

**1. STACK EMISSION MONITORING RESULTS****(For the month of December – 2015)**

Sr. No.	Stacks Attached To	Particulate matter (mg/Nm <sup>3</sup> )						
		Weekly				Min. Value	Max. Value	Avg. Value
		I	II	III	IV			
A	Glass Bag House	18.3	17.8	19.5	18.1	17.8	19.5	18.4
B	Cooler ESP	38.6	41.7	48.5	32.4	32.4	48.5	42.9
C	Cement Mill ESP	41.7	32.2	43.9	36.6	32.2	43.9	37.6
D	Coal Mill B/F	33.5	45.0	29.5	37.8	29.5	45.0	36.5
E	Main Crusher B/F	31.7	29.3	15.4	30.7	15.4	31.7	27.9

**2. AMBIENT AIR QUALITY MONITORING RESULTS****2.(a) Monthly Average of PM2.5, PM10, SO2 & NO2 of Manual Stations for the Month of December – 2015**

S.No.	STATIONS	PARAMETERS											
		PM2.5 (µg/M <sup>3</sup> )			PM10 (µg/M <sup>3</sup> )			SO2 (µg/M <sup>3</sup> )			NO2 (µg/M <sup>3</sup> )		
		Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
1	KHATA	15.0	45.8	30.59	55.0	78.3	68.2	3.0	5.0	4.01	8.0	17.5	12.56
2	DARLAGHAT	21.7	47.4	31.53	56.5	84.2	71.73	3.5	6.2	5.06	10.2	18.6	14.1
3	BAHAN	13.6	33.6	26.24	45.8	70.7	61.56	3.0	6.4	4.14	14.1	18.1	15.18
4	MINES DORMITORY	12.4	28.1	19.48	46.43	80.20	57.39	3.5	6.5	5.1	8.9	14.7	11.49
5	RATHOH	16.4	27.8	20.09	45.8	64.9	55.35	3.0	4.5	3.63	8.6	15.0	12.58
6	MANGOO	10.4	37.5	27.52	41.7	83.3	63.93	4.8	6.3	5.68	9.3	14.1	12.15
7	CHANDI	13.6	41.7	30.42	54.2	74.2	66.32	5.0	7.0	5.38	9.0	10.0	9.63
8	PACHEUR	8.4	23.2	17.59	45.8	79.6	55.41	3.0	4.2	3.40	6.8	15.0	10.93
9	RAURI	27.8	48.3	37.44	64.9	87.0	75.87	4.0	7.0	5.06	10.0	22.0	17.20
10	BATEDH	18.6	42.4	31.70	55.9	75.9	69.22	4.0	7.1	5.70	11.4	16.7	14.65



**2.(b) Monthly Average of Lead, Nickel, Arsenic & CO of Manual Stations for the Month of December – 2015**

S.No.	STATIONS	Lead, $\mu\text{g}/\text{m}^3$	Nickel, $\text{ng}/\text{m}^3$	Arsenic, $\text{ng}/\text{m}^3$	CO, $\text{mg}/\text{m}^3$
1	KHATA	N.D.	N.D.	N.D.	0.82
2	DARLAGHAT	N.D.	N.D.	N.D.	1.20
3	BAHAN	N.D.	N.D.	N.D.	0.58
4	MINES DORMITORY	N.D.	N.D.	N.D.	0.91
5	RATHOH	N.D.	N.D.	N.D.	1.10
6	MANGOO	N.D.	N.D.	N.D.	0.50
7	CHANDI	N.D.	N.D.	N.D.	0.61
8	PACHEUR	N.D.	N.D.	N.D.	0.85
9	RAURI	N.D.	N.D.	N.D.	1.30
10	BATEDH	N.D.	N.D.	N.D.	0.95

**3. WATER QUALITY ANALYSIS FOR GYANA KHAD  
(For the Month of December - 2015)**

FREQUENCY	SAMPLING POINTS	PARAMTERS			
		pH	TSS (mg/Lit.)	TDS (mg/Lit.)	DO (mg/Lit.)
FIRST FORTNIGHT	1	7.3	30.4	286.3	5.1
	2	7.6	48.2	310.4	4.7
	3	7.4	34.7	300.0	5.6
	4	7.5	32.1	298.0	5.8
SECOND FORTNIGHT	1	7.2	28.6	262.3	5.3
	2	7.7	50.8	340.2	4.5
	3	7.5	42.1	312.4	5.3
	4	7.4	38.6	310.1	5.4

**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 – December - 2015)**

Sr. No.	PARAMETERS	TREATED WATER RESULTS			STIPULATED LIMIT BY HPSPCB
		Min.	Max.	Avg.	
1.	Ph	7.2	7.6	7.41	-
2.	BOD (5 Days at 20 Deg. C)	10	14	11.56	30 mg/Lit.
3.	Total Suspended Solids	12	14	13.0	100 mg/Lit.

**5. Monthly Average of Ambient Noise Monitoring Report – December – 2015**

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	48.3	41.4	47.6	42.6	49.8	43.3	58.6	50.2	51.1	44.4
Inside Cooperative Stores	55.9	48.4	54.9	51.2	59.8	51.1	62.4	52.0	58.3	50.7
Petrol Pump	57.7	48.8	60.4	49.5	56.8	51.4	67.8	61.3	60.7	52.8
Main Gate (Near CSO's Office)	64.1	60.2	63.4	59.9	65.6	62.5	57.9	51.2	62.8	58.5
Inside CCR	59.9	55.6	60.5	57.5	61.2	59.9	53.4	46.7	58.8	54.9
Inside Mines Office	53.4	43.8	51.8	42.6	51.9	43.5	50.8	47.1	52.0	44.3
Kashlog Village	51.2	41.5	52.6	41.7	52.8	40.8	52.6	47.0	52.3	42.8
Magazine Section	56.4	41.9	52.3	42.8	51.8	42.1	51.9	48.3	53.1	43.8
Mines Reclaimed Area	53.9	42.7	52.7	43.6	55.1	44.3	52.6	45.8	53.6	44.1
Rathoh Village	52.9	41.8	52.3	43.7	50.8	42.1	50.2	45.5	51.6	43.3
Chandi Village	47.1	39.4	49.5	38.1	50.3	39.5	47.4	38.2	48.6	38.8
Piplughat Village	42.9	37.6	46.8	36.5	45.9	37.1	48.2	36.8	46.0	37.0



**Serve to Conserve**