



Advance Construction Professional Program



Construction Industry

Development Council

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Introduction

The problems of rising costs, shortage of skilled labour and difficulties in maintaining standards of workmanship are vitally affecting the construction industry at this point in time. Considerable gains in productivity and standards of achievement can be obtained from improved attention of supervisors in above matters. **Advance Construction Professional** Program deals with the functions of supervision for the identified competency to enable trained candidates meeting the professional demands efficiently.

CCP Profile

For a successful completion, construction projects require a cadre of execution persons those who can assist the constructor in the supervision activities. These persons should be knowledgeable of the essentials of a specific activity or a group of activities and can control the execution activities in an optimum manner with lesser errors and better outputs. These persons should be able to translate the planned project or the specific work components to ground. They should be able to address the jobsite safety issues while supervising. Knowledge base of such persons should permit them to identify any incorrect technical decision or action or inappropriate material so that proper work in accordance with the specifications could be executed. The cadre of such supervising persons is termed as **Certified Construction Professional**. The program aims to develop such cadre with eight different competencies required for successful project execution.

Program Details

The program is designed for Industry entrants and working professionals desirous of enhancing their proficiencies through structured training. It is built on a modular system to be delivered through distance mode on a trimester system. Each proficiency capsule comprises of three components. Having gained all the proficiencies successfully, the trainee shall be certified by the CIDC.

Proficiency Details

Based on the project work requirements eight different proficiencies are identified in the current phase of program. The text hereafter describes various proficiencies

A. Construction Safety and Site Security

Construction Safety and Site Security activities primarily are conducted to improve management systems for reducing injuries and improving security at project sites. Importance of these issues is extremely high and the project professional responsible needs render the services efficiently. The proficiency set is structured into three components titled as, Construction Safety, Electrical Safety and Construction Site Security.

B. Concrete Essentials

Concrete ingredients, proper formwork and correct reinforcement have a major influence on strength of the concrete structures. In order to maintain quality it is essential for the supervisor to carryout concreting in a proper manner. The proficiency set covers the activities of supervision structured in three sections titled as, Concrete Materials, Formwork and Reinforcement Practice.

C. Concreting Process

In today's construction industry, with all the pressures of time and responsibilities, it is essential that the concreting process should be carried out in a logical, economic and workmanlike manner. Much of the pressure devolves upon the supervisor, be the section engineer, general foreman, clerk of works or trades foreman. The proficiency set is structured into three components titled as, Concreting, Ready Mix Concrete & Transportation, and Concrete-Testing, Repair, Rehabilitation, & Retrofitting.

D. Scaffolding Construction and Management

Scaffolding provides support for working at elevations and is the highest risk component of any construction project site. Persons supervising such activities should be capable to understand and direct actions so that the scaffold structures are able to take into account the strength, stability and rigidity of the supporting structure; the handling normally associated with scaffolding; the safety of persons engaged in the erection, alteration and dismantling of the scaffold; the safety of persons using the scaffold; and the safety of persons in the vicinity of the scaffold. The proficiency set is structured into three components titled as, Scaffolding Materials, Scaffolding Construction and Management and Construction at Elevations.

E. Construction Quality Control

Quality control is vital for construction project for obvious reasons. Added to this, the enormity of project costs and the cost of human lives depending on such projects make it vital for the project assistants and therefore this proficiency. The proficiency set is structured into three components titled as, Construction Quality Control Documentation, Construction Quality Management and Testing for Quality Control.

F. Bar Bending Scheduling & Documentation

Satisfactory performance of a reinforced concrete structure is dependent on appropriate reinforcement. This structural detailing, in turn, depends on the effective and efficient actions of project assistant responsible. The proficiency, therefore is quite important to be cultivated and therefore the capsule. The proficiency set is structured into three components titled as, Construction Drawings, Bar Bending Operations and Bar bending Scheduling & Documentation .

G. Construction Site Management

Construction Site Management is essential for financially viable project completed on time within authorized cost and to the required quality standards. The construction site supervisor is responsible for coordinating the work schedules and deliveries, and making sure the building site is run efficiently and safely. The proficiency set covers all the activities of supervision structured in three sections titled as, Human resource Planning, Construction Supervision and Construction Site Planning and Work Scheduling.

H. Quantity Survey

Quantity Survey is one of the primary components in the financial control of any construction project. Supervisors working for the constructor in this field have to assume an active role in providing financial advice to their employers and clients. The estimator produces financial budgets for this purpose and assembles cost allowances for use during construction. The proficiency set covers all the activities of supervision structured in three sections titled as, Estimation Process, Computer Aided Estimation and Measurement of materials and works.

Financial Details

The course fee structure is as under:

Sl. No.	Description	Candidates in India (in INR)	Overseas Candidate (in US\$)
1.	Registration Fee	2,500/-	100/-
2.	Program Fee	80,000/-	2000/-
3.	Course Guidance Fee	8,000/-	350/-
4.	Examination Fee	5,000/-	850/-
5.	Grand Jury Fee	10,000/-	200/-
	Total	1,05,500/-	3,500/-

Enrolling student can join the program by paying applicable fee through an account payee demand draft drawn in favour of Construction Industry Development Council, payable at New Delhi.

Essential Qualification

Essential qualifications of the trainee candidates is graduation in any discipline with physics, chemistry and mathematics as the core subjects at intermediate level or degree / diploma in any branch of engineering. Working Professionals in construction industry with a minimum experience of 5 years with intermediate or 8 years with matriculation can be admitted on the basis of an entrance test and counseling.

About Training Pedagogy

Program is structured on a modular pattern with eight modules, of sixty days each, focused at the required proficiency. Program shall be conducted on a distance learning mode supported by assignments, module end examinations, major project and appearance before a Grand Jury. Candidate shall have to submit two assignments and clear a module end examination to complete the specific module. Upon conclusion of all the eight modules candidate shall have to complete one major project and submit its report within a period of sixty days to complete the training activities. The Candidate shall have to appear before the Grand Jury and defend his project report subsequently for the award of program diploma.

For more details you may contact:

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