

1. STACK EMISSION MONITORING RESULTS
(For the month of Dec – 2013)

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	18.2	17.5	38.8	18.8	17.5	38.8	23.3
B	Cooler ESP	18.1	17.7	22.9	24.3	17.7	24.3	21.6
C	Cement Mill ESP	38.9	21.5	29.9	33.2	21.5	38.9	30.88
D	Coal Mill B/F	23.5	37.06	29.8	44.3	23.5	37.06	33.41
E	Main Crusher B/F	29.9	31.16	28.11	31.80	28.11	31.80	29.72

2. AMBIENT AIR QUALITY MONITORING RESULTS

**2.(a) Monthly Average of PM2.5, PM10, SO2 & NO2 of Manual Stations
for the Month of Dec – 2013**

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	25	50.93	35.93	29.17	62.50	48.62	4	8	5.2	12	18	14.4
2	DARLAGHAT	23.41	52.54	35.24	37.56	67.91	50.08	5	6	5.4	10	18	13.10
3	BAHAN	25.33	53.19	37.43	31.03	87.50	50.63	4	4	4	7	15	10.7
4	MINES DORMITORY	22.13	41.67	32.36	41.67	74.21	65.01	4	6.20	5.06	12	19.4	15.61
5	RATHOH	21.11	37.50	29.13	41.67	83.33	63.64	4	5	4.2	11	15	13.1
6	MANGO	25.83	46.41	34.54	48.76	66.67	57.91	4	4	4	7	12	9.9
7	CHANDI*	20.83	37.45	27.36	35.46	74.21	49.23	3	5	3.4	7	8	7.6
8	PACHEUR	21.74	36.36	29.08	45.83	71.43	61.81	5	6	5.2	9	10	9.2
9	RAURI	25.00	47.37	33.77	21.74	77.27	61.70	4	6	5.4	12	22	17.14
10	BATEDH	25	45.83	34.40	25	75	56.78	3	6.4	4.27	15	17	16

***Monitoring was not conducted at Kashlog village due to Villagers opposition.**



**2.(b) Monthly Average of Lead, Nickel, Arsenic & CO of Manual Stations for the Month
of Dec – 2013**

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.	1.5
2	DARLAGHAT	N.D.	N.D.	N.D.	1.8
3	BAHAN	N.D.	N.D.	N.D.	1.73
4	MINES DORMITORY	N.D.	N.D.	N.D.	1.0
5	RATHOH	N.D.	N.D.	N.D.	1.0
6	MANGOO	N.D.	N.D.	N.D.	1.0
7	CHANDI	N.D.	N.D.	N.D.	1.5
8	PACHEUR	N.D.	N.D.	N.D.	1.45
9	RAURI	N.D.	N.D.	N.D.	1.50
10	BATEDH	N.D.	N.D.	N.D.	1.20

**3. WATER QUALITY ANALYSIS FOR GYANA KHAD
(For the Month of Dec-2013)**

FREQUENCY	SAMPLING POINTS	PARAMTERS			
		pH	TSS (mg/Lit.)	TDS (mg/Lit.)	DO (mg/Lit.)
FIRST FORTNIGHT	1	7.4	26.4	316	5.7
	2	7.8	42	376	4.8
	3	7.6	38.6	340	5.3
	4	7.5	34.0	326	5.9
SECOND FORTNIGHT	1	7.3	32.0	298	5.9
	2	7.8	51.7	342	5.0
	3	7.7	39.1	336	5.6
	4	7.6	38.7	330	6.1

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

(Analysis Report – DEC - 2013)

(Monthly Average)

Sr. No.	PARAMETERS	TREATED WATER RESULTS			STIPULATED LIMIT BY HPDEC & PCB
		Min.	Max.	Avg.	
1.	pH	7.3	7.7	7.53	-
2.	BOD (5 Days at 20 Deg. C)	10	18	14.67	30 mg/Lit.
3.	Total Suspended Solids	10	12	11	100 mg/Lit.

5. Monthly Average of Ambient Noise Monitoring Report-Dec-13

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	50.5	41.1	52.4	44.6	45.2	41.2	44.2	42.8	48.1	42.4
Inside Cooperative Stores	60.4	46.6	60.7	51.2	59.9	50.7	55.6	52.4	59.2	50.2
Petrol Pump	63.1	50.4	61.5	48.4	59.5	53.4	60.6	51.7	61.2	51.0
Main Gate (Near CSO's Office)	65.0	56.4	60.4	54.9	58.5	56.6	60.9	55.8	61.2	55.9
Inside CCR	58.5	54.4	62.4	58.4	61.1	59.9	58.5	57.6	60.1	57.6
Inside Mines Office	52.6	40.1	51.1	41.5	57.7	44.6	52.2	41.6	53.4	42.0
Kashlog Village	51.8	44.3	52.7	42.9	51.6	42.3	53.6	43.4	52.4	43.2
Magazine Section	52.0	42.6	49.4	40.9	54.4	41.8	52.4	41.1	52.1	41.6
Mines Reclaimed Area	51.8	43.3	48.7	41.8	50.9	42.1	48.2	43.8	49.9	42.8
Rathoh Village	51.5	42.6	52.5	43.2	51.9	44.0	52.1	43.7	52.0	43.4



Serve to Conserve

