



## Orissa Power Generation Corporation Ltd

### Ib thermal power station

**Banaharpali, Jharsuguda, Orissa**

**Stack Monitoring report, June-09**

**STANDARD: 150 mg/Nm<sup>3</sup>**

Date	Unit	Flue Gas Temp. in °C	F.G. Velocity (m/Sec)	SPM mg/Nm <sup>3</sup>	CO <sub>2</sub> , %	CO, PPM	SO <sub>2</sub> , PPM	NO <sub>x</sub> , PPM
01.06.09	I	125.0	26.9	121	11.2	72	468	226
09.06.09	I	124.0	27.3	129	11	82	432	244
17.06.09	I	125.0	27.5	137	11.1	68	424	256
25.06.09	I	122.0	27.2	130	11.3	66	455	208
01.06.09	II	127.0	25.1	129	11.4	64	488	237
09.06.09	II	125.0	24.6	123	11.2	76	485	252
17.06.09	II	Unit is under shutdown						
25.06.09	II	Unit is under shutdown						

### AMBIENT AIR MONITORING REPORT (MONTH - JUNE - 2009. )

Location	Date	Noise in dB(A)	Noise in dB(A)	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	RPM µg/m <sup>3</sup>	SPM µg/m <sup>3</sup>
<b>INDUSTRIAL</b>		<b>Day Time</b>	<b>Night</b>	<b>Ave.24 hrs.</b>			
<b>STANDARD</b>		<b>75</b>	<b>70</b>	<b>120</b>	<b>120</b>	<b>150</b>	<b>500</b>
<b>D.M.Plant</b> (65° NW, Dist:-250 Mtr.)	05.06.09	64	61	12	21	66	165
	12.06.09			< 10	18	78	184
	22.06.09			10	< 15	48	117
	29.06.09			< 10	15	44	144
<b>Loco Shed</b> (82° SE, Dist:1.25Kms.)	05.06.09	61	54	< 10	16	71	179
	12.06.09			11	19	68	172
	22.06.09			< 10	15	38	126
	29.06.09			< 10	<15	54	122
<b>Plant Gate</b> (20° NE, Dist:-700 Mtr.)	05.06.09	60	52	< 10	20	77	170
	12.06.09			10	15	79	186
	22.06.09			< 10	< 15	50	132
	29.06.09			12	< 15	47	150
<b>RESIDENTIAL:</b>		<b>Day Time</b>	<b>Night</b>				
<b>STANDARD</b>		<b>55</b>	<b>45</b>	<b>80</b>	<b>80</b>	<b>100</b>	<b>200</b>
<b>P.H Office</b> (45° NE, Dist:-1.80 Kms.)	05.06.09	53	42	< 10	22	90	178
	12.06.09			< 10	25	62	147
	22.06.09			< 10	< 15	43	103
	29.06.09			< 10	16	52	111
<b>Phalsamunda</b> (North, Dist:-3.0Kms)	05.06.09	53	42	< 10	24	68	168
	12.06.09			< 10	21	56	126
	22.06.09						
	29.06.09			< 10	15	34	139
<b>Banaharpali</b> (70° SE, Dist:-1.60Kms.)	05.06.09	54	43	< 10	20	73	154
	12.06.09			< 10	18	73	150
	22.06.09			< 10	16	51	109
	29.06.09			< 10	< 15	46	130

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

**Ash Utilization- % of utilization upto June-09- 18.95**

U.K Pahi  
Manager(EHS)