

Format No: ER 5/10- F2, JOB SAFETY ANALYSIS (JSA), IB THERMAL POWER STATION, OPGC							
Serial No.	Department	Equipment	Location	Job description:			
	Facility management		F/M office	Repairing of CMT & Learning centre at ITPS Colony			
JSA performed by:	Signature	Reviewed & Approved by	Signature	Date of Issue	Date of revision		Revision No-
Nishant singh		Bichita Padhy					
HAZARD TEXT/TYPE ( For reference to identify the Hazard type )							
PHYSICAL HAZARDS	PHYSICAL HAZARDS	PHYSICAL HAZARDS	ELECTRICAL HAZARDS	CHEMICAL/ GAS HAZARDS	EXCAVATION	OTHERS	
Noise	Fall from height	Force (Push/Pull)	Shock/ Electrocutation	Flammable/ Explosive substances	Collapse/Sliding	Fire	
Radiation	Fall (Slip/Trip)	Caught in/on or between	Static electricity	Inhalation of toxic fumes	Underground live cable damage	Heavy Wind/Rain	
Confined space	Fall down/below	Struck by/against	Arcflash/ blast	Ingestion/Absorption	ERGONOMICS	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	Contact with moving parts	Poor illumination	Snake/Insect bite/Virus infection	Spillage	Repeatative motion	Human factor	
PPEs to be used	Safety shoes, hand gloves ,safety helmet, gumboots, safety belt						
Tools required							
<b>Important Note-</b> While deciding hazard control measures, consider hierarchy of hazard control steps in order of preference.							
SEQUENCE OF BASIC STEPS	SAFETY, HEALTH & ENVIRONMENT HAZARDS	SAFE JOB STEPS / HAZARD CONTROL MEASURES				Are control Measures adequate to mitigate the	
		Elimination/ Substitution	Engineering	Administrative	PPE		
Excavation work	Electrical conduit and sewage pipe line should be identified		Excavation permit should be obtained before starting of the work.Trench must be barricaded.		safety shoes, hand gloves, dust mask, safety helmet	yes	
Brick work/ concreting / Plastering	While pouring concrete/ plaster for brick work etc cement slurry should not come in contact with hand		Proper care should be taken by utilising the experienced and skilled labour		safety shoes, hand gloves, dust mask, safety helmet	yes	
Preparation of paint	During preparation of paint, it may enter different parts of the body like nose, ear, eye etc.		No flame or spark should be used while preparation of paint.		Hand gloves, safety googles must be worn.	yes	
Working at height	Fall from height, slip		Height work permit should be ensured before strating of work, Proper scaffolding shall be done as per norms. Scaffolding should be inspected and approved.		Safety helmet, safety belt, safety googles, hand gloves, safety shoes.	yes	
Application of paint	While painting paint may enter different parts of the body. Also paint may fall on floor		Clotes, gunny bag may be laid on the surface or floor.		Hand gloves, safety googles must be worn.	yes	
Welding of MS steel	Contact with Hot surface		Hot work permit required.		Safety shoes, hand gloves ,safety helmet, safety belt, welding helmet, welding gloves.	yes	
Final inspection and housekeeping	Any left out material if kept on site		Material should be removed with proper PPEs so that no injury to be occurred to others.		safety shoes, hand gloves, dust mask, safety helmet	yes	
Emergency Safety Measures ( Rescue/Fire Brigade etc):			Emergency Contacts-Main Control Room- 222, 233,244, Fire- 777, 222257, Ambulance-				
Overall Job Risk Category-	Medium						
<b>JSA Review during PJB:</b>							
<b>Pre Job Briefing (PJB) is applicable to all persons involved with the task.</b>							
<b>Pre Job Briefing (PJB) Acknowledgement: I undertake that the JSA is communicated to me effectively</b>							
Name	Agency's name			Signature			