

## Monitoring Details of Environmental quality in Dankuni Coal Complex, SCL, Dankuni, Hooghly, West Bengal:

### a. Stack Emission Details:

Date of Monitoring: 06.05.2014

Particulars	Bench No. 1	Bench No. 3	Bench No. 4	Bench No. 5	Test conducted by
Particulate Matter (mg/NM <sup>3</sup> )	2034	226	7		WBPCB
SO <sub>2</sub> ( g/NM <sup>3</sup> )					

Date of Monitoring: 18.08.2014

Particulars	Bench No. 1	Bench No. 3	Bench No. 4	Bench No. 5	Test conducted by
Particulate Matter (mg/NM <sup>3</sup> )	556	218	1071		WBPCB
SO <sub>2</sub> ( g/NM <sup>3</sup> )					

### b. Final Discharge Parameters:

Date	pH	TSS mg/l	COD mg/l	BOD mg/l	O & G mg/l	Phenol mg/l	NH <sub>4</sub> -N <sub>2</sub> mg/l	CN <sup>-</sup> mg/l	Test conducted by
16.06.2014	8.10	14	30.00	6	<1	0.60	0.82	0.07	WBPCB
17.07.2014	7.67	26.00	468.98	187.50	3.38	BDL	4.13	0.12	
06.08.2014	8.47	14	<30	-	1.20	1.44	0.33	BDL	
05.09.2014	7.75	20.00	392.28	91.50	98.75	31.55	1.08	BDL	
14.10.2014	8.08	224	502.83	125	1.12	60.55	71.40	BDL	
25.11.2014	7.69	14	<30	-	2	0.93	1.44	0.16	

c) Ambient Air Quality: Tendering for the job of Ambient Air Quality with 12 parameters instead of 4 has been delayed.

Location	Date	Time	Concentration ) g/m <sup>3</sup>											
			PM10	PM2.5	SO <sub>2</sub>	NO <sub>2</sub>	Pb	Ben zene	NH <sub>3</sub>	CO	Benzo(a) pyrene	As	Ni	O <sub>3</sub>
Roof of Janai Gate	28.11.14 to 29.11.14	09.15am to 05.15pm	94.71	51.31	16.67	35.73	BDL	BDL	BDL	0.0531	BDL	BDL	BDL	31.50
		05.25pm to 01.25am	81.21	38.80	13.88	32.16	BDL	BDL	BDL	0.0702	BDL	BDL	BDL	
		01.35am to 09.35am	72.47	43.70	15.74	33.95	BDL	BDL	BDL	0.0981	BDL	BDL	BDL	
Roof of Central Laboratory	28.11.14 to 29.11.14	09.30am to 05.30pm	85.33	34.96	17.59	33.95	BDL	BDL	BDL	0.0512	BDL	BDL	BDL	29.50
		05.35pm to 01.35am	82.97	32.46	14.81	31.27	BDL	BDL	BDL	0.0782	BDL	BDL	BDL	
		01.40am to 09.40am	76.85	29.96	12.96	32.16	BDL	BDL	BDL	0.0935	BDL	BDL	BDL	
Roof of Railway Weigh Bridge	28.11.14 to 29.11.14	09.45am to 05.45pm	103.82	52.63	19.40	37.31	BDL	BDL	BDL	0.0494	BDL	BDL	BDL	30.20
		05.50 pm to 01.50am	88.61	46.19	16.87	34.71	BDL	BDL	BDL	0.0765	BDL	BDL	BDL	
		01.55am to 09.55am	85.91	47.44	19.44	41.10	BDL	BDL	BDL	0.0945	BDL	BDL	BDL	
Roof of Guest House at DCC Township	28.11.14 to 29.11.14	09.15am to 05.15pm	94.71	51.31	16.67	35.73	BDL	BDL	BDL	0.0531	BDL	BDL	BDL	31.50
		05.25pm to 01.25am	81.21	38.80	13.88	32.16	BDL	BDL	BDL	0.0702	BDL	BDL	BDL	
		01.350am to 09.35am	72.47	43.70	15.74	33.95	BDL	BDL	BDL	0.0981	BDL	BDL	BDL	

## d) Noise Level Monitoring:

Unit (dBA)

Date	Time	Section	Location	Noise level
09.10.14	10.00 am	Retort House	I/c Office	64.5
	10.15 am		Charging Floor Operator's Room	68.4
09.10.14	10.30 am	Coal Handling Plant	I/c Office	70.2
	10.40 am		Operator's Room	64.0
09.10.14	03.30 pm	Gas Compressor House	Outside	71.0
	03.45pm		Operator's Room	67.4
10.10.14	11.10am	Gas Cleaning Plant	I/c Office	67.8
	11.20 am		Inside the Salt House	72.5
10.10.14	11.30 am	Tar Distillation Plant	I/c Office	66.2
	11.45 am		Operator's Room	66.6
10.10.14	04.40 pm	Main Gate	Outside the Gate	55.2
	04.50 pm		Inside the Gate	56.3

