

BHILAI JAYPEE CEMENT LIMITED

BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING DATA OF SIX MONTHLY FROM APR - SEP 2012

UNIT: ISPAT LIMESTONE QUARRY (ML-I&II)

Date of Sampling	Particulars		Distance from Mines	Duration	SO2	NOX	Noise dB (A)	Noise dB (A)	PM 2.5	PM- 10	Remarks
	Side	Place	(mtrs)		(µg/M ³)	(µg/M ³)	Day time	Night Time	(µg/M ³)	(µg/M ³)	
APR -- 12	East	Near Office Babupur (East)	Approx. 500 mts.	8 Hrs Basis	2.75	9.22	60.1	53.6	38.02	75.24	
	West	Near Weigh bridge(West)	"	"	3.98	10.73	60.8	51.5	48.98	91.28	
	North	Near camp Office (North)	"	"	3.42	9.17	59.1	51.8	37.63	78.37	
	South	Near Khamaria village (South)	"	"	3.27	10.42	61.1	52.0	41.41	86.70	
MAY -- 12	East	Near Office Babupur (East)	"	"	3.32	10.95	62.1	51.3	44.42	88.50	
	West	Near Weigh bridge(West)	"	"	3.05	10.20	61.7	53.8	46.05	92.04	
	North	Near camp Office (North)	"	"	3.79	11.12	61.3	51.8	41.75	88.73	
	South	Near Khamaria village (South)	"	"	3.51	10.73	59.1	52.2	47.57	94.82	
JUN -- 12	East	Near Office Babupur (East)	"	"	3.87	11.71	63.0	51.2	35.36	81.86	
	West	Near Weigh bridge(West)	"	"	3.75	10.62	63.5	52.8	41.62	84.48	
	North	Near camp Office (North)	"	"	3.80	11.99	62.0	50.8	34.99	76.16	
	South	Near Khamaria village (South)	"	"	3.86	10.97	61.6	53.8	41.71	88.86	
JUL -- 12	East	Near Office Babupur (East)	"	"	3.89	11.74	63.5	52.3	16.68	33.18	
	West	Near Weigh bridge(West)	"	"	3.83	10.90	63.6	52.5	16.64	38.62	
	North	Near camp Office (North)	"	"	3.89	12.68	62.7	52.3	14.57	34.03	
	South	Near Khamaria village (South)	"	"	4.02	11.11	63.0	51.3	18.64	32.76	
AUG -- 12	East	Near Office Babupur (East)	"	"	4.09	11.38	62.8	53.1	8.42	26.06	
	West	Near Weigh bridge(West)	"	"	3.62	10.84	61.8	53.3	14.51	29.78	
	North	Near camp Office (North)	"	"	3.50	9.99	63.0	50.5	10.23	24.50	
	South	Near Khamaria village (South)	"	"	4.52	12.53	61.9	51.1	12.53	27.28	
SEP -- 12	East	Near Office Babupur (East)	"	"	3.46	10.18	62.1	52.1	12.49	23.67	
	West	Near Weigh bridge(West)	"	"	4.47	11.66	64.1	54.9	16.65	30.56	
	North	Near camp Office (North)	"	"	3.79	10.23	62.6	51.1	8.37	26.81	
	South	Near Khamaria village (South)	"	"	3.42	11.45	61.1	50.4	12.35	29.06	
			Average	East	3.56	10.86	62.24	52.23	25.90	54.75	
				West	3.78	10.83	62.57	53.12	30.74	61.13	
				North	3.70	10.86	61.75	51.37	24.59	54.77	
				South	3.77	11.20	61.28	51.78	29.03	59.91	
			Minimum	East	2.75	9.22	60.10	51.15	8.42	23.67	
				West	3.05	10.20	60.80	51.45	14.51	29.78	
				North	3.42	9.17	59.05	50.50	8.37	24.50	
				South	3.27	10.42	59.05	50.40	12.35	27.28	
			Maximum	East	4.09	11.74	63.45	53.55	44.42	88.50	
				West	4.47	11.66	64.10	54.85	48.98	92.04	
				North	3.89	12.68	62.95	52.30	41.75	88.73	
				South	4.52	12.53	63.00	53.75	47.57	94.82	