



COST ESTIMATION & MATERIAL SPECIFICATION FOR AN ELECTRICAL BID

CIDB

www.zohlgroupp.com

COURSE CODE: C-EE-04

LEVEL: Basic to Intermediate

LANGUAGE: English & Bahasa Malaysia

OVERVIEW

Focus on Basic Concepts

This program focuses on the basic principles and needs of industrial and commercial electrical power tender/bids. Our trainer will first help you understand basic concepts of understanding the key parameters to consider before proceeding to bid for an electrical tender. Emphasis will be on understanding the basic knowledge of material specification, understanding local authority and regulatory bodies requirements.

Understand Electrical Bids/Tenders

Key areas to focus before bidding is to understand the entire bid/tender on a holistic approach. Profit making is the ultimate goal with maximum focus on delivering customers' needs and to comply with specifications. By participating in this program, you'll gain a general understanding of the general concepts of bidding for an electrical project.

COURSE OBJECTIVE

Upon completion of this program, participants will be able to:

- Understand all specifications for project concerned in terms of national/local authorities or regulatory requirements.
- Understand geographical location of project site in terms of weather, locality, altitude etc Understand bid drawings/project drawings and verify with Bills of Quantities.
- Supplier/ manufacturers quotes/ Market trend on commodities market especially on copper/aluminium etc.
- Create an initial estimate.
- Quantity take-off of each BQ page.
- Add profit/overhead/direct cost/ indirect expense/sub-contractor cost
- Review and complete proposal
- Review results of bid.

COURSE DURATION

2 days (9am—5pm)

Tea Breaks: 10:30am & 3:30pm , Lunch: 1:00pm-2:00pm

Note : Please contact our office for Training Date or visit our website for details (www.zohlgroupp.com)

METHODOLOGY

This program will be conducted with:

- Interactive Lectures
- PowerPoint presentation
- Discussions | Practical Exercise
- Role Play | Case Study

TARGET AUDIENCE

This program is suitable for Engineers and Technicians

LOCATION

Mindset Discovery Center™@ZOHL, Bandar Sri Damansara, Kuala Lumpur or Client's Preferred Location or selected venue in the Region(s) / Online

KEYS TAKEAWAY

Cost Estimation and Material Specifications for an Electrical Bid is designed to any individuals, who are not intimately familiar with Electrical Engineering Principles and Practices. Through this course, delegates are expected to learn basic understanding of bidding electrical projects in a simple, easy to understand, format.

This course will enable attendees to accomplish straightforward and common calculations associated with the projects.

COURSE CONTENT

MODULE 1 - ELECTRICAL CODE AND SAFETY

- Basic Electrical Code
- Basic Electrical Safety

MODULE 2 - ELECTRICAL SPECIFICATION IN INDUSTRIAL AND COMMERCIAL APPLICATIONS

- JKR
- SIRIM / MALAYSIAN STANDARD
- IEEE Regulations

MODULE 3 – UNDERSTANDING MANPOWER RATES

- Sub-Contracting
- Foreign Workers
- Logistics / Lodgings and Travel

MODULE 4 – UNDERSTANDING THE BID

- Preliminaries and its effect on overall cause
- Regulatory requirements
- Supplier manufacturer pricing structure

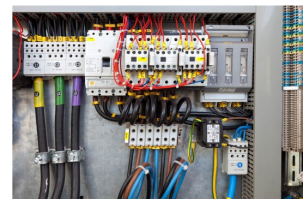
MODULE 5 - UNDERSTANDING ELECTRICAL DRAWINGS AND DOCUMENTATION

- Single-Line Schematic
- Symbols and Legend

MODULE 6 – SUBMITTING THE BID

- Profit
- Profit in attendance

Note: Course Content subject to further review



Customized In-House Training Program is available in the following areas:

Accounting & Finance | Administrative Skills | Career Development | Human Resources | Personal Development | Sales & Marketing | Leadership & Management | Workplace Essentials | Digital & Social Media Marketing | Cust Svc | SCM | Entrepreneurship | Soft Skills | HSE | Engineering | Telecoms | ICT | ISO | PM | TQM

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COURSE FEE

PHYSICAL CLASSROOM (FACE-TO-FACE)

Peninsular Malaysia

- **With Green Card: RM530.00** per person incl. 6% SST
- **Without Green Card: RM636.00** per person incl. 6% SST

Sabah & Sarawak

- **With Green Card: RM636.00** per person incl. 6% SST
 - **Without Green Card: RM742.00** per person incl. 6% SST
- (Fee inclusive of Course Material, Attendance Certificate, and Meals)

ONLINE

- **With Green Card: RM477.00** per person incl. 6% SST
- **Without Green Card: RM530.00** per person incl. 6% SST

CERTIFICATE

Participants will be issued a Certificate of Attendance/Accomplishment upon successful completion of this training program. Full attendance is a pre-requisite.

CIDB CCD Points

20 (for CIDB-Registered Companies)

REGISTRATION METHOD

1. **Online:** <https://zohlgroupp.com/mdc/cidb-registration/> **OR**
2. Download this brochure at: <https://zohlgroupp.com/mdc/cidb-brochure/> and fill up the required information. Then please **fax** to: 03.6279.0663
3. Or contact our office at: 03.6279.9276 / 013.398.1038

FACILITATOR



Sathy Vel Naidu - Sathy has more than 25 years of experience in the Mechanical and Electrical (M&E) industry. Over the span of his career he has gained significant knowledge in project management, electrical systems troubleshooting & maintenance, and systems design & engineering. In addition to managing projects he has also started sharing his knowledge through training services under ZOHL Technical Programs.

Education:

- Electrical Chargeman License
- Certificate in Westinghouse Electrical Systems
- Power Systems Auditor for Procter & Gamble
- Radiation Safety
- Training for Honeywell TDC 3000
- PSMB TTT Certificate

Experience:

- Electrical Technician for Hitachi Electronics Devices Singapore
- Testing & commissioning supervisor for Toyo Engineering
- Asst Engineer for FPG Oleochemicals Sdn Bhd
- Maintenance Manager FPG Oleochemicals sdn Bhd
- Engineering Director at Pakat Perkasa Sdn Bhd
- Lightning & Earthing Protection Systems Trainer for Celcom
- Electrical Trainer for Leigh-ton Offshore
- Technical Trainer @ZOHL
- HRDF certified trainer

*Note: Trainer availability is subject to change

REGISTRATION FORM

Participant : _____

Position : _____

IC No: _____

Note: please duplicate this page for multiple participants' registrations

Green Card No: _____ (only if it is applicable)

CIDB Grade G : _____ (only if it is applicable)

Training Date: _____

Training Venue: _____

Organization: _____

Address: _____

Contact Person: _____

Position: _____

Tel: _____

Fax: _____

Email: _____

Company Website: _____

PAYMENT

CASH: RM _____ **OR**

CHEQUE No: _____

Please fax your bank-in slip to 03.6279.0663 or scan your bank-in slip and email to plbk@zohlgroupp.com

*Please make your cheque payable to:

ZOHL Consultancy Sdn Bhd



Account No:
514392303373

Signature & Company Stamp

Note:

- Date & venue of seminar subject to changes
- Payment must be made 7 days before the training date
- Registration cancelled 7 days prior to the event is subject to RM100 service charge per participant
- No refunds for notice received less than 7 days prior to the event. A substitution may be made at any time at no extra charge.
- Program content may change subject to revision by our consultants from time to time.
- Full fee is required with your registration. 5% Group discount is available - min 3 pax.

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Sebarang pertanyaan sila hubungi Cik Niesa
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