37	5.33	22.38	18.53	23.68	3.74	1.60	3.04	12.59	5.66	27.96	13.73	19.87	11.94	12.02	9.47	83.83	3.45	10.44
04-08-2018	6.89	20.27	5.57	25.19	15.73	18.20	5.43	3.97	30.03	46.86	9.74	25.93	15.55	24.11	11.40	12.77	15.82	33.48	11.37	11.71
05-08-2018	5.96	16.58	5.32	18.02	16.71	17.24	3.33	4.86	12.40	26.33	10.81	27.89	15.86	24.18	11.33	12.33	8.25	30.89	11.81	10.92
06-08-2018	5.54	15.20	5.29	18.03	11.31	15.56	2.73	3.87	5.50	16.95	5.51	27.36	12.52	22.34	10.19	13.45	19.27	40.75	11.73	10.94
07-08-2018	9.43	23.64	5.24	30.78	12.59	18.03	4.25	3.83	5.06	17.22	4.98	25.02	16.75	22.03	12.11	15.04	13.03	32.26	11.68	10.94
08-08-2018	8.41	21.50	4.22	29.76	10.97	19.74	5.70	3.84	4.33	16.38	4.68	24.64	20.28	28.86	11.92	16.27	15.11	36.85	11.85	10.94
09-08-2018	8.15	20.91	3.45	35.59	15.10	20.66	3.61	5.59	4.22	16.33	5.13	23.54	20.86	30.59	8.72	26.23	10.30	30.42	12.52	10.90
10-08-2018	9.26	22.98	3.65	28.16	15.67	21.33	5.73	3.96	4.34	14.72	5.12	22.53	16.63	25.25	11.76	6.16	6.96	18.16	11.60	10.49
11-08-2018	8.16	21.08	3.49	31.07	11.00	16.53	4.36	11.83	4.16	13.35	4.99	21.48	17.09	31.19	12.15	6.02	5.63	13.85	10.82	11.83
12-08-2018	6.96	17.35	3.29	28.53	11.56	16.06	4.36	7.85	3.63	13.18	5.05	19.79	14.93	25.61	12.14	6.02	21.82	36.52	10.81	10.97
13-08-2018	5.25	14.69	3.26	16.76	12.38	16.25	3.56	4.13	3.38	14.60	5.08	19.43	15.45	22.58	11.43	6.15	9.12	15.86	11.41	11.01
14-08-2018	10.07	23.68	3.38	36.97	12.95	21.02	3.72	3.89	5.18	18.62	5.42	20.39	20.00	37.62	10.99	6.16	6.00	18.08	11.78	10.98
15-08-2018	10.53	28.47	3.58	41.92	11.45	24.93	4.42	3.90	6.89	21.70	5.94	22.04	20.36	37.96	11.15	6.16	6.56	15.31	11.98	10.93
16-08-2018	25.12	49.14	4.50	27.57	13.45	25.46	4.91	3.89	8.80	24.74	6.42	28.17	25.84	56.02	12.83	6.16	6.23	11.94	11.71	10.93
17-08-2018	23.40	36.61	4.19	40.64	14.47	20.00	4.75	3.90	5.28	18.01	6.17	26.11	18.80	33.38	12.97	6.16	8.09	19.28	11.81	10.93
18-08-2018	9.51	22.68	4.02	48.90	46.95	62.35	4.75	3.89	7.52	16.61	6.19	23.92	15.47	22.47	13.28	6.16	9.69	23.30	11.68	10.93
19-08-2018	11.09	29.26	3.80	48.88	12.02	20.51	4.33	3.89	4.53	15.65	5.83	21.94	18.60	30.76	11.89	6.16	7.64	16.72	11.71	10.95
20-08-2018	5.80	30.19	3.78	40.43	24.25	35.48	3.45	3.91	3.62	8.54	5.92	24.15	14.59	20.82	12.33	6.16	6.68	18.88	11.89	10.94
21-08-2018	8.69	24.98	4.14	39.68	11.06	15.64	3.71	3.94	4.19	8.22	6.33	30.38	13.51	18.75	11.26	6.16	7.36	23.92	11.72	10.95
22-08-2018	6.55	22.09	4.74	40.55	32.14	50.84	5.60	3.93	28.16	36.80	7.21	44.39	9.85	13.07	12.23	6.02	20.45	37.70	12.70	10.94
23-08-2018	7.15	18.71	3.94	33.84	18.94	32.23	4.52	3.90	7.07	15.16	7.05	29.78	9.26	18.25	11.59	6.03	26.51	57.19	8.63	10.89
24-08-2018	9.10	33.68	4.88	42.98	14.35	18.97	4.48	3.95	12.81	20.97	6.93	36.24	10.01	17.10	12.07	6.16	8.04	21.65	11.37	11.20
25-08-2018	8.83	25.10	4.63	31.81	13.34	16.84	3.48	3.88	5.92	15.80	6.48	32.22	9.51	16.67	12.22	6.15	15.32	35.69	11.16	11.12
26-08-2018	10.94	33.51	4.31	22.32	15.14	20.45	5.46	3.87	4.33	11.83	6.89	31.79	9.32	13.96	13.03	6.16	12.93	30.61	11.33	11.08
27-08-2018	13.47	65.56	7.46	30.00	19.17	30.74	5.03	3.97	7.78	20.77	6.92	35.20	14.11	20.71	12.26	6.02	5.42	16.23	11.06	11.03
28-08-2018	15.87	72.73	5.94	26.40	15.70	31.56	4.18	3.95	8.28	18.11	6.79	38.13	12.19	20.20	11.42	6.16	11.58	25.56	11.30	11.00
29-08-2018	16.60	70.48	8.85	30.86	40.39	50.67	2.19	3.98	9.16	20.25	6.76	44.26	11.85	19.70	12.10	6.16	6.98	24.01	11.72	10.97
30-08-2018	9.39	21.93	4.27	40.71					6.18	20.01	7.35	40.13	11.06	34.48	11.78	6.16	4.53	21.43	11.49	10.98
31-08-2018	16.40	73.77	7.03	26.11	Communication Problem				12.31	25.43	7.36	27.41	15.53	27.90	10.44	6.16	6.45	20.26	11.42	11.00
Month	Day	Night	Time	Time																
Aug-18	62	61																		
Standards	< 75	< 70																		

Prepared By 
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Asst. Manager (Environment)

Checked By 
V. M. Waghchaure
GM (Environment)

* Instrument under maintenance


** After maintenance instrument under stabilization

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple				Near MSEB Substation				Near Goa Gate				Near Dolvi Village			
	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX	PM2.5	PM10	SO2	NOX
01-09-2018	11.70	48.50	5.80	53.50	21.30	39.10	6.60	29.90	1.60	19.90	12.10	6.20	9.30	31.40	11.30	11.00
02-09-2018	4.30	16.60	4.40	9.20	4.70	15.20	6.10	26.50	11.00	16.90	11.70	6.20	14.00	41.60	11.30	11.00
03-09-2018	7.30	22.50	5.50	14.50	5.20	38.90	6.00	28.50	14.80	22.70	11.20	6.20	5.50	26.10	11.30	11.00
04-09-2018	7.40	28.30	6.00	16.60	6.70	14.90	6.00	29.60	15.10	29.50	1.80	6.20	9.10	29.10	11.40	10.90
05-09-2018	18.30	64.50	5.60	32.80	8.60	76.80	6.40	38.00	19.90	37.70	11.70	6.20	6.10	23.30	11.70	11.00
06-09-2018	17.20	88.00	6.90	33.40	8.10	55.60	6.50	38.60	18.50	36.70	11.90	6.20	13.00	28.90	11.30	10.90
07-09-2018	18.00	108.50	6.60	34.10	5.90	20.00	6.30	31.90	1.40	2.60	11.50	6.20	6.20	22.50	11.40	11.00
08-09-2018	15.10	97.90	5.70	36.50	6.70	24.70	6.10	29.50	1.50	25.20	11.30	6.20	7.00	28.80	11.30	11.00
09-09-2018	13.70	80.30	5.70	21.50	7.50	27.00	6.00	29.70	11.60	18.30	12.30	6.20	6.40	29.20	11.30	11.00
10-09-2018	11.60	47.80	5.60	24.50	8.50	26.50	6.20	33.30	12.60	28.70	11.90	6.20	5.70	22.00	11.30	10.90
11-09-2018	13.90	50.80	5.60	26.80	12.40	39.60	6.20	38.70	11.80	21.50	12.00	6.20	5.40	18.30	11.50	11.00
12-09-2018	15.40	71.60	5.80	29.50	10.20	31.80	6.00	36.90	11.80	21.30	11.80	6.20	5.10	15.90	11.50	10.90
13-09-2018	12.00	72.00	5.60	28.10	6.00	16.60	5.80	30.30	1.70	23.00	12.50	6.20	6.10	24.00	11.70	6.70
14-09-2018	17.20	98.10	6.80	41.40	7.50	20.10	6.10	31.60	12.60	26.60	11.40	6.20	6.30	20.40	11.00	2.60
15-09-2018	8.90	38.70	5.20	50.10	4.60	13.60	6.10	28.80	9.80	18.90	11.60	6.20	5.80	18.50	11.10	10.90
16-09-2018	9.30	22.90	5.10	32.50	12.20	36.20	6.20	45.00	11.20	17.00	11.50	6.20	5.90	16.90	11.40	10.90
17-09-2018	16.70	54.80	5.50	23.00	8.10	24.80	6.40	39.40	11.40	17.00	11.50	6.20	6.60	17.10	11.50	10.90
18-09-2018	13.90	56.60	6.30	43.00	11.80	34.30	6.60	39.70	17.90	28.80	11.50	6.20	6.10	23.10	11.50	6.10
19-09-2018	14.70	58.60	5.70	35.80	13.10	25.80	6.60	35.00	17.30	19.60	1.50	6.20	5.30	19.20	11.50	0.00
20-09-2018	12.60	31.40	4.90	34.30	19.80	56.90	6.80	35.10	17.70	25.20	1.80	6.20	7.70	18.80	11.70	7.80
21-09-2018	15.60	37.60	5.00	33.20	19.60	42.90	6.60	23.10	23.30	34.30	11.00	6.20	8.80	28.70	11.60	11.00
22-09-2018	15.40	78.40	5.90	22.70	11.20	29.20	6.30	16.20	19.80	32.90	1.60	5.90	7.80	33.70	11.70	10.70
23-09-2018	15.20	79.10	5.70	21.00	16.80	33.10	6.40	24.40	19.10	26.30	9.60	6.20	2.50	1.60	12.80	4.70
24-09-2018	15.40	49.70	5.50	22.80	15.90	36.10	6.30	27.10	17.50	26.20	13.90	6.20	14.60	39.30	11.70	9.80
25-09-2018	18.10	56.10	5.80	38.00	19.80	35.90	6.90	61.20	18.00	28.90	9.90	6.20	8.50	28.00	11.50	7.80
26-09-2018	16.20	52.80	5.40	27.20	20.90	38.00	6.90	65.80	19.20	31.60	11.30	6.20	7.10	26.30	11.70	7.10
27-09-2018	19.00	78.20	6.50	37.50	17.60	33.50	7.80	45.00	17.60	29.60	1.30	6.20	8.40	24.60	11.40	8.50
28-09-2018	19.40	80.30	5.10	28.80	18.60	36.50	7.60	23.00	18.60	21.80	11.10	6.20	8.10	21.10	11.50	8.50
29-09-2018	23.50	112.00	5.70	31.90	22.40	43.70	7.30	24.90	24.20	26.40	9.10	6.20	8.80	21.80	11.30	8.50
30-09-2018	27.80	103.70	6.50	38.40	20.90	46.70	6.90	23.30	28.50	35.10	9.80	6.20	10.30	28.60	11.50	8.50

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Month	Day Time	Night Time
Sep-18	62	61
Standards	< 75	< 70

* Instrument under maintenance
** After maintenance instrument under stabilization

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	23/04/2018	1499.28	13.78	18.52
		18/05/2018	2272.68	10.39	5.56
		18.06.2018	110.98	8.90	4.60
		23/07/2018	794.27	12.42	8.62
		23/08/2018	1847.29	2.37	19.09
		25/09/2018	1046.40	2.37	19.12
2	Near Secondary Coal Crusher Area	23/04/2018	917.22	12.82	16.28
		18/05/2018	2489.75	8.22	3.28
		18.06.2018	108.00	9.92	6.20
		21/07/2018	748.81	11.32	7.92
		23/08/2018	199.52	2.81	20.37
		25/09/2018	1270.93	2.81	20.35
3	Near Coke Oven Battery A Warf Area	23/04/2018	512.59	14.26	16.24
		18/05/2018	519.32	9.93	6.32
		18.06.2018	793.93	10.20	7.20
		21/07/2018	228.06	9.62	6.84
		23/08/2018	253.58	2.81	20.99
		25/09/2018	1077.67	2.81	20.99
4	Near Coke Oven Battery B Warf Area	23/04/2018	1488.60	12.72	14.28
		18/05/2018	1051.31	9.03	3.06
		18.06.2018	329.08	7.89	4.60
		21/07/2018	332.82	10.24	6.56
		24/08/2018	191.78	2.59	19.71
		25/09/2018	553.57	2.59	19.71
5	Near Coke Cutter Area	23/04/2018	920.80	13.22	18.08
		19/05/2018	639.93	8.22	5.60
		18.06.2018	133.83	11.20	6.80
		21/07/2018	95.17	8.62	5.43
		24/08/2018	130.09	3.02	20.32
		25/09/2018	1234.06	3.02	20.32
6	Near Coke Screening Area	23/04/2018	381.44	14.82	18.36
		19/05/2018	1122.04	7.96	7.45
		18.06.2018	189.16	9.80	7.80
		21/07/2018	202.38	9.36	6.24
		24/08/2018	160.14	3.88	22.81
		25/09/2018	1500.19	3.88	22.81
7	Near Sulphur Recovery Area	23/04/2018	111.69	12.42	15.12
		19/05/2018	563.04	8.93	3.48
		18.06.2018	143.27	7.90	6.30
		23/07/2018	84.01	7.84	4.92
		24/08/2018	88.36	3.66	22.79
		25/09/2018	172.28	3.67	22.81
B Pellet Plant					
CPCB Norms ($\mu\text{g}/\text{m}^3$)			3000	200	150
1	Near Mixer Building Area	24/04/2018	1485.80	12.32	14.68
		21/05/2018	1368.10	6.50	3.20
		19.06.2018	125.31	9.20	6.80
		19/07/2018	854.26	9.86	7.20
		25/08/2018	743.71	2.59	20.37
		26/09/2018	845.00	2.59	20.35
2	Near Bentonite Storage Area	24/04/2018	1237.50	14.86	18.24
		19/05/2018	455.87	8.83	5.20
		19.06.2018	702.84	8.80	6.90
		19/07/2018	387.90	8.46	6.54
		25/08/2018	474.58	3.45	22.17
		26/09/2018	528.72	3.45	22.20

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3	Near Additive Ball Mill Area	24/04/2018	543.31	14.68	15.84
		21/05/2018	683.00	9.03	6.20
		19.06.2018	132.58	11.20	7.80
		19/07/2018	27.46	6.56	4.28
		25/08/2018	182.47	3.03	20.37
		26/09/2018	1195.48	3.02	20.32
4	Near Ball Mill Area	24/04/2018	288.65	14.84	18.22
		21/05/2018	380.44	7.96	3.20
		19.06.2018	1163.33	7.89	6.90
		19/07/2018	131.41	8.38	6.52
		25/08/2018	188.35	3.04	21.07
		26/09/2018	546.11	3.02	20.97
5	Near Indurating Machine	24/04/2018	718.12	14.28	18.56
		22/05/2018	1343.35	10.30	9.80
		19.06.2018	209.36	9.80	7.80
		19/07/2018	367.64	9.24	7.46
		27/08/2018	441.13	3.24	21.58
		26/09/2018	770.74	3.24	21.58
6	Near Hearth Layer Area	24/04/2018	1056.62	15.40	17.78
		22/05/2018	2358.42	9.83	10.20
		19.06.2018	317.44	10.20	9.80
		19/07/2018	249.10	8.68	7.92
		27/08/2018	305.94	3.46	22.23
		26/09/2018	1296.30	3.45	22.17
7	Near Product Storage Area	24/04/2018	1354.87	12.84	16.26
		22/05/2018	1239.49	12.84	16.26
		19.06.2018	598.66	9.80	10.50
		21/07/2018	811.08	9.62	8.72
		27/08/2018	835.61	3.24	22.20
		27/09/2018	1705.11	3.24	22.20

C. WATER POLLUTION STATUS:

Water Consumption/tonne of product produced :

Water Consumption / MT of Coke Produced : 1.875 M³/MT, from April., 2018 to Sept., 2018 (For COP only).

Water Consumption / MT of Pellet Produced : 0.136 M³/MT, April., 2018 to Sept., 2018 (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., 2018 to Sept., 2018	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, except pH & Temp.)				
				Temp. (°C)	pH	TSS	D.O.	C.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, except pH & Temp.)				Remark
			Temp. (°C)	pH	TSS	BOD	
From April., 2018 to Sept., 2018	BOD Plant	After treatment 100 % quantity used for coke-quenching or gardening.					All septic tank water Connected to BOD Plant

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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 Apr., 2018 to Sept, 2018	Method of reuse / disposal
1	Coke Oven Plant	Coke Breeze, Coke & Coal Dust	5413.7	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	9605	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
2		16.54	Impure Sulphur Paste (Category No. 34.3)	Sold to Authorised Party for Disposal
3		39.06	Decanter Sludge (Category No. 13.3)	100 % Reused in Coke Oven process
4	Pellet Plant	Nil	Used oil (Category No. 5.1)	NA


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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(06:00 am to 10:00 pm)	Night(10:00 pm to 06:00 am)
A Coke Oven Plant						
1	Near Coke Oven -Battery Pushing side	5	**	13-04-2018	85	84
				27-04-2018	86	85
				10-05-2018	84	83
				22-05-2018	85	84
				15-06-2018	85	84
				27-06-2018	84	83
				13-07-2018	86	85
				27-07-2018	85	84
				08-08-2018	87	86
				22-08-2018	86	85
				12-09-2018	87	85
				26-09-2018	86	84
2	Near Coke Oven -Battery Coke side	5	**	13-04-2018	86	85
				27-04-2018	87	86
				10-05-2018	87	86
				22-05-2018	86	85
				15-06-2018	88	87
				27-06-2018	85	84
				13-07-2018	85	85
				27-07-2018	84	83
				08-08-2018	86	84
				22-08-2018	85	85
				12-09-2018	85	85
				26-09-2018	84	85
3	Near Coke cutter/coke screening area	5	**	13-04-2018	88	87
				27-04-2018	86	85
				10-05-2018	87	86
				22-05-2018	87	85
				15-06-2018	88	87
				27-06-2018	89	88
				13-07-2018	86	85
				27-07-2018	85	84
				08-08-2018	85	84
				22-08-2018	86	85
				12-09-2018	87	86
				26-09-2018	86	85
4	Near BOD Plant area	5	**	13-04-2018	85	84
				27-04-2018	84	83
				10-05-2018	86	85
				22-05-2018	85	84
				15-06-2018	87	86
				27-06-2018	85	84
				13-07-2018	86	85
				27-07-2018	85	84
				08-08-2018	85	84
				22-08-2018	86	85
				12-09-2018	85	84
				26-09-2018	84	83


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5	Near Coke Oven Main office Area	5	**	13-04-2018	82	81
				27-04-2018	80	79
				10-05-2018	83	82
				22-05-2018	81	80
				15-06-2018	84	83
				27-06-2018	82	81
				13-07-2018	84	82
				27-07-2018	84	80
				08-08-2018	85	84
				22-08-2018	86	85
				12-09-2018	85	84
				26-09-2018	83	81
6	Near Coal blending Area	5	**	13-04-2018	85	84
				27-04-2018	83	82
				10-05-2018	84	83
				22-05-2018	83	82
				15-06-2018	85	83
				27-06-2018	84	82
				13-07-2018	84	84
				27-07-2018	88	82
				08-08-2018	84	83
				22-08-2018	89	87
				12-09-2018	84	85
				26-09-2018	87	83
7	Near Ammonia scrubber Area	5	**	13-04-2018	88	87
				27-04-2018	86	85
				10-05-2018	89	86
				22-05-2018	85	84
				15-06-2018	90	88
				27-06-2018	86	85
				13-07-2018	88	84
				27-07-2018	87	86
				08-08-2018	88	86
				22-08-2018	86	85
				12-09-2018	87	86
				26-09-2018	86	85
8	Near Secondary Crusher Area	5	**	13-04-2018	85	84
				27-04-2018	87	86
				10-05-2018	84	83
				22-05-2018	86	85
				15-06-2018	85	84
				27-06-2018	88	86
				13-07-2018	85	84
				27-07-2018	86	85
				08-08-2018	85	84
				22-08-2018	84	83
				12-09-2018	86	85
				26-09-2018	84	84
B. Pellet Plant						
1	Near Ball Mill Area	5	**	13-04-2018	86	85
				27-04-2018	85	84
				10-05-2018	87	86
				22-05-2018	86	85
				15-06-2018	89	88
				27-06-2018	87	86
				13-07-2018	89	87
				27-07-2018	87	86
				08-08-2018	89	88
				22-08-2018	87	85
				12-09-2018	90	88
				26-09-2018	88	87

2	Near Additive Ball Mill Area	5	**	13-04-2018	87	86
				27-04-2018	86	85
				10-05-2018	86	84
				22-05-2018	85	84
				15-06-2018	85	84
				27-06-2018	86	85
				13-07-2018	86	85
				27-07-2018	86	85
				08-08-2018	86	86
				22-08-2018	86	85
				12-09-2018	87	86
				26-09-2018	87	85
3	Near Main ESP	5	**	13-04-2018	91	90
				27-04-2018	89	88
				10-05-2018	90	89
				22-05-2018	89	88
				15-06-2018	91	90
				27-06-2018	88	87
				13-07-2018	90	88
				27-07-2018	88	87
				08-08-2018	90	88
				22-08-2018	88	88
				12-09-2018	89	87
				26-09-2018	88	86
4	Near Product Storage Area	5	**	13-04-2018	84	83
				27-04-2018	85	84
				10-05-2018	85	84
				22-05-2018	86	85
				15-06-2018	86	85
				27-06-2018	88	87
				13-07-2018	87	86
				27-07-2018	89	87
				08-08-2018	87	86
				22-08-2018	89	87
				12-09-2018	88	85
				26-09-2018	87	86
5	Near Indurating area	5	**	13-04-2018	89	88
				27-04-2018	88	87
				10-05-2018	90	89
				22-05-2018	87	86
				15-06-2018	91	89
				27-06-2018	88	85
				13-07-2018	89	88
				27-07-2018	87	87
				08-08-2018	89	87
				22-08-2018	87	86
				12-09-2018	88	87
				26-09-2018	86	85

6	Near Hearth Layer Area	5			**	13-04-2018	86	85
						27-04-2018	86	84
						10-05-2018	85	84
						22-05-2018	86	85
						15-06-2018	86	85
						27-06-2018	85	84
						13-07-2018	88	86
						27-07-2018	86	85
						08-08-2018	88	86
						22-08-2018	86	84
						12-09-2018	87	87
						26-09-2018	86	85


- ** Wherever possible, all noise creating equipments have been provided with in-built acoustic system by the manufacturer.
- Personnels expose to higher noise level are provided with Hearing Protection equipments. Exposure time to high noise level is very less.


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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 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	Coke Oven Plant (1 MTPA) Format 1.0/BO/CAC - Cell/ UAN No. 0000024004 - 17 / CAC - 1803000008 dated 01/03/2018	01/06/2017	31-05-2022
2		Pellet Plant (4 MTPA) Format 1.0/BO/CAC-Cell/EIC NO:-RD- 3100-15/CAC/CAC-11087 dated 21/08/2015	01-07-2015	30/06/2018(Application submitted to MPCB for renewal on 24/03/2018. CTO A waited)


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