

JAYPEE HIMACHAL CEMENT PLANT - BAGA (ARKI) SOLAN HP
(A UNIT OF JAIPRAKASH ASSOCIATES LTD.)
STACK MONITORING FOR PARTICULATE EMISSION
MONTHLY REPORT (September' 2016)

Location 1 :- Main Stack attached to Raw Mill / Kiln

DATE	Stack gas Temp. (°K)	Stack gas Velocity (m/sec)	Dust Conc. (mg/Nm³)
8/9/2016	421	2.65	14.66
15/9/2016	418	3.3	9.65
22/9/2016	415	2.50	11.96
29/9/2016	420	2.51	12.30
Maximum	421.00	3.33	14.66
Minimum	415.00	2.50	9.65
Average	418.50	2.75	12.14
Standard Deviation	2.646	0.394	2.050
Coefficient of Variation	0.006	0.144	0.169

Location 2 :- Coal Mill Stack

DATE	Stack gas Temp. (°K)	Stack gas Velocity (m/sec)	Dust Conc. (mg/Nm³)
8/9/2016	340	2.05	8.90
15/9/2016	345	1.7	7.6
22/9/2016	341	1.59	6.50
29/9/2016	348	1.56	7.90
Maximum	348.00	2.05	8.90
Minimum	340.00	1.56	6.50
Average	343.50	1.72	7.73

Standard Deviation	3.697	0.227	0.988
Coefficient of Variation	0.011	0.132	0.128

Location 3 :- Cooler Stack

DATE	Stack gas Temp. (°K)	Stack gas Velocity (m/sec)	Dust Conc. (mg/Nm³)
8/9/2016	452	3.36	14.56
15/9/2016	459.0	2.7	15.5
22/9/2016	463	4.51	11.36
29/9/2016	460	3.69	10.69
Maximum	463.00	4.51	15.52
Minimum	452.00	2.69	10.69
Average	458.50	3.56	13.03
Standard Deviation	4.655	0.756	2.367
Coefficient of Variation	0.010	0.212	0.182

Location 4 :- Cement Mill Stack

DATE	Stack gas Temp. (°K)	Stack gas Velocity (m/sec)	Dust Conc. (mg/Nm³)
8/9/2016	350	1.69	16.66
15/9/2016	352	2.1	15.7
22/9/2016	341	1.66	17.58
29/9/2016	333	2.22	19.65
Maximum	352.00	2.22	19.65
Minimum	333.00	1.66	15.66
Average	344.00	1.91	17.39
Standard Deviation	8.756	0.275	1.700
Coefficient of Variation	0.025	0.144	0.098