

**1. STACK EMISSION MONITORING RESULTS**

**(For the month of September – 2017)**

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	21.36	20.5	18.1	*	18.1	21.36	20.0
B	Cooler ESP	30.3	26.5	33.3	*	26.5	33.3	30.0
C	Cement Mill ESP II	16.58	18.19	22.26	15.77	15.77	22.26	18.20
D	Coal Mill B/F	10.18	14.5	17.8	*	10.18	17.8	14.16
E	Main Crusher B/F	27.89	28.36	22.71	*	22.71	28.36	29.99

\* Unit was under maintenance

**2. AMBIENT AIR QUALITY MONITORING RESULTS**

**2.(a) Monthly Average of PM2.5, PM10, SO2 & NO2 of Manual Stations**

**for the Month of September – 2017**

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	23.30	38.20	30.60	51.95	75.00	66.38	5.00	7.50	5.94	11.40	19.00	14.91
2	DARLAGHAT	27.83	42.44	32.91	64.94	87.01	75.89	4.00	8.50	5.45	10.00	22.00	16.96
3	BAHAN	8.44	23.19	17.23	33.77	54.17	45.18	3.00	4.20	3.54	6.80	12.50	9.42
4	MINES DORMITORY	13.64	41.67	31.36	54.17	74.21	67.07	4.20	6.20	5.11	6.00	9.50	8.00
5	RATHOH	10.42	37.50	26.81	41.67	83.33	63.64	4.00	5.10	4.46	8.60	15.50	12.72
6	MANGO	10.98	17.39	14.44	45.83	64.94	55.36	3.00	4.50	3.65	7.30	13.00	9.94
7	CHANDI	15.00	28.09	21.25	37.99	62.06	51.27	3.00	4.00	3.33	6.00	8.50	7.39
8	PACHEUR	13.64	33.61	25.72	45.83	70.65	60.89	3.00	5.00	4.01	8.00	13.10	10.75
9	RAURI	17.39	47.37	31.27	56.52	84.21	71.46	4.50	7.50	5.65	13.50	22.00	17.44
10	BATEDH	15.00	45.83	30.55	55.00	78.26	67.88	4.30	6.40	5.26	10.50	15.00	12.81



**2.(b) Monthly Average of Lead, Nickel, Arsenic & CO of Manual Stations for the Month of September – 2017**

S.No.	STATIONS	Lead, µg/m <sup>3</sup>	Nickel, ng/m <sup>3</sup>	Arsenic ,ng/m <sup>3</sup>	CO, mg/m <sup>3</sup>
1	KHATA	N.D.	N.D.	N.D.	0.62
2	DARLAGHAT	N.D.	N.D.	N.D.	0.74
3	BAHAN	N.D.	N.D.	N.D.	0.45
4	MINES DORMITORY	N.D.	N.D.	N.D.	0.56
5	RATHOH	N.D.	N.D.	N.D.	0.75
6	MANGOO	N.D.	N.D.	N.D.	0.41
7	CHANDI	N.D.	N.D.	N.D.	0.48
8	PACHEUR	N.D.	N.D.	N.D.	0.64
9	RAURI	N.D.	N.D.	N.D.	0.70
10	BATEDH	N.D.	N.D.	N.D.	0.69

**3. WATER QUALITY ANALYSIS FOR GYANA KHAD  
(For the Month of September - 2017)**

FREQUENCY	SAMPLING POINTS	PARAMTERS			
		pH	TSS (mg/Lit.)	TDS (mg/Lit.)	DO (mg/Lit.)
FIRST FORTNIGHT	1	7.5	36.0	342.0	4.1
	2	7.6	54.6	360.2	3.8
	3	7.5	48.0	351.6	4.0
	4	7.4	44.2	340.0	4.3
SECOND FORTNIGHT	1	7.4	38.2	340.7	4.0
	2	7.7	56.1	368.0	3.9
	3	7.6	50.4	348.6	4.1
	4	7.3	46.2	342.0	4.2

**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 – September - 2017)**

Sr. No.	PARAMETERS	TREATED WATER RESULTS			STIPULATED LIMIT BY HPSPCB
		Min.	Max.	Avg.	
1.	pH	7.3	7.7	7.5	-
2.	BOD (5 Days at 20 Deg. C)	10	12	11	30 mg/Lit.
3.	Total Suspended Solids	10	16	12.33	100 mg/Lit.

**5. Monthly Average of Ambient Noise Monitoring Report – September – 2017**

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	49.7	43.1	52.5	50.1	50.0	43.5	51.6	42.1	51.0	44.7
Inside Cooperative Stores	63.6	44.2	60.5	49.2	56.5	50.1	52.1	44.0	58.2	46.9
Petrol Pump	60.4	40.2	59.1	50.6	57.7	50.4	61.4	56.9	59.7	49.5
Main Gate (Near CSO's Office)	61.4	53.5	60.8	58.9	64.8	56.4	60.6	52.9	61.9	55.4
Inside CCR	61.2	54.4	60.1	48.7	60.5	58.6	61.2	58.4	60.8	55.0
Inside Mines Office	48.6	45.1	53.5	42.4	53.2	43.1	50.1	43.5	51.4	43.5
Kashlog Village	50.4	42.6	51.4	44.6	47.6	40.4	51.1	41.6	50.1	42.3
Magazine Section	50.2	43.5	55.2	43.1	53.9	41.9	48.7	44.9	52.0	43.4
Mines Reclaimed Area	51.9	42.3	53.3	45.7	53.3	45.7	50.1	42.4	52.2	44.0
Rathoh Village	52.5	40.6	52.6	40.2	52.6	43.1	48.6	42.1	51.6	41.5
Chandi Village	46.9	40.2	47.1	38.7	44.1	41.6	45.2	40.7	45.8	40.3
Piplughat Village	42.8	36.4	45.6	39.1	41.5	37.4	42.5	38.3	43.1	37.8



**Serve to Conserve**