

INCIDENT INVESTIGATION REPORT



| | | | | | | | | | | | |
|--|---|-----|----|-------------------|--------------------------------|----------------------------------|-------------------------------|---------------------------------|-------------------------|-------|----|
| Name of Employee | Bilal Hussain | | | Badge No. | 32429 | | | Actual Severity: | 2 | | |
| Safety Awareness Training Date | 27, September, 2020 | | | Proof of Training | Marafiq Induction | | | Worst Potential Severity: | 4 | | |
| Name of Line Manager | Eslam Salah | | | Badge No. | 39628 | | | Profession/ Designation | Construction Manager | | |
| Name of Supervisor | Blesson Pappey Babu | | | Badge No. | 39149 | | | | | | |
| Division / Department | Construction Division | | | Project Name | Marafiq Canal 01 | | | Project Location | Jubail | | |
| Place of the Incident/Injury | Canal 01 | | | Date of Incident | 12/24/2020 | | | Time of Incident | 10:00 AM | | |
| Nature of the Incident/Injury | Occupational Incident/Injury | Yes | | No | | Near Miss | | | Other, Please specify : | | |
| | Road Traffic Incident/ Injury | Yes | | No | | Yes | X | No | | | |
| Brief Description of the Incident/Injury | Mr. Bilal was lifting shotcrete by using forklift without Rigger and using damaged slings. Also was not using softeners for sharp forks of the forklift during lifting of shoot Crete. And also no tag line was there for controlling the load swinging. Site safety officer tried to stop the lifting but operator ignored and continues lifting. Suddenly the hydraulic handle came out from its place but luckily No Injury and property damage reported. Operator controlled the lifting direction. | | | | | | | | | | |
| Details of the Injury (Specify affected body parts) | N/A | | | | | | | | | | |
| First Aid Given? | Yes | | No | X | Name of First Aider | | | N/A | | | |
| Name of Hospital where patient was treated/transfered | N/A | | | | | Address/Location of the hospital | | | N/A | | |
| Medical leave given by administering Hospital/Clinic or Doctor | Yes | | No | | Number of Days | N/A | | Hospitalization | Yes | N / A | No |
| Property damage | Yes | | No | | 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 | |

INCIDENT INVESTIGATION REPORT



| | | | | |
|--|-----------------------------|-----|----------------------|-----|
| | Vehicle Registration Number | N/A | Company Fleet Number | N/A |
|--|-----------------------------|-----|----------------------|-----|

| | | | | | | | | | |
|--|-----|---|----|---|---|-----|---|----|--|
| 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, | | | | | |
| What was the injured person/employee doing at the time of the incident? | | | | N/A | | | | | |
| What was the machine/equipment doing at the time of the incident? | | | | Forklift was lifting shoot crete. | | | | | |
| What was the material/s / substance/s doing at the time of the incident | | | | N/A | | | | | |
| Immediate Cause/s of the Incident/injury: This near miss occurred due to Lack of task skill, using defective tools and poor work behavior. | | | | | | | | | |
| Root Cause/s of the Incident/injury: | | People: Forklift operator was not competent to operate the equipment. | | | | | | | |
| | | Process / Procedure: Appropriate lifting procedure was not followed. | | | | | | | |
| | | Equipment: Equipment's hydraulic system was not okay for the task. | | | | | | | |
| | | Workplace: Workplace was okay. | | | | | | | |
| Corrective Action to prevent reoccurrence: | | Elimination: N/A | | | | | | | |
| | | Substitution: Use Mobile crane with suitable capacity for shoot crete lifting. | | | | | | | |
| | | Engineering Control: <ul style="list-style-type: none"> ➤ Lifting equipment must be 3rd party certified and valid inspection certificate. ➤ All lifting tackles must be third party certified and color coded with valid certificate available ➤ Correct lifting angle must be used for lifting 60 degree is the best lifting angle. ➤ Tag line must be used to control the load and avoid hitting any plant facility like pipelines, equipment. ➤ ASLI (automatic Safe Load Indicator) must be operative and operator must not lift any load out of the load chart limit. | | | | | | | |
| | | Administrative Control: Assign Competent operator to operate the lifting equipment. Visual Inspection of Equipment and Lifting tackles must be done by competent Inspector. Only Trained crews should be allowed for lifting task. Refresher Training to be conducted with Forklift operator. Competent rigger must be available for lifting activity at site. Close supervision and monitoring must be ensured. Safety Monitoring must be ensured for lifting activities at site. | | | | | | | |

INCIDENT INVESTIGATION REPORT





| | | | | | | | | | |
|---|-----|--|------|---|-------------------|--------------|-----|---------------|-----|
| PPE: Mandatory PPE'S should be used at site all time. | | | | | | | | | |
| Were there any witnesses? | Yes | | None | X | Type of witness/s | Employee | | Public | |
| Witness Details N/A | | | | | | Badge Number | N/A | Mobile Number | N/A |
| Witness Statement: N/A | | | | | | | | | |

| | | | |
|--|---|------|------------|
| Initial Investigation Conducted by:  MUHAMMAD AMJAD | Noted by:  AHMED ATIF | Date | 12/24/2020 |
|--|---|------|------------|

Additional Details:

Recommendations:

- Follow all Marafiq Lifting safety protocols.
- Soil or ground condition shall be checked and should be leveled.
- Spread mate shall be used size 1:3.
- Outtrigger shall be fully extended and at least 1 meter away from manholes and trenches.
- Do not overload, always lift up to SWL (safe working load).
- Barricade the swinging radius of Forklift and don't allow unauthorized persons except for trained and certified rigger.
- Only rigger can give signal to the Forklift operator for safe lifting.
- Minimum two tag lines shall be used to control the swinging of load.
- Man entry is not allowable under the suspended load even if he is a rigger.
- Flag Man must be available all time with heavy equipment's to control the equipment movement.
- Ensure Competency of heavy equipment's operators.
- Ensure all safety alarms of heavy equipment are in function all time.
- Close supervision and Monitoring must be ensured all time during lifting activity.
- Clear and understandable communication must be maintained between operator and rigger for giving clear signaling.

| | | | |
|--|---|------|------------|
| Investigation Report Verified by:  MUHAMMAD AMJAD | Noted by:  AHMED ATIF | Date | 12/24/2020 |
|--|---|------|------------|