

October, 18 2017

ARCL/ENV/MoEF & CC/2017

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, 2017 to September 2017.

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, 2017 to September 2017 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

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

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD)	Flow rate of the flue gas m/sec	Parameters mg/Nm ³				
									Particulate Matter (PM)	SO ₂	NO _x	CO	
3	Main ESP	Induration Furnace	100	6.25	ESP	17/04/2017, 10:50 Hrs.	12659	14.91	13.28	NA	NA	NA	NA
						27/05/2017, 11:30 Hrs.	12763	14.48	11.76	<1	<0.1	NA	
						21/06/2017, 11:05 Hrs.	12149	11.98	6.27	<1	<0.1	NA	
						18/07/2017, 10:40 Hrs.	11403	11.93	3.24	<1	<0.1	NA	
						11/08/2017, 10:50 Hrs.	11281	11.96	6.68	<1	<0.1	NA	
						25.09.2017, 13:30 Hrs.	11782	10.31	12.85	5.9	<0.1	NA	
						18/04/2017, 16:10 Hrs.	12821	9.14	24.57	NA	NA	NA	
4	Dedusting 4	Hearth Layer	30.5	1.35	Bag Filters	27/05/2017, 13:10 Hrs.	12763	10.90	20.67	<1	<0.1	NA	
						22/06/2017, 10:20 Hrs.	11901	10.30	12.10	<1	<0.1	NA	
						19/07/2017, 10:28 Hrs.	11689	10.38	8.69	<1	<0.1	NA	
						12/08/2017, 10:15 Hrs.	11291	10.63	12.21	<1	<0.1	NA	
						25.09.2017, 15:40 Hrs.	11782	7.56	22.87	<1	<0.1	NA	
						17/04/2017, 16:20 Hrs.	12569	11.97	26.54	NA	NA	NA	
5	Dedusting 5	Final Product Silo	30.5	2.00	Bag Filters	27/05/2017, 14:10 Hrs.	12763	12.08	22.76	<1	<0.1	NA	
						22/06/2017, 11:50 Hrs.	11901	9.67	13.25	<1	<0.1	NA	
						22/07/2017, 11:40 Hrs.	11626	9.92	7.80	<1	<0.1	NA	
						12/08/2017, 11:45 Hrs.	11291	10.24	13.8	<1	<0.1	NA	
						25.09.2017, 16:45 Hrs.	11782	7.81	25.34	9.6	<0.1	NA	
CPCB Norms								<150	<100	<500	<1		

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	17/04/2017, 10:50 Hrs.	12659	14.91	13.28	NA	NA	NA	NA				
						27/05/2017, 11:30 Hrs.	12763	14.48	11.76	<1	<0.1	NA					
						21/06/2017, 11:05 Hrs.	12149	11.98	6.27	<1	<0.1	NA					
						18/07/2017, 10:40 Hrs.	11403	11.93	3.24	<1	<0.1	NA					
						11/08/2017, 10:50 Hrs.	11281	11.96	6.68	<1	<0.1	NA					
						25.09.2017, 13:30 Hrs.	11782	10.31	12.85	5.9	<0.1	NA					
						18/04/2017, 16:10 Hrs.	12821	9.14	24.57	NA	NA	NA					
						27/05/2017, 13:10 Hrs.	12763	10.90	20.67	<1	<0.1	NA					
						22/06/2017, 10:20 Hrs.	11901	10.30	12.10	<1	<0.1	NA					
						19/07/2017, 10:28 Hrs.	11689	10.38	8.69	<1	<0.1	NA					
4	Dedusting 4	Hearth Layer	30.5	1.35	Bag Filters	12/08/2017, 10:15 Hrs.	11291	10.63	12.21	<1	<0.1	NA	NA				
						25.09.2017, 15:40 Hrs.	11782	7.56	22.87	<1	<0.1	NA					
						17/04/2017, 16:20 Hrs.	12569	11.97	26.54	NA	NA	NA					
						27/05/2017, 14:10 Hrs.	12763	12.08	22.76	<1	<0.1	NA					
						22/06/2017, 11:50 Hrs.	11901	9.67	13.25	<1	<0.1	NA					
						22/07/2017, 11:40 Hrs.	11626	9.92	7.80	<1	<0.1	NA					
						12/08/2017, 11:45 Hrs.	11291	10.24	13.8	<1	<0.1	NA					
						25.09.2017, 16:45 Hrs.	11782	7.81	25.34	9.6	<0.1	NA					
						CPCB Norms								<150	<100	<500	<1
						5	Dedusting 5	Final Product Silo	30.5	2.00	Bag Filters	17/04/2017, 16:20 Hrs.	12569	11.97	26.54	NA	NA
27/05/2017, 14:10 Hrs.	12763	12.08	22.76	<1	<0.1							NA					
22/06/2017, 11:50 Hrs.	11901	9.67	13.25	<1	<0.1							NA					
22/07/2017, 11:40 Hrs.	11626	9.92	7.80	<1	<0.1							NA					
12/08/2017, 11:45 Hrs.	11291	10.24	13.8	<1	<0.1							NA					

**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
01-04-2017	16.44	44.77	5.62	14.27	21.14	35.32	4.81	7.72	18.18	45.23	8.04	13.45	52.67	3.1	39.19	15.63	64.79	3.96	7.37	
02-04-2017	18.38	72.1	3.91	12.63	25.37	37.7	6.36	7.74	16.1	46.4	8.28	13.29	47.8	3.45	37.84	15.26	56.67	4.05	7.36	
03-04-2017	13.73	42.48	4.74	14.68	22.32	42.04	5.82	7.73	14.98	39.05	8.03	15.15	63.8	3.37	22.78	14.45	60.58	3.78	7.36	
04-04-2017	15.81	56.16	5.19	19.47	17.06	25.66	4.51	7.72	11.29	26	7.75	9.08	46.52	3.63	16.25	15.35	72.88	4.32	7.38	
05-04-2017	18.03	68.87	3.85	35.01	18.24	27.05	4.39	7.72	11.71	29.61	7.45	6.00	40.62	3.23	14.34	15.09	62.35	3.75	7.34	
06-04-2017	17.63	69.15	3.49	20.08	18.11	30.67	5.3	7.71	11.57	32.98	7.51	6.13	56.81	4.28	19.11	16.42	57.18	3.7	7.39	
07-04-2017	23.55	70	5.58	24.06	40.42	94.83	6.75	7.69	24.99	88.31	7.64	12.82	76.14	3.46	19.28	22.97	89.58	3.49	7.35	
08-04-2017	27.99	88.08	4.93	23.63	52.86	92.53	5.86	7.73	32.77	103.75	7.55	14.07	92.15	3.65	16.65	31.04	90.85	4.11	7.08	
09-04-2017	38.68	94.65	5.00	26.38	57.83	91.42	5.97	7.74	44.97	108.09	8.07	19.43	98.56	2.31	19.87	32.7	94.95	4.21	7.33	
10-04-2017	38.44	117.6	5.39	24.51	42.74	93.85	6.61	7.71	35.88	82.21	7.74	12.63	88.72	2.01	14.5	29.7	92.99	4.02	7.35	
11-04-2017	26.8	66.27	4.48	21.39	36.47	78.35	4.44	7.71	30.62	68.77	7.75	11.15	85.98	2.2	13.1	26.84	96.81	4.04	7.34	
12-04-2017	24.06	67.4	5.43	22.19	30.39	61.26	5.89	7.71	25.99	59.35	8.16	11.95	61.48	1.95	16.28	19.22	74.08	3.99	7.32	
13-04-2017	28.26	74.33	4.35	24.24	34.24	64.38	5.37	7.76	28.94	57.05	8.09	11.3	83.74	3.06	12.9	28.63	84.35	3.83	7.1	
14-04-2017	21.11	56	4.31	22.85	25.59	44.63	5.01	7.75	23.23	44.5	7.68	8.25	62.83	1.94	12.38	20.4	80.8	3.82	7.33	
15-04-2017	17.37	50.38	4.74	20.49	22.23	39.72	4.44	8.06	17.25	37.27	7.71	6.44	50.84	7.92	11.62	14.14	54.27	3.7	7.29	
16-04-2017	15.33	40.86	4.64	24.44	21.82	47.14	4.32	7.75	19.03	53.58	7.63	11.81	47.45	5.21	10.62	14.55	62.8	3.83	7.33	
17-04-2017	16.66	53.09	4.2	18.13	20.47	30.92	5.69	6.97	16.23	36.18	7.79	8.92	44.84	4.73	11.58	16.41	59.34	4.13	7.32	
18-04-2017	16.8	53.9	4.81	28.87	31.14	93.25	7.29	5.7	19.1	70.03	7.96	13.99	50.16	5.57	11.92	13.69	56.33	3.92	7.31	
19-04-2017	14.77	46.04	4.18	36.75	27.83	50.37	6.63	5.64	14.73	38.55	8	12.86	50.73	5.79	11.98	12.03	47.97	3.9	7.74	
20-04-2017	15.28	51.36	4.74	18.87	17.51	28.38	3.47	5.36	11.68	27.54	8.01	8.63	48.81	6.1	11.46	15.6	64.59	3.68	8.08	
21-04-2017	15.02	55.12	3.68	15.12	15.52	23.83	3.61	5.81	10.86	24.1	8.16	4.47	44.79	6.03	3.71	13.05	84.03	4.09	8.00	
22-04-2017	16.02	61.85	4.21	16.68	15.44	22.24	3.15	5.82	12.78	23.61	8.21	4.05	43.47	4.97	6.9	14.84	62.7	3.9	8.07	
23-04-2017	17.26	58.54	3.86	18.05	19.5	34.77	4.07	5.81	14.14	29.91	8.09	4.29	44.86	5.88	7.45	14.16	56.96	3.92	8.1	
24-04-2017	17.12	59.76	3.85	18.07	22.12	36.47	5.6	5.8	16.77	38.4	8.68	5.5	50.85	6.34	7.54	16.15	62.14	4.11	8.05	
25-04-2017	26.33	86.49	4.85	28.12	31.14	64.63	6.25	5.8	22.69	67.66	8.38	9.75	58.06	5.48	8.1	15.62	67.12	3.91	8.07	
26-04-2017	18.92	68.47	3.55	35	34.82	80	5.54	5.8	23.83	70.98	8.36	11.54	65.41	4.18	7.88	19.33	73.12	4.26	8.05	
27-04-2017	18.2	49.18	3.25	17.25	30.45	70.29	5.42	5.8	19.02	48.03	8.27	8.68	52.32	5.53	7.11	13.05	65.24	4.04	8.05	
28-04-2017	13.38	38.4	3.23	21.97	27.05	56.5	5.31	5.8	18.63	58.97	8.41	10.98	42.69	4.96	7.9	10.89	48.85	4.06	8.07	
29-04-2017	17.13	48.2	3.16	18.8	21.99	32.26	4.46	5.8	16.01	57.53	8.21	11.8	42.24	5.41	8.14	11.92	50.23	4.16	7.81	
30-04-2017	16.48	60.19	3.77	16.26	15.77	32.38	4.14	5.8	12.99	35.75	8.26	8.48	40.03	5.61	7.61	13	28.78	3.9	7.93	

System Under Maintenance

Ambient Noise Level in Leq dB(A): at the boundary line of the plant

Month	Day Time	Night Time
Apr-17	61	59
Standards	< 75	< 70

Prepared By
A.V.Shikhare *f. Shikare*
Asst. Manager (Environment)

W. M. Waghchaure
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	PM2.5	PM10	SO2	NOX
01-05-2017	19.12	64.44	4.08	19.27	23.4	52.75	4.44	5.8	18.38	55.83	8.39	9.16	20.23	47.18	4.65	7.73	14.64	36.63	4.02	13.78
02-05-2017	14.05	36.34	3.26	14.89	20.17	37.24	4.67	5.8	16.1	37.04	8.28	6.46	21.52	46.46	5.51	8.17	14.19	35.78	4.2	7.99
03-05-2017	19.34	70.48	3.99	16.84	19.64	47.17	4.24	5.89	16.79	64.03	8.34	9.13	16.63	44.29	5.26	7.94	14.26	59.1	4.03	8.02
04-05-2017	14.96	45.27	3.2	14.69	17.53	40.79	3.75	6.1	16.27	40.28	8.7	15.17	26.25	55.55	6.59	21.42	12.29	58.83	3.88	8.01
05-05-2017	20.76	46.9	3.45	39.67	20.84	34.99	3.24	6.11	17.9	47.07	8.63	6.56	30.54	62.37	5.59	29.42	17.97	63.68	3.96	8.03
06-05-2017	15.73	37.79	3.22	13.82	18.64	31.59	1.43	6.11	17.58	35.89	8.55	4.64	28.53	50.56	4.54	21.17	14.44	56.83	4.19	8.04
07-05-2017	15.69	43.59	3.66	15.82	16.59	26.46	1.56	6.11	13.63	33.33	8.53	5.21	36.52	47.93	4.91	17.23	12.59	51.19	3.98	10.47
08-05-2017	15.44	43.54	3.08	16.08	19.17	31.72	1.8	6.68	14.51	34.44	8.72	5.85	32.21	58.14	5.38	16.37	13.91	58.81	4.13	8.02
09-05-2017	29.97	59.66	5.12	22.79	17.47	30	2.49	6.18	15.82	33.09	8.8	7.81	26.58	48.54	5.39	15.63	12.22	48.14	4.41	7.99
10-05-2017	9.96	23.49	3.51	24.94	17.99	31.06	3.32	6.24	15.88	51.96	8.76	8.59	20.35	55.07	6	15.93	13.63	54.3	4.41	7.97
11-05-2017	17.75	52.5	4.18	17.7	21.07	33.49	3.75	9.62	17.48	51.12	8.69	9.09	24.51	54.9	5.95	14.33	14.95	60.98	4.27	8.01
12-05-2017	20.7	90.52	3.19	14.06	15.63	43.57	5.42	11.04	21.75	68.58	8.77	10.07	36.58	70.65	5.25	10.63	14.5	60.57	4.33	9.52
13-05-2017	25.7	68.13	3.32	17.09	20.02	68.11	5.51	7.66	25.74	77.32	8.71	12.86	34.2	66.08	5.28	22.61	19.95	76.98	4.13	8.05
14-05-2017	16.74	34.88	3.02	12.49	19.34	31.2	5.7	7.04	19.35	52.17	8.77	6.08	29.95	77.26	5.26	9.75	15.57	57.23	4.01	7.99
15-05-2017	20.85	47.53	3.1	12.32	16.09	25.55	5.45	7.31	14.25	32.51	8.7	6.05	36.25	81.62	3.44	8.87	19.09	75.35	3.75	8.01
16-05-2017	14.71	49.01	3.61	11.76	15.34	30.8	6.16	9.38	15.25	38.42	9.03	7.32	24.51	59.25	4.24	8.15	11.55	37.29	3.74	8
17-05-2017	13.1	46.46	3.53	10.43	14.55	24.35	5.49	8.45	10.13	20.63	8.8	5.83	37.21	74.17	5.05	7.07	13.11	50.36	4	7.99
18-05-2017	14.51	55.04	3.68	10.4	13.08	26.75	5.86	9.51	11.58	31.51	9.06	9.15	20.58	49.32	5.83	6.22	12.41	40.95	3.98	8.03
19-05-2017	15.57	62.84	3.31	11.54	12.9	19.82	5.61	8.39	9.85	20.32	9.07	6.32	31.24	56.66	5.85	8.11	10.43	39.78	3.94	7.98
20-05-2017	11.67	33.87	3.42	15.27	16.45	28.57	5.79	4.45	11.8	39.21	8.8	9.9	22.52	42.94	5.38	10.12	10.08	31.77	3.95	8
21-05-2017	12.7	49.38	3.46	12.49	15.92	27.07	5.56	8.25	10.49	26.49	9.05	7.36	15.63	33.37	7.21	9.72	10.89	52.5	3.95	7.99
22-05-2017	12.86	43.75	3.08	12.24	15.63	36.58	3.58	10.17	14.21	51.15	9.05	10.01	12.35	36.77	5.82	9.51	9.29	34.89	3.88	7.99
23-05-2017	14.94	85.53	2.96	13.65	14.87	37.86	4.67	9.17	14.33	62.29	8.76	6.67	18.57	36.83	5.97	9.39	8.3	38.22	3.96	8.01
24-05-2017	12.59	49.61	3.29	10.64	20.35	41.58	4.82	11.93	11.99	35.15	8.74	5.39	23.65	42.59	6.36	10.84	9.96	34.4	3.95	7.99
25-05-2017	11.62	46.45	4.09	9.92	26.38	43.61	4.79	11.87	12.38	36.57	8.89	6.75	21.24	51.05	5.45	6.02	8.72	36.22	3.89	8
26-05-2017	10.55	46.41	4.27	9.14	23.84	52.24	4.68	11.06	9.59	20.41	8.92	5.4	26.32	50.12	5.93	18.05	9.58	35.84	3.81	7.99
27-05-2017	12.96	65.83	3.82	10.77	16.87	51.63	4.81	12.05	8	18.76	8.98	3.68	31.54	69.47	5.5	12.76	11.46	58.08	3.99	7.98
28-05-2017	9.61	48.6	3.56	7.52	20.48	57.89	5.12	10.53	7.65	16.38	9.03	2.9	30.58	53.91	5.68	7.58	10.84	72.05	4.02	7.99
29-05-2017	6.31	20.62	2.87	5.18	19.67	60.45	5.17	10.54	6.69	17.9	9.03	1.34	32.56	63.13	5.35	7.56	15.2	78.63	4.05	7.99
30-05-2017	6.74	19.39	2.79	6.29	24.51	61.87	5.63	10.58	7.75	19.73	9.2	2.54	34.81	87.8	6.01	7.74	9.72	68.18	4.08	7.99
31-05-2017	6.65	18.68	2.92	7.71	16.07	24.94	3.82	6.77	7.59	22.26	9.24	5.2	27.21	48.95	4.45	7.71	10.21	52.39	3.8	7.98

Ambient Noise Level in Leq dB(A): at the boundary line of the plant

Month	Day Time	Night Time
May-17	61	59
Standards	<75	<70

Prepared By
A. V. Shikhare
Asst. Manager (Environment)

Checked By
V. M. Waghchaure
GM (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	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
01-06-2017	11.98	57.88	3.23	11.22	14.57	22.16	9.27	6.4	7.97	18.05	9.26	3.9	20.13	53.43	6.67	8.06	10.28	39.38	4.08	9.77
02-06-2017	11.11	73.5	3.6	25.58	10.62	14	12.13	6.31	10.66	18.43	9.29	6.97	12.65	31.2	4.56	9.56	8.56	63.25	5.06	14.75
03-06-2017	10.82	73.5	3.74	19.97	8.58	11.28	8.52	6.32	8.87	15.79	9.41	7.1	31.24	70.96	4.75	8.69	8.95	52.65	4.03	16.26
04-06-2017	12.41	53.44	3.72	10.3	13.28	20.63	14.25	6.32	12.82	30.39	9.48	4.25	26.58	45.81	6.39	8.37	9.52	54.89	4.78	15.97
05-06-2017	14.22	63.95	3.55	10.13	19.13	30.67	2.52	6.32	15.11	41.96	9.49	4.06	36.21	66.46	5.44	8.78	8.74	71.52	4.12	14.11
06-06-2017	15.16	79.29	6.17	10.94	17.01	32.03	6.26	6.31	12.81	43.22	9.42	4.63	21.2	58.61	6.25	8.64	7.65	65.84	4.56	14.61
07-06-2017	12.46	62.12	4.02	10.33	11.44	14.11	8.61	6.32	9.73	17.34	9.59	4.39	16.58	48.9	6.15	9.01	6.98	72.63	5.23	13.94
08-06-2017	12.72	48.55	3.49	9.24	10.96	12.06	4.68	6.31	10.95	21.11	9.72	7.04	19.65	53.86	11.25	7.78	8.92	62.05	5.92	12.62
09-06-2017	11.76	48.57	4.28	8.87	10.86	15.16	4.15	6.31	10.42	21.87	9.84	5.99	21.59	42.66	8.61	9.49	9.68	50.41	6.23	18.06
10-06-2017	11.87	48.01	4.02	9.11	10.96	12.5	2.66	6.31	8.83	20.7	9.91	5.67	25.84	18.28	5.48	9.54	9.13	45.62	3.54	16.33
11-06-2017	15.45	84.15	4.14	9.03	8.91	9.47	5.45	6.32	8.1	27.99	9.96	5.37	14.78	27.94	5.9	9.55	9.36	32.01	4.08	7.98
12-06-2017	9.26	43.63	4.11	7.46	8.73	16.97	4.19	6.31	8.43	15.09	9.81	5.77	19.85	39.91	5.26	9.22	4.84	26.61	3.66	8.07
13-06-2017	11.92	44.08	3.83	8.75	10.65	18.13	4.6	6.32	12.45	19.43	9.96	4.66	10.23	23	5.56	8.78	4.43	20.85	3.87	8.04
14-06-2017	15.89	72.44	4.12	38.1	9.63	16.35	5.11	6.31	30.42	51.67	14.26	16.21	25.41	54.55	5.05	8.94	7.35	45.33	3.78	8.08
15-06-2017	11.57	52.77	3.94	37.2	10.06	15.54	5.19	6.31	10.24	16.63	10.5	4.09	24.36	54.23	4.63	13.22	5.65	65.53	4.08	8.06
16-06-2017	17.94	62.31	3.57	27.86	9.47	14.58	2.89	6.31	7.03	12.01	10.3	16.2	26.65	62.58	4.92	12.85	5.72	45.75	3.9	8
17-06-2017	13.4	45.47	3.32	16.4	8.98	19.61	4.06	6.33	12.63	21.37	10.6	31	20.23	47.52	5.12	13.45	7.9	50.55	3.87	8.09
18-06-2017	16.98	59.47	4.72	14.42	10.26	22.87	2.96	6.33	25.94	47.09	11.69	11.02	19.85	39.74	6.34	15.83	6.35	38.65	4.05	8.02
19-06-2017	16.12	83.67	3.52	12.66	9.27	18.28	5.03	6.35	9.09	17.37	10.19	4.57	17.45	20.5	6.38	11.13	7.32	42.73	4.01	7.96
20-06-2017	16.27	50.88	3.42	11.2	11.77	21.08	5.74	6.32	10.45	21.76	10.08	4.18	16.84	27.95	9.45	9.54	7.98	53.94	3.99	8.05
21-06-2017	16.05	41.31	4	8.73	12.29	25.83	4.73	6.32	9.49	25.06	10.23	3.31	17.29	30.63	3.82	8.68	9.84	71.2	4.05	8.02
22-06-2017	13.88	54.03	4.73	11.66	10.87	24.04	5.15	6.32	11.55	19.3	10.3	7.01	12.35	34.68	2.25	10.12	9.29	60.84	4.21	8.02
23-06-2017	8.76	30.87	3.86	10.96	13.6	30.61	3.64	6.32	24.42	47.38	11.24	15.35	19.67	47.4	1.04	10.51	6.58	42.59	3.92	7.97
24-06-2017	10.18	26.99	3.67	6.04	17.6	41.86	2.6	6.35	39.72	84.2	13.1	14.17	20.85	49.68	3.25	11.1	7.24	49.21	3.89	7.99
25-06-2017	10.03	37.79	3.64	13.27	17.65	34.63	4.25	6.31	51.68	79.25	15.82	17.99	21.26	46.38	1.7	9.86	5.55	24.48	4	7.99
26-06-2017	15.54	76.08	6.37	15.56	9.12	17.71	6.18	6.32	21.23	63.52	12.36	24.55	13.49	27.81	2.83	9.7	8.19	21.78	4.08	8.02
27-06-2017	12.72	45.99	5.19	11.95	12.36	23.25	2.36	7.15	10.25	52.54	14.23	22.61	10.68	24.06	2.69	9.36	8.74	41.46	4.05	7.99
28-06-2017	15	55.27	6.7	23.18	11.25	24.53	3.56	8.43	21	56.89	12.58	30.85	19.87	38.31	3.69	9.09	10.1	65.29	4.36	7.97
29-06-2017	24.91	67.82	4.96	11.21	14.23	36.25	5.45	9.3	14.56	57.56	10.24	18.9	20.12	31.7	9.11	9.17	6.53	94.63	3.4	15.1
30-06-2017	11.53	23.55	3.34	18.21	9.86	29.65	6.35	11.54	23.56	50.23	13.26	16.74	10.23	29.9	2.22	10.98	7.43	6.68	3.75	8.24

Ambient Noise Level in Leq dB(A): at the boundary line of the plant

Month	Day Time	Night Time
Jun-17	61	60
Standards	< 75	< 70

Prepared By
A.V. Shikhare *A. Shikhare*
Asst. Manager (Environment)

Checked By
V. M. Waghchaure
GM (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	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
01-07-2017	8.69	18.82	3.36	24.31	14.31	34.48	3.88	6.31	12.35	35.68	10.25	6.29	16.5	34.11	2.89	10.83	7.99	10.39	3.83	8.18
02-07-2017	9.29	30.37	3.67	6.89	13.88	31.59	6.5	6.31	13.68	39.84	9.56	6.91	16.62	37.51	4.08	11.09	7.62	16.85	3.97	7.97
03-07-2017	10.47	40.9	4.68	6.15	15.83	36.26	3.39	6.31	15.62	47.1	7.82	5.77	25.91	47.27	4.01	12.1	7.51	12.81	4.02	7.94
04-07-2017	9.39	34.94	3.8	5.31	14.35	31.79	5.91	6.28	14.89	49.85	8.67	6.5	18.71	22.57	3.24	10.51	11.24	13.02	3.81	7.92
05-07-2017	10.68	38.53	4.16	5.68	15.46	36.93	6.03	6.32	16.32	23.56	9.25	6.61	22.25	28.47	3.49	10.65	6.72	13.89	3.73	8.16
06-07-2017	8.59	23.98	3.74	6.6	12.26	35.65	4.2	6.27	20.74	52.1	9.35	8.78	25.3	30.65	3.62	11.51	8.03	13.1	3.94	7.73
07-07-2017	10.03	39.85	4.78	8.75	16.37	36.43	6.43	6.31	31.09	73.95	16.25	4.6	22.24	31.57	2.89	12.62	6.82	14.61	3.93	7.88
08-07-2017	12.81	49.1	4.52	6.94	17.18	31.91	4.03	6.29	15.16	34	11.14	3.8	18.56	34.62	6.25	11.32	6.71	12.98	3.95	7.96
09-07-2017	15.86	82.55	4.94	12.11	17.19	23.41	4.03	6.32	10.64	18.43	10.32	3.8	17.89	32.21	4.52	10.07	5.97	8.6	3.96	7.66
10-07-2017	11.68	57.52	4.03	9.54	12.25	25.14	3.97	6.34	43.89	65.44	12.23	27.61	16.85	34.74	4.51	10.01	7.71	12.53	3.92	7.59
11-07-2017	13.76	66.6	5.28	10.03	13.54	29.2	6.53	6.33	33.86	65.41	15.5	22.45	20.54	39.52	5.23	10.46	7.14	14.92	3.97	7.56
12-07-2017	6.98	20.53	3.91	5.09	13.37	35.24	2.66	6.3	12.35	29.26	11.12	3.27	16.98	40.58	4.01	9.29	4.68	15.13	3.94	7.78
13-07-2017	9.06	29.55	5.1	7.06	13.48	34.22	2.41	7.89	13.42	29.98	10.78	5.25	20.28	41.21	4.07	10.97	4.31	14.14	3.82	7.39
14-07-2017	12.69	29.54	4.59	16.22	12.54	42.5	6.52	8.56	14.65	36.32	10.9	4.04	26.99	53.97	3.35	11.3	5.25	11.58	3.88	8.37
15-07-2017	9.77	28.1	4.31	5.02	10.07	33.77	7.15	6.31	14.29	34.8	10.83	3.15	27.32	52.94	2.41	12.14	5.63	13.32	3.74	7.95
16-07-2017	7.9	22.21	4.21	4.13	17.82	26.76	5.42	6.31	10.33	22.52	10.78	2.79	24	42.74	3.46	10.37	6.76	14	3.97	7.56
17-07-2017	10.67	46.51	5.86	12.13	7.19	15.56	4.67	6.31	7.84	12.29	11.06	3.76	23.32	28.55	3.37	10.65	4.17	6.82	3.91	7.62
18-07-2017	16.24	83.17	6.37	15.63	8.2	20.13	2.58	6.11	12.99	15.74	11.45	4.27	26.75	32.28	5.01	9.4	5.19	8.77	4.04	8
19-07-2017	11.83	62.19	5.29	12.74	8.73	12.34	3.55	6.2	11.36	14.98	11.46	3.67	18.34	30.25	1.38	8.92	5.82	11.69	3.58	8.02
20-07-2017	7.7	29.32	4.69	6.5	9.39	18.11	4.52	9.25	10.29	22.97	11.28	2.89	18.76	22.81	9.32	8.9	5.09	6.89	3.39	7.88
21-07-2017	5.42	12.25	4.13	3.97	11.17	12.72	5.63	8.06	9.01	19.88	11.37	2.29	17.72	30.37	3.3	10.13	6.2	15.62	10.25	7.87
22-07-2017	6.39	18.92	4.09	3.83	13.55	29.87	5.53	7.41	8.68	26.89	9.41	2.02	22.82	36.58	4.35	11.02	8.28	66.33	6.69	7.94
23-07-2017	16.77	29.34	4.34	28.37	12.67	33.96	4.87	7.38	15.2	32.21	5.46	1.68	17.96	32.59	2.68	10.94	9.79	68.47	6.11	7.95
24-07-2017	6.77	19.71	4.76	20.8	12.67	37.29	6.23	7.46	16.43	34.38	5.62	2.1	15.81	27.95	2.77	11.86	6.81	47.58	4.01	7.94
25-07-2017	6.45	20.25	4.2	5.21	14.12	34.94	4.12	9.3	10.87	33.1	5.53	1.89	23.56	41.25	5.62	11.33	7.17	45.12	3.89	7.94
26-07-2017	6.65	19.71	4.25	7.02	14.93	34.58	2.85	9.41	10.37	29.28	4.89	2.04	22.14	40.52	3.54	9.06	10.21	51.67	4.29	7.94
27-07-2017	8.71	18.25	4.3	7.41	14.61	25.6	4.32	10.74	9.56	26.86	4.87	3.04	15.63	30.25	4.58	9.57	6.99	47.68	4.7	7.94
28-07-2017	7.95	27.9	4.91	9.29	15.2	30.54	5.69	9.72	9.8	25.81	4.84	4.74	14.51	35.62	6.32	9.95	5.67	36.8	4.9	7.94
29-07-2017	7.65	29.62	4.84	9.06	17.63	35.64	6.98	7.8	10.61	25.29	4.86	7.27	13.58	34.58	4.25	11.67	7.61	37.01	4.55	7.95
30-07-2017	11.6	54.6	6.9	10.58	14.39	31.09	7.23	8.89	8.95	20.32	4.93	5.79	14.57	36.65	4.57	11.43	6.5	33.53	4.76	7.93
31-07-2017	10.44	55.78	6.84	13.27	10.81	15.46	5.48	7.72	8.08	15.77	5.27	5.72	15.69	35.69	3.65	11.83	6.22	21.83	5.1	7.93

Ambient Noise Level in Leq dB(A): at the boundary line of the plant

Month	Day Time	Night Time
Jul-17	61	60
Standards	< 75	< 70

Prepared By
A.V.Shikhare
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	PM2.5	PM10	SO2	NOX
01-08-2017	11.17	54.29	7.67	13	8.91	9.47	4.19	6.31	8.95	17.69	5.71	6.27	26.65	62.58	4.92	12.85	7.88	31.35	4.67	7.98
02-08-2017	10.62	49	6.77	10.99	7.88	17.25	4.6	6.32	8.24	20.13	5.46	5.48	20.23	47.52	5.12	13.45	6.71	28.88	5.52	7.99
03-08-2017	10.77	51.45	4.34	12.21	8.00	14.92	5.11	6.31	7.56	17.41	5.52	5.45	19.85	39.74	6.34	15.83	6.02	32.55	4.86	8.34
04-08-2017	7.87	22.71	3.49	8.76	9.42	27.04	5.19	6.31	12.13	35.09	5.73	5.61	17.45	20.5	6.38	11.13	6.13	34.93	5.03	7.81
05-08-2017	8.23	28.09	3.74	8.86	8.54	30.04	2.89	6.31	11.03	33.79	5.44	5.63	16.84	27.95	9.45	9.54	7.14	56.04	6.36	7.45
06-08-2017	8.71	32.63	5.41	9.81	10.88	24.63	4.06	6.33	10.93	30.21	5.76	6.33	17.29	30.63	3.82	8.68	16.07	41.32	4.79	7.94
07-08-2017	12.52	62.97	5.57	14.03	10.71	28.92	2.96	6.33	11.29	29.95	5.84	7.09	12.35	34.68	2.25	10.12	6.76	30.56	4.57	7.93
08-08-2017	13.89	66.83	9.44	12.61	10.83	26.75	5.03	6.35	11.17	30.38	5.9	6.41	19.67	47.4	1.04	10.51	7.06	28.72	4.59	7.94
09-08-2017	13.47	64.23	5.6	12.73	10.54	23.21	5.74	6.32	10.21	21.34	6.07	6.15	20.85	49.68	3.25	11.1	7.72	28.39	4.82	7.94
10-08-2017	14.5	75.75	5.45	16.43	10.63	19.96	4.73	6.32	10.48	18.19	6.14	6.61	21.26	46.38	1.7	9.86	10.63	31.68	4.79	7.94
11-08-2017	13.7	74.67	5.28	12.88	8.46	18.13	5.15	6.32	9.39	17.61	6.1	6.18	15.47	33.47	3.19	11.86	9.25	29.92	4.76	7.94
12-08-2017	10.35	45.75	5.98	10.15	9.45	19.56	3.64	6.32	10.15	20.22	6.27	7.64	17.09	32.21	4.76	9.72	16.98	40.68	4.78	7.72
13-08-2017	11.45	82.55	6.14	10.07	8.47	20.58	2.6	6.35	8.14	33	6.16	11.5	27.58	52.32	3.26	8.85	12.41	45.48	4.65	7.93
14-08-2017	21.44	85.12	5.93	15.41	8.75	17.00	4.25	6.31	19.49	25.71	6.07	10.55	36.25	54.36	4.67	9.54	11.59	32.38	4.6	7.93
15-08-2017	16.72	89.20	5.17	16.07	10.83	16.67	6.18	6.32	10.8	19.12	6.7	6.72	10.23	29.9	2.22	10.98	11.8	29.98	4.98	7.93
16-08-2017	11.81	59.4	5.16	11.75	8.17	18.46	2.36	7.15	17.97	44.5	6.75	9.14	16.5	34.11	2.89	10.83	8.28	30.29	4.96	7.94
17-08-2017	14.8	62.02	8.04	12.4	11.75	28.54	3.56	8.43	13.18	39.17	6.37	8.29	16.62	37.51	4.08	11.09	11.22	45.78	4.92	7.93
18-08-2017	9.5	40.91	5.79	10.11	12.93	31.72	5.45	9.3	14.57	36.77	6.34	7.75	25.91	47.27	4.01	12.1	10.94	50.37	4.81	7.92
19-08-2017	7.63	31.15	5.11	21.75	14.42	26.57	6.35	11.54	11.48	22.75	6.49	9.67	18.71	22.57	3.24	10.51	9.7	24.52	5	7.94
20-08-2017	12.13	61.04	8.38	20.26	10.52	17.80	6.43	6.31	9.68	17.59	6.86	9.61	22.25	28.47	3.49	10.65	7.5	19.16	4.77	7.95
21-08-2017	12.99	76.61	6.88	22.27	9.08	15.92	4.03	6.29	System under Maintenance				25.3	30.65	3.62	11.51	9.93	18.08	4.87	7.86
22-08-2017	11.34	62.5	6.18	14.6	10.83	17.13	4.03	6.32	35.54	71.28	10.04	6.43	22.24	31.57	2.89	12.62	16.15	47.66	4.85	7.98
23-08-2017	13.13	76.62	27.59	14.2	11.71	20.42	3.97	6.34	11.21	22.97	6.68	6.64	18.56	34.62	6.25	11.32	12.03	35.01	4.89	7.98
24-08-2017	12.21	59.2	33.84	13.65	11.57	22.38	6.53	6.33	10.39	25.36	6.56	6.91	17.89	32.21	4.52	10.07	11.74	32.92	4.96	7.99
25-08-2017	6.77	29.81	8.35	13.58	11.52	20.54	2.66	6.3	8.37	16.2	7.2	8.18	16.85	34.74	4.51	10.01	6.41	34.6	5.15	7.94
26-08-2017	11.56	61.24	17.04	15.94	10.92	19.04	2.41	7.89	10.68	16.64	7.06	8.01	20.54	39.52	5.23	10.46	7.07	15.84	4.9	7.94
27-08-2017	11.04	47.07	10.39	13.24	8.65	13.63	6.52	8.56	9.4	17.4	6.99	7.96	16.98	40.58	4.01	9.29	11.81	30.2	4.8	7.97
28-08-2017	System under Maintenance				10.46	13.71	7.15	6.31	9.49	14.73	7.31	8	15.81	27.95	2.77	11.86	10.43	15.91	4.94	7.93
29-08-2017	System under Maintenance				8.25	15.04	5.42	6.31	6.72	10.4	7.62	5.99	10.23	24.23	2.01	9.21	3.9	16.28	4.9	7.94
30-08-2017	25.01	64.64	5.16	11.75	12.31	20.14	4.67	6.31	11.27	28.25	7.1	5.07	14.78	27.94	5.9	9.55	16.17	53.95	4.99	7.94
31-08-2017	12.94	56.66	10.14	11.29	15.88	25.48	2.58	6.11	10.41	25.24	7.07	5.41	12.35	34.68	2.25	10.12	20.78	53.91	4.94	7.92

Ambient Noise Level in Leq dB(A): at the boundary line of the plant

Month	Day Time	Night Time
Aug-17	61	60
Standards	< 75	< 70

Prepared By
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Asst. Manager (Environment)

Checked By
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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	PM2.5	PM10	SO2	NOX
01-09-2017	13.48	71	28.58	14	15.23	25.63	5.36	15.18	9.04	17.45	6.87	5.84	8.35	13.81	1.98	9.75	15.35	35.43	4.95	7.9
02-09-2017	13.05	74.85	19.26	13.27	12.79	25.79	3.65	14.17	8.87	17.6	6.83	6.24	31.55	53.28	4.38	9.34	13.57	29.42	5.22	7.94
03-09-2017	11.64	68.97	16.32	13.07	10.38	15.71	5.48	13.63	7.97	14.59	6.81	6.16	24.51	30.74	4.32	9.01	12.11	25.33	4.93	7.95
04-09-2017	15.79	84.12	24.95	12.53	13.58	25.26	7.52	13.76	12.83	29	6.75	9.88	20.71	36.25	3.19	9.6	14.46	31.12	4.74	7.92
05-09-2017	16.12	70.66	7.72	14.19	13.25	25.79	6.35	15.74	14.73	35.89	6.9	9.72	21.67	43.03	3.69	10.29	12.38	23.68	4.86	7.9
06-09-2017	18.5	95.21	5.68	13.81	17.83	33.00	4.36	13.82	16.57	40.79	7.03	9.88	21.21	39.45	4.89	9.65	12.98	23.46	4.54	7.87
07-09-2017	18.92	66.27	4.58	28.49	23.00	52.48	5.64	14.53	22.36	62.06	7.37	17.01	25.22	65.29	4.63	12.59	11.29	47.18	4.74	8.14
08-09-2017	17.61	59.16	5.29	13.8	24.83	38.18	4.21	16.05	21.79	42.57	7.52	9.11	24.12	58.25	5.04	9.94	14.46	33.61	5.13	7.93
09-09-2017	18.57	39.88	5.76	13.59	23.50	42.04	4.36	15.76	26.54	44.76	7.56	9.05	22.89	34.11	5.28	9.74	16.31	36.46	4.58	7.93
10-09-2017	22.95	55.14	6.32	12.24	22.83	42.21	8.47	13.71	25.44	43.37	7.6	8.04	26.18	41.49	5.09	8.91	17.51	41.84	4.67	7.93
11-09-2017	20.34	77.11	9.6	13.07	23.60	41.28	5.6	12.74	14.34	27.59	7.23	8.02	20.75	44.58	4.17	9.2	16.07	52.35	5.39	7.91
12-09-2017	12.55	48.79	7.57	13.98	11.95	20.13	3.65	12.75	9.57	17.16	6.87	7.85	17.92	39.85	6.76	9.81	12.36	42.15	5.17	7.92
13-09-2017	11.05	40.41	8.56	17.4	11.09	15.07	7.32	14.79	9.2	16.49	6.72	8.22	14.74	23.94	5.99	10.33	10.3	23.66	5.11	7.93
14-09-2017	15.93	57.56	9.62	14.38	10.18	18.15	7.14	12.68	12.04	22.36	6.96	10.01	19.62	35.13	5.81	10.11	10.83	38.13	5.02	7.96
15-09-2017	17.5	52.34	9.13	35.81	9.86	18.41	6.2	13.79	9.42	14.7	7.11	7.81	13.63	28.03	6.2	8.29	16.43	38.9	4.03	7.95
16-09-2017	16.98	73.76	7.64	12.9	10.25	19.24	4.74	10.77	11.24	22.51	7.35	9.06	15.62	30.65	5.03	7.1	17.26	45.13	4.46	7.94
17-09-2017	16	79.97	5.85	16.6	11.13	16.08	5.62	12.66	9.07	16.21	7.48	7.87	12.35	32.41	6.01	9.26	16.09	35.55	4.76	7.91
18-09-2017	14.79	94.8	4.78	16.88	6.26	7.21	4.12	15.67	5.26	8.38	7.27	6.46	14.82	35.06	5.42	11.78	17.99	40.7	4.65	7.93
19-09-2017	7.7	21.9	4.46	17.22	12.21	21.83	7.51	14.6	8.61	13.5	6.99	7.72	12.74	34.84	6.32	8.81	5.56	12.8	4.77	7.94
20-09-2017	11.78	40.78	4.6	23.08	8.75	12.68	4.36	11.82	14.88	25.18	7.65	12.23	13.65	29.68	6.58	12.15	6.05	14.24	4.88	8.01
21-09-2017	16.7	91.18	6.35	31.68	7.96	9.99	2.54	10.97	8.52	13.96	6.31	7.36	16.84	35.62	6.12	12.71	24.15	42.98	4.86	7.94
22-09-2017	12.84	65.79	4.85	18.48	9.46	15.79	3.65	13.77	7.52	14.54	5.9	6.21	13.29	34.58	5.13	12.08	23.28	58.38	4.85	7.93
23-09-2017	11.15	51.06	5.33	13.03	11.50	17.00	4.84	12.37	8.19	17.17	5.79	6.89	16.54	32.21	6.41	10.54	15.5	37.27	4.91	7.94
24-09-2017	15.83	53.4	11	18.33	12.67	23.83	7.12	11.99	13.26	36	6.2	9.54	11.23	35.12	5.48	10.56	9.23	32.09	4.87	7.94
25-09-2017	9.2	24.9	4.65	13.24	14.00	28.54	4.36	15.56	17.71	45.57	5.84	12.15	12.61	33	5.52	10.88	6.78	31.52	4.7	7.94
26-09-2017	13.67	40.44	4.52	19.89	19.71	39.71	6.58	11.13	21.9	58.11	5.93	12.79	16.48	45.4	6.76	12.41	7.7	31.58	4.7	7.94
27-09-2017	18.15	50.56	4.49	19.68	27.21	58.46	6.74	15.33	26.3	58.62	6.04	9.86	22.64	60.76	6.41	12.6	11.99	45.35	4.96	7.94
28-09-2017	24.36	54.58	4.54	16.28	34.27	65.37	6.32	15.87	32.21	64.48	6.04	9.6	25.66	52.14	5.27	11.54	14.65	42.36	4.77	7.95
29-09-2017	16.76	47.47	6.75	15.86	18.83	30.50	4.85	8.98	17.94	38.54	6.06	9.43	18.25	27.22	5.98	10.79	11.48	30.29	4.99	7.53
30-09-2017	15.71	43.36	5.19	19.23	18.67	31.08	7.41	8.92	17.59	34.27	5.83	10.68	18.61	22.94	5.78	11	8.93	24.67	4.72	7.78

Ambient Noise Level in Leq dB(A): at the boundary line of the plant

Month	Day Time	Night Time
Sep-17	61	60
Standards	< 75	< 70

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GM (Environment)

b) FUGITIVE EMISSION STATUS:

Sr. No.	Location of the Station	Date & Time of Monitoring	Parameters ($\mu\text{g}/\text{m}^3$)		
			PM10	SO ₂	NO _x
A Coke Oven Plant					
	CPCB Norms ($\mu\text{g}/\text{m}^3$)		3000	200	150
1	Near Coal Blending Area	19/04/2017, 16:00 Hrs.	770.66	16.82	20.92
		19/05/2017, 18:00 Hrs.	896.37	17.66	21.02
		19/06/2017, 10:15 Hrs.	812.00	14.58	17.14
		15/07/2017, 17:00 Hrs.	744.62	12.45	20.18
		17/08/2017, 11:25 Hrs.	203.19	4.32	37.00
		21/09/2017, 11:25 Hrs.	589.50	15.95	20.09
2	Near Secondary Coal Crusher Area	19/04/2017, 10:00 Hrs.	833.13	11.86	21.48
		19/05/2017, 09:00 Hrs.	681.15	13.30	17.01
		17/06/2017, 17:30 Hrs.	542.56	10.25	13.57
		15/07/2017, 16:45 Hrs.	1045.69	20.14	24.96
		12/08/2017, 11:15 Hrs.	355.73	4.75	38.23
		23/09/2017, 11:15 Hrs.	695.83	10.25	18.06
3	Near Coke Oven Battery A Warf Area	18/04/2017, 15:40 Hrs.	1321.26	18.20	23.15
		19/05/2017, 17:10 Hrs.	1569.98	14.63	21.11
		17/06/2017, 10:00 Hrs.	1376.31	13.78	16.68
		14/07/2017, 17:45 Hrs.	1521.36	17.69	18.96
		16/08/2017, 10:50 Hrs.	547.82	5.63	40.80
		26/09/2017, 10:50 Hrs.	891.66	10.89	13.45
4	Near Coke Oven Battery B Warf Area	19/04/2017, 09:50 Hrs.	825.21	11.53	16.90
		19/05/2017, 08:45 Hrs.	956.38	13.73	19.66
		17/06/2017, 10:15 Hrs.	754.36	10.25	18.69
		15/07/2017, 09:10 Hrs.	917.12	10.89	15.63
		14/08/2017, 11:10 Hrs.	414.44	5.18	39.46
		26/09/2017, 11:10 Hrs.	954.83	8.95	15.04
5	Near Coke Cutter Area	19/04/2017, 09:40 Hrs.	1331.00	10.96	22.11
		19/05/2017, 17:45 Hrs.	1781.20	20.10	23.48
		17/06/2017, 17:15 Hrs.	1566.37	16.80	19.87
		15/07/2017, 09:45 Hrs.	1271.25	13.14	14.63
		11/08/2017, 11:30 Hrs.	450.00	5.61	40.70
		27/09/2017, 11:30 Hrs.	1166.66	15.18	20.41
6	Near Coke Screening Area	18/04/2017, 15:50 Hrs.	793.08	16.23	21.10
		19/05/2017, 08:45 Hrs.	538.91	14.33	19.06
		17/06/2017, 17:00 Hrs.	687.12	15.67	20.14
		15/07/2017, 09:30 Hrs.	521.14	11.25	23.31
		01/08/2017, 11:10 Hrs.	1092.01	6.91	45.63
		22/09/2017, 11:10 Hrs.	408.33	10.09	11.78
7	Near Sulphur Recovery Area	18/04/2017, 15:30 Hrs.	1835.10	10.29	19.23
		19/05/2017, 08:30 Hrs.	1559.62	10.83	15.52
		17/06/2017, 09:45 Hrs.	1178.96	12.87	16.62
		14/07/2017, 17:30 Hrs.	1018.36	10.45	12.34
		10/08/2017, 11:05 Hrs.	995.56	6.47	43.16
		27/09/2017, 11:05 Hrs.	1168.66	8.57	14.69
B Pellet Plant					
	CPCB Norms ($\mu\text{g}/\text{m}^3$)		3000	200	150
1	Near Mixer Building Area	18/04/2017, 16:30 Hrs.	1568.56	16.83	18.40
		19/05/2017, 09:30 Hrs.	1388.69	12.16	14.37
		17/06/2017, 18:15 Hrs.	1142.53	10.25	16.87
		15/07/2017, 10:30 Hrs.	1469.38	14.12	18.11
		12/08/2017, 11:00 Hrs.	271.38	6.04	40.70
		25/09/2017, 11:00 Hrs.	1255.69	10.06	15.09
2	Near Bentonite Storage Area	18/04/2017, 16:20 Hrs.	753.11	13.83	23.82
		19/05/2017, 16:45 Hrs.	657.36	18.60	20.79
		17/06/2017, 18:00 Hrs.	782.36	15.12	17.12
		15/07/2017, 10:15 Hrs.	531.12	10.47	14.55
		01/08/2017, 11:05 Hrs.	318.48	6.91	44.40
		29/09/2017, 11:05 Hrs.	828.76	11.89	20.03

3	Near Additive Ball Mill Area	19/04/2017, 10:10 Hrs.	1636.84	19.25	21.17
		19/05/2017, 16:30 Hrs.	1869.36	18.25	21.86
		19/06/2017, 16:30 Hrs.	1413.10	16.27	17.15
		15/07/2017, 17:15 Hrs.	1128.36	13.24	11.14
		11/08/2017,10:55 Hrs.	242.39	6.04	41.93
		21/09/2017,10:55 Hrs.	1588.33	15.09	19.89
4	Near Ball Mill Area	18/04/2017, 16:10 Hrs.	1438.26	14.35	17.91
		19/05/2017, 09:15 Hrs.	1218.26	14.65	17.11
		17/06/2017, 17:45 Hrs.	1104.52	15.63	19.36
		15/07/2017, 10:00 Hrs.	814.32	11.89	16.82
		10/08/2017,11:00 Hrs.	279.71	6.47	41.93
		21/09/2017,11:00 Hrs.	279.71	6.47	41.93
5	Near Indurating Machine	19/04/2017, 10:20 Hrs.	1436.11	13.30	16.39
		19/05/2017, 10:00 Hrs.	1203.42	11.25	18.60
		19/06/2017, 18:00 Hrs.	986.63	10.77	14.72
		15/07/2017, 17:30 Hrs.	1327.17	16.92	21.12
		14/08/2017,11:10 Hrs.	293.12	6.47	43.16
		26/09/2017,11:10 Hrs.	1503.00	9.25	19.09
6	Near Hearth Layer Area	19/04/2017, 10:30 Hrs.	666.13	14.48	23.31
		18/05/2017, 18:15 Hrs.	914.25	16.58	27.77
		19/06/2017, 18:15 Hrs.	875.63	14.21	20.14
		15/07/2017, 17:45 Hrs.	963.31	12.10	15.16
		16/08/2017,11:25 Hrs.	252.81	6.04	41.93
		28/09/2017,11:25 Hrs.	879.50	15.09	28.10
7	Near Product Storage Area	19/04/2017, 18:20 Hrs.	513.28	13.25	18.39
		18/05/2017, 18:30 Hrs.	725.23	14.62	16.24
		20/06/2017, 09:45 Hrs.	623.31	11.54	14.31
		15/07/2017, 18:00 Hrs.	679.36	15.42	18.77
		17/08/2017,11:15 Hrs.	249.28	5.61	40.70
		27/09/2017,11:15 Hrs.	1011.04	15.01	17.09

C. WATER POLLUTION STATUS:

Water Consumption/tonne of product produced :

Water Consumption / MT of Coke Produced : 2.08 M³/MT, from April., 2016 to Sept., 2016 (For COP only).

Water Consumption / MT of Pellet Produced : 0.129 M³/MT, April., 2016 to Sept., 2016 (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, 2017 to Sept., 2017	COBP Effluent	BOD Plant - oil separation pool and air floatation pool, anaerobic pool, anoxia pool, aerobic pool and contact oxidization pool, Activated Carbon, Pressure Sand Filter	107.31 m ³ /h							After treatment 100 % quantity of treated water reused for coke-quenching. No discharge of waste water.
Pellet Plant										
No Discharge										

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

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

STATUS OF SEWAGE TREATMENT PLANT (STP):

Date & Time of Monitoring	Name of the STP	Quantity of the Effluent	Parameters (mg/l, expect pH & Temp.)				Remark
			Temp. (° C)	pH	TSS	BOD	
From April, 2017 to Sept., 2017	BOD Plant	After treatment 100 % quantity used for coke-quenching or gardening.					All septic tank water Connected to BOD Plant

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., 2016 to Sept, 2016	Method of reuse / disposal
1	Coke Oven Plant	Coke Breeze, Coke & Coal Dust	5294.9	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	9607	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		21.41	Impure Sulphur Paste (Category No. 34.3)	Sold to Authorised Party for Disposal
3		57.25	Decanter Sludge (Category No. 13.3)	100 % Reused in Coke Oven process
4	Pellet Plant	8200	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	Night
A Coke Oven Plant						
1	Near Coke Oven -Battary Pushing side	5	**	12-04-2017	88	87
				26-04-2017	87	86
				14-05-2017	89	88
				30-05-2017	90	89
				13-06-2017	89	88
				27-06-2017	88	86
				12-07-2017	85	84
				26-07-2017	86	85
				13-08-2017	85	84
				27-08-2017	86	85
				15-09-2017	85	83
				29-09-2017	87	84
2	Near Coke Oven -Battary Coke side	5	**	12-04-2017	86	85
				26-04-2017	85	82
				14-05-2017	88	87
				30-05-2017	87	86
				13-06-2017	87	86
				27-06-2017	86	85
				12-07-2017	87	86
				26-07-2017	87	85
				13-08-2017	87	86
				27-08-2017	88	87
				15-09-2017	86	84
				29-09-2017	87	85
3	Near Coke cutter/coke screening area	5	**	12-04-2017	88	86
				26-04-2017	86	84
				14-05-2017	89	89
				30-05-2017	90	88
				13-06-2017	88	87
				27-06-2017	88	86
				12-07-2017	88	86
				26-07-2017	89	87
				13-08-2017	88	87
				27-08-2017	86	85
				15-09-2017	88	87
				29-09-2017	88	86
4	Near BOD Plant area	5	**	12-04-2017	86	85
				26-04-2017	85	84
				14-05-2017	88	87
				30-05-2017	86	86
				13-06-2017	87	86
				27-06-2017	88	85
				12-07-2017	84	83
				26-07-2017	85	84
				13-08-2017	85	84
				27-08-2017	86	85
				15-09-2017	85	83
				29-09-2017	84	82

5	Near Coke Oven Main office Area	5	**	12-04-2017	80	79
				26-04-2017	79	78
				14-05-2017	81	80
				30-05-2017	80	79
				13-06-2017	80	79
				27-06-2017	81	79
				12-07-2017	78	77
				26-07-2017	78	76
				13-08-2017	78	77
				27-08-2017	80	79
				15-09-2017	78	77
				29-09-2017	78	76
				6	Near Coal blending Area	5
26-04-2017	85	83				
14-05-2017	88	86				
30-05-2017	87	86				
13-06-2017	87	86				
27-06-2017	85	84				
12-07-2017	84	83				
26-07-2017	86	85				
13-08-2017	86	85				
27-08-2017	85	84				
15-09-2017	87	86				
29-09-2017	85	84				
7	Near Ammonia scrubber Area	5	**			
				26-04-2017	83	82
				14-05-2017	86	85
				30-05-2017	87	86
				13-06-2017	88	86
				27-06-2017	88	87
				12-07-2017	87	86
				26-07-2017	87	85
				13-08-2017	87	86
				27-08-2017	87	86
				15-09-2017	85	83
				29-09-2017	86	84
				8	Near Secondary Crusher Area	5
26-04-2017	86	86				
14-05-2017	89	88				
30-05-2017	89	88				
13-06-2017	87	86				
27-06-2017	87	86				
12-07-2017	85	84				
26-07-2017	87	86				
13-08-2017	85	84				
27-08-2017	87	86				
15-09-2017	88	86				
29-09-2017	87	85				
B. Pellet Plant						
1	Near Ball Mill Area	5	**	12-04-2017	88	85
				26-04-2017	86	84
				14-05-2017	88	86
				30-05-2017	87	87
				13-06-2017	87	86
				27-06-2017	88	85
				12-07-2017	86	85
				26-07-2017	85	84
				13-08-2017	84	83
				27-08-2017	85	84
				15-09-2017	85	83
				29-09-2017	86	84

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2	Near Additive Ball Mill Area	5	**	12-04-2017	88	87
				26-04-2017	87	86
				14-05-2017	86	84
				30-05-2017	84	83
				13-06-2017	86	86
				27-06-2017	88	87
				12-07-2017	87	86
				26-07-2017	85	85
				13-08-2017	86	85
				27-08-2017	87	86
				15-09-2017	87	85
				29-09-2017	87	84
				3	Near Main ESP	5
26-04-2017	91	90				
14-05-2017	90	88				
30-05-2017	88	87				
13-06-2017	88	86				
27-06-2017	87	87				
12-07-2017	92	91				
26-07-2017	90	89				
13-08-2017	90	89				
27-08-2017	89	88				
15-09-2017	92	91				
29-09-2017	90	88				
4	Near Product Storage Area	5	**			
				26-04-2017	86	84
				14-05-2017	82	82
				30-05-2017	83	81
				13-06-2017	86	86
				27-06-2017	85	83
				12-07-2017	84	82
				26-07-2017	83	82
				13-08-2017	88	87
				27-08-2017	87	86
				15-09-2017	85	83
				29-09-2017	82	80
				5	Near Indurating area	5
26-04-2017	88	86				
14-05-2017	87	86				
30-05-2017	86	84				
13-06-2017	84	82				
27-06-2017	86	84				
12-07-2017	89	88				
26-07-2017	88	87				
13-08-2017	84	83				
27-08-2017	85	83				
15-09-2017	88	87				
29-09-2017	87	86				
6	Near Hearth Layer Area	5	**			
				26-04-2017	86	84
				14-05-2017	83	82
				30-05-2017	82	81
				13-06-2017	82	81
				27-06-2017	81	80
				12-07-2017	87	86

			26-07-2017	87	85
			13-08-2017	84	83
			27-08-2017	85	84
			15-09-2017	83	81
			29-09-2017	83	82


- ** 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.



F. STATUS OF CONSENTS:

S. No.	Acts	Consent Number	Valid w. e. f.	Validity upto
1	Under Section 26 of the Water (Prevention and Control of Pollution) Act, 1974	Coke Oven Plant (1 MTPA) BO/CAC-Cell/ EIC No.RD-3105-15/CAC-2736 dated 24/02/2016	01/07/2015	31/05/2017
2	Under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and authorisation under rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008	Pellet Plant (4 MTPA) Format1.0/BO/CAC-Cell/EIC NO:-RD-3100-15/CAC/CAC-11087 dated 21/08/2015	01-07-2015	30/06/2018

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