

JAYPEE HIMACHAL CEMENT PLANT - BAGA (ARKI) SOLAN HP

(A UNIT OF JAIPRAKASH ASSOCIATES LTD.)

AMBIENT NOISE LEVEL MONITORING AT PLANT / MINE SITE & AT CORE ZONE

HALF YEARLY STATISTICAL REPORT (December'2011 - March' 2012)

Location 1 :- 1370 MSL (Near Main Plant Area; at Panali)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	60.3	57.1
Minimum	41.1	37.1
Average	51.93	48.41
Standard Deviation	3.94	4.01
Coeffecient of Variation	0.08	0.08

Location 2 :- 1260 MSL (Near Cement Mill Area, at Baga)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	59.4	55.5
Minimum	42.1	38.2
Average	50.1	46.59
Standard Deviation	4.11	4.16
Coeffecient of Variation	0.08	0.09

Location 3 :- Challan (Near Bhalag Crusher at Mine area)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.2	58.1
Minimum	40.2	37
Average	51.08	47.57
Standard Deviation	5.73	5.81
Coeffecient of Variation	0.11	0.12

Location 4 :- Baga (Near worker Mesh, Basant Kunj)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.4	57.4
Minimum	40.3	37.3
Average	50.34	46.83
Standard Deviation	5.53	5.46
Coeffecient of Variation	0.11	0.12

Location 5 :- Malothi (Near Fabrication Yard)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.1	57.2
Minimum	41.3	37.4
Average	51	47.49
Standard Deviation	5.31	5.43
Coeffecient of Variation	0.1	0.11

Location 6 :- Nerri- Jajjar (Near Township at Dhartatoh)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.1	57.2
Minimum	41.2	38.2
Average	51.57	48.06
Standard Deviation	4.9	5.02
Coeffecient of Variation	0.1	0.1

Location 7 :- Kandhar (Near Prposed ITI)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	60.3	57
Minimum	40.2	37.1
Average	49.78	46.26
Standard Deviation	5.26	5.31
Coeffecient of Variation	0.11	0.11

MONTHLY REPORT (March' 2012)**Location 1 :- 1370 MSL (Near Main Plant Area; at Panali)**

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	57.2	54
Minimum	47.6	44.5
Average	52.47	48.94
Standard Deviation	2.987	2.928
Coeffecient of Variation	0.057	0.06

Location 2 :- 1260 MSL (Near Cement Mill Area, at Baga)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	56.4	53.2
Minimum	46.3	43.2
Average	50.21	46.7
Standard Deviation	3.08	3.146
Coeffecient of Variation	0.061	0.067

Location 3 :- Challan (Near Bhalag Crusher at Mine area)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	58.2	55.1
Minimum	41.3	38.1
Average	51.19	47.68
Standard Deviation	5.778	5.839
Coeffecient of Variation	0.113	0.122

Location 4 :- Baga (Near worker Mesh, Basant Kunj)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	56.4	52.4

Minimum	42.5	39.3
Average	49.24	45.73
Standard Deviation	4.119	3.971
Coeffecient of Variation	0.084	0.087

Location 5 :- Malothi (Near Fabrication Yard)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	57.1	54
Minimum	43.4	40.4
Average	49.62	46.11
Standard Deviation	4.373	4.529
Coeffecient of Variation	0.088	0.098

Location 6 :- Nerri- Jajjar (Near Township at Dhartatoh)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	56.1	53
Minimum	45.3	41.6
Average	51.32	47.81
Standard Deviation	3.67	3.962
Coeffecient of Variation	0.072	0.083

Location 7 :- Kandhar (Near Prposed ITI)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	55.3	51.3
Minimum	43.2	39.3
Average	48.5	44.99
Standard Deviation	3.993	4.056
Coeffecient of Variation	0.082	0.09

MONTHLY REPORT (February' 2012)

Location 1 :- 1370 MSL (Near Main Plant Area; at Panali)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	58.1	54.9
Minimum	48.1	44.4
Average	53.41	49.89
Standard Deviation	3.44	3.439
Coeffecient of Variation	0.064	0.069

Location 2 :- 1260 MSL (Near Cement Mill Area, at Baga)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	57.6	54.4
Minimum	45.3	41.4
Average	50.58	47.07
Standard Deviation	3.751	3.874
Coeffecient of Variation	0.074	0.082

Location 3 :- Challan (Near Bhalag Crusher at Mine area)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	59.2	56.1
Minimum	42.5	39.3
Average	51.5	47.99
Standard Deviation	6.272	6.367
Coeffecient of Variation	0.122	0.133

Location 4 :- Baga (Near worker Mesh, Basant Kunj)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	57.4	53.5
Minimum	43.6	40.2
Average	50.18	46.67
Standard Deviation	4.873	4.757
Coeffecient of Variation	0.097	0.102

Location 5 :- Malothi (Near Fabrication Yard)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	58.4	55.3
Minimum	42.3	39.3
Average	49.43	45.92
Standard Deviation	5.348	5.514
Coeffecient of Variation	0.108	0.12

Location 6 :- Nerri- Jajjar (Near Township at Dhartatoh)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	57.1	54
Minimum	46.4	42.7
Average	51.5	47.99
Standard Deviation	3.659	3.949
Coeffecient of Variation	0.071	0.082

Location 7 :- Kandhar (Near Prposed ITI)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	56.5	52.5
Minimum	42.1	38.2
Average	48.78	45.27
Standard Deviation	4.693	4.788
Coeffecient of Variation	0.096	0.106

MONTHLY REPORT (January' 2012)**Location 1 :- 1370 MSL (Near Main Plant Area; at Panali)**

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	53.2	50
Minimum	41.1	37.1
Average	48.62	45.1

Standard Deviation	3.763	3.906
Coeffecient of Variation	0.077	0.087

Location 2 :- 1260 MSL (Near Cement Mill Area, at Baga)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	52.1	48.9
Minimum	42.1	38.2
Average	46.67	43.16
Standard Deviation	3.549	3.625
Coeffecient of Variation	0.076	0.084

Location 3 :- Challan (Near Bhalag Crusher at Mine area)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	53	49.1
Minimum	40.2	37
Average	47.03	43.52
Standard Deviation	4.266	4.21
Coeffecient of Variation	0.091	0.097

Location 4 :- Baga (Near worker Mesh, Basant Kunj)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	52.3	48.3
Minimum	40.3	37.3
Average	46.02	42.51
Standard Deviation	4.284	4.087
Coeffecient of Variation	0.093	0.096

Location 5 :- Malothi (Near Fabrication Yard)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	53.1	50.1
Minimum	41.3	37.4
Average	48.47	44.96
Standard Deviation	3.686	3.87
Coeffecient of Variation	0.076	0.086

Location 6 :- Nerri- Jajjar (Near Township at Dhartatoh)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	52.1	48.2
Minimum	41.2	38.2
Average	47.04	43.53
Standard Deviation	3.663	3.528
Coeffecient of Variation	0.078	0.081

Location 7 :- Kandhar (Near Prposed ITI)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	52.1	48.9

Minimum	40.2	37.1
Average	46.71	43.2
Standard Deviation	3.894	3.716
Coeffecient of Variation	0.083	0.086

MONTHLY REPORT (December' 2011

Location 1 :- 1370 MSL (Near Main Plant Area; at Panali)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	60.3	57.1
Minimum	48.4	45.2
Average	53.21	49.69
Standard Deviation	4.005	4.193
Coeffecient of Variation	0.075	0.084

Location 2 :- 1260 MSL (Near Cement Mill Area, at Baga)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	59.4	55.5
Minimum	48	44
Average	52.94	49.43
Standard Deviation	3.876	3.876
Coeffecient of Variation	0.073	0.078

Location 3 :- Challan (Near Bhalag Crusher at Mine area)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.2	58.1
Minimum	48.1	44.2
Average	54.61	51.1
Standard Deviation	4.506	4.784
Coeffecient of Variation	0.083	0.094

Location 4 :- Baga (Near worker Mesh, Basant Kunj)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.4	57.4
Minimum	49.2	45.5
Average	55.9	52.39
Standard Deviation	4.189	4.239
Coeffecient of Variation	0.075	0.081

Location 5 :- Malothi (Near Fabrication Yard)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.1	57.2
Minimum	50.1	46.4
Average	56.47	52.96
Standard Deviation	4.049	4.175
Coeffecient of Variation	0.072	0.079

Location 6 :- Nerri- Jajjar (Near Township at Dhartatoh)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	61.1	57.2
Minimum	49.3	45.6
Average	56.41	52.9
Standard Deviation	3.916	4.104
Coeffecient of Variation	0.069	0.078

Location 7 :- Kandhar (Near Prposed ITI)

NOISE LEVEL dB(A)	DAY TIME	NIGHT TIME
Maximum	60.3	57
Minimum	47.3	43.6
Average	55.11	51.6
Standard Deviation	4.751	4.953
Coeffecient of Variation	0.086	0.096