

HIRA for the work : Land scaping and Construction of Ash Mound on Ash Pond 'B' at ITPS.

Sl. No.	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK								
					QUALITATIVE			QUANTITATIVE			RPN	S/NS	REFERENCE
					LC	BC	IPC	A	B	C			
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 debris.	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 debris	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	
8	Construction of Ash mound												
9	(a) Ash mound construction engaging machineries	AB	Hitting of excavator to dumper driver/helper/supervisor	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS	
10		N	Exposure to dust during unloading of earth	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/supervisor	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	

HIRA for the work : Land scaping and Construction of Ash Mound on Ash Pond 'B' at ITPS.

Sl. No.	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK									
					QUALITATIVE			QUANTITATIVE			RPN	S/NS	REFERENCE	
					LC	BC	IPC	A	B	C				
		N/AB/E												
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	(f) Road construction	AB	Hiting of construction materilas with body parts while unloading from dumpers	Injury	N	N	N	3	20	3	180	NS		
18		AB	Hiting of stone with body parts due to fall of stone while carrying from stack to work spot manually	Injury	N	N	N	8	10	3	240	NS		
19		AB	Hiting of stone with body parts while placing stones	Injury	N	N	N	8	10	3	240	NS		
20		AB	Slipping/over topping of roller during rolling	Major injury/ Fatal	N	N	N	6	5	3	90	NS		
21		N	Exposure to dust while cleaning surface	Respirator y problems / Lung infection/	N	N	N	4	5	5	100	NS		
22				Eye irritation	N	N	N	4	5	5	100	NS		
23		AB	Contact with hot material	Burn Injury	N	N	Y					S	EM 4/43	
24	(g) Turfing	AB	Hiting of spade with body parts during cutting of turf by sapde	Injury	N	N	N	8	2	3	48	NS		
25		AB	Fall from slope of ash dyke during placing of turf	Injury	N	N	N	8	10	3	240	NS		
26		AB	Fall from slope of ash dyke during watering to turf	Injury	N	N	N	8	10	3	240	NS		

HIRA for the work : Land scaping and Construction of Ash Mound on Ash Pond 'B' at ITPS.

Sl. No.	ACTIVITIES	OCCURRENCE OF HAZARDS	HAZARDS	RISKS	EVALUATION OF RISK									
					QUALITATIVE			QUANTITATIVE			RPN	S/NS	REFERENCE	
					LC	BC	IPC	A	B	C				
27	Movement of Dumpers/Dumper/tractors/tractors & 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	
28		AB	Hitting by heavy vehicles & machinery during rolling	Injury/Disability/Fatal	N	N	N	8	5	3	120	NS		
29		N	Exposure to dust during movement of vehicles/machineries	Physical Discomfort ,Eye injury	N	N	N	8	5	5	200	NS		
30		N	Exposure to noise<85db during running of vehicles	Physical Discomfort	N	N	N	8	5	3	120	NS		
31		AB	Exposure to noise>85db during running of vehicles	Hearing impaired	N	N	N	2	2	5	20	NS		
32		N	Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort ,Eye injury	N	N	N	4	5	5	100	NS		