ORISSA POWER GENERATION CORPORATION LTD.														
HAZARD IDENTIFICATION & RISK ASSESSMENT (OCCUPATIONAL HEALTH & SAFETY)														
FORMAT REVISION NO: 02/00		DATE: 11.12.08		DOCUMENT REVISION STATUS : R-				DOCUMENT REVISION DATE :						
Sl. NO	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK									
					QUALITATIVE			QUANTITATIVE			RPN	S/NS	Reference	
		N/AB/E			LC	BC	IPC	A	B	C				
1	Cleaning activities	N	Exposure to dust	Respiratory problems	N	N	N	6	10	3	180	NS		
		AB	Exposure to micro organisms / bacteria during cleaning or repair of toilets / urinals / pipelines	Health hazards due to infection	N	N	N	6	10	3	180	NS		
2	Concreting work at height	AB	Fall from height	Injury	N	N	N	4	50	3	600	S		
		N	Exposure to dust	Respiratory problems	N	N	N	6	10	3	180	NS		
		N	Contact with concrete	Skin irritation	N	N	N	6	2	3	36	NS		
		N	Exposure to dust(cement)	Eye irritation	N	N	N	4	5	5	100	NS		
3	Earth excavation in foundation/ trench	AB	Collapsing of earth	Injury	N	N	N	8	2	3	48	NS		
		N	Exposure to dust	Respiratory problems	N	N	N	6	10	3	180	NS		
4	Movement of Dumpers/ Dozers/ tractors/ tankers & other heavy vehicles during working hour	AB	Exposure to noise>85db during running of vehicles	Hearing impaired	N	N	N	2	2	5	20	NS		
		N	Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort,Eye injury	N	N	N	4	5	5	100	NS		
5	Painting work	AB	Falling of objects from height	Injury	N	N	N	4	5	3	60	NS		
		N	Inhalation of fumes	Respiratory problems	N	N	N	4	5	3	60	NS		
		AB	Falling from height	Injury	N	N	N	4	50	3	600	S		
		AB	Collapse/failure of scaffolding	Injury	N	N	N	4	30	3	360	S		
		AB	Fall due to Snapping of PP rope	Fatal	N	N	N	4	50	3	600	S		
6	Performing High & Medium risk jobs	N	Hazards due to performing the jobs without JSA, Job briefing and adequate supervision	Fatality/ Injury	N	N	Y	4	50	3	600	S		
7	Cement Plaster work	AB	Falling of objects	Injury	N	N	N	4	5	3	60	NS		
		AB	Collapse/failure of scaffolding	Injury	N	N	N	4	20	3	240	S		

SI. NO	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK								
		AB	Falling from height	Injury	N	N	N	4	50	3	600	S	
		AB	Collapse/failure of scaffolding	Injury	N	N	N	4	30	3	360	S	
8	Replacement of damaged materials	AB	Fall of object from height	Injury	N	N	N	6	10	3	180	NS	
9	Scaffolding erection or dismantling	N	Fall from height	Fatality/ Injury	Y	N	Y	4	50	3	600	S	
10	Stacking of construction materials at work site	AB	Road accident due to dumping of construction material and work on road	Injury	N	N	N	4	30	3	360	S	
11	Transportation of debris	AB	Faliure of vehicle due to overloading/unsafe dtiving /mechanical failure	Accident	N	N	N	3	20	3	90	NS	
12	Work at height	N	Fall from height due to failure on use of substandard, untested or damaged ladder	Fatality/ Injury	Y	N	Y	6	50	3	900	S	