

**WSP CRANES & SERVICES**

**Hazard Identification and Risk Assessment**

Procedure: ECHS  
 Format: EHS  
 Format Revision No. 01  
 Format Revision Date: \_\_\_\_\_

Factory / Department : -  
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 Reviewed & Approved By: \_\_\_\_\_

Abbreviations:- R-Routine NR-Non routine P-Probability S-Severity RR-Risk Rating

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_

Process / Area	Operation / Activity Description	Situation & Activity R/NR (NR-Including Emergency)	Hazards & Risk identified (Describe nature of hazard, indicate part of body affected / Impact)	Risk Assessment			Evaluation (Acceptable/ Moderate/ Unacceptable)	Legal & other requirement Concern (LC): Y/N	Proposed risk control measures	Date of		
				Severity	Probability	Risk Rating						
<b>First Day Activities</b> <b>Material Unloading</b> Like- Electrical Cables, Panel, Leg Platforms, crane all nut bolts loose		NR	Leg / Head injury due to Fall of material	Elimination	-				Elimination			
				Substitution	-				Substitution			
				Engg.Controls	Farana Crane for Material Unloading	3	3	9	Moderate	N	Engg.Controls	
				Admn.Controls	Skilled Operator only work & supervision.						Admn.Controls	
				PPE	Use Safety Shoes, Safety Harness, Gloves & Safety Helmet						PPE	
				Elimination	Clear Located area						Elimination	
				Substitution	Material store						Substitution	
				Engg.Controls	Farana & Hydra Cranes	1	1	1	Acceptable	N	Engg.Controls	
				Admn.Controls	Skilled Operator only work & supervision.						Admn.Controls	
				PPE	to wear required PPE'S like hand gloves,, safety helmet & safety shoes.						PPE	
<b>Second Day</b> <b>Activities Material Unloading</b> Like- Girder, Both Side Leg, Wirerope Hoist		NR	Leg / Head injury due to Fall of material	Elimination	-				Elimination			
				Substitution	-				Substitution			
				Engg.Controls	Farana Crane for Material Unloading	3	3	9	Moderate	N	Engg.Controls	
				Admn.Controls	Skilled Operator only work & supervision.						Admn.Controls	
				PPE	Use Safety Shoes, Safety Harness, Gloves & Safety Helmet						PPE	
				Elimination	Clear Located area						Elimination	
				Substitution	Material store						Substitution	
				Engg.Controls	Farana & Hydra Cranes	1	1	1	Acceptable	N	Engg.Controls	
				Admn.Controls	Skilled Operator only work & supervision.						Admn.Controls	
				PPE	to wear required PPE'S like hand gloves,, safety helmet & safety shoes.						PPE	
<b>Second Day Activities</b> <b>Material shifting to located area</b> Electriac Cables, Panel, Platforms		NR	1. Body parts getting crushed into the material' 2. 'chance of material fall on body--	Elimination	In Located Area				Elimination			
				Substitution	In Located Area				Substitution			
				Engg.Controls	Proper Coverd	1	1	1	acceptable	N	Engg.Controls	
				Admn.Controls	Area Bari cation ,						Admn.Controls	
				PPE	Safety Helmnate, Safety Shoes.						PPE	
				Elimination	In Located Area						Elimination	
				Substitution	In Located Area						Substitution	
				Engg.Controls	Farana & Hydra Cranes & barricade the on going work.	3	3	9	Moderate	N	Engg.Controls	
				Admn.Controls	Continuous supervision while working & proper coordination						Admn.Controls	
				PPE	to wear required PPE'S like hand gloves, safety helmet & safety shoes.						PPE	
<b>Electrical Material Covered in Open area</b>		NR	Dust & Rain Water	Elimination	In Located Area				Elimination			
				Substitution	In Located Area				Substitution			
				Engg.Controls	Proper Coverd	1	1	1	acceptable	N	Engg.Controls	
				Admn.Controls	Area Bari cation ,						Admn.Controls	
				PPE	Safety Helmnate, Safety Shoes.						PPE	
				Elimination	In Located Area						Elimination	
				Substitution	In Located Area						Substitution	
				Engg.Controls	Farana & Hydra Cranes & barricade the on going work.	3	3	9	Moderate	N	Engg.Controls	
				Admn.Controls	Continuous supervision while working & proper coordination						Admn.Controls	
				PPE	to wear required PPE'S like hand gloves, safety helmet & safety shoes.						PPE	
<b>Crane Re-erection</b>		NR	Slip trip fall hazards, Leg / Head injury due to fall of material	Elimination	In Located Area				Elimination			
				Substitution	In Located Area				Substitution			
				Engg.Controls	Proper Coverd	1	1	1	acceptable	N	Engg.Controls	
				Admn.Controls	Area Bari cation ,						Admn.Controls	
				PPE	Safety Helmnate, Safety Shoes.						PPE	
				Elimination	In Located Area						Elimination	
				Substitution	In Located Area						Substitution	
				Engg.Controls	Farana & Hydra Cranes & barricade the on going work.	3	3	9	Moderate	N	Engg.Controls	
				Admn.Controls	Continuous supervision while working & proper coordination						Admn.Controls	
				PPE	to wear required PPE'S like hand gloves, safety helmet & safety shoes.						PPE	





