

## ORISSA POWER GENERATION CORPORATION LTD.

## HAZARD IDENTIFICATION &amp; RISK ASSESSMENT ( OCCUPATIONAL HEALTH &amp; SAFETY )

FORMAT REVISION NO: 02/00		DATE: 11.12.08		DOCUMENT REVISION STATUS : R-			DOCUMENT REVISION DATE :					
SI. NO	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK							Reference
					QUALITATIVE			QUANTITATIVE			RPN	
		N/AB/E			LC	BC	IPC	A	B	C		
1	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
2	Earth excavation in foundation/ trench and back filling	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
3	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
4	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
5	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
6	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
		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

## HIRA

SI. NO	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK							
7	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
8	Transportation of debris	AB	Failure of vehicle due to overloading/unsafe driving /mechanical failure	Accident	N	N	N	3	20	3	90	NS
9	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