Everyone of us deserve the right to return back home SAFE to see our love ones in a good healthy body irregardless which workplace we are from.

Learning Points:

1) Failure to conduct a workplace Risk Assessment of the lifting operation and ground condition.
2) “Compromising Risk” and complacent to daily routine (which may not be the safe practice) attitude is the key to a FATAL accident;
3) Lifting zone must cordon off with proper signage to keep out unauthorize personnel for their own safety.
4) Lifting team to be always alert of the lifting operation and DO NOT stand in the line of FIRE.
5) Lorry Operator to anticipate the ground fiction and movement of the formwork to alert/advise others lifting team members not to get close to the lifted load.

Safe Use of Lorry Cranes : Planning of Lifting Operation

Lifting Plan

Reg 4(1) of the WSH (OOC) Regulation states where any lifting operation involving the use of any crane is carried out in a workplace by a crane operator, it shall be the duty of the responsible person to establish and implement a lifting plan which shall be in accordance with the generally accepted principles of safe and sound practice.

Risk Assessment and Safe Work Procedure

Risk Assessments shall be conducted to address the safety and health risks posed to any person who may be affected by the activities in the workplace. In particular, employers have a duty to provide an effective management and control system for the use and operation of lorry cranes, including the need to develop and implement a safe work procedure (SWP) for the works.

- Risk due to Traffic Movement
- Risk involve in Operation of Lorry crane
- Risk due to work at heights
- Risk due to contact with Obstruction

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Safe Use of Lorry Cranes: Roles & Responsibility of Personnel

Crane operator
- Operator has to be Trained and Competent.
- Mandatory Lorry Crane Operation Course & Specific Training on the brand and model lorry loader
- to ensure that any outrigger when it is required is fully extended and secured
- before the start of every workshift, to carry out operational tests on all limiting and indicating devices under no load conditions before any lifting operation is carried out and shall enter the results of such tests in a log book or log-sheet;

Lifting supervisor
- to brief all crane operators, riggers and signalmen on the lifting plan
- if any unsatisfactory or unsafe conditions are reported to him by any crane operator or rigger, take such measures to rectify the unsatisfactory or unsafe condition or otherwise ensure that any lifting operation is carried out safely.

Rigger and Signalman
- Needed for any lifting operation involving the use of mobile and tower cranes

Safe Use of Lorry Cranes: Operation

Outrigger and Stabilizer Set Up
- Full Extension of Outriggers on both sides
- Load Chart and Capacity Indicators only works with full extension of outriggers & deployment of stabilizer

No raising of vehicle tires (Front and/or Rear)
- Vehicle suspension must take some weight

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Safe Use of Lorry Cranes: Operation

Levelling of Crane
– Ensure stable ground of not more than 5 degree inclination

Lorry Crane utilities Outriggers and Stabilizers for support.

Ground Condition should be firm and Level.

Ensure there are no hollow spaces such as manhole covers

Barricade Work Area
– Cordoned off Lifting Area
– Proper Diversion of Traffic

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