

BHILAI JAYPEE CEMENT LIMITED

BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING RESULTS OF SIX MONTH FROM : APR – SEP – 2013

UNIT: Cement plant & DG set

Date of Sampling	Particulars		SO2 (µg/M ³)	NOX (µg/M ³)	Noise dB (A) Day time	Noise dB (A) Night Time	PM 2.5 (µg/M ³)	PM- 10 (µg/M ³)	Remarks
Apr – 13	East	Near Substation	3.25	12.05	64.0	53.6	30.21	70.83	
	West	Infront of FH-2	3.61	11.16	61.4	54.7	38.13	78.55	
	North	Near Annapurna	3.39	11.54	63.4	48.8	23.25	65.08	
	South	Near Scrape Yard	4.12	12.20	62.9	51.4	28.17	66.13	
May – 13	East	Near Substation	3.39	10.96	62.9	50.0	40.86	85.96	
	West	Infront of FH-2	3.83	12.63	64.3	51.1	47.59	88.21	
	North	Near Annapurna	4.51	11.78	61.6	51.1	37.38	77.77	
	South	Near Scrape Yard	3.90	12.26	63.8	52.9	41.47	81.01	
Jun – 13	East	Near Substation	3.93	12.65	61.4	50.4	16.25	25.37	
	West	Infront of FH-2	3.47	11.88	60.4	53.0	14.40	29.04	
	North	Near Annapurna	3.28	10.23	60.6	55.3	11.19	23.87	
	South	Near Scrape Yard	4.30	11.57	64.0	54.5	12.05	22.98	
Jul – 13	East	Near Substation	3.74	11.68	61.95	49.45	14.59	24.60	
	West	Infront of FH-2	4.18	11.86	58.10	52.35	16.05	21.07	
	North	Near Annapurna	4.05	12.01	59.50	49.55	12.77	18.23	
	South	Near Scrape Yard	4.17	12.37	61.35	49.85	11.15	18.41	
Aug – 13	East	Near Substation	3.65	13.47	62.9	50.8	15.62	25.36	
	West	Infront of FH-2	4.54	12.55	58.1	49.4	15.34	28.63	
	North	Near Annapurna	3.87	11.23	60.0	48.8	13.72	32.79	
	South	Near Scrape Yard	3.62	13.89	61.0	50.8	11.93	24.99	
Sep – 13	East	Near Substation	4.24	12.70	63.8	51.0	21.37	34.15	
	West	Infront of FH-2	3.61	13.16	59.5	54.8	25.48	42.62	
	North	Near Annapurna	3.37	13.03	62.2	54.9	17.78	30.94	
	South	Near Scrape Yard	3.18	12.52	63.0	51.4	14.70	31.34	
	Average	East	3.70	12.25	62.82	50.86	23.15	44.38	
		West	3.87	12.21	60.28	52.53	26.17	48.02	
		North	3.74	11.64	61.21	51.38	19.35	41.44	
		South	3.88	12.47	62.66	51.79	19.91	40.81	
	Minimum	East	3.25	10.96	61.40	49.45	14.59	24.60	
		West	3.47	11.16	58.10	49.35	14.40	21.07	
		North	3.28	10.23	59.50	48.75	11.19	18.23	
		South	3.18	11.57	60.95	49.85	11.15	18.41	
	Maximum	East	4.24	13.47	64.00	53.55	40.86	85.96	
		West	4.54	13.16	64.25	54.75	47.59	88.21	
		North	4.51	13.03	63.40	55.30	37.38	77.77	
		South	4.30	13.89	64.00	54.45	41.47	81.01	