

CERTIFICATE PROGRAMME ON CONSTRUCTION COSTING

Programme Aim & Objectives

The broad aim of this programme is to equip construction professionals engaged in various aspects of construction with the most updated knowledge, skills and techniques in construction costing, including measurement, estimating & pricing, tendering, etc. so that they may evaluate tender keep abreast and become more competitive in industry.

The major objectives of this programme are to increase the participants' knowledge in the areas of:

- (i) construction measurement;
- (ii) construction estimating techniques;
- (iii) pricing techniques;
- (iv) construction tender preparation and evaluation;
- (v) pre-qualification and tender reporting.
- (vi) contractual administration and related construction legal issues;

Course Content

1. An Introduction to Construction Costing
2. Construction Costing in Pre-contract Stage (I) – Feasibility Studies
The outline plan of work. Life cycle costing. Sensitivity Analysis. Residual method. Financing construction projects.
3. Construction Costing in Pre-contract Stage (II) – Construction Measurement
Construction Measurement. Standard Methods of Measurement for various types of works.
4. Construction Costing in Pre-contract Stage (III) – Construction Estimating and Tender Preparation. Elemental cost analysis. Techniques in construction pricing. Tender Evaluation.
5. Construction Costing in Post-contract Stage (I) - Cost Control and Cashflow Monitoring
Basic construction work measuring. Estimating and elemental cost analysis. Budgetary and cost control. Monitoring construction project cashflow. Tender evaluation.

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6. Legal Aspects in Construction
Laws related to construction. Laws of Contract. Analysis of the construction contracts commonly used in Hong Kong.
7. Managing Construction Projects
Site layout. Construction purchasing and waste management. Personnel management in construction.
8. Quality Assurance in Construction
An overview of ISO 9000: 2000 and ISO 9000: 1994. Applying QA onto construction. The ISO 9000 certification process. What do Auditors look for in their visits?
9. Construction Safety and Environmental Protection
Safety requirements. How to implement safety in construction sites? Environmental requirements in construction.
10. Case studies and Workshop.

Designed For

Quantity surveyors, cost engineers, project managers, architects, site managers, construction engineers, and other construction executives who are interested to increase their knowledge in various areas of construction costing.

Time & Duration

3 hours per Lecture, 10 Lectures (1 Lectures per week).

Language Of Delivery

Cantonese supplemented with English Terminologies.

Award Of Certificate

The certificate will only be awarded to participants who have attended at least 70% of the lectures and passed the end of programme test.