

**Ambuja
Cement**
Registered Post

Ref No: ACH/EMD/F-18/06/2020

08/06/2020

Environment Engineer,
HP State Pollution Control Board,
S.C.F. 6, 7 and 8, Sector – IV,
PARWANOO, Distt. Solan (H.P.)

Sub: Monthly Report for the month of May - 2020 Suli Plant and Kashlog Limestone Mines.

Dear Sir,

We are pleased to submit herewith monthly reports for the following Environment Parameters to your good office in a systematic context, please.

1. Stack Emission:- (a) GBH (b) Cooler ESP (c) Cement Mill ESP (d) Coal Mill B/F & E - Mill (e) Main Crusher B/F.
2. Ambient Air Quality Monitoring at manual Stations:
 2. (A) Report of **PM₁₀, PM_{2.5}, NO₂ & SO₂**
 2. (B) Report of Lead, Nickel, Arsenic & CO
3. Water Quality of Gyana Khud.
4. Water Quality of Sewage Reclamation Plant.
5. Monthly Ambient Noise Monitoring Report.

Thanking You,

Yours Faithfully,
For **Ambuja Cements Ltd. (Unit-Suli)**



(Sandeep Bhimta)
DGM - EMD

Encl: As above

CC To: The Member Secretary, HP State Pollution Control Board,
"Him Parivesh" New Shimla – 171 009 (Himachal Pradesh)

AMBUJA CEMENTS LIMITED
(UNIT SULI)

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(Regd. Off. : P. O. Ambuja Nagar, Taluka - Kodinar, Distt. Gir Somnath, Gujarat - 362 715)

1. STACK EMISSION MONITORING RESULTS
(For the month of May – 2020)

Sr. No.	Stacks Attached To	Particulate matter (mg/Nm ³)						
		Weekly				Min. Value	Max. Value	Avg. Value
		I	II	III	IV			
A	Glass Bag House	*	15.0	16.1	15.9	15.0	16.1	15.7
B	Cooler ESP	*	15.9	14.1	18.3	14.1	18.3	15.01
C	Cement Mill ESP II	17.1	10.9	11.9	15.0	10.9	17.1	13.72
D	Coal Mill B/F	*	18.6	16.3	14.9	14.9	18.6	16.57
	E – Mill B/F	*	13.5	10.4	12.5	10.4	13.5	12.13
E	Main Crusher B/F	19.0	*	15.4	20.0	15.4	20.0	18.11

*Unit was under lockdown/maintenance

2. AMBIENT AIR QUALITY MONITORING RESULTS

2.(a) Monthly Average of PM2.5, PM10, SO2 & NO2 of Manual Stations for the Month of May – 2020

S.No.	STATIONS	PARAMETERS											
		PM2.5 (µg/M ³)			PM10 (µg/M ³)			SO2 (µg/M ³)			NO2 (µg/M ³)		
		Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
1	KHATA	26.09	43.48	33.10	35.70	60.59	49.35	4.00	6.90	5.03	6.50	12.00	8.81
	PACHEUR	17.39	39.13	29.67	42.44	62.50	53.25	3.80	6.50	4.53	7.80	12.00	8.99
3	BATEDH	21.74	43.48	32.88	44.33	69.57	56.94	5.70	7.10	6.19	10.00	13.00	11.41
4	MINES DORMITORY	18.73	43.48	31.20	32.77	63.03	48.69	6.00	9.00	7.50	9.00	14.00	10.88
5	RATHOH	31.03	42.21	35.65	41.87	67.54	58.04	4.00	6.00	4.81	7.00	9.00	7.88
6	MANGOO	21.11	37.50	31.04	45.83	68.18	59.78	4.00	5.00	4.38	6.50	10.00	8.20
7	CHANDI	13.64	34.78	26.53	42.13	65.22	54.89	3.00	5.00	4.35	6.50	9.00	7.70



2.(b) Monthly Average of Lead, Nickel, Arsenic & CO of Manual Stations for the Month of May - 2020

S.No.	STATIONS	Lead, $\mu\text{g}/\text{m}^3$	Nickel, ng/m^3	Arsenic, ng/m^3	CO, mg/m^3
1	KHATA	N.D.	N.D.	N.D.	0.68
4	PACHEUR	N.D.	N.D.	N.D.	0.49
5	BATEDH	N.D.	N.D.	N.D.	0.74
6	MINES DORMITORY	N.D.	N.D.	N.D.	0.51
7	RATHOH	N.D.	N.D.	N.D.	0.66
8	MANGOO	N.D.	N.D.	N.D.	0.52
10	CHANDI	N.D.	N.D.	N.D.	0.40

**3. WATER QUALITY ANALYSIS FOR GYANA KHAD
(For the Month of May - 2020)**

FREQUENCY	SAMPLING POINTS	PARAMTERS			
		pH	TSS (mg/Lit.)	TDS (mg/Lit.)	DO (mg/Lit.)
FIRST FORTNIGHT	1	7.3	28.4	310.2	4.3
	2	7.5	36.0	360.0	3.7
	3	7.4	26.1	376.0	4.1
	4	7.3	26.8	350.0	4.4
SECOND FORTNIGHT	1	7.1	46.3	342.0	3.9
	2	7.4	41.5	410.2	3.5
	3	7.1	40.6	376.0	3.7
	4	7.2	38.9	350.0	3.9

Sampling Points

1. 500 mts. upstream of First Nallah before joining Gyana Khad.
2. 500 mts. upstream of Second Nallah before joining Gyana Khad.
3. V- Notch Installed In Gyana Khad (SE side of ML Area)
4. 500 mts. downstream from V- notch of Gyana Khad.



4. SEWAGE WATER RECLAMATION PLANT
(Monthly Average Analysis Report - May - 2020)

Sr. No.	PARAMETERS	TREATED WATER RESULTS			STIPULATED LIMIT BY HPSPCB
		Min.	Max.	Avg.	
1.	pH	7.1	7.7	7.5	-
2.	BOD (5 Days at 20 Deg. C)	08	12	10.0	30 mg/Lit.
3.	Total Suspended Solids	10	12	11.2	100 mg/Lit.

5. Monthly Average of Ambient Noise Monitoring Report - May - 2020

Station Name	Noise Level in dB(A)									
	1st Week		2nd Week		3rd Week		4th Week		Monthly Average	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Colony Area	54.1	43.6	50.2	42.9	51.5	42.3	49.5	40.6	51.3	42.4
Inside Cooperative Stores	54.4	49.5	56.4	48.3	55.8	50.5	60.1	46.2	56.7	48.6
Petrol Pump	52.8	47.2	65.3	54.7	61.5	51.6	59.9	53.7	59.9	51.8
Main Gate (Near CSO's Office)	62.4	58.2	68.2	54.1	60.8	57.7	61.9	59.3	63.3	57.3
Inside CCR	61.1	52.1	59.4	51.0	62.4	60.1	60.2	58.5	60.8	55.4
Inside Mines Office	54.7	41.3	53.7	46.4	52.2	44.0	53.0	42.1	53.4	43.5
Kashlog Village	51.4	40.9	48.2	42.5	52.1	40.3	51.4	40.5	50.8	41.1
Magazine Section	53.5	42.3	55.6	46.2	54.6	43.8	55.5	40.9	54.8	43.3
Mines Reclaimed Area	52.4	43.5	58.4	50.7	51.8	40.9	53.9	41.5	54.1	44.2
Rathoh Village	52.2	40.7	50.7	44.3	49.9	41.0	52.4	42.3	51.3	42.1
Chandi Village	49.1	44.1	52.6	42.8	47.5	39.2	45.6	37.5	48.7	40.9
Piplughat Village	46.3	36.8	48.1	36.9	49.2	40.0	48.4	38.2	48.0	38.0



Serve to Conserve