

DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA

TITLE

(TESTING AND COMMISSIONING PROCEDURE ON INSTALLATION OF

SINGLE TOWER CRANE)

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PRACTICAL TRAINING REPORT

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DECLARATION:

I hereby admit that this report is the result of my own efforts, except for the certain parts that are attached from sources that specified in reference chapter.

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Date: 14 March 2014

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ABSTRACT

Generally, this practical training report clarifies the information about all of the works, processes and procedure on the testing, commissioning and statutory of installation of single tower crane on the 16th floor commercial building. This practical training report is prepared based on the study, observation, explanation, interviewing and experience gained throughout in a period of 4 months of practical training on a construction site of a 16th floor commercial building. This practical training report is started with explanation and clarification of company background, management team involved, and background of project. The procedure of testing and commissioning of installation of single tower crane on obstacle areas site it isn't easy as it thought. Based on researches I have made the procedure of testing and commissioning of installation of these single tower crane need to be done stage-by-stage with surveillance and should be recorded and need to be done by skilled workers and these procedure involves few parties, especially consultant and JKKP to obtain an approval from both parties before commencement of works. Also, in this practical training report, the scope of T&C works, T&I during construction, functional performance test and the C&S inspection procedures will be explained thoroughly in this report. Then in these report it also contain the documentations use in procedure of T&C works and T&C requirements and regulations specification must be followed by contractor of installation tower crane. Furthermore, the problem faced involving the procedure of T&C works and installation of single tower crane is also explained with suitable steps of solutions. As the conclusion, this practical training report will describe in detail about procedure of T&C works on installation of single tower crane on 16th floor of commercial building to all readers.

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