

Ref: RCL-HSE-FM-07.3

Version: 1.2

Rev. Date: June 28, 2021

INCIDENT INVESTIGATION REPORT



Name of Employee	CHUDAMANI GHARTI			Badge No.	44065671			Actual Severity:	3			
Safety Awareness Training Date	16 August,2020			Proof of Training	Marafiq Induction			Worst Potential Severity:	3			
Name of Line Manager	Ahmed Atif			Badge No.	38483			Profession/ Designation	Project Manager			
Name of Supervisor	Eslam Salah			Badge No.	39628							
Division / Department	Construction Division (CIVIL)			Project Name	Marafiq Canal 01			Project Location	Jubail			
Place of the Incident/Injury	Head Work Area			Date of Incident	9/9/2021			Time of Incident	10:30 AM			
Nature of the Incident/Injury	Occupational Incident/Injury	Yes	X	No	Near Miss			Other, Please specify : MTC				
	Road Traffic Incident/ Injury	Yes		No		Yes		No				
Brief Description of the Incident/Injury	<p>Around 10:30 AM During Erection of scaffolding under the column at head work area. Suddenly Loose concrete debris piece fall down from column about 3 meter height and hit on IP Helmet. Helmet fell down from his head and as a result IP got injured in his Occipital area of the Head (superficial Cut) and Parietal area of the Head (Abrasion). Immediately shifted to site clinic for First Aid. There Site Nurse given him first aid and referred to Hospital for further treatment .In Hospital (Almana General Hospital) Doctor given him six stitches for his superficial cut Occipital area of the head and cleaned the wound on the Parietal area of the Head. And Doctor given him medications and 2 days sick leave.</p>											
Details of the Injury (Specify affected body parts)	<p>Occipital Area of the Head for Cut Wound Parietal Area of the Head for Abrasion</p>											
First Aid Given?	Yes	X	No		Name of First Aider	Archimedes						
Name of Hospital where patient was treated/transferred	Al Mana General Hospital					Address/Location of the hospital	Al Jubail					
Medical leave given by administering Hospital/Clinic or Doctor	Yes	X	No		Number of Days	2		Hospitalization	Yes		No	X
Property damage	Yes		No	X	Estimated percentage of damage	N/A		Estimated Cost of damaged (SAR)	N/A			
Property Details	Type / Function of the property			N/A			Location of affected property		N/A			
	Name of Manufacturer			N/A								
	Model of the Property			N/A			Plate Number		N/A			

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	Vehicle Registration Number	N/A	Company Fleet Number	N/A
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Was Pre- Task / Toolbox meeting conducted	Yes	X	No	Was the person using required Personal Protective Equipment (PPE)	Yes	X	No
Specify the Personal Protective Equipment (PPE)		Safety Shoes, Safety Helmet, Safety Glasses, Safety Gloves, Safety Harness					
What was the injured person/employee doing at the time of the incident?				Erecting Scaffolding under the column on Head Work Area.			
What was the machine/equipment doing at the time of the incident?				N/A			
What was the material/s / substance/s doing at the time of the incident				N/A			
Immediate Cause/s of the Incident/injury: ❖ Loose concrete Debris fell down from column top edge on IP head in Head Work Area.							
Root Cause/s of the Incident/injury:		People: Team Foreman, IP and Involved Crews not assessed the work area for any Risky loose concrete debris.					
		Process / Procedure: Loose concrete debris of the column not removed prior to start erecting scaffolding platform. Also there were no barricades placed downside to warn the people.					
		Equipment: N/A					
		Workplace: Heavy equipment's (JCB) and Jackhammer were using at approx. distance of 15 meter for Chipping work. Due to this equipment and jackhammers vibration, Loose concrete debris from column top edge fell down.					
Corrective Action to prevent reoccurrence:		Elimination: Heavy equipment's and Jackhammers should be use at maximum distance from those columns, which have loose concrete debris about to falling in order to reduce the vibration to maximum level in this area.					
		Substitution: N/A					
		Engineering Control: <ul style="list-style-type: none"> ➤ Columns work area must be assessed for any loose concrete prior to start any work under column. ➤ If a dangerous or unstable column is to be left standing, it must be adequately braced. ➤ Parallel works should not be executed at same time. ➤ Ensure Chipping of Columns start from upside to downside. ➤ Column work should be executed as per approved MS& RA. ➤ Scrapping of loose concrete on columns must be done prior to start any job there. ➤ Use of 'isolation' or 'no go' zones where there is a risk of an object falling into an area. 					
		Administrative Control: <ul style="list-style-type: none"> ➤ Team Leader should identify all the hazards and risk in the workplace prior to start of any job. And Communicate about risky areas to his team prior to start of work. ➤ Involved crews should know the hazards and risk in the working area. ➤ Close supervision and monitoring must be ensured. ➤ Workers shall report any unsafe condition in working area to his immediate supervisor and site Safety officer. ➤ Proper Barricades must be maintained with columns having loose concrete debris. ➤ Warning signs must be placed for clear identification of any unsafe condition. 					

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		PPE: <ul style="list-style-type: none"> ➤ Mandatory PPE'S should be used at site all time. ➤ Chin Strips with Safety Helmets must be used all time. 							
Were there any witnesses?	Yes	X	None		Type of witness/s	Employee	X	Public	
Witness Details Chame Roka					Badge Number	65621	Mobile Number	-	
Witness Statement: As per Mr.Chame Roka ,Foreman assigned them to erect scaffolding with column in Head work area.Mr.Chame told that we did not assessed the area for any risky loose concrete debris on column and started erection of scaffolds there. Suddenly concrete debris fell down on Mr.Chudamani head and got injured.									

Initial Investigation Conducted by:  MUHAMMAD AMJAD	Noted by:  AHMED ATIF	Date 9/9/2021
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Additional Details:

Recommendations:

- If a column is to be demolished in whole or in part, the structure and any adjoining structures, the integrity of which could be compromised by the demolition, must be supported to the extent and in a manner prescribed by a professional Structural engineer.
- While salvage is taking place before or during the demolition process, the integrity of the structure must be maintained.
- If a dangerous or unstable column is to be left standing, it must be adequately braced.
- During the dismantling or renovation of a column or structure, materials of a size or weight which may endanger workers must not be loosened or allowed to fall, unless procedures are used that will adequately protect workers.
- If material is to be dropped or thrown from upper floors, the area into which the material will fall must be barricaded to prevent workers from entering the area and conspicuous warning signs must be displayed to advice of the danger.
- If falling material could endanger a worker, the danger area must be guarded to prevent entry by workers or protected by adequate canopies.

Investigation Report Verified by:  MUHAMMAD AMJAD	Noted by:  AHMED ATIF	Date 9/9/2021
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