

J.K. Cement WORKS, MANGROL (RAJ) (Unit-1)
DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE
April' 2015 - September' 2015

DATE	NAME OF THE STACK / DUCT ATTACHED WITH UNIT AND MONTH	CROSS SECTIONAL AREA OF DUCT (M2)	STACK GASES TEMP. (⁰ 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' 2015								
01.04.2015	KILN + RAW MILL (E.S.P)	5.23	392	16.25	64.61	77.2	71.7	0.431	
08.04.2015	KILN + RAW MILL (E.S.P)	5.23	390	15.90	63.54	66.1		0.363	
15.04.2015	KILN + RAW MILL (E.S.P)	Kiln Under Maintenance							
30.04.2015	KILN + RAW MILL (E.S.P)								
	May' 2015								
05.05.2015	KILN + RAW MILL (ESP)	Kiln Under Maintenance							
12.05.2015	KILN + RAW MILL (ESP)								
19.05.2015	KILN + RAW MILL (ESP)								
31.05.2015	KILN + RAW MILL (ESP)								
	June' 2015								
05.06.2015	KILN + RAW MILL (ESP)	Kiln Under maintenance					76.0		
12.06.2015	KILN + RAW MILL (ESP)	5.23	387	16.42	66.13	67.0		0.383	
19.06.2015	KILN + RAW MILL (ESP)	5.23	395	16.44	64.87	83.3		0.467	

26.06.2015	KILN + RAW MILL (ESP)	5.23	393	16.92	67.10	77.8		0.451	
	July' 2015								
02.07.2015	KILN + RAW MILL (E.S.P)	5.23	396	16.89	66.47	83.00	82.0	0.477	
09.07.2015	KILN + RAW MILL (E.S.P)	5.23	390	16.67	66.62	75.60		0.435	
16.07.2015	KILN + RAW MILL (E.S.P)	5.23	392	17.04	67.75	89.90		0.526	
23.07.2015	KILN + RAW MILL (E.S.P)	5.23	394	16.94	67.01	79.60		0.461	
	August' 2015								
04.08.2015	KILN + RAW MILL (E.S.P)	5.23	389	16.46	65.95	78.00	80.0	0.444	
11.08.2015	KILN + RAW MILL (E.S.P)	5.23	392	16.85	66.99	87.80		0.508	
18.08.2015	KILN + RAW MILL (E.S.P)	5.23	395	17.15	67.67	81.80		0.478	
25.08.2015	KILN + RAW MILL (E.S.P)	5.23	391	16.74	66.73	72.40		0.417	
	September' 2015								
01.09.2015	KILN + RAW MILL (E.S.P)	5.23	387	16.79	67.62	90.30	84.0	0.528	
07.09.2015	KILN + RAW MILL (E.S.P)	5.23	388	16.58	66.60	78.40		0.451	
14.09.2015	KILN + RAW MILL (E.S.P)	5.23	392	16.94	67.35	86.90		0.506	
21.09.2015	KILN + RAW MILL (E.S.P)	5.23	390	17.13	68.46	80.30		0.475	
	April' 2015								
01.04.2015	FOLAX COOLER (ESP)	7.07	381	8.2	45.1	70.2	63.0	0.274	
08.04.2015	FOLAX COOLER (ESP)	7.07	386	8.6	46.7	55.7		0.225	
15.04.2015	FOLAX COOLER (ESP)	Kiln Under maintenance							
30.04.2015	FOLAX COOLER (ESP)								

	May' 2015								
05.05.2015	FOLAX COOLER (ESP)	Kiln Under Maintenance							
12.05.2015	FOLAX COOLER (ESP)								
19.05.2015	FOLAX COOLER (ESP)								
31.05.2015	FOLAX COOLER (ESP)								
	June' 2015								
05.06.2015	FOLAX COOLER (ESP)	Under maintenance					55.0		
12.06.2015	FOLAX COOLER (ESP)	7.070	393	9.1	48.8	57.3		0.241	
19.06.2015	FOLAX COOLER (ESP)	7.070	390	8.6	46.6	65.5		0.264	
26.06.2015	FOLAX COOLER (ESP)	7.070	392	8.8	47.5	42.1		0.173	
	July' 2015								
02.07.2015	FOLAX COOLER (E.S.P)	7.070	394	8.2	43.9	48.0	38.0	0.182	
09.07.2015	FOLAX COOLER (E.S.P)	7.070	396	9.1	48.2	39.7		0.165	
16.07.2015	FOLAX COOLER (E.S.P)	7.070	392	8.7	47.0	36.0		0.146	
23.07.2015	FOLAX COOLER (E.S.P)	7.070	395	8.6	45.9	28.3		0.112	
	August' 2015								
04.08.2015	FOLAX COOLER (E.S.P)	7.070	391	8.7	47.0	29.1	31.0	0.118	
11.08.2015	FOLAX COOLER (E.S.P)	7.070	390	8.2	44.1	36.7		0.140	
18.08.2015	FOLAX COOLER (E.S.P)	7.070	395	8.9	47.3	26.1		0.107	
25.08.2015	FOLAX COOLER (E.S.P)	7.070	393	8.7	46.4	32.2		0.129	
	September' 2015								

01.09.2015	FOLAX COOLER (E.S.P)	7.070	394	6.3	33.5	44.2	41.0	0.128	
07.09.2015	FOLAX COOLER (E.S.P)	7.070	392	7.1	38.0	51.6		0.169	
14.09.2015	FOLAX COOLER (E.S.P)	7.070	393	6.7	36.1	31.3		0.098	
21.09.2015	FOLAX COOLER (E.S.P)	7.070	395	7.3	39.0	36.7		0.124	
	April' 2015								
01.04.2015	COAL MILL (B.F.)	0.45	334	23.4	9.4	26.0	24.0	0.021	
08.04.2015	COAL MILL (B.F.)	0.45	332	23.3	9.4	22.0		0.018	
15.04.2015	COAL MILL (B.F.)	Mill Under Maintenance							
30.04.2015	COAL MILL (B.F.)								
	May' 2015								
05.05.2015	COAL MILL (B.F.)	Mill Under Maintenance							
12.05.2015	COAL MILL (B.F.)								
19.05.2015	COAL MILL (B.F.)								
31.05.2015	COAL MILL (B.F.)								
	June' 2015								
05.06.2015	COAL MILL (B.F.)	Mill Under maintenance					26.0		
12.06.2015	COAL MILL (B.F.)	0.5	332	24.0	9.7	29.2		0.024	
19.06.2015	COAL MILL (B.F.)	0.5	335	24.3	9.7	26.6		0.022	
26.06.2015	COAL MILL (B.F.)	0.5	330	23.8	9.7	22.2		0.019	
	July' 2015			-					
02.07.2015	COAL MILL (B.F.)	0.5	334	23.8	9.6	19.7	22.0	0.016	

09.07.2015	COAL MILL (B.F.)	0.5	337	24.2	9.6	29.8		0.025	
16.07.2015	COAL MILL (B.F.)	0.5	336	24.0	9.6	22.9		0.019	
23.07.2015	COAL MILL (B.F.)	0.5	333	23.8	9.6	15.6		0.013	
	August' 2015								
04.08.2015	COAL MILL (B.F.)	0.5	331	23.8	9.6	29.6	25.0	0.025	
11.08.2015	COAL MILL (B.F.)	0.5	333	24.0	9.7	22.7		0.019	
18.08.2015	COAL MILL (B.F.)	0.5	335	24.3	9.7	19.9		0.017	
25.08.2015	COAL MILL (B.F.)	0.5	332	24.0	9.7	27.8		0.023	
	September' 2015								
01.09.2015	COAL MILL (B.F.)	0.5	339	28.0	11.1	14.8	20.0	0.014	
07.09.2015	COAL MILL (B.F.)	0.5	342	27.3	10.7	22.1		0.020	
14.09.2015	COAL MILL (B.F.)	0.5	345	28.0	10.9	25.4		0.024	
21.09.2015	COAL MILL (B.F.)	0.5	340	27.6	10.9	17.5		0.016	
	April' 2015								
01.04.2015	CEMENT MILL No.-1 (B.F.)	Mill Under Maintenance							
08.04.2015	CEMENT MILL No.-1 (B.F.)								
15.04.2015	CEMENT MILL No.-1 (B.F.)								
30.04.2015	CEMENT MILL No.-1 (B.F.)								
	May' 2015								
05.05.2015	CEMENT MILL - 1 (B.F.)	Mill Under Maintenance							

12.05.2015	CEMENT MILL - 1 (B.F.)								
19.05.2015	CEMENT MILL - 1 (B.F.)								
31.05.2015	CEMENT MILL - 1 (B.F.)								
	June' 2015								
04.06.2015	CEMENT MILL No.-1 (B.F.)	Mill Under Maintenance							
11.06.2015	CEMENT MILL No.-1 (B.F.)								
18.06.2015	CEMENT MILL No.-1 (B.F.)								
25.06.2015	CEMENT MILL No.-1 (B.F.)								
	July' 2015								
02.07.2015	CEMENT MILL - 1 (B.F.)	Mill Under Maintenance							
09.07.2015	CEMENT MILL - 1 (B.F.)								
16.07.2015	CEMENT MILL - 1 (B.F.)								
31.07.2015	CEMENT MILL - 1 (B.F.)								
	August' 2015								
4.08.2015	CEMENT MILL - 1 (B.F.)	Mill Under Maintenance							
11.08.2015	CEMENT MILL - 1 (B.F.)								
18.08.2015	CEMENT MILL - 1 (B.F.)								
25.08.2015	CEMENT MILL - 1 (B.F.)								
	September' 2015								
02.09.2015	CEMENT MILL - 1 (B.F.)	Mill Under Maintenance							
09.09.2015	CEMENT MILL - 1 (B.F.)								

16.09.2015	CEMENT MILL - 1 (B.F.)								
30.09.2015	CEMENT MILL - 1 (B.F.)								
	April' 2015								
03.04.2015	CEMENT MILL No.-2 (ESP)	0.50	363	7.20	2.96	28.90	32.0	0.007	
13.04.2015	CEMENT MILL No.-2 (ESP)	0.50	365	7.44	3.04	34.60		0.009	
21.04.2015	CEMENT MILL No.-2 (ESP)	0.50	362	7.12	2.93	26.10		0.007	
27.04.2015	CEMENT MILL No.-2 (ESP)	0.50	367	7.02	2.85	38.30		0.009	
	May' 2015								
05.05.2015	CEMENT MILL No.-2 (ESP)	0.50	366	7.74	3.15	26.30	28.0	0.007	
13.05.2015	CEMENT MILL No.-2 (ESP)	0.50	364	8.14	3.33	29.70		0.009	
22.05.2015	CEMENT MILL No.-2 (ESP)	0.50	363	7.96	3.27	27.50		0.008	
29.05.2015	CEMENT MILL No.-2 (ESP)	0.50	365	7.47	3.05	28.30		0.007	
	June' 2015								
04.06.2015	CEMENT MILL No.-2 (ESP)	0.50	361	7.36	3.04	22.30	24.0	0.006	
11.06.2015	CEMENT MILL No.-2 (ESP)	0.50	364	7.62	3.12	27.70		0.007	
18.06.2015	CEMENT MILL No.-2 (ESP)	0.50	365	7.25	2.96	21.60		0.006	
27.06.2015	CEMENT MILL No.-2 (ESP)	0.50	362	7.45	3.07	24.40		0.006	
	July' 2015								
02.07.2015	CEMENT MILL - 2 (E.S.P)	0.50	363	7.96	3.27	38.8	30.0	0.011	
09.07.2015	CEMENT MILL - 2 (E.S.P)	0.50	361	7.51	3.10	31.1		0.008	

16.07.2015	CEMENT MILL - 2 (E.S.P)	0.50	364	7.69	3.15	27.5		0.007		
23.07.2015	CEMENT MILL - 2 (E.S.P)	0.50	360	7.79	3.22	22.7		0.006		
	August' 2015									
4.08.2015	CEMENT MILL - 2 E.S.P	0.50	364	8.05	3.30	41.1	35.0	0.012		
11.08.2015	CEMENT MILL - 2 E.S.P	0.50	363	8.17	3.35	29.0		0.008		
18.08.2015	CEMENT MILL - 2 E.S.P	0.50	362	7.60	3.13	37.1		0.010		
28.08.2015	CEMENT MILL - 2 E.S.P	0.50	366	8.00	3.26	32.7		0.009		
	September' 2015									
03.09.2015	CEMENT MILL - 2 E.S.P	0.50	363	7.38	3.03	32.9	32.0	0.009		
09.09.2015	CEMENT MILL - 2 E.S.P	0.50	361	7.73	3.19	38.9		0.011		
16.09.2015	CEMENT MILL - 2 E.S.P	0.50	360	7.86	3.25	29.5		0.008		
28.09.2015	CEMENT MILL - 2 E.S.P	0.50	364	7.62	3.12	26.8		0.007		
	April' 2015									
02.04.2015	CRUSHER-1 (B.F.)	0.38	312	12.88	4.67	24.70	26.00	0.010		
09.04.2015	CRUSHER-1 (B.F.)	0.38	315	13.12	4.72	27.30		0.011		
16.04.2015	CRUSHER-1 (B.F.)	Under Maintenance								
30.04.2015	CRUSHER-1 (B.F.)									
	May' 2015									
05.05.2015	CRUSHER-1 (B.F.)	Under Maintenance								
12.05.2015	CRUSHER-1 (B.F.)									
19.05.2015	CRUSHER-1 (B.F.)									
31.05.2015	CRUSHER-1 (B.F.)									
	June' 2015									
11.06.2015	CRUSHER-1 (B.F.)	0.38	312	13.87	5.03	24.10	27.0	0.010		
16.06.2015	CRUSHER-1 (B.F.)	0.38	315	13.85	4.98	29.40		0.013		

23.06.2015	CRUSHER-1 (B.F.)	0.38	317	13.80	4.93	28.60		0.012	
30.06.2015	CRUSHER-1 (B.F.)	0.38	318	13.78	4.91	25.70		0.011	
	July' 2015								
02.07.2015	CRUSHER-1 (B.F.)	0.38	319	14.34	5.09	20.10	25.0	0.009	
09.07.2015	CRUSHER-1 (B.F.)	0.38	311	13.98	5.09	29.70		0.013	
16.07.2015	CRUSHER-1 (B.F.)	0.38	313	13.81	5.00	26.40		0.011	
23.07.2015	CRUSHER-1 (B.F.)	0.38	315	14.03	5.04	23.70		0.010	
	August' 2015								
04.08.2015	CRUSHER-1 (B.F.)	0.38	315	14.03	5.04	27.60	23.0	0.012	
11.08.2015	CRUSHER-1 (B.F.)	0.38	318	13.87	4.94	21.00		0.009	
18.08.2015	CRUSHER-1 (B.F.)	0.38	312	13.83	5.02	24.80		0.011	
25.08.2015	CRUSHER-1 (B.F.)	0.38	314	14.10	5.08	18.40		0.008	
	September' 2015								
01.09.2015	CRUSHER-1 (B.F.)	0.38	311	13.63	4.96	27.00	28.0	0.012	
07.09.2015	CRUSHER-1 (B.F.)	0.38	312	13.46	4.89	37.80		0.016	
14.09.2015	CRUSHER-1 (B.F.)	0.38	314	13.83	4.99	25.40		0.011	
22.09.2015	CRUSHER-1 (B.F.)	0.38	313	13.58	4.91	21.70		0.009	

J.K. Cement WORKS, MANGROL (RAJ) (Unit-2)
DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE
April' 2015 - September' 2015

DATE	NAME OF THE STACK / DUCT ATTECHED WITH UNIT AND MONTH	CROSS SECTIONAL AREA OF DUCT (M2)	STACK GASES TEMP. (° K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM³/Sec.)	DUST CONC. (Mg/NM³)	MEAN DUST CONC. (Mg/NM³)	EMISSION RATE (Ts/DAY)	REMARK
	April' 2015								
07.04.2015	KILN + RAW MILL-2 (B.F.)	14.18	453	12.78	119.21	19.4	20.0	0.200	
14.04.2015	KILN + RAW MILL-2 (B.F.)	14.18	455	12.34	114.6	22.6		0.224	
21.04.2015	KILN + RAW MILL-2 (B.F.)	14.18	451	12.55	117.59	17.9		0.182	
30.04.2015	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenance							
	May' 2015								
05.05.2015	KILN + RAW MILL-2 (B.F.)	14.18	457	12.70	117.43	22.20	23.0	0.23	
12.05.2015	KILN + RAW MILL-2 (B.F.)	14.18	454	12.13	112.90	24.80		0.24	
19.05.2015	KILN + RAW MILL-2 (B.F.)	14.18	456	12.36	114.54	18.10		0.18	
26.05.2015	KILN + RAW MILL-2 (B.F.)	14.18	453	12.58	117.35	26.70		0.27	
	June' 2015								
03.06.2015	KILN + RAW MILL-2 (B.F.)	14.18	442	12.51	119.60	16.50	17.0	0.171	
10.06.2015	KILN + RAW MILL-2 (B.F.)	14.18	450	13.04	122.45	15.30		0.162	
17.06.2015	KILN + RAW MILL-2 (B.F.)	14.18	448	13.15	124.03	22.20		0.238	

24.06.2015	KILN + RAW MILL-2 (B.F.)	14.18	451	12.92	121.05	14.00		0.146	
	July' 2015								
04.07.2015	KILN + RAW MILL-2 (B.F.)	14.18	435	12.27	119.19	19.50	23.0	0.201	
11.07.2015	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenance							
18.07.2015	KILN + RAW MILL-2 (B.F.)	14.18	440	12.90	123.89	27.80		0.298	
25.07.2015	KILN + RAW MILL-2 (B.F.)	14.18	449	12.68	119.33	21.60		0.223	
	August' 2015								
06.08.2015	KILN + RAW MILL-2 (B.F.)	14.18	395	12.09	129.34	17.20	21.0	0.192	
13.08.2015	KILN + RAW MILL-2 (B.F.)	14.18	393	12.19	131.07	26.60		0.301	
20.08.2015	KILN + RAW MILL-2 (B.F.)	14.18	395	12.48	133.51	18.70		0.216	
27.08.2015	KILN + RAW MILL-2 (B.F.)	14.18	392	11.78	126.98	21.40		0.24	
	September' 2015								
07.09.2015	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenance					15.00		
14.09.2015	KILN + RAW MILL-2 (B.F.)	14.18	413	12.95	132.50	16.70		0.191	
21.09.2015	KILN + RAW MILL-2 (B.F.)	14.18	410	12.05	124.19	13.30		0.143	
30.09.2015	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenance							
	April' 2015								
07.04.2015	FOLAX COOLER -2 (ESP)	8.8	555	10.54	49.8	22.9	22.0	0.099	
14.04.2015	FOLAX COOLER -2 (ESP)	8.8	553	10.33	48.99	18.2		0.077	
21.04.2015	FOLAX COOLER -2 (ESP)	8.8	554	10.91	51.64	24.8		0.111	

30.04.2015	FOLAX COOLER -2 (ESP)	Kiln Under Maintenance							
	May' 2015								
05.05.2015	FOLAX COOLER -2 (ESP)	8.80	557	10.75	50.61	28.90	25.0	0.126	
12.05.2015	FOLAX COOLER -2 (ESP)	8.80	549	10.95	52.30	23.90		0.108	
19.05.2015	FOLAX COOLER -2 (ESP)	8.80	556	10.65	50.23	19.90		0.086	
26.05.2015	FOLAX COOLER -2 (ESP)	8.80	555	10.35	48.90	27.20		0.115	
	June' 2015								
03.06.2015	FOLAX COOLER -2 (ESP)	8.80	395	9.87	65.53	18.70	20.0	0.106	
10.06.2015	FOLAX COOLER -2 (ESP)	8.80	400	9.27	60.77	23.80		0.125	
17.06.2015	FOLAX COOLER -2 (ESP)	8.80	398	9.75	64.24	20.10		0.112	
24.06.2015	FOLAX COOLER -2 (ESP)	8.80	397	9.57	63.22	17.20		0.094	
	July' 2015								
04.07.2015	FOLAX COOLER -2 (ESP)	8.80	398	9.83	64.77	26.90	27.0	0.151	
11.07.2015	FOLAX COOLER -2 (ESP)	Under Maintenance							
18.07.2015	FOLAX COOLER -2 (ESP)	8.80	401	9.45	61.80	29.80		0.159	
25.07.2015	FOLAX COOLER -2 (ESP)	8.80	399	10.00	65.72	24.20		0.137	
	August' 2015								
06.08.2015	FOLAX COOLER -2 (ESP)	8.80	396	10.12	67.02	19.70	24.0	0.114	
13.08.2015	FOLAX COOLER -2 (ESP)	8.80	394	9.62	64.03	25.00		0.138	
20.08.2015	FOLAX COOLER -2 (ESP)	8.80	398	9.75	64.24	28.10		0.156	
27.08.2015	FOLAX COOLER -2 (ESP)	8.80	397	9.82	64.87	23.10		0.13	
	September' 2015								

07.09.2015	FOLAX COOLER -2 (ESP)	Under Maintenance					19.00		
14.09.2015	FOLAX COOLER -2 (ESP)	8.80	393	10.08	67.26	22.10		0.128	
21.09.2015	FOLAX COOLER -2 (ESP)	8.80	394	9.94	66.16	15.90		0.091	
30.09.2015	FOLAX COOLER -2 (ESP)	Under Maintenance							
	April' 2015								
07.04.2015	COAL MILL -2 (B.F.)	2.00	345	14.4	24.87652	13.9	17	0.030	
14.04.2015	COAL MILL -2 (B.F.)	2.00	347	14.52	24.93925	22.2		0.048	
21.04.2015	COAL MILL -2 (B.F.)	2.00	344	14.29	24.75826	14.9		0.032	
30.04.2015	COAL MILL -2 (B.F.)	Mill Under Maintenance							
	May' 2015								
05.05.2015	COAL MILL -2 (B.F.)	2.00	349	14.26	24.35	17.40	19.0	0.037	
12.05.2015	COAL MILL -2 (B.F.)	2.00	346	14.68	25.29	22.50		0.049	
19.05.2015	COAL MILL -2 (B.F.)	2.00	348	14.46	24.76	15.90		0.034	
26.05.2015	COAL MILL -2 (B.F.)	2.00	345	14.53	25.10	20.20		0.04	
	June' 2015								
03.06.2015	COAL MILL -2 (B.F.)	2.00	345	13.86	23.94	20.90	22.0	0.043	
10.06.2015	COAL MILL -2 (B.F.)	2.00	346	14.13	24.34	25.50		0.054	
17.06.2015	COAL MILL -2 (B.F.)	2.00	349	14.53	24.81	18.70		0.040	
24.06.2015	COAL MILL -2 (B.F.)	2.00	347	14.35	24.65	22.80		0.049	
	July' 2015								
04.07.2015	COAL MILL -2 (B.F.)	2.00	342	14.10	24.57	18.30	20.0	0.039	

11.07.2015	COAL MILL -2 (B.F.)	Under Maintenance							
18.07.2015	COAL MILL -2 (B.F.)	2.00	345	14.26	24.63	16.90		0.036	
25.07.2015	COAL MILL -2 (B.F.)	2.00	343	14.02	24.36	24.90		0.052	
	August' 2015								
06.08.2015	COAL MILL -2 (B.F.)	2.00	340	14.15	24.80	14.60	18.0	0.031	
13.08.2015	COAL MILL -2 (B.F.)	2.00	343	14.31	24.87	16.70		0.036	
20.08.2015	COAL MILL -2 (B.F.)	2.00	344	14.19	24.59	21.90		0.047	
27.08.2015	COAL MILL -2 (B.F.)	2.00	341	13.98	24.43	18.70		0.04	
	September' 2015								
07.09.2015	COAL MILL -2 (B.F.)	Mill Under Maintenance					16.0		
14.09.2015	COAL MILL -2 (B.F.)	2.00	340	14.10	24.72	18.00		0.038	
21.09.2015	COAL MILL -2 (B.F.)	2.00	343	13.97	24.27	13.90		0.029	
30.09.2015	COAL MILL -2 (B.F.)	Mill Under Maintenance							
	April' 2015								
02.04.2015	CEMENT MILL No.-3 (B.F.)	6.6	362	8.74	47.49	28.9	26.0	0.119	
11.04.2015	CEMENT MILL No.-3 (B.F.)	6.6	363	9.12	49.41	25		0.107	
18.04.2015	CEMENT MILL No.-3 (B.F.)	6.6	367	8.95	47.96	23.2		0.096	
25.04.2015	CEMENT MILL No.-3 (B.F.)	6.6	365	8.7	46.88	26.7		0.108	
	May' 2015								
05.05.2015	CEMENT MILL No.-3 (B.F.)	6.60	366	9.02	48.47	26.00	25.0	0.109	
12.05.2015	CEMENT MILL No.-3 (B.F.)	6.60	364	9.28	50.14	28.00		0.121	
19.05.2015	CEMENT MILL No.-3 (B.F.)	6.60	363	9.05	49.03	21.80		0.092	

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	April' 2015								
07.04.2015	CRUSHER -2 BAG FILTER	1.226	312	9.71	11.37	23.2	25.0	0.023	
14.04.2015	CRUSHER -2 BAG FILTER	1.226	316	10.0	11.56	27.4		0.027	
21.04.2015	CRUSHER -2 BAG FILTER	1.226	310	9.62	11.34	24.4		0.024	
30.04.2015	CRUSHER -2 BAG FILTER	Under Maintenance							
	May' 2015								
07.05.2015	CRUSHER -2 BAG FILTER	1.23	310	9.62	11.34	18.60	23.0	0.018	
14.05.2015	CRUSHER -2 BAG FILTER	1.23	314	9.80	11.40	25.10		0.025	
21.05.2015	CRUSHER -2 BAG FILTER	1.23	312	9.53	11.16	26.70		0.026	
28.05.2015	CRUSHER -2 BAG FILTER	1.23	311	9.92	11.65	21.70		0.022	
	June' 2015								
06.06.2015	CRUSHER -2 BAG FILTER	1.23	315	10.26	11.90	23.40	26.0	0.024	
13.06.2015	CRUSHER -2 BAG FILTER	1.23	313	10.53	12.29	29.00		0.031	
20.06.2015	CRUSHER -2 BAG FILTER	1.23	317	10.42	12.01	26.90		0.028	
26.06.2015	CRUSHER -2 BAG FILTER	1.23	315	10.20	11.83	24.50		0.025	
	July' 2015								
04.07.2015	CRUSHER -2 BAG FILTER	1.23	316	10.52	12.16	25.80	28.0	0.027	
11.07.2015	CRUSHER -2 BAG FILTER	Under Maintenance							
17.07.2015	CRUSHER -2 BAG FILTER	1.23	318	10.25	11.78	28.80		0.029	
25.07.2015	CRUSHER -2 BAG FILTER	1.23	313	10.35	12.08	29.30		0.031	
	August' 2015								

07.08.2015	CRUSHER -2 BAG FILTER	1.23	317	10.48	12.08	22.40	24.0	0.023	
14.08.2015	CRUSHER -2 BAG FILTER	1.23	315	10.14	11.76	28.30		0.029	
20.08.2015	CRUSHER -2 BAG FILTER	1.23	313	10.53	12.29	25.30		0.027	
28.08.2015	CRUSHER -2 BAG FILTER	1.23	319	10.39	11.90	19.90		0.020	
	September' 2015								
05.09.2015	CRUSHER -2 BAG FILTER	Under Maintenance					20.0		
12.09.2015	CRUSHER -2 BAG FILTER	1.23	312	10.33	12.10	23.70		0.025	
19.09.2015	CRUSHER -2 BAG FILTER	1.23	315	10.08	11.69	17.10		0.017	
26.09.2015	CRUSHER -2 BAG FILTER	1.23	313	10.17	11.87	19.10		0.020	
	May' 2015								
07.05.2015	PACKER -1 BAG FILTER	0.785	322	11.09	8.06	17.4	22.0	0.012	
14.05.2015	PACKER -1 BAG FILTER	0.785	325	11.25	8.1	27		0.019	
21.05.2015	PACKER -1 BAG FILTER	0.785	324	11.65	8.41	19.9		0.014	
28.05.2015	PACKER -1 BAG FILTER	0.785	326	11	7.89	23.6		0.016	
	June' 2015								
06.06.2015	PACKER -1 BAG FILTER	0.785	326	11.84	8.5	22.7	25.0	0.017	
13.06.2015	PACKER -1 BAG FILTER	0.785	323	11.51	8.34	23.3		0.017	
20.06.2015	PACKER -1 BAG FILTER	0.785	328	11.71	8.35	29.4		0.021	
27.06.2015	PACKER -1 BAG FILTER	0.785	327	12.07	8.63	24.7		0.018	
	July' 2015								
7.07.2015	PACKER -1 BAG FILTER	0.785	322	11.87	8.62	19.2	21.0	0.014	

13.07.2015	PACKER -1 BAG FILTER	0.785	326	11.73	8.42	25.8		0.019	
21.07.2015	PACKER -1 BAG FILTER	0.785	325	11.82	8.51	22.3		0.016	
28.07.2015	PACKER -1 BAG FILTER	0.785	329	11.73	8.34	16.7		0.012	
	August' 2015								
01.08.2015	PACKER -1 BAG FILTER	0.785	326	11.84	8.5	28.8	26.0	0.021	
11.08.2015	PACKER -1 BAG FILTER	0.785	322	11.26	8.18	25.9		0.018	
18.08.2015	PACKER -1 BAG FILTER	0.785	324	11.52	8.32	27.2		0.020	
27.08.2015	PACKER -1 BAG FILTER	0.785	321	11.58	8.44	22.2		0.016	
	September' 2015								
01.09.2015	PACKER -1 BAG FILTER	0.785	325	11.49	8.27	19.6	18.0	0.014	
07.09.2015	PACKER -1 BAG FILTER	0.785	323	11.67	8.45	16		0.012	
14.09.2015	PACKER -1 BAG FILTER	0.785	326	11.45	8.22	22.3		0.016	
21.09.2015	PACKER -1 BAG FILTER	0.785	324	11.91	8.6	14		0.010	
	May' 2015								
07.05.2015	PACKER -2 BAG FILTER	0.785	326	12.18	8.74	24.1	24.0	0.018	
14.05.2015	PACKER -2 BAG FILTER	0.785	325	11.82	8.51	28.1		0.021	
21.05.2015	PACKER -2 BAG FILTER	0.785	322	11.46	8.33	20.9		0.015	
28.05.2015	PACKER -2 BAG FILTER	0.785	324	12	8.66	23		0.017	
	June' 2015								
06.06.2015	PACKER -2 BAG FILTER	0.785	325	12.87	9.26	19.6	21.0	0.016	
13.06.2015	PACKER -2 BAG FILTER	0.785	323	12.57	9.1	25.3		0.020	

20.06.2015	PACKER -2 BAG FILTER	0.785	326	12.79	9.18	18		0.014	
27.06.2015	PACKER -2 BAG FILTER	0.785	322	12.66	9.2	20.9		0.017	
	July' 2015								
7.07.2015	PACKER -2 BAG FILTER	0.785	327	12.6	9.01	23.9	26.0	0.019	
13.07.2015	PACKER -2 BAG FILTER	0.785	329	12.9	9.17	26.2		0.021	
21.07.2015	PACKER -2 BAG FILTER	0.785	325	12.92	9.3	28.9		0.023	
28.07.2015	PACKER -2 BAG FILTER	0.785	324	12.65	9.13	25		0.020	
	August' 2015								
04.08.2015	PACKER -2 BAG FILTER	0.785	325	12.72	9.16	20.9	20.0	0.017	
12.08.2015	PACKER -2 BAG FILTER	0.785	322	12.5	9.08	16.2		0.013	
19.08.2015	PACKER -2 BAG FILTER	0.785	327	12.86	9.2	24.5		0.019	
27.08.2015	PACKER -2 BAG FILTER	0.785	324	12.75	9.21	18.5		0.015	
	September' 2015								
01.09.2015	PACKER -2 BAG FILTER	0.785	322	12.81	9.31	26.1	22.0	0.021	
07.09.2015	PACKER -2 BAG FILTER	0.785	325	12.41	8.93	17.3		0.013	
14.09.2015	PACKER -2 BAG FILTER	0.785	324	13	9.39	23.1		0.019	
21.09.2015	PACKER -2 BAG FILTER	0.785	323	12.73	9.22	21.4		0.017	
	May' 2015								
07.05.2015	PACKER -3 BAG FILTER	0.785	328	11.72	8.36	20.3	21.0	0.0147	
14.05.2015	PACKER -3 BAG FILTER	0.785	326	11.73	8.42	23.9		0.0174	
21.05.2015	PACKER -3 BAG FILTER	0.785	325	11.36	8.18	17.6		0.0124	

28.05.2015	PACKER -3 BAG FILTER	0.785	323	11.37	8.23	22.3		0.0159	
	June' 2015								
06.06.2015	PACKER -3 BAG FILTER	0.785	326	12.27	8.8	19.4	22.9	0.0148	
13.06.2015	PACKER -3 BAG FILTER	0.785	328	12.2	8.7	25.2		0.0189	
20.06.2015	PACKER -3 BAG FILTER	0.785	324	12.02	8.68	27.1		0.0203	
27.06.2015	PACKER -3 BAG FILTER	0.785	322	12.35	8.97	20.2		0.0157	
	July' 2015								
3.07.2015	PACKER -3 BAG FILTER	0.785	328	12.36	8.82	21.2	23.0	0.0162	
10.07.2015	PACKER -3 BAG FILTER	0.785	325	12.2	8.78	25.7		0.0195	
21.07.2015	PACKER -3 BAG FILTER	0.785	327	12.13	8.68	18.5		0.0139	
28.07.2015	PACKER -3 BAG FILTER	0.785	324	12.34	8.91	26.4		0.0203	
	August' 2015								
1.08.2015	PACKER -3 BAG FILTER	0.785	322	11.98	8.7	21.2	19.0	0.0159	
10.08.2015	PACKER -3 BAG FILTER	0.785	320	12.31	9	14.7		0.0114	
17.08.2015	PACKER -3 BAG FILTER	0.785	325	12.35	8.89	17.9		0.0138	
27.08.2015	PACKER -3 BAG FILTER	0.785	323	12.16	8.81	22.3		0.0170	
	September' 2015								
01.09.2015	PACKER -3 BAG FILTER	0.785	326	12.32	8.84	29.4	24.0	0.0225	
07.09.2015	PACKER -3 BAG FILTER	0.785	324	12.07	8.71	19.5		0.0147	
14.09.2015	PACKER -3 BAG FILTER	0.785	322	12.19	8.86	21.9		0.0168	
21.09.2015	PACKER -3 BAG FILTER	0.785	325	12.14	8.74	25.1		0.0190	

	May' 2015								
07.05.2015	PACKER -4 BAG FILTER	0.785	327	11.75	8.41	25.1	26.0	0.0182	
14.05.2015	PACKER -4 BAG FILTER	0.785	324	12.14	8.77	29.5		0.0224	
21.05.2015	PACKER -4 BAG FILTER	0.785	326	11.93	8.56	21.6		0.0160	
28.05.2015	PACKER -4 BAG FILTER	0.785	322	11.76	8.54	27.7		0.0204	
	June' 2015								
03.06.2015	PACKER -4 BAG FILTER	0.785	323	12.68	9.18	21.4	19.0	0.01697	
11.06.2015	PACKER -4 BAG FILTER	0.785	325	12.61	9.08	15.4		0.01208	
17.06.2015	PACKER -4 BAG FILTER	0.785	322	12.81	9.31	22		0.0177	
29.06.2015	PACKER -4 BAG FILTER	0.785	326	12.58	9.03	17.1		0.01334	
	July' 2015								
3.07.2015	PACKER -4 BAG FILTER	0.785	326	12.53	8.99	22.7	22.0	0.01763	
10.07.2015	PACKER -4 BAG FILTER	0.785	324	12.8	9.24	18.7		0.01493	
18.07.2015	PACKER -4 BAG FILTER	0.785	323	12.88	9.33	25.3		0.02039	
24.07.2015	PACKER -4 BAG FILTER	0.785	325	12.61	9.08	21.4		0.01679	
	August' 2015								
04.08.2015	PACKER -4 BAG FILTER	0.785	322	12.76	9.27	27.6	23.0	0.02211	
11.08.2015	PACKER -4 BAG FILTER	0.785	327	12.6	9.01	20.9		0.01627	
18.08.2015	PACKER -4 BAG FILTER	0.785	325	12.66	9.11	24.9		0.0196	
27.08.2015	PACKER -4 BAG FILTER	0.785	324	12.7	9.17	18.5		0.01466	
	September' 2015								

02.09.2015	PACKER -4 BAG FILTER	0.785	326	12.63	9.06	19.8	17.0	0.0155	
09.09.2015	PACKER -4 BAG FILTER	0.785	325	12.72	9.16	14.3		0.01132	
16.09.2015	PACKER -4 BAG FILTER	0.785	324	12.8	9.24	21.2		0.01692	
22.09.2015	PACKER -4 BAG FILTER	0.785	323	12.42	9	12.7		0.00988	

J.K. Cement WORKS, MANGROL (RAJ)
AMBIENT AIR QUALITY AVERAGE RESULTS (SPM) COMMON FOR UNIT-1 & UNIT-2
(ALL VALUES IN MICROGRAMS / CUBIC METER)
(April' 2015 - September' 15)

S.No. & Month	LOCATION / PERAMETER	NEAR TIME OFFICE	NEAR THERMAL POWER PLANT	NEAR RAW MATERIAL GATE	NEAR PACKING PLANT GATE	Remarks
April' 2015						
1	SPM	370.8	351.8	356.0	342.5	
2	SO2	15.8	13.1	14.7	11.3	
3	NOX	26.6	25.1	25.2	22.7	
4	CO	500.0	600.0	700.0	700.0	
May' 2015						
1	SPM	353.2	371.3	335.5	348.0	
2	SO2	14.3	17.7	12.6	15.2	
3	NOX	26.8	28.4	23.8	25.3	
4	CO	500.0	600.0	600.0	700.0	
June' 2015						
1	SPM	353.2	333.0	334.8	319.8	

2	SO2	15.3	13.4	13.9	12.3	
3	NOX	29.2	25.5	26.8	23.3	
4	CO	500.0	600.0	700.0	700.0	
July' 2015						
1	SPM	358.5	338.0	350.2	329.7	
2	SO2	14.4	12.5	13.4	11.4	
3	NOX	25.5	23.3	23.9	21.3	
4	CO	500.0	500.0	700.0	700.0	
August' 2015						
1	SPM	354.5	333.2	342.5	310.5	
2	SO2	14.4	11.8	13.0	10.9	
3	NOX	26.8	23.2	25.3	22.5	
4	CO	600.0	600.0	600.0	700.0	
September' 2015						
1	SPM	368.5	342.7	323.5	344.8	
2	SO2	15.0	13.0	11.3	12.6	
3	NOX	26.8	23.8	22.3	24.4	

4	CO	650.0	550.0	650.0	650.0	
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Six monthly Average						
1	SPM	359.8	345.0	340.4	332.5	
2	SO2	14.8	13.6	13.1	12.3	
3	NOX	27.0	24.9	24.6	23.3	
4	CO	541.7	575.0	658.3	691.7	

J.K. Cement Works, Mangrol (Unit-1)
Fugitive Emission Monitoring Report
(April' 2015- September' 2015)

S.No.	Month/Year	SPM ($\mu\text{g}/\text{m}^3$)			
		NEAR COAL YARD-1	NEAR LIMESTONE CRUSHING SITE-1	NEAR STACKER RECLAIMER-1	NEAR GYPSUM YARD-1
1	Apr-15	1299.4	2398.5	2638.9	1418.1
2	May-15	1558.1	UM	UM	1371.5
3	Jun-15	1458.3	2196.3	2510.6	1264.1
4	Jul-15	1278.0	1851.9	2190.2	1131.5
5	Aug-15	1349.9	2350.7	2787.1	1384.3
6	Sep-15	1263.9	2403.6	2500.0	1788.2

J.K. Cement Works, Mangrol (Unit-2)
Fugitive Emission Monitoring Report
(April' 2015- September' 2015)

S.No.	Month/Year	SPM ($\mu\text{g}/\text{m}^3$)			
		NEAR COAL YARD-2	NEAR LIMESTONE CRUSHING SITE-2	NEAR STACKER RECLAIMER-2	NEAR GYPSUM YARD-2
1	Apr-15	1468.6	1707.7	1601.8	1779.6
2	May-15	1405.8	1764.1	1754.0	1670.1
3	Jun-15	1381.9	1556.5	1526.6	1566.0
4	Jul-15	1222.5	1475.7	1372.0	1456.6
5	Aug-15	1416.7	1700.8	1739.6	1729.2
6	Sep-15	1566.8	1876.7	1810.1	1485.2