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A Case to Save

>> Worker hit by pre-cast concrete section

While lowering a pre-cast concrete section onto a low bed trailer using an overhead gantry crane, the concrete section suddenly shifted sideways, hitting the worker on his head and killing him on the spot.

The Ministry of Manpower (MOM) urges all parties to take greater ownership to prevent workplace accidents



Advisory Note

(Please note that the advisory note is provided for the benefits of enhancing workplace safety and health. In no way is the information to be misconstrued as implying liability on any party)

1. Employers and contractors are required to reduce or eliminate workplace risks under the Workplace Safety and Health (Risk Management) Regulations. Risk assessment (RA) must be conducted and safe work procedures must be communicated and implemented to ensure the safety and health of workers. RA guidelines and other relevant references are available at the [MOM Website](#) and [WSHAC Website](#).
2. Risk Assessment and Management should cover all work activities at the yards where pre-cast components are made. These include pre-stressed beam/columns production, casting and finishing processes, rebar yards and storage yards, handling and transportation as well as the maintenance of pre-cast concrete equipment and facilities like cranes and batching plants.
3. All lifting equipment and lifting gears must be inspected and certified safe to be used by a [MOM authorised examiner](#) for lifting equipment. Pre-operation checks should be conducted to ensure that the crane is functioning properly and safely before the lifting operation commences.
4. It is of vital importance to ensure that materials to be lifted are securely rigged. Under the Factories (Operation of Cranes) Regulations, riggers and signalmen engaged in lifting operations involving cranes must attend and pass the courses prescribed by the Commissioner for Workplace Safety and Health.
5. Occupiers shall also appoint a lifting supervisor who has successfully completed a training course approved by the Commissioner for Workplace Safety and Health to supervise any lifting operation involving the use of any crane.
6. All lifting operations should be properly planned by a competent person before the actual execution and not left solely to the ground crew such as the crane operator or rigger.
7. Proper and effective communication must be maintained between the operators and signalman/riggers. Do not allow anyone to stand beneath any suspended load or within the danger zone during a lifting operation.
8. Some form of warning such as siren or whistle should be used to warn persons around the area during lifting operation.
9. Check out the following developed by the Workplace Safety and Health Advisory Committee (WSHAC) for the Concrete Pre-Cast Industry.
 - [Compliance Assistance Checklist](#)
 - [Self-Assessment Toolkit](#)
 - [Technical Advisory for the Concrete Pre-cast Industry](#)

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safety & health involves everyone @ work

