

Hazard Identification , risk assessment & control measures (HIRA)

Name of Department :- PROJECTS

Area of Work :-

Doc.No.: IMS / HIRA / PRJ /16~17

Rev.No. : 00

Date: 31.08.2016

Sl. No	Activity	Hazards	Consequence (Risk Severity)	Overriding factor LC (Yes /No)	BASE RISK				Existing Control Measures	RESIDUAL RISK				Additional control measures
					Probability (P)	Severity (S)	Risk Level (P x S)	Risk Level A / UA		Probability (P)	Severity (S)	Risk Level (P x S)	Risk Level A / UA	
1	Stacking of bricks	Collapse of stack	Minor Injury	No	5	4	20	UA	1. All the materials shall be stacked at designated place. 2. Height of stacked materials shall be maintained as per safety norms & users convenience. 3. Stacking shall be done as per the shape,size & weight of the materials	2	4	8	A	
2	Shifting of bricks from unloading place to work place	Fall of person/Fall of materials	Minor Injury / fatality	No	3	5	15	UA	1. Path should be free from any others obstruction. 2. Surface should be even. 3. Housekeeping to be maintained	1	5	5	A	
3	Making of scaffolding staging	Slip from scaffolding	Minor Injury / fatality	No	3	5	15	UA	1. Steel scaffolding to be provided with safe platform & hand rail. 2. Competent supervisor to certify before work. 3. Fullbody harness with anchorage point to be provided. 4. Only skilled workmen to be engaged.	1	5	5	A	
4	Brick & Plastering on wall	Slip of materials/Tools	Major Injury	No	3	4	12	UA	1. A drop zone to be established. 2. Use of rubber hand gloves for avoiding of skin hazards. 3. To provide Toe guard for preventing from materials 4. Loose materials shall not be allowed to remain on the gangways	1	4	4	A	
5	Mixing of cement mortar	Exposure of cement dust	Lung problem during long run	No	5	4	20	UA	1. Use of nose mask and gumboot while working.	2	4	8	A	
			Skin irritation	No	5	2	10	UA	1. Use of rubber hand gloves for avoiding of skin hazards.	3	2	6	A	

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6	Working at height	Fall of man/material	Major Injury / Fatality	No	3	5	15	UA	1. To brief of tool box talk on daily basis before starting the job. 2. Access to be provided for ascending and descending through the ladder (min. gap 500mm with the staggering), platform at every 2.1m of staging ,toeguard, full body safety harness are to be anchored in two separate anchoring points. , In case of bad weather i.e rain work must be stopped	1	5	5	A	