



SAFETY ALERT



JKKP/DOSH

FAILURE OF LUFFING TOWER CRANE



A accident involving a luffing tower crane had occurred in a construction site. In the accident, the structure of the boom fall and broke. The boom hit four workers. The four workers were installing the formwork at the first floor. During the accident, no load were carried by the crane. It occurred at about 10.40 am, where one worker was death and three workers were injured.

To avoid the accident occur, a few safety measures are proposed :

- a. Periodically inspection must be done at the mast and boom structure of the crane by the contractor / competent person.
- b. The contractor / competent person shall conduct HIRARC to identify the potential hazard that exists for each activity using tower crane in the construction site.
- c. The contractor / competent person shall ensure that safety devices of the crane are in good condition.
- d. The crane operator shall follow the procedures written in manual and working procedures.

Further Information :

- i. Guidelines For Hazard Identification, Risk Assessment and Risk Control. (HIRARC 2008).
- ii. Guidelines For Public Safety And Health At Construction Sites (1st Revision:2007).
- iii. Manual Kren Model JTL 140-10-020