



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
1	2	3	4	5	7	13
	ASH POND	Earth excavation work(Manual)	Collapsing of earth	Injury / disability	EM-4/29,EM-4/36,EM-4/29	NS
			Falling into trench	Injury leading to fractures.	EM-4/79,EM-4/36,EM-4/43	NS
		Transportation of debris.	Failure of vehicle due to over loading/unsafe driving/mechanical failure	Injury/Fatal	EM- 4/47,	NS
			Falling of dust in eye while loading & unloading	Eye irritation	EM-4/93,	NS
			Exposure to hazardous waste which are mixed with debris	Injury	EM-4/8	NS
		(d) Suppression of ash blowing	Exposure to dust while sprinkling water	Physical Discomfort	EM-4/93,,EM-4/45	NS
		(b) Earth embankment or earth covering	Hitting of excavator to dumper driver/helper/supervisor	Injury/Disability/Fatal	EM-4/74,EM-4/29	NS
			Exposure to dust during unloading of earth	Physical Discomfort	EM-4/93,,EM-4/45	NS
			Slipping/over topping of roller during rolling	Major injury/ Fatal	EM-4/74,EM-4/21	NS
			Hitting by roller during rolling	Injury/Disability/Fatal	EM-4/74,EM-4/21	NS
		(f) Road construction	Hitting of construction materials with body parts while unloading from dumpers	Injury	EM-4/47,EM-4/45,EM-4/74	NS
			Hitting 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
			Hitting of stone with body parts while placing stones	Injury	EM-4/47,EM-4/45	NS
			Slipping/over topping of roller during rolling	Major injury/ Fatal	EM-4/74,EM-4/21	NS
			Exposure to dust while cleaning surface	Respiratory problems / Lung infection/	EM-4/93,,EM-4/45	NS
				Eye irritation	EM-4/45	NS
			Contact with hot material	Burn Injury	EM-4/45,EM 4/43	NS
		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
		Movement of Dumpers/Dozer/tractors/tankers & oth, heavy vehicles & light vehicles on ash pond dykes	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
			Hitting by heavy vehicles & machinery during rolling	Injury/Disability/Fatal	EM-4/74,EM-4/21	NS
			Exposure to dust during movement of vehicles/machineries	Physical Discomfort, Eye injury	EM-4/93,,EM-4/45	NS
			Exposure to noise<85db during running of vehicles	Physical Discomfort	EM-4/23,EM-4/45	NS
			Exposure to noise>85db during running of vehicles	Hearing impaired	EM-4/23,EM-4/45	NS
			Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort, Eye injury	EM-4/74,EM-4/21	NS
		Movement of heavy vehicles in ash pond during odd hour (Night)	Vehicle movement (vehicle hitting)	Major Injury/Fatality	JSA & Supervision	S

U.K Pahi
MA & EHS Manager
Dated- 10.08.18