

Format No: ER 5/10– F2, JOB SAFETY ANALYSIS (JSA), IB THERMAL POWER STATION, OPGC							
Serial No.	Department	Equipment	Location	Job description:			
	Facility management		ITPS colony	Dismantling of 04 Nos. of F type buildings (F/17-20, F/33-36, F/37-40 & F/437-440)			
JSA performed by:	Signature	Reviewed & Approved by	Signature	Date of Issue	Date of revision		Revision No-
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	Hammer, chisel, safety shoes, helmet, safety goggles, hand gloves.						
Important Note- While deciding hazard control measures, consider hierarchy of hazard control steps in order of preference.							
SEQUENCE OF BASIC STEPS	SAFETY, HEALTH & ENVIROMENT HAZARDS	SAFE JOB STEPS / HAZARD CONTROL MEASURES				Measures adequate to mitigate the	
		Elimination/ Substitution	Engineering	Administrative	PPE		
Barrication of entire area where dismantling work is to be done.	Fall of bject from height, struck by moving machine.		Proper care should be taken by utilising the experienced and skilled labour.	Only authorised person should be allowed on site.	safety shoes, hand gloves, dust mask, safety helmet,safety glasses.	yes	
Proper isolation of power supply and water supply of the building to be dismantled.	Shock/ Electrocutation		Proper care should be taken by utilising the experienced and skilled labour.		safety shoes, hand gloves, dust mask, safety helmet,safety glasses.	yes	
Dismantling of all door, windows and ventilator manully before dismantling of structure.	Fall of bject from height, dust exposure, struck by hammer.				safety shoes, hand gloves, dust mask, safety helmet,safety glasses.	yes	

SEQUENCE OF BASIC STEPS	SAFETY, HEALTH & ENVIROMENT HAZARDS	SAFE JOB STEPS / HAZARD CONTROL MEASURES				Measures adequate to mitigate the
		Elimination/ Substitution	Engineering	Administrative	PPE	
Providing hard barrication around the structure so that the falling debris should not damage the adjacent building.	Fall of bject from height, struck by moving machine.				safety shoes, hand gloves, dust mask, safety helmet,safety glasses.	yes
Dismantling of wall and RCC slab from upper side to lower side ussing proclain machine	wall may fall on the machine while dismantling. Only small portion of wall should be dismantled at a time to avoid any accident.		Proper care should be taken by utilising the experienced and skilled labour.	Checking of all documents of the proclain machine and the operator.	safety shoes, hand gloves, dust mask, safety helmet,safety glasses.	yes
Removing and disposing of debris away from the site using tractor.	Fall of bject from height, struck by moving machine.		Proper care should be taken by utilising the experienced and skilled labour.	Checking of all documents of the Tractor/ trolley machine and the driver	safety shoes, hand gloves, dust mask, safety helmet,safety glasses.	yes
Dressing and levelling of the entire area after disposing the debris by machine.	Dust exposure, struck by moving machine, shock/ electrocution by under ground power cabels.		Electrical conduit and sewage pipe line should be identified before starting of the work.		safety shoes, hand gloves, dust mask, safety helmet	yes
Final inspection and housekeeping	Dust exposure		Material should be removed with proper PPEs so that no ijury 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- 248/337,				
Overall Job Risk Category- (High/Medium/Low) :	Medium					
JSA Review during PJB:						
Pre Job Briefing (PJB) is applicable to all persons involved with the task.						
Pre Job Briefing (PJB) Acknowledgement: I undertake that the JSA is communicated to me effectively						
Name	Agency's name	Signature				