



Orissa Power Generation Corporation Ltd

Ib thermal power station

Banaharpali, Jharsuguda, Orissa

Stack Monitoring report, July-09

STANDARD: 150 mg/Nm³

Date	Unit	Flue Gas Temp. in °C	F.G. Velocity (m/Sec)	SPM mg/Nm ³	CO ₂ , %	CO, PPM	SO ₂ , PPM	NO _x , PPM
06.07.09	I	122.0	27.0	120	10.8	58	471	184
14.07.09	I	123.0	27.5	138	11.1	28	437	298
24.07.09	I	125.0	27.3	124	10.7	69	465	175
27.07.09	I	122.0	27.0	130	10.6	52	427	219
06.07.09	II	Unit under shutdown						
14.07.09	II	Unit under shutdown						
24.07.09	II	123.0	24.1	138	11.2	88	425	178
27.07.09	II	121.0	24.5	123	10.7	64	462	234

AMBIENT AIR MONITORING REPORT (MONTH - JULY - 2009.)

Location	Date	Noise in dB(A)	Noise in dB(A)	SO ₂ µg/m ³	NO ₂ µg/m ³	RPM µg/m ³	SPM µg/m ³
INDUSTRIAL		Day Time	Night	Ave.24 hrs.			
STANDARD		75	70	120	120	150	500
D.M.Plant (65° NW, Dist:-250 Mtr.)	10.07.09	62	59	< 10	17	33	115
	16.07.09			< 10	<15	27	97
	22.07.09			< 10	15	21	61
	29.07.09			10	<15	40	119
Loco Shed (82° SE, Dist:1.25Kms.)	10.07.09	63	55	< 10	<15	34	107
	16.07.09			< 10	<15	26	119
	22.07.09			< 10	<15	34	67
	29.07.09			< 10	<15	31	95
Plant Gate (20° NE, Dist:-700 Mtr.)	10.07.09	61	51	< 10	<15	42	79
	16.07.09			< 10	16	29	113
	22.07.09			< 10	<15	19	48
	29.07.09			< 10	<15	33	105
RESIDENTIAL:		Day Time	Night				
STANDARD		55	45	80	80	100	200
P.H Office (45° NE, Dist:-1.80 Kms.)	10.07.09	52	40	< 10	<15	32	101
	16.07.09			< 10	<15	24	80
	22.07.09			< 10	18	16	56
	29.07.09			< 10	<15	40	114
Phalsamunda (North, Dist:-3.0Kms)	10.07.09	53	41	No power supply			
	16.07.09			< 10	<15	25	72
	22.07.09			No power supply			
	29.07.09			< 10	<15	25	87
Banaharpali (70° SE, Dist:-1.60Kms.)	10.07.09	51	43	10	<15	30	89
	16.07.09			< 10	<15	27	76
	22.07.09			< 10	<15	22	41
	29.07.09			10	17	35	103

Effluent- Ash water and other liquid effluents are reused inside Plant after required treatment.

Ash Utilization- % of utilization upto July-09- 19.1

U.K Pahi
Manager(EHS)