

J.K. Cement WORKS, MANGROL (RAJ)
DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE
(April- September)' 2014

Annexure-(I)

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT AND MONTH	CROSS SECTIONAL AREA OF DUCT (M2)	STACK GASES TEMP. (° K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)	REMARK
	APRIL'2014								
04.04.2014	KILN + RAW MILL (E.S.P)	5.23	393.00	15.29	60.64	87.80		0.460	
11.04.2014	KILN + RAW MILL (E.S.P)	5.23	390.00	15.02	60.02	68.10	78.45	0.353	
18.04.2014	KILN + RAW MILL (E.S.P)	5.23	389.00	16.05	64.30	80.20		0.446	
25.04.2014	KILN + RAW MILL (E.S.P)	5.23	391.00	16.71	66.61	77.70		0.447	
	MAY'2014								
3.05.2014	KILN + RAW MILL (E.S.P)	5.23	393.00	15.36	60.91	76.30		0.402	
10.05.2014	KILN + RAW MILL (E.S.P)	5.23	391.00	15.76	62.82	88.40	82.50	0.480	
17.05.2014	KILN + RAW MILL (E.S.P)	5.23	392.00	14.99	59.60	82.80		0.426	
	KILN + RAW MILL (E.S.P)	Under maintenance							
	JUNE'2014								
03.06.2014	KILN + RAW MILL (E.S.P)	5.23	392.00	16.60	66.00	74.40		0.424	
10.06..2014	KILN + RAW MILL (E.S.P)	5.23	394.00	17.58	69.54	92.40	79.80	0.555	
17.06.2014	KILN + RAW MILL (E.S.P)	5.23	390.00	16.24	64.90	68.00		0.381	
24.06.2014	KILN + RAW MILL (E.S.P)	5.23	391.00	15.25	60.79	84.40		0.443	
	JULY'2014								
4.07.2014	KILN + RAW MILL (E.S.P)	5.23	391.00	15.56	62.02	71.90		0.385	
11.07.2014	KILN + RAW MILL (E.S.P)	5.23	392.00	15.30	60.83	60.00	76.60	0.315	
18.07.2014	KILN + RAW MILL (E.S.P)	5.23	393.00	15.69	62.22	91.00		0.489	
25.07.2014	KILN + RAW MILL (E.S.P)	5.23	390.00	15.44	61.70	83.50		0.445	
	AUGUST'2014								
2.08.2014	KILN + RAW MILL (E.S.P)	5.23	393.00	16.05	63.65	90.90		0.500	
9.08.2014	KILN + RAW MILL (E.S.P)	5.23	394.00	15.80	62.50	64.50	80.00	0.348	
16.08.2014	KILN + RAW MILL (E.S.P)	5.23	392.00	15.94	63.38	85.90		0.470	
23.08.2014	KILN + RAW MILL (E.S.P)	5.23	391.00	15.56	62.02	78.70		0.422	
	SEPTEMBER'2014								
02.09.2014	KILN + RAW MILL (E.S.P)	5.23	392.00	16.25	64.61	84.90		0.474	
09.09.2014	KILN + RAW MILL (E.S.P)	5.23	393.00	16.09	63.81	72.70	74.00	0.401	
16.09.2014	KILN + RAW MILL (E.S.P)	5.23	395.00	15.91	62.78	78.30		0.425	
24.09.2014	KILN + RAW MILL (E.S.P)	5.23	391.00	15.96	63.62	60.10		0.330	
	APRIL'2014								
04.04.2014	FOLAX COOLER (E.S.P)	7.07	530.00	8.29	32.95	74.20		0.211	
11.04.2014	FOLAX COOLER (E.S.P)	7.07	526.00	7.91	31.68	81.80	71.98	0.224	
18.04.2014	FOLAX COOLER (E.S.P)	7.07	528.00	8.10	32.32	70.20		0.196	
25.04.2014	FOLAX COOLER (E.S.P)	7.07	531.00	7.86	31.19	61.70		0.166	
	MAY'2014								
3.05.2014	FOLAX COOLER (E.S.P)	7.07	524.00	7.99	32.13	62.60		0.174	
10.05.2014	FOLAX COOLER (E.S.P)	7.07	525.00	7.81	31.34	82.60	73.67	0.224	
17.05.2014	FOLAX COOLER (E.S.P)	7.07	527.00	7.82	31.26	75.80		0.205	
	FOLAX COOLER (E.S.P)	Under maintenance							
	JUNE'2014								
03.06.2014	FOLAX COOLER (E.S.P)	7.07	528.00	8.45	33.72	77.80		0.227	
10.06..2014	FOLAX COOLER (E.S.P)	7.07	527.00	8.18	32.70	82.00	71.13	0.232	
17.06.2014	FOLAX COOLER (E.S.P)	7.07	526.00	7.73	30.96	52.90		0.142	
24.06.2014	FOLAX COOLER (E.S.P)	7.07	525.00	8.08	32.43	71.80		0.201	

	JULY'2014								
4.07.2014	FOLAX COOLER (E.S.P)	7.07	528.00	8.77	34.99	59.30		0.179	
11.07.2014	FOLAX COOLER (E.S.P)	7.07	526.00	8.97	35.93	67.30	69.00	0.209	
18.07.2014	FOLAX COOLER (E.S.P)	7.07	527.00	9.29	37.14	78.50		0.252	
25.07.2014	FOLAX COOLER (E.S.P)	7.07	529.00	9.51	37.88	70.70		0.231	
	AUGUST'2014								
2.08.2014	FOLAX COOLER (E.S.P)	7.07	530.00	9.42	37.45	88.20		0.285	
9.08.2014	FOLAX COOLER (E.S.P)	7.07	528.00	9.09	36.27	66.80	77.03	0.209	
16.08.2014	FOLAX COOLER (E.S.P)	7.07	529.00	8.89	35.41	80.90		0.248	
23.08.2014	FOLAX COOLER (E.S.P)	7.07	526.00	9.69	38.81	72.20		0.242	
	SEPTEMBER'2014								
02.09.2014	FOLAX COOLER (E.S.P)	7.07	527.00	9.60	38.38	72.30		0.240	
09.09.2014	FOLAX COOLER (E.S.P)	7.07	529.00	9.31	37.08	56.30	67.98	0.180	
16.09.2014	FOLAX COOLER (E.S.P)	7.07	531.00	8.79	34.88	80.40		0.242	
24.09.2014	FOLAX COOLER (E.S.P)	7.07	528.00	9.50	37.91	62.90		0.206	
	APRIL'2014								
04.04.2014	COAL MILL (B.F.)	0.45	337.00	24.70	9.83	65.50		0.056	
11.04.2014	COAL MILL (B.F.)	0.45	335.00	24.13	9.66	58.30	63.23	0.049	
18.04.2014	COAL MILL (B.F.)	0.45	336.00	25.08	10.01	52.90		0.046	
25.04.2014	COAL MILL (B.F.)	0.45	338.00	23.79	9.44	76.20		0.062	
	MAY'2014								
3.05.2014	COAL MILL (B.F.)	0.45	334.00	22.93	9.21	64.90		0.052	
10.05.2014	COAL MILL (B.F.)	0.45	335.00	23.39	9.36	75.60	65.83	0.061	
17.05.2014	COAL MILL (B.F.)	0.45	337.00	24.28	9.66	57.00		0.048	
	COAL MILL (B.F.)	Under Maintenance							
	JUNE'2014								
03.06.2014	COAL MILL (B.F.)	0.45	338.00	24.72	9.81	62.10		0.053	
10.06.2014	COAL MILL (B.F.)	0.45	336.00	23.00	9.18	51.00	64.18	0.040	
17.06.2014	COAL MILL (B.F.)	0.45	337.00	23.67	9.42	67.10		0.055	
24.06.2014	COAL MILL (B.F.)	0.45	335.00	25.00	10.01	76.50		0.066	
	JULY'2014								
4.07.2014	COAL MILL (B.F.)	0.45	336.00	23.25	9.28	53.50		0.043	
11.07.2014	COAL MILL (B.F.)	0.45	338.00	23.45	9.30	61.70	57.95	0.050	
18.07.2014	COAL MILL (B.F.)	0.45	337.00	23.50	9.35	48.20		0.039	
25.07.2014	COAL MILL (B.F.)	0.45	334.00	23.26	9.34	68.40		0.055	
	AUGUST'2014								
2.08.2014	COAL MILL (B.F.)	0.45	339.00	23.43	9.27	74.70		0.060	
9.08.2014	COAL MILL (B.F.)	0.45	335.00	23.50	9.41	64.30	61.03	0.052	
16.08.2014	COAL MILL (B.F.)	0.45	336.00	23.28	9.29	56.00		0.045	
23.08.2014	COAL MILL (B.F.)	0.45	338.00	23.27	9.23	49.10		0.039	
	SEPTEMBER'2014								
02.09.2014	COAL MILL (B.F.)	0.45	337.00	23.37	9.30	64.80		0.052	
09.09.2014	COAL MILL (B.F.)	0.45	336.00	23.54	9.39	59.50	54.00	0.048	
16.09.2014	COAL MILL (B.F.)	0.45	338.00	23.35	9.26	40.80		0.033	
24.09.2014	COAL MILL (B.F.)	0.45	335.00	23.16	9.27	50.90		0.041	

	APRIL'2014								
4.04.2014	CEMENT MILL - 1 (B.F.)	0.33	356.00	6.83	1.89	69.40		0.011	
11.04.2014	CEMENT MILL - 1 (B.F.)	0.33	358.00	7.08	1.94	50.90	59.50	0.009	
16.04.2014	CEMENT MILL - 1 (B.F.)	0.33	359.00	6.47	1.77	56.20		0.009	
24.04.2014	CEMENT MILL - 1 (B.F.)	0.33	357.00	6.61	1.82	61.30		0.010	
	MAY'2014								
07.05.2014	CEMENT MILL - 1 (B.F.)	0.33	353.00	6.42	1.79	56.20		0.009	
16.05.2014	CEMENT MILL - 1 (B.F.)	0.33	351.00	6.07	1.70	74.70	61.38	0.011	
23.05.2014	CEMENT MILL - 1 (B.F.)	0.33	357.00	6.37	1.75	50.50		0.008	
30.05.2014	CEMENT MILL - 1 (B.F.)	0.33	355.00	6.19	1.71	64.10		0.009	
	JUNE'2014								
6.06.2014	CEMENT MILL - 1 (B.F.)	0.45	336.00	23.42	9.35	65.60		0.053	
14.06.2014	CEMENT MILL - 1 (B.F.)	0.45	337.00	24.08	9.58	75.60	60.80	0.063	
21.06.2014	CEMENT MILL - 1 (B.F.)	0.45	335.00	25.00	10.01	46.00		0.040	
27.06.2014	CEMENT MILL - 1 (B.F.)	0.45	334.00	22.93	9.21	56.00		0.045	
	JULY'2014								
07.07.2014	CEMENT MILL - 1 (B.F.)	0.33	353.00	6.65	1.85	53.40		0.009	
14.07.2014	CEMENT MILL - 1 (B.F.)	0.33	352.00	6.33	1.77	62.00	55.00	0.009	
22.07.2014	CEMENT MILL - 1 (B.F.)	0.33	356.00	6.36	1.76	40.20		0.006	
28.07.2014	CEMENT MILL - 1 (B.F.)	0.33	354.00	6.18	1.72	64.40		0.010	
	AUGUST'2014								
5.08.2014	CEMENT MILL - 1 (B.F.)	0.33	351.00	6.86	1.92	53.30		0.009	
5.08.2014	CEMENT MILL - 1 (B.F.)	0.33	357.00	6.45	1.78	68.90	57.98	0.011	
5.08.2014	CEMENT MILL - 1 (B.F.)	0.33	355.00	6.27	1.74	47.80		0.007	
5.08.2014	CEMENT MILL - 1 (B.F.)	0.33	353.00	6.73	1.87	61.90		0.010	
	SEPTEMBER'2014								
04.09.2014	CEMENT MILL - 1 (B.F.)	0.33	350.00	6.85	1.92	47.00		0.008	
12.09.2014	CEMENT MILL - 1 (B.F.)	0.33	353.00	6.42	1.79	60.50	49.98	0.009	
18.09.2014	CEMENT MILL - 1 (B.F.)	0.33	356.00	6.28	1.73	38.50		0.006	
25.09.2014	CEMENT MILL - 1 (B.F.)	0.33	354.00	6.74	1.87	53.90		0.009	
	APRIL'2014								
4.04.2014	CEMENT MILL - 2 (E.S.P)	0.50	371.00	6.98	2.80	70.40		0.017	
11.04.2014	CEMENT MILL - 2 (E.S.P)	0.50	370.00	7.27	2.93	82.90	69.70	0.021	
16.04.2014	CEMENT MILL - 2 (E.S.P)	0.50	374.00	6.69	2.67	66.60		0.015	
24.04.2014	CEMENT MILL - 2 (E.S.P)	0.50	373.00	6.84	2.73	58.90		0.014	
	MAY'2014								
06.05.2014	CEMENT MILL - 2 E.S.P	0.50	368.00	6.95	2.81	60.80		0.015	
13.05.2014	CEMENT MILL - 2 E.S.P	0.50	370.00	6.49	2.61	79.30	74.05	0.018	
20.05.2014	CEMENT MILL - 2 E.S.P	0.50	369.00	6.64	2.68	87.60		0.020	
29.05.2014	CEMENT MILL - 2 E.S.P	0.50	372.00	6.83	2.74	68.50		0.016	
	JUNE'2014								
6.06.2014	CEMENT MILL - 2 E.S.P	0.50	370.00	6.97	2.81	66.80		0.016	
14.06.2014	CEMENT MILL - 2 E.S.P	0.50	374.00	6.60	2.63	82.80	70.60	0.019	
21.06.2014	CEMENT MILL - 2 E.S.P	0.50	373.00	7.23	2.89	57.30		0.014	
28.06.2014	CEMENT MILL - 2 E.S.P	0.50	372.00	6.83	2.74	75.50		0.018	

	JULY'2014								
07.07.2014	CEMENT MILL - 2 (E.S.P)	0.50	369.00	7.04	2.84	57.60		0.014	
14.07.2014	CEMENT MILL - 2 (E.S.P)	0.50	371.00	6.66	2.67	78.10	66.95	0.018	
21.07.2014	CEMENT MILL - 2 (E.S.P)	0.50	370.00	6.81	2.74	82.00		0.019	
30.07.2014	CEMENT MILL - 2 (E.S.P)	0.50	368.00	6.95	2.81	50.10		0.012	
	AUGUST'2014								
2.08.2014	CEMENT MILL - 2 E.S.P	0.50	367.00	7.17	2.91	64.20		0.016	
9.08.2014	CEMENT MILL - 2 E.S.P	0.50	373.00	7.07	2.82	81.70	69.03	0.020	
18.08.2014	CEMENT MILL - 2 E.S.P	0.50	371.00	6.98	2.80	75.30		0.018	
25.08.2014	CEMENT MILL - 2 E.S.P	0.50	369.00	6.64	2.68	54.90		0.013	
	SEPTEMBER'2014								
4.09.2014	CEMENT MILL - 2 E.S.P	0.50	368.00	6.71	2.72	66.00		0.016	
12.09.2014	CEMENT MILL - 2 E.S.P	0.50	372.00	6.91	2.77	70.60	61.98	0.017	
18.09.2014	CEMENT MILL - 2 E.S.P	0.50	367.00	7.09	2.88	51.20		0.013	
25.09.2014	CEMENT MILL - 2 E.S.P	0.50	370.00	6.57	2.65	60.10		0.014	