

<b>JOB SAFETY ANALYSIS (JSA)</b>					
FORMAT NO: ER 5/10– F2.					
Department Ash pond	Equipment Ash pond.	Job description: Earth Capping over Ash Pond 'A' of ITPS..		JSA Serial No	
Company	Orissa Power Generation Corporation		Date of Issue : 17.10.2022		
Location	Ash Pond.IB-Thermal Power Station	Period of work		Reviewed By: G.P. Mishra; Sr. Engineer Civil	Signature
Analysis By	Name : A.K.Panda.	Designation: Dy. Manager	Signature :	Recommeneded By(S.O):	Signature
Name of associated persons	OPGC:Mr.A.K.Panda. Contractor:Mr.....		Approved By( Factory Manager):		Signature
PPE Required	Safety shoes, Helmet, dust mask, Ear plug, safety glass		Revision By :		Signature
Tools Required	Sprade, crowbar, hosepipe etc.		Date of Rev :		
SEQUENCE OF BASIC STEPS		IDENTIFIED SAFETY, HEALTH &		RECOMMENDED SAFE JOB STEPS	
1.Excavation of earth & loading into vehicle.		1.Blowing of dust. Inhalation of dust.		1. Sprinkling of water & use of dust mask by workmen.	
(Excavation of earth from borrow area arranged by contractor and shifted to Ash Pond 'A'.)		2.Air pollution due to fugitive emission. 3.Tilting of excavator. Injury to workmen.		2. Excavation to be done carefully. Rigidity of area soil near excavator post to be ensured.	
2. Transportation of earth to site by Vehicles and unloading the same. 3. Reversing the Vehicle on the narrowdyke.		1. Hitting with the Vehicles/ persons during loading.		1. Loading to be done carefully. No person will be allowed to stay within the swing area of boom of excavator. Vehicles will be fixed with back gear alarms.	
		2.Tilting of vehicle as the road is narrow at places.		2. Adequte Supervison to be made.	
		3.Road accident		3.All vehicles will have valid documents like R.C.Book, Insurance, Fitness certificate etc.	
		4.Blowing of dust due to movement of vehicle.		4.The driver will have valid driving licence and shall not drive in alcholic condition.	
		5.Blockage of road.		5.The vehicle should lmit the speed to 10 KM/Hr on the dyke.	
7.Sprinkling of water over the road is to be ensured.				8.Vehicle should not to be parked on the road.	
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			10. Tyre in good condition. 11. While parking the vehicle for loading/unloading, stoppers should be provided on both front & rear wheel. 12. Safety triangle is to be fitted on the front side of vehicle for distinct visibility. 13. The dala of the vehicle should be in good condition and there should not be any holes/cracks/looseness in the body of the dala through which earth will come out & fall on the road. 14. The vehicles should move on specific route as approved by Engg.-in-charge 15. Drivers eye test to be carried out.
4. Spreading of earth over ash.	1. Blowing of dust due to movement of vehicle. 2. Blowing of ash. 3. Injury due to slip of spades.	1. Sprinkling of water & use of dust mask by workmen. 2. Use of proper PPE.	
5. Maintenance of vehicles.	1. Oil spillage/ leakage.	1. Defect is to be attended as early as possible. 2. Spillage of oil is to be contained & cleaned.	
6. Review the job while execution	1. Identify while working	1. Take appropriate action.	
Emergency Safety measure for the job if any: First-Aid box should be kept at site. Emergency telephone No. Fire - 777,222257 and Hospital 600,222243 should be intimated to the workmen. This should be discussed with all. A responsible person should be present throughout the working hours for supervision and carrying out the instruction of Engineer-in-charge at any instant of time. No workmen will be allowed in alcoholic condition or without safety PPEs in the working area. Consider hazard during summer drinking water, ORS powder, Rest shed etc. should be provided at site.			