

**BHILAI JAYPEE CEMENT LIMITED**  
**BABUPUR ( SATNA) MP- 485112**

AMBIENT AIR QUALITY MONITORING RESULTS OF SIX MONTH FROM Apr - Sep' 2012

UNIT: Cement plant & DG set

Date of Sampling	Particulars		Distance from Plant	Duration	SO <sub>2</sub>	NO <sub>X</sub>	Noise dB (A)	Noise dB (A)	PM 2.5	PM- 10	Remarks
	Side	Place	(mtrs)		(µg/M <sup>3</sup> )	(µg/M <sup>3</sup> )	Day time	Night Time	(µg/M <sup>3</sup> )	(µg/M <sup>3</sup> )	
Apr -- 12	East	Near Substation	Approx. 500 mts.	8 Hrs Basis	2.97	9.73	62.2	54.1	45.59	89.27	
	West	Infront of FH-2	"	"	2.70	9.53	58.0	50.0	41.10	81.90	
	North	Near Annapurna	"	"	2.97	10.03	59.4	51.4	33.44	77.39	
	South	Near Scrape Yard	"	"	3.48	9.09	61.1	50.3	37.77	79.83	
May -- 12	East	Near Substation	"	"	3.26	11.20	63.3	53.4	40.17	91.44	
	West	Infront of FH-2	"	"	3.15	10.24	60.6	51.4	42.91	89.81	
	North	Near Annapurna	"	"	3.21	10.29	61.1	52.7	35.79	85.58	
	South	Near Scrape Yard	"	"	3.49	11.11	61.5	50.7	38.29	87.93	
Jun -- 12	East	Near Substation	"	"	3.58	10.45	63.5	53.2	39.67	85.23	
	West	Infront of FH-2	"	"	3.37	10.76	63.0	53.2	39.22	82.70	
	North	Near Annapurna	"	"	3.51	10.25	61.8	50.8	34.13	78.04	
	South	Near Scrape Yard	"	"	4.02	10.62	61.8	50.5	36.85	79.99	
Jul -- 12	East	Near Substation	"	"	3.59	9.51	63.5	54.5	16.23	39.35	
	West	Infront of FH-2	"	"	3.73	11.08	64.3	54.5	17.59	40.91	
	North	Near Annapurna	"	"	4.20	10.32	62.8	53.3	13.81	34.76	
	South	Near Scrape Yard	"	"	3.49	10.92	64.6	54.4	16.65	35.04	
Aug -- 12	East	Near Substation	"	"	3.47	10.24	62.7	54.5	10.58	27.09	
	West	Infront of FH-2	"	"	4.69	9.22	65.1	51.9	10.23	26.30	
	North	Near Annapurna	"	"	4.29	10.51	62.9	49.8	9.29	23.17	
	South	Near Scrape Yard	"	"	3.44	11.02	60.2	52.1	10.60	22.82	
Sep -- 12	East	Near Substation	"	"	3.15	9.95	63.1	53.8	12.98	25.24	
	West	Infront of FH-2	"	"	4.05	10.88	64.0	51.3	11.95	27.79	
	North	Near Annapurna	"	"	3.93	10.72	62.9	52.7	8.37	23.26	
	South	Near Scrape Yard	"	"	4.04	11.04	61.7	51.6	10.69	24.27	
			Average	East	3.34	10.18	63.01	53.88	27.54	59.60	
				West	3.62	10.29	62.48	52.03	27.17	58.23	
				North	3.68	10.35	61.80	51.76	22.47	53.70	
				South	3.66	10.63	61.78	51.57	25.14	54.98	
			Minimum	East	2.97	9.51	62.15	53.15	10.58	25.24	
				West	2.70	9.22	58.00	50.00	10.23	26.30	
				North	2.97	10.03	59.40	49.75	8.37	23.17	
				South	3.44	9.09	60.15	50.25	10.60	22.82	
			Maximum	East	3.59	11.20	63.45	54.45	45.59	91.44	
				West	4.69	11.08	65.10	54.50	42.91	89.81	
				North	4.29	10.72	62.90	53.30	35.79	85.58	
				South	4.04	11.11	64.55	54.35	38.29	87.93	