

**BHILAI JAYPEE CEMENT LIMITED**

**BABUPUR ( SATNA) MP- 485112**

**AMBIENT AIR QUALITY MONITORING DATA OF SIX MONTHLY FROM: OCT - MAR 2013-14**

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

Date of Sampling	Particulars		SO2	NOX	Noise dB (A)	Noise dB (A)	PM 2.5	PM- 10	Remarks
	Side	Place	(µg/M <sup>3</sup> )	(µg/M <sup>3</sup> )	Day time	Night Time	(µg/M <sup>3</sup> )	(µg/M <sup>3</sup> )	
Oct – 13	East	Near Magazine Khamaria village (East)	3.64	12.16	60.5	53.8	21.83	53.52	
	West	Near Weigh bridge (West)	4.36	11.66	64.3	52.1	22.03	51.34	
	North	Near Office Babupur (North)	3.72	10.71	60.6	52.6	20.99	48.57	
	South	Near Mines Office (South)	3.10	14.36	61.9	53.7	19.87	46.45	
Nov – 13	East	Near Magazine Khamaria village (East)	3.99	12.41	63.8	52.7	22.97	50.27	
	West	Near Weigh bridge (West)	4.69	11.78	63.5	51.7	30.48	61.18	
	North	Near Office Babupur (North)	4.94	13.70	62.8	52.3	28.13	66.55	
	South	Near Mines Office (South)	4.19	13.03	61.1	54.9	28.23	63.59	
Dec – 13	East	Near Magazine Khamaria village (East)	4.40	12.03	64.8	54.0	29.44	68.10	
	West	Near Weigh bridge (West)	5.43	12.07	63.0	53.2	29.52	73.97	
	North	Near Office Babupur (North)	4.23	14.22	62.8	51.2	22.90	67.23	
	South	Near Mines Office (South)	5.38	13.16	62.9	51.0	29.31	68.04	
Jan – 14	East	Near Magazine Khamaria village (East)	4.29	11.75	64.6	53.0	20.98	59.65	
	West	Near Weigh bridge (West)	3.41	13.49	61.8	52.7	30.30	76.02	
	North	Near Office Babupur (North)	4.87	12.74	65.3	53.8	24.06	65.01	
	South	Near Mines Office (South)	4.13	12.82	61.4	55.3	19.92	62.81	
Feb – 14	East	Near Magazine Khamaria village (East)	3.85	12.39	63.3	53.6	22.89	71.22	
	West	Near Weigh bridge (West)	4.33	12.34	65.4	56.9	30.37	77.95	
	North	Near Office Babupur (North)	3.62	12.82	63.3	54.4	28.03	79.19	
	South	Near Mines Office (South)	5.42	11.99	64.7	57.0	26.30	68.04	
Mar – 14	East	Near Magazine Khamaria village (East)	4.27	13.90	63.6	51.9	19.69	68.63	
	West	Near Weigh bridge (West)	5.24	14.33	64.0	53.8	33.67	81.36	
	North	Near Office Babupur (North)	4.63	11.92	62.0	54.7	31.52	78.60	
	South	Near Mines Office (South)	4.98	12.56	64.7	52.0	25.15	75.45	
	Average	East	4.07	12.44	63.41	53.14	22.97	61.90	
		West	4.58	12.61	63.66	53.38	29.39	70.30	
		North	4.34	12.68	62.78	53.14	25.94	67.53	
		South	4.53	12.99	62.77	53.97	24.80	64.06	
	Minimum	East	3.64	11.75	60.50	51.85	19.69	50.27	
		West	3.41	11.66	61.75	51.65	22.03	51.34	
		North	3.62	10.71	60.60	51.15	20.99	48.57	
		South	3.10	11.99	61.10	51.00	19.87	46.45	
	Maximum	East	4.40	13.90	64.80	53.95	29.44	71.22	
		West	5.43	14.33	65.40	56.90	33.67	81.36	
		North	4.94	14.22	65.25	54.70	31.52	79.19	
		South	5.42	14.36	64.70	57.00	29.31	75.45	