

Format No: ER 5/10-F2		ITPS JOB SAFETY ANALYSIS (JSA)				
Serial No.	Department	Equipment	Location	Job description		
	Civil Maintainece, main palnt	NA	ITPS	"Construction of bottom ash slurry tank for Unit-3&4 at OPGC" .		
Analysis Done by (EIC/Supervisor/ competent person)	Signature	Reviewwd & approved by (SIC)	Signature	Date of Issue	Date of revision	Revison No
HAZARD TEXT/TYPE						
PHYSICAL HARZARDS	PHYSICAL HARZARDS	PHYSICAL HARZARDS	ELECTRICAL HAZARDS	CHEMICAL/GAS HARZARDS	EXCAVATION	OTHERS
Noise	Fall from Height	Force (push/pull)	shock/Electrocution	Flammable/ Explosive	Collapse/sliding	Fire
Radiation	Fall (slip/Trip)	Caught in/on or between	Static electricity	Fumes Inhalation	Underground live cable	Heavy wind / Rain
Confined space	Fall down/below	Struck by/against	Arc/flash blast	Ingestion/Absorption	Eegronomics	Dust exposure
Exposure to pressurised steam/Air	Fall of objects from height	Extreme weather (hot&cold)	BIOLOGICAL HAZARDS	Body/Eye contact	Poor posture	Oil spill
Contact with Hot surface	contacts with moving parts	poor illumination		Spillage	Repeatative motion	Human factor
PPEs to be used	Safety Halment,safety Glass,Hangloves,Earplug, safety shoe & full body harness					
Tools required	Phauda, belcha, bucket, trowel, gainti, gambra etc					
SEQUENCE OF BASIC STEPS		SAFETY,HEALTH&ENVIROMENT		SAFE JOB STEPS AND CONTROL MEASURES		
1) Earth work excavation		1) Fall (Slip/Trip)		1) clean the site properly & Use safety shoes, helmet, glass, dustmask, ear plug and hand gloves		
		2) Body injury		2) Work & handle the required tools carefully		
		3) Fall down below		3) Baricade the area		
		4) Contact with live cable/structure		4) PTW shall be taken before start the job.		
2) Sand filling/back filling, PCC, RCC, Reinforcement binding & shuttering		1) Fall (Slip/Trip)		1) Clean the site properly		
		2) Irritation on hand/leg during using of concrete.		2) Use rubber hand gloves & gum boot during cement concreting works.		
		3) Body/eye injury		1) Work & handle the required tools carefully & Use safety shoes, helmet, glass, dustmask, and hand gloves		
Emergency safety measures for the job if any -		One electrical contract supervisor should be present during painting of external wall at switch yard side.				
Applicable Emergency Safety Measures		Emergency Tel Nos -fire- 777,222257, Ambulance- 248/277, Hospital- 666(Mcr/233/244/222222				
Overall risk category-(High/Medium/Low):		Medium				