



**ODISHA POWER GENERATION CORPORATION LTD**

IB THERMAL POWER STATION

BANAHARPALLI

**HAZARD IDENTIFICATION & RISK ASSESSMENT ( OCCUPATIONAL HEALTH & SAFETY )**

FORMAT NO: ER 5/10-F1

FORMAT REVISION NO: 02/00		DOCUMENT REVISION STATUS : R- 21		DOCUMENT REVISION DATE : 10.08.18			
Sl. No.	Responsible Deptt.	Activity	Description of Hazard	Risk	Existing Control	Significant/Non significant	Acceptable/Non-Acceptable(A/NA)
	<b>ASH MANAGEMENT</b>	Earth excavation work(Manual)	Collapsing of earth	Injury / disability	EM-4/29,EM-4/36,EM-4/29	NS	A
			Falling into trench	Injury leading to fractures.	EM-4/79,EM-4/36,EM 4/43	NS	A
		Transportation of debris.	Faliure of vehicle due to over loading/unsafe driving/mechanical failure	Injury/Fatal	EM- 4/47,	NS	A
			Falling of dust in eye while loading & unloading	Eye irritation	EM-4/93,	NS	A
			Exposure to hazardous waste which are mixed with debris	Injury	EM-4/8	NS	A
		( c ) Stone pitching	Hiting of stone with body parts while unloading from dumper	Injury	EM-4/47,EM-4/45	NS	A
			Hiting of stone with body parts due to fall of stone while carrying from stack to work spot manually	Injury	EM-4/47,EM-4/45	NS	A

Sl. No.	Responsible Deptt.	Activity	Description of Hazard	Risk	Existing Control	Significant/Non significant	Acceptable/Non-Acceptable(A/NA)
			Slip/Fall while carrying stone on slope	Injury/ disability/Fatal	EM 4/47	NS	A
			Hiting of stone with body parts while placing stones	Injury	EM 4/47,EM-4/45	NS	A
			Slip/Fall while placing stone	Injury/ disability	EM 4/47,EM-4/45	NS	A
		(e) Drain construction	Hiting of stone/boulder with body parts while unloading from dumper	Injury	EM-4/47,EM-4/45	NS	A
		Stacking of construction materials at work site	Road accident due to dumping of construction material and work on road	Injury	EM 4/47,EM-4/74,EM-4/21	NS	A
		Movement of Dumpers / Dozer / tractors / tankers & oth, heavy vehicles & light vehicles	Slipping/over topping of vehicle during transportation of materials	Major injury/ Fatal	EM 4/47, EM 4/74, Effective supervision and training. Flaggers, Vehicle Speed control. Edge Guard Provision	NS	A
			Hitting by heavy vehicles & machinery during rolling	Injury / Disability / Fatal	EM-4/74,EM-4/21	NS	A
			Exposure to dust during movement of vehicles/machineries	Physical Discomfort, Eye injury	EM-4/93,,EM-4/45	NS	A
			Exposure to noise<85db during running of vehicles	Physical Discomfort	EM-4/23,EM-4/45	NS	A
			Exposure to noise>85db during running of vehicles	Hearing impaired	EM-4/23,EM-4/45	NS	A
			Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort, Eye injury	EM-4/74,EM-4/21	NS	A

Sl. No.	Responsible Deptt.	Activity	Description of Hazard	Risk	Existing Control	Significant/Non significant	Acceptable/Non-Acceptable(A/NA)
		Earth excavation work in shallow foundation/trenches	Collapsing of earth	Injury	EM-4/47,EM-4/36	NS	A
			Falling into trench	Injury leading to fractures	EM-4/47,EM-4/36,EM-4/79	NS	A
		Concreting at height	Fall from height	Injury	EM-4/7,EM-4/79,EM 4/43,MP-08	NS	A
			Failure of scaffolding	Injury	EM 4/7, MP-08	NS	A
			Falling of constructions materials	Injury	EM 4/47	NS	A
			Exposure to dust	Respiratory problems	EM-4/93,,EM-4/45	NS	A
			Contact with concrete	Skin irritation	EM-4/45	NS	A
		Transportation of debris	Faliure of vehicle due to overloading/unsafe dtiving /mechanical failure	Accident	EM 4/45	NS	A
			Falling of dust in eye while loading & unloading	Eye irritation	EM-4/93,,EM-4/45	NS	A
		Ash filling in low land	Contamination of ground water	Health hazard	EM 4/51,EM-4/8	NS	A