

BHILAI JAYPEE CEMENT LIMITED

BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING RESULTS OF SIX MONTH FROM : OCT – MAR – 2013-14

UNIT: Cement plant & DG set

Date of	Particulars		SO2	NOX	Noise dB (A)	Noise dB (A)	PM 2.5	PM- 10	Remarks
Sampling	Side	Place	(µg/M ³)	(µg/M ³)	Day time	Night Time	(µg/M ³)	(µg/M ³)	
Oct – 13	East	Near Substation	4.09	13.05	64.30	53.85	16.76	41.51	
	West	Infront of FH-2	4.37	12.50	64.65	52.70	20.24	47.76	
	North	Near Annapurna	3.80	13.87	60.05	53.10	13.32	34.69	
	South	Near Scrape Yard	4.08	12.32	61.55	51.50	13.75	31.85	
Nov – 13	East	Near Substation	4.12	12.88	65.0	54.0	27.52	60.10	
	West	Infront of FH-2	3.96	12.36	65.3	53.5	28.54	66.33	
	North	Near Annapurna	3.64	12.22	60.7	52.6	22.71	51.20	
	South	Near Scrape Yard	4.23	11.56	61.1	52.5	20.75	53.71	
Dec – 13	East	Near Substation	4.19	12.41	63.5	52.7	31.45	70.34	
	West	Infront of FH-2	4.49	12.98	64.0	53.2	28.02	73.79	
	North	Near Annapurna	4.45	12.81	62.8	52.3	22.57	62.86	
	South	Near Scrape Yard	4.02	13.72	62.8	51.8	23.36	63.07	
Jan – 14	East	Near Substation	4.69	12.58	66.30	54.85	26.88	68.88	
	West	Infront of FH-2	4.29	12.90	64.60	52.35	25.64	71.02	
	North	Near Annapurna	4.07	11.55	63.40	53.60	19.74	60.68	
	South	Near Scrape Yard	4.55	12.63	60.50	54.35	21.05	61.07	
Feb – 14	East	Near Substation	4.64	12.19	67.6	56.1	26.54	64.98	
	West	Infront of FH-2	3.53	13.26	64.8	54.8	28.66	67.78	
	North	Near Annapurna	4.22	13.22	64.0	53.3	17.72	55.41	
	South	Near Scrape Yard	3.96	11.84	62.4	52.5	21.63	58.30	
Mar – 14	East	Near Substation	3.69	12.53	64.9	55.0	27.93	75.10	
	West	Infront of FH-2	4.48	13.09	66.2	55.4	34.47	79.81	
	North	Near Annapurna	3.80	11.83	63.6	51.7	24.66	67.77	
	South	Near Scrape Yard	4.45	13.20	65.1	54.2	25.06	68.50	
	Average	East	4.24	12.61	65.23	54.40	26.18	63.49	
		West	4.19	12.85	64.93	53.63	27.59	67.75	
		North	4.00	12.58	62.41	52.75	20.12	55.43	
		South	4.21	12.55	62.22	52.78	20.93	56.08	
	Minimum	East	3.69	12.19	63.45	52.65	16.76	41.51	
		West	3.53	12.36	64.00	52.35	20.24	47.76	
		North	3.64	11.55	60.05	51.70	13.32	34.69	
		South	3.96	11.56	60.50	51.50	13.75	31.85	
	Maximum	East	4.69	13.05	67.55	56.05	31.45	75.10	
		West	4.49	13.26	66.20	55.35	34.47	79.81	
		North	4.45	13.87	64.00	53.60	24.66	67.77	
		South	4.55	13.72	65.10	54.35	25.06	68.50	

S R JHA
Dy. Manager (Environment)

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