

Training Outline



OSHE Management System Training Series

Basic Rigging Slinging Training

Training program overview

This is a 2-days program specially designed for a participant who is working at activities where slinging & ringing is required in the crane operation. The program is aimed at helping participants understand the hazard and risk while working in lifting operation surrounding. This would also meet the requirement by Special Order by DOSH pertaining Safe Lifting Operation No 2 2020.

Workers who are industrially involved with hoisting and rigging activities should be undergoing proper training as it can be extremely dangerous if not handle properly. Having a competent and qualified rigger ensures the safety and capable to accomplish the job efficiently.

Having knowledge such as weigh of load and rigging slings hardware, the capacity, the maximum load of hoisting rope, and various equipment's. Having awareness of other elements that could affect the hoist, capacity, rigging, lifting and landing loads are part of the safety practices.

All these practices – slinging and rigging safety, rigging methods for slinging are part of the basic training knowledge.

Training Objectives

Successful completion of the program will enhance the skills of participants and enable them to;

1. Familiar with applicable legal and requirements for Lifting Operations.
2. Gain knowledge on Risk Assessment process and the Risk Control from Rigger point of view.
3. Understand the legal requirement of imposed by Department of Occupational Safety and Health (DOSH) Malaysia on Chief Inspector special Order on Crane Lifting Operation No 2 2020.
4. In hand with actual lifting accessories and method on performing safe rigging and slinging practice.
5. Able to estimate load weight based on material, dimension and characteristic of lifted load and identify center of gravity of the load

Training & Assessment Methodology

This training, theory and workshop is aimed to be practical, participative, and interactive. Real life examples, case studies and “HANDS ON” tips will be given to participants during the training. There will also be small group activities to foster better understanding of concepts and real-life applications.

A practical session will be conducted to enable participants to understand the process by the direct facilitation by the trainer.

We conduct a formative theoretical assessment at the beginning of the course to gauge the learner's initial understanding (novices only). At the end of the training, a summative theoretical and practical application assessment is conducted, to find if the learner is competent; if not, additional developmental areas are identified and suggested

Target Participant

Crane operator, Crane attendance, Maintenance personnel, Sub Contractor, Emergency Response Team members, Managers/ Executives, Safety and Health Officers, OSH Practitioners, Safety and Health Committee Members, Supervisors and all levels of workers

Training outline (2 days duration course)

Introduction to Construction Site Safety Awareness

- ✓ Understand on fundamentals of safety element in construction site.

Legislation pertaining to Construction Lifting Activities

- ✓ OSHA 1994 (Act 514)
- ✓ FMA 1967 (Act 139)
- ✓ CIDB ACT 1994 (Act 520)

Hazard Identification, Risk Assessment on Lifting Activities. Hazard pertaining to Lifting Activities & Risk Control; Identification of Lifting Equipment (Above Hook Block)

- ✓ Type of cranes
- ✓ Anatomy of Cranes
- ✓ Lifting Categories – Normal, Critical & Heavy Lift

Identification and implementation of of Lifting Accessories (Below Hook Block)

- ✓ Slings – Webbing, Wire rope & Chain
- ✓ Connector – Shackles, Turnbuckle, Chain Block, Lever Block
- ✓ Termination – Hook, Eye bolt, Wire rope Termination.

Lifting Equipment & Lifting Accessories Inspection to criteria

Lifting & Rigging Plan – What Rigger should know.

Briefing on practical session

- ✓ Toolbox Briefing
- ✓ Lifting Team Members – Rigger
- ✓ Lifting Equipment & Accessories Inspection (3rd Party & Colour Coding)

Practical session

- ✓ Lifting Equipment & Lifting Accessories Selection and application.
- ✓ Safe Slinging method – Direct, Choking & Basket (on site practice)
- ✓ Progressively “inching up “ the load and check for stability , security of load.
- ✓ Offset COG Load adjustment!
- ✓ Participant Assessment

Contact Information

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Why Us

Why OSH-ISIS Shall Be Your Preferred Partner

OSH ISIS provide a professional services motivated to design management system through dynamic platform for industry stakeholders.

More view on our system (click for viewing):



Simplified Management System



Hyperlinked Management System

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OSH Training OSH Smart Tool OSH Consultancy OSHE&Q Facilitation

	https://youtu.be/Nk4OVIO_kcUA	e-HIRARC Program. A smart tool for assessing risk and danger at workplace	Sample: http://oshisis.com/hirarc.xlsx
	https://youtu.be/ojkhfwsJv_vE	Integrated Safety Inspection System. An integration program to comply OSH-related laws and ISO 45001	Sample: http://oshisis.com/isis.xls
	https://youtu.be/D8Xotr76_cw	An effective management of OSH legal	