

Format No: ER 5/10- F2, JOB SAFETY ANALYSIS (JSA), IB THERMAL POWER STATION, OPGC							
Serial No.	Department	Equipment	Location	Job description: Landscaping & Grass turfing over the ground in front of sports complex at OPGC township at ITPS			
	Facility Management		ITPS Play ground				
JSA performed by:	Signature	Reviewed & Approved by	Signature	Date of Issue	Date of revision		Revision No-
P.B.Mohanta		Bichitra Padhy					
HAZARD TEXT/TYPE (For reference to identify the Hazard type)							
PHYSICAL HAZARDS	PHYSICAL HAZARDS	PHYSICAL HAZARDS	ELECTRICAL HAZARDS	CHEMICAL/ GAS	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 helmet, shoe, goggles, hand gloves						
Tools required	Spades, Gamelas, shovels etc.						
Important Note- 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 risk (Yes/No)	
		Elimination/ Substitution	Engineering	Administrative	PPE		
PTW	PTW		PTW to be issued before commencement of work	Technical supervisor having good knowledge to be deployed		yes	
Earth work	Earth work	na	Barricade the area where work is going on	1) Clean the work site properly.	Excavation permit	yes	
Spreading of cow dung, sludge and manure	Spreading of cow dung, sludge and manure	NA	Use correct tools for Spreading	NA	Use safety goggles, gumboot and dust mask and hand gloves always during working.	yes	
Laying of Lawn grass	Laying of Lawn grass	NA	Use correct tools for laying	NA	Use hand gloves.	yes	
Emergency Safety Measures (Rescue/Fire Brigade etc):		Emergency Contacts-Main Control Room- 222, 233,244, Fire- 777, 222257, Ambulance- 248/337, Hospital-666					
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					