

J.K. Cement WORKS, MANGROL (RAJ) (Unit-2)
DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE
October' 2014 - March' 2015

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
	OCTOBER' 2014								
Plant under comissioning									
	NOVEMBER' 2014								
03.11.2014	KILN + RAW MILL-2 (B.F.)	14.18	458.00	12.65	116.71	20.80	24.73	0.210	
10.11.2014	KILN + RAW MILL-2 (B.F.)	14.18	455.00	12.48	115.90	25.80		0.258	
17.11.2014	KILN + RAW MILL-2 (B.F.)	14.18	459.00	12.73	117.19	27.60		0.279	
30.11.2014	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenance							
	DECEMBER' 2014								
02.12.2014	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenance					21.83		
08.12.2014	KILN + RAW MILL-2 (B.F.)	14.18	456.00	12.62	116.95	21.80		0.220	
15.12.2014	KILN + RAW MILL-2 (B.F.)	14.18	458.00	12.59	116.16	24.00		0.241	
30.12.2014	KILN + RAW MILL-2 (B.F.)	14.18	455.00	12.74	118.32	19.70		0.201	
	JANUARY' 2015								
07.01.2015	KILN + RAW MILL-2 (B.F.)	14.18	454.00	12.33	114.76	16.80	20.63	0.167	
14.01.2015	KILN + RAW MILL-2 (B.F.)	14.18	457.00	12.51	115.67	22.40		0.224	
21.01.2015	KILN + RAW MILL-2 (B.F.)	14.18	456.00	12.69	117.60	24.00		0.244	
27.01.2015	KILN + RAW MILL-2 (B.F.)	14.18	455.00	12.28	114.05	19.30		0.190	

	FEBRUARY' 2015								
04.02.2015	KILN + RAW MILL-2 (B.F.)	14.18	450.00	12.14	114.00	16.40	21.40	0.162	
11.02.2015	KILN + RAW MILL-2 (B.F.)	14.18	448.00	12.25	115.54	25.60		0.256	
18.02.2015	KILN + RAW MILL-2 (B.F.)	14.18	452.00	12.50	116.86	22.20		0.224	
28.02.2015	KILN + RAW MILL-2 (B.F.)	Kiln Under Maintenace							
	MARCH' 2015								
03.03.2015	KILN + RAW MILL-2 (B.F.)	14.18	452.00	12.24	114.43	14.50	16.95	0.143	
10.03.2015	KILN + RAW MILL-2 (B.F.)	14.18	453.00	12.71	118.56	15.40		0.158	
17.03.2015	KILN + RAW MILL-2 (B.F.)	14.18	455.00	12.41	115.25	19.10		0.190	
24.03.2015	KILN + RAW MILL-2 (B.F.)	14.18	454.00	12.53	116.62	18.80		0.189	
	OCTOBER' 2014								
Plant under comissioning									
	NOVEMBER' 2014								
03.11.2014	FOLAX COOLER -2 (ESP)	8.80	553.00	10.52	49.89	26.00	26.13	0.112	
10.11.2014	FOLAX COOLER -2 (ESP)	8.80	556.00	10.26	48.39	23.20		0.097	
17.11.2014	FOLAX COOLER -2 (ESP)	8.80	555.00	10.64	50.27	29.20		0.127	
30.11.2014	FOLAX COOLER -2 (ESP)	Kiln Under Maintenance							

	DECEMBER' 2014								
02.12.2014	FOLAX COOLER -2 (ESP)	Kiln Under Maintenance					23.97		
08.12.2014	FOLAX COOLER -2 (ESP)	8.80	554.00	10.24	48.47	27.60		0.116	
15.12.2014	FOLAX COOLER -2 (ESP)	8.80	556.00	10.65	50.23	23.40		0.102	
30.12.2014	FOLAX COOLER -2 (ESP)	8.80	553.00	10.43	49.46	20.90		0.089	
	JANUARY' 2015								
07.01.2015	FOLAX COOLER -2 (ESP)	8.80	551.00	10.31	49.07	26.40	25.75	0.112	
14.01.2015	FOLAX COOLER -2 (ESP)	8.80	553.00	10.62	50.36	23.10		0.101	
21.01.2015	FOLAX COOLER -2 (ESP)	8.80	554.00	10.53	49.84	28.20		0.121	
27.01.2015	FOLAX COOLER -2 (ESP)	8.80	552.00	10.22	48.55	25.30		0.106	
	FEBRUARY' 2015								
04.02.2015	FOLAX COOLER -2 (ESP)	8.80	548.00	9.99	47.81	26.20	23.00	0.108	
11.02.2015	FOLAX COOLER -2 (ESP)	8.80	552.00	10.42	49.50	23.90		0.102	
18.02.2015	FOLAX COOLER -2 (ESP)	8.80	550.00	10.20	48.63	18.90		0.079	
28.02.2015	FOLAX COOLER -2 (ESP)	Kiln Under Maintenace							
	MARCH' 2015								
03.03.2015	FOLAX COOLER -2 (ESP)	8.80	552.00	10.42	49.50	26.10	25.98	0.112	
10.03.2015	FOLAX COOLER -2 (ESP)	8.80	551.00	10.11	48.12	28.00		0.116	
17.03.2015	FOLAX COOLER -2 (ESP)	8.80	553.00	10.33	48.99	24.20		0.102	
24.03.2015	FOLAX COOLER -2 (ESP)	8.80	554.00	10.63	50.32	25.60		0.111	

	OCTOBER' 2014								
Plant under comissioning									
	NOVEMBER' 2014								
03.11.2014	COAL MILL -2 (B.F.)	2.00	347.00	14.57	25.03	18.70	20.23	0.040	
10.11.2014	COAL MILL -2 (B.F.)	2.00	345.00	14.40	24.88	20.90		0.045	
17.11.2014	COAL MILL -2 (B.F.)	2.00	349.00	14.70	25.10	21.10		0.046	
30.11.2014	COAL MILL -2 (B.F.)	Mill Under Maintenance							
	DECEMBER' 2014								
02.12.2014	COAL MILL -2 (B.F.)	Mill Under Maintenance					22.40		
08.12.2014	COAL MILL -2 (B.F.)	2.00	344.00	14.46	25.05	22.30		0.048	
15.12.2014	COAL MILL -2 (B.F.)	2.00	348.00	14.46	24.76	20.50		0.044	
30.12.2014	COAL MILL -2 (B.F.)	2.00	347.00	14.74	25.32	24.40		0.053	
	JANUARY' 2015								
07.01.2015	COAL MILL -2 (B.F.)	2.00	342.00	14.46	25.20	18.60	21.18	0.040	
14.01.2015	COAL MILL -2 (B.F.)	2.00	341.00	14.31	25.01	21.80		0.047	
21.01.2015	COAL MILL -2 (B.F.)	2.00	347.00	14.31	24.58	20.60		0.044	
27.01.2015	COAL MILL -2 (B.F.)	2.00	345.00	14.44	24.95	23.70		0.051	

	FEBRUARY' 2015								
04.02.2015	COAL MILL -2 (B.F.)	2.00	338.00	13.94	24.58	18.20	18.00	0.039	
11.02.2015	COAL MILL -2 (B.F.)	2.00	341.00	14.22	24.85	14.90		0.032	
18.02.2015	COAL MILL -2 (B.F.)	2.00	343.00	14.13	24.55	20.90		0.044	
28.02.2015	COAL MILL -2 (B.F.)	Mill Under Maintenace							
	MARCH' 2015								
03.03.2015	COAL MILL -2 (B.F.)	2.00	343.00	14.09	24.48	12.10	15.00	0.026	
10.03.2015	COAL MILL -2 (B.F.)	2.00	342.00	14.46	25.20	18.60		0.040	
17.03.2015	COAL MILL -2 (B.F.)	2.00	346.00	14.42	24.84	13.80		0.030	
24.03.2015	COAL MILL -2 (B.F.)	2.00	344.00	14.46	25.05	15.50		0.034	
	OCTOBER' 2014								
Plant under comissioning									
	NOVEMBER' 2014								
05.11.2014	CEMENT MILL No.-3 (B.F.)	6.60	365.00	8.23	44.35	24.70	22.53	0.095	
12.11.2014	CEMENT MILL No.-3 (B.F.)	6.60	362.00	8.12	44.12	20.90		0.080	
19.11.2014	CEMENT MILL No.-3 (B.F.)	6.60	364.00	8.06	43.55	22.00		0.083	
30.11.2014	CEMENT MILL No.-3 (B.F.)	Mill Under Maintenance							

	DECEMBER' 2014								
02.12.2014	CEMENT MILL No.-3 (B.F.)	6.60	364.00	8.22	44.42	21.30	20.33	0.082	
10.12.2014	CEMENT MILL No.-3 (B.F.)	6.60	365.00	8.39	45.21	18.30		0.071	
17.12.2014	CEMENT MILL No.-3 (B.F.)	6.60	362.00	8.12	44.12	22.40		0.085	
27.12.2014	CEMENT MILL No.-3 (B.F.)	6.60	363.00	7.88	42.70	19.30		0.071	
	JANUARY' 2015								
07.01.2015	CEMENT MILL No.-3 (B.F.)	6.60	362.00	8.36	45.42	22.40	24.40	0.088	
13.01.2015	CEMENT MILL No.-3 (B.F.)	6.60	364.00	8.69	46.95	26.90		0.109	
19.01.2015	CEMENT MILL No.-3 (B.F.)	6.60	363.00	8.05	43.62	24.40		0.092	
27.01.2015	CEMENT MILL No.-3 (B.F.)	6.60	365.00	8.31	44.78	23.90		0.092	
	FEBRUARY' 2015								
04.02.2015	CEMENT MILL No.-3 (B.F.)	6.60	361.00	8.73	47.56	17.70	20.98	0.073	
11.02.2015	CEMENT MILL No.-3 (B.F.)	6.60	360.00	8.26	45.13	25.30		0.099	
18.02.2015	CEMENT MILL No.-3 (B.F.)	6.60	364.00	8.22	44.42	19.20		0.074	
26.02.2015	CEMENT MILL No.-3 (B.F.)	6.60	362.00	8.44	45.86	21.70		0.086	
	MARCH' 2015								
04.03.2015	CEMENT MILL No.-3 (B.F.)	6.60	360.00	8.57	46.82	21.10	23.03	0.085	
11.03.2015	CEMENT MILL No.-3 (B.F.)	6.60	361.00	8.88	48.38	25.30		0.106	
17.03.2015	CEMENT MILL No.-3 (B.F.)	6.60	364.00	8.38	45.28	22.60		0.088	
24.03.2015	CEMENT MILL No.-3 (B.F.)	6.60	362.00	8.44	45.86	23.10		0.092	

	OCTOBER' 2014								
Plant under comissioning									
	NOVEMBER' 2014								
05.11.2014	CRUSHER -2 BAG FILTER	1.23	314.00	9.56	11.12	28.40	26.17	0.027	
11.11.2014	CRUSHER -2 BAG FILTER	1.23	311.00	9.92	11.65	26.30		0.026	
20.11.2014	CRUSHER -2 BAG FILTER	1.23	312.00	10.05	11.77	23.80		0.024	
30.11.2014	CRUSHER -2 BAG FILTER	Under Maintenance							
	DECEMBER' 2014								
04.12.2014	CRUSHER -2 BAG FILTER	Under Maintenance					23.37		
11.12.2014	CRUSHER -2 BAG FILTER	1.23	309.00	9.84	11.63	25.50		0.026	
18.12.2014	CRUSHER -2 BAG FILTER	1.23	307.00	9.97	11.86	21.20		0.022	
23.12.2014	CRUSHER -2 BAG FILTER	1.23	310.00	9.91	11.68	23.40		0.024	
	JANUARY' 2015								
06.01.2015	CRUSHER -2 BAG FILTER	1.23	308.00	9.82	11.65	28.90	27.38	0.029	
13.01.2015	CRUSHER -2 BAG FILTER	1.23	306.00	9.56	11.41	24.20		0.024	
20.01.2015	CRUSHER -2 BAG FILTER	1.23	305.00	9.66	11.57	29.80		0.030	
27.01.2015	CRUSHER -2 BAG FILTER	1.23	304.00	9.87	11.86	26.60		0.027	

	FEBRUARY' 2015								
05.02.2015	CRUSHER -2 BAG FILTER	1.23	307.00	9.86	11.73	23.00	24.00	0.023	
12.02.2015	CRUSHER -2 BAG FILTER	1.23	305.00	9.71	11.63	26.20		0.026	
19.02.2015	CRUSHER -2 BAG FILTER	1.23	304.00	9.64	11.59	27.60		0.028	
24.02.2015	CRUSHER -2 BAG FILTER	1.23	303.00	9.91	11.95	19.20		0.020	
	MARCH' 2015								
07.03.2015	CRUSHER -2 BAG FILTER	1.23	305.00	9.48	11.36	19.00	22.03	0.019	
14.03.2015	CRUSHER -2 BAG FILTER	1.23	304.00	9.76	11.73	21.30		0.022	
21.03.2015	CRUSHER -2 BAG FILTER	1.23	308.00	9.99	11.85	23.00		0.024	
28.03.2015	CRUSHER -2 BAG FILTER	1.23	307.00	9.40	11.19	24.80		0.024	