



ODISHA POWEGENERATION CORPORATION LIMITED
Ib Thermal Power Station, Banaharpali

Appendix-1, Job Safety Analysis (JSA) Format:

Format No: ER 5/10– F2, JOB SAFETY ANALYSIS (JSA), IB THERMAL POWER STATION, OPGC							
Sl. No.	Department	Equipment	Location	Engagement of manpower for chharlla loading yard coal cleaning and other miscellenous job of MGR system			
	MGR	X	Y				
JSA Performed by-		Reviewed & Approved by-			Issue Date-		
HAZARD TEXT/TYPE							
PHYSICAL HAZARDS			ELECTRICAL HAZARDS	CHEMICAL/ GAS HAZARDS	EXCAVATION	OTHERS	
Noise	Fall from height	Force (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 damage	Heavy Wind/Rain	
Confined space	Fall down/below	Struck by/against	Arc/fl ash blast	Ingestion/Absorption	ERGONOMICS	Dust exposure	
Pressure	Fall of Objects from height	Extreme weather (Hot/Cold)	BIOLOGICAL HAZARDS	Body/Eye Contact	Poor Posture	Oil spill	

d St ea m/ Air								
Co nt act wi th Ho t sur face	Contact with moving parts	Poor illumination	Snake /Insect bite/ Virus infection	Spillage		Repetitive motion	Human factor	
PPEs to be used	Hard hat, Safety glass, suitable hand gloves, Safety Shoe, Steel toe gum boot, , red & green reflective vest							
Tools required								
SEQUENCE OF BASIC STEPS	SAFETY, HEALTH & ENVIROMENTAL HAZARDS	CONTROL MEASURES						
Emergency Safety Measures:-								
EmergencyContacts-MainControlRoom- 222, 233,244, Fire- 777, 222257, Ambulance- 248/277, Hospital-666								
Overall Job Risk Category- (High/Medium):-								
Pre Job Briefing (PJB) is applicable to all persons involved with the task. PJB shall be performed before the work begins								
JSA Review during PJB:-								
Pre Job Briefing (PJB) Acknowledgement: I undertake that the JSA is communicated to me effectively								

Name	Signature	Name	Signature

BLANK PRICE BID

Name of the work: Engagement of manpower for chharlla coal loading yard maintenance and other miscellenous job of MGR system.

Engagement of manpower for chharlla loading yard coal cleaning work and other miscellenous job of MGR system							
SI no	Description of work	UOM	Unit Rate(Rs)	Qty or manpower per day	Qty per month	Qty per year	Amount(Rs) per year
1	Engagement of unskilled manpower for coal cleaning work	No		10	300	3600	
2	Engagement of Semiskilled manpower / gangman for coal cleaning work	No		1	30	360	
	Total Value excluding GST						

In words: Rupees _____

NOTE: GST SHALL BE EXTRA AT ACTUAL, APPLICABLE % ALONG WITH SAC COTE TO BE INDICATED IN YOUR OFFER

Note:

- Bidder has to use the above Price Bid Format failing which Bid will be rejected.

Appendix D – Project Safety Plan/daily Job safety Plan

Date:		Name of the Work:			
Contractor's Supervisor:		Crew Members:			
No.	Task / Job Step	Conditions	Major Hazards	Barriers	B.E.
1					
2					
3					
4					
5					

Barrier Effectiveness (B.E)

Control Barriers	Safety Barriers	Support Barriers	Human Barrier
1. Eliminate the Hazard 2. Reduce Energy to Safe Level 3. Physical Barrier	4. Protective Equipment 5. Warning Device 6. Minimize Chances of Error	7. Work Procedure 8. Training 9. Observer	10. Identify the Hazard Only (Be Careful)

JOB/PROJECT HAZARD ASSESSMENT

SI No	Reference Hazard	Describe the Specific Hazard	OPGC's action to control the hazard	Contractor's action to control the hazard	Remark
1	Electric Arc Flash				
2	Vehicles movement				
3	Deep Water Drowning				
4	Work at height (Scaffolding, Platform, Gratings, Guard Rail)				
5	Hazardous Substance/Chemical				
6	Electric Voltage >50 Volt (Contact, back feed, induction, static charge)				
7	Stored Enery (Pneumatic, hydraulic, high pressure water, gas pipelines, gas cylinder)				
8	Hoisting, Rigging & Material Handling				
9	Hot work				
10	Confined Space				
11	Tree trimming/Felling				
12	Mobile Equipment				
13	Combustible/Flammable Dust/Vapour				
14	Rotating equipment/machine				
15	Falling of object				
16	Any other				
Risk Category: High/Low			Signature EIC/ TI: Signature Dept Head:		