


ORISSA POWER GENERATION CORPORATION LTD							
	IB THERMAL POWER STATION						
	ENVIRONMENTAL MONITORING REPORTS						
	Period- December 2009						
STACK EMISSION							
PARAMETER	Limit	STACK 1		NORM	STACK 2		Remark
		MAX.	MIN.		MAX.	MIN.	
SPM (mg/Nm3)	150	205	144	150	140	121	Unit 1 stack exceedence during its start up stage after its capital overhaul(about 72 hrs). During this period ambient air particulate matter was monitored and found within the limit value.
SOx (PPM)	NA	610	463	NA	466	428	
NOX (PPM)	NA	280	218	NA	236	194	
AMBIENT AIR QUALITY							
Parameter	Limit	MAX.		MIN.		Remark	
PM ₁₀ (ug/m3)	100	92		64			
SO ₂ (ug/m3)	80	15		7			
NO ₂ (ug/m3)	80	36		15			
NOISE							
	INDUSTRIAL			RESIDENTIAL			Remark
	Station 1	Station 2	Station 3	Station 1	Station 2	Station 3	
Limit(Day)	75dBA			55dBA			
Day, dBA	64,82,84,69	53,73,73,56	60,77,76,64	54	50	52	02 days noise level exceedences inside plant due to Unit 1 start up activity.
Limit(Night)	70dBA			45dBA			
Night, dBA	59,79,80,66	50,68,67,53	52,71,73,61	44	43	43	
INDUSTRIAL EFFLUENT							
Reused inside Plant after required treatment. Surplus treated effluent-135 KL was discharged meeting the effluent parameter limits very well during the period from 10.12.09 to 18.12.09. Surplus effluent was generated during Unit 1 start up period after its capital overhaul.							
ASH UTILIZATION							
Month, %				31.3			
Year to Day, %				20.2			

U.K Pahi
Manager(EHS)