

	Format No: ER 5/10-F2		ITPS JOB SAFETY ANALYSIS (JSA)			
Serial No.	Department	Equipment	Location	Job description		
	Civil Maintainece, main palnt	NA	ITPS	Sheeting of Track Hopper OPGC-I		
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	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/Absorptio n	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 shoes, helmet, safety glass, hangloves, dust mask, earplug, full body harness, scaffolding materials & safety net etc					
Tools required	Drill machine, screw driver, nut, bolt & washer etc					
SEQUENCE OF BASIC STEPS		SAFETY,HEALTH&ENVIROMENT		SAFE JOB STEPS AND CONTROL MEASURES		
1) Dismantling of old sheets with respect to work at height		1) Fall (Slip/Trip)		1) Clean the site properly		
		2) Injury due to fall from height.		2) Scaffolding shall be erected to access on higher elevation which shall be certified before use, Use safety net during working on the roof of the conveyor, Full body harness must be used with anchoring to rigid surface.		
		3) Fall of objects from height		3) The area shall be barricaded during the work period.		
		4) Exposure to coal dust and asbestos dust		4) Make the asbestos wet during dismantling & use dust mask.		
				Use PPEs i.e. safety helmet, shoes, safety glass, dust mask, ear plug, hand gloves & full body harness		

SEQUENCE OF BASIC STEPS	SAFETY,HEALTH&ENVIROMENT	SAFE JOB STEPS AND CONTROL MEASURES
2) Collecting the debris (dismantled asbestos) & disposal of the same to the designated place	1) Fall (Slip/Trip)	1) House keeping must be maintained at the work site 2) Use full body harness 3) Work carefully. Use safety shoes, glass, dust mask, ear plug, hand gloves
	2) Exposure to coal dust and asbestos dust	2) Make the asbestos wet during dismantling & use dust mask.
3) Fixing of new colour coated trapezoidal sheets.	1) Hand injury/cutting of hand	1) Use proper PPEs & work carefully.
	2) Electrical shock by the drill machine.	2) Use certified cable, board with RCCB & machine before start the electric work.
	2) Injury due to fall from height.	2) Scaffolding shall be erected to access on higher elevation which shall be certified before use, Use safety net during working on the roof of the conveyor, Full body harness must be used with anchoring to rigid surface.
	3) Fall of objects from height	3) The area shall be barricaded during the work period.
4) Cement concrete works	1) Irritation on hand/leg	1) Use rubber hand gloves & gum boot during concreting.
	2) Exposure to cement dust.	2) use dustmask for cement works.
	3) Body/Hand injury	3) Work carefully along with all PPEs.
Emergency safety measures for the job if any - External wall painting at switchyard side.	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- 248/27, Hospital- 666(Mcr/233/244/222222
Overall risk category-(High/Medium/Low):	High	