



MINISTRY OF  
MANPOWER

All Authorized Examiners (LE) and interested parties

## **FOUNDATION ANCHORS FOR TOWER CRANES**

The common type of base for tower cranes is the cast-in base, using foundation anchors which are cast into a concrete foundation block. The installation of the tower crane's base using foundation anchors must be carried out in accordance with the manufacturer's specifications and tolerance of accuracy to ensure that the erected crane is within safe operational limits.

2 These foundation anchors are usually designed and manufactured to be expendable (i.e. used only once) as they are cast permanently in concrete. Hence, if you are carrying out a pre-installation check on a tower crane, you must check and inspect the foundation anchors to ensure that expendable foundation anchors are not being reused. The Ministry does not allow the re-use of such expendable foundation anchors.

3 You are reminded to comply with the Ministry's "Guidelines for the Notification for use of tower crane in workplace" which is available at this website: [http://www.mom.gov.sg/maintaining\\_safe\\_and\\_healthy\\_workplace/eservices\\_forms.html](http://www.mom.gov.sg/maintaining_safe_and_healthy_workplace/eservices_forms.html)

Yours faithfully

**YOONG CHI MENG**  
for Commissioner for Workplace Safety and Health

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