

Format No: ER 5/10-F2		ITPS JOB SAFETY ANALYSIS (JSA)				
Serial No.	Department	Equipment	Location	Job description		
	Civil Maintaince, main palnt	NA	ITPS	<b>Cleaning of main plant buildings, auxiliary buildings &amp; equipments and Coal handling plant at ITPS.(OPGC-II) For 02 years</b>		
Analysis Done by (EIC/Supervisor/ competent person)	Signature	Reviewwd & approved by ( SIC)	Signature	Date of Issue	Date of revision	Revison No
HAZARD TEXT/TYPE						
<b>PHYSICAL HARZARDS</b>	<b>PHYSICAL HARZARDS</b>	<b>PHYSICAL HARZARDS</b>	<b>ELECTRICAL HAZARDS</b>	<b>CHEMICAL/GAS HARZARDS</b>	<b>EXCAVATION</b>	<b>OTHERS</b>
Noise	Fall from Height	Fore3ce (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
<b>PPEs to be used</b>	Safety Halment, shoes, safety Glass, Hangloves, Earplug & dustmask					
<b>Tools required</b>	Shovel, broom stick & cleaning arrangements					
<b>SEQUENCE OF BASIC STEPS</b>		<b>SAFETY,HEALTH&amp;ENVIROMENT</b>		<b>SAFE JOB STEPS AND CONTROL MEASURES</b>		
Sweeping the floor and cleaning the cub webs of rooms		Exposure to dust while cleaning		Use safety glass, dust mask & hand gloves		
Sweeping and cleaning of floor with wet moping		Fall (Slip/Trip)		Use caution board "wet floor" while water washing floors to warn others		
Cleaning activities/Sanitary worksin noise pollution areas		Exposure to dust & noise		Use dust mask & ear plug and take rest few times in noise provided area during cleaning		
Cleaning of toilets		Exposure to micro organisms/bacteria during cleaning or repair of toilets		Use hand gloves & wash the hand in detergent/soap after cleaning.		
Cleaning of equipments in boiler, TG and auxillaries		Fall (Slip/Trip) due to oily surface		Use hand gloves and clean the oily surface with cotton. Keep the signage at working place.		
		Exposure of dust & noise		Use dust mask & ear plug		
		Contact with hot surface or moving parts		Use all PPEs as mentioned above and barricade the area to avoid contact of body parts with any hot or moving equipments. Take PTW.		
		Fall of objects from height		Use all PPEs as mentioned above. Before execution of work under any structure or equipment, the supervisor should be look after the safety aspects.		
		Fall from height		Use full body harness		
		Exposure to hot air/water/steam/hot oil		The area should be barricaded, the work should be executed in presence of supervisor.		

Loading/unloading of Hydrogen cylinder		
Emergency safety measures for the job if any -		
Applicable Emergency Safety Measures		Emergency Tel Nos -fire- 777,222257, Ambulance- 248/27, Hospital- 660(Mcr/233/244/222222
Overall risk category-(High/Medium/Low):	Medium	