

**ANNEXURE # 2**

HIRA for the work : Excavation and Transportation of Ash From Ash Pond													
Sl. No.	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK								
					QUALITATIVE			QUANTITATIVE			RPN	S/NS	REFERENCE
					LC	BC	IPC	A	B	C			
1	Suppression of ash blowing	N	Exposure to dust while sprinkling water	Physical Discomfort	N	N	N	8	5	4	160	NS	
2	Excavation of Ash												
3		AB	Hitting of excavator to dumper driver/helper/supervisor	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
4		N	Exposure to dust during excavation of Ash	Physical Discomfort	N	N	N	8	5	5	200	NS	
5		AB	Slipping/over topping of roller/dozer during rolling/dozing	Major injury/Fatal	N	N	N	8	5	3	120	NS	
6	Ash Loading	AB	Hitting of excavator to dumper driver/helper/supervisor	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
7		N	Exposure to dust during Ash Loading	Physical Discomfort	N	N	N	6	5	5	150	NS	
8		AB	Slipping/over topping of roller during rolling	Major injury/Fatal	N	N	N	8	5	3	120	NS	
9		AB	Hitting by roller during rolling	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
10	Haul Road construction	AB	Hitting of construction materials with body parts while unloading from dumpers	Injury	N	N	N	3	20	3	180	NS	
11		AB	Slipping/over topping of roller/vehicle/dozer	Major injury/Fatal	N	N	N	6	5	3	90	NS	
12				Eye irritation	N	N	N	4	5	5	100	NS	

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					QUALITATIVE			QUANTITATIVE			RPN	S/NS	REFERENCE
					LC	BC	IPC	A	B	C			
		N/AB/E											
13	Movement of Dumpers/Dumper/tractors/tractors/tractors & other heavy vehicles during Transportation of Ash	AB	Slipping/over topping of vehicle during transportation of Ash	Major injury/Fatal	N	N	N	8	50	3	1200	S	EM 4/47
14		AB	Hitting by heavy vehicles & machinery during transportation	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
15		N	Exposure to dust during movement of vehicles/machineries	Physical Discomfort ,Eye injury	N	N	N	8	5	5	200	NS	
16		N	Exposure to noise<85db during running of vehicles	Physical Discomfort	N	N	N	8	5	3	120	NS	
17		AB	Exposure to noise>85db during running of vehicles	Hearing impaired	N	N	N	2	2	5	20	NS	
18		N	Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort ,Eye injury	N	N	N	4	5	5	100	NS	