

HIRA for the work : "Evacuation of Ash from BTG Area and disposal followed by depositing at designated area,OPGC-II.

Sl. No	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK									
					QUALITATIVE			QUANTITATIVE			RPN	S/N S	REFERENCE	
					L C	B C	IP C	A	B	C				
		N/AB/E												
1	Grass cutting	AB	Snake bite by poisonous snake	Fatal	N	N	N	4	50	3	600	S	EM 4/43	
2		AB	Insect biting	Injury / Temporary illness	N	N	N	4	10	3	120	NS		
3		N	Contact with Thorns / Bushes	Cuts / Injury/ skin irritaion	N	N	N	4	10	3	120	NS		
4	Transportation of ash/earth.	AB	Faliure of vehicle due to over loading/unsafe driving/mechanical failure	Injury/Fatal	N	N	N	4	50	3	600	S	EM 4/47	
5		N	Falling of dust in eye while loading & unloading	Eye irritation	N	N	N	7	20	3	420	S		
6		AB	Exposure to hazardous waste which are mixed with ash/earth.	Injury	N	N	N	7	2	3	42	NS		

7	(d) Supression of ash blowing	N	Exposure to dust while sprinklig water	Physical Discomfort	N	N	N	8	5	4	160	NS	
9	(a) Reclamation of low land with ash stock area engaging machineries	AB	Hitting of dozer to dumper driver/helper/super visor	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
10		N	Exposure to dust during unloading of ash.	Physical Discomfort	N	N	N	8	5	5	200	NS	
11		AB	Slipping/over topping of roller during rolling	Major injury/ Fatal	N	N	N	8	5	3	120	NS	
12		AB	Hitting by roller during rolling	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
13	(b) Earth covering	AB	Hitting of excavator to dumper driver/helper/super visor	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
14		N	Exposure to dust during unloading of earth	Physical Discomfort	N	N	N	6	5	5	150	NS	
15		AB	Slipping/over topping of roller during rolling	Major injury/ Fatal	N	N	N	8	5	3	120	NS	
16		AB	Hitting by roller during rolling	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	

17	Movement of Dumpers/ Dozer/tractors/tankers & other heavy vehicles during working hour	AB	Slipping/over topping of vehicle during transportation of materials	Major injury/ Fatal	N	N	N	8	50	3	1200	S	EM 4/47
18		AB	Hitting by heavy vehicles & machinery during rolling	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
19		N	Exposure to dust during movement of vehicles/machineries	Physical Discomfort, Eye injury	N	N	N	8	5	5	200	NS	
20		N	Exposure to noise < 85db during running of vehicles	Physical Discomfort	N	N	N	8	5	3	120	NS	
21		AB	Exposure to noise > 85db during running of vehicles	Hearing impaired	N	N	N	2	2	5	20	NS	
22		N	Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort, Eye injury	N	N	N	4	5	5	100	NS	