

Format No: ER 5/10- F2. JOB SAFETY ANALYSIS (JSA), IB THERMAL POWER STATION, OPGC						
Serial No.	Department	Equipment	Location	Job description		
	MGR	Loco	Wagon bay	Trip & monthly schedule & HSD refillin of Loco		
Analysis Done by (EIC/Supervisor)	Signature	Reviewed & Approved by (SIC)	Signature	Date of Issue	Date of revision	Revision No
EIC		SIC				
HAZARD TEXT/TYPE						
PHYSICAL HAZARDS	PHYSICAL HAZARDS	PHYSICAL HAZARDS	ELECTRICAL HAZARDS	CHEMICAL/ GAS HAZARDS	EXCAVATION	OTHERS
Noise	Fall from height	Force (Push/Pull)	Shock/ Electrocuton	Flammable/ Explosive	Collapse/Sliding	Fire
Radiation	Fall (Slip/Trip)	Caught in/on or between	Static electricity	Fumes Inhalation	Underground live cable damage	Heavy Wind/Rain
Confined space	Fall down/below	Struck by/against	Arc/flash blast	Ingestion/Absorption	EGRONOMICS	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	Safetly helmet,safety goggles,safety shoes,Hand golves, dust mass.					
Tools required	Spanner of different size. Hammer, Screw driver.slide wrench;Crow bar,pipe wrench					
SEQUENCE OF BASIC STEPS		SAFETY, HEALTH & ENVIROMENT HAZARDS		SAFE JOB STEPS AND CONTROL MEASURES		
1)Loco skid to be removed. 2)Loco		1)Head injury,fingure injury, 2)Fatal Accident		Use helmet, safety glass, dust mask, hand gloves, All mobile switch are to be switched off. Effective		
Engine blow out for cleaning of Air filteer		During opening of filter body injries, Heavy dust causing inhailing		Use helmet, safety glass, dust mask, hand gloves,		
Checking of loco equipment(engine)		Hitting of tools on body part		Use certified tools & tackles and PPEs must be used in given task.		
Checking & lubricating of Under gear of loco		Spillage of Oil & fire		Spill kit & fire extinguisher to be kept at site.		
1)Checking of electrical equipment(ERR)		1)Electrical shock,dust exposure,noise		1)Electrical hand gloves,dust mask & ear plug are to be used 2)Use		
Painting of Loco superstructure		1)During painting small of colour may harm in breathing.		Use helmet, safety glass, dust mask, hand gloves, Falls protection during paintingwork.		
Emergency Safety Measures:- Emergency Contacts-Main Control Room-222,233,244, Fire,777,222257,Ambulance-248/277,Hospital-666						
Pre Job Briefing(PJB) is applicable to all persons involved with the task,PJB shall be performed before the work begins						
Overall job Risk Category-High/Medium):-						
JSA Review during PJB:-						
Pre job Briefing(PJB) Acknowledgement: I undertake that the JSA is communicated to me effectively						
Name	Signature	Name	Signature			