



Australian Government

CPCPCM4012 Estimate and cost work

Release: 2

CPCPCM4012 Estimate and cost work

Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Changes to Elements and Performance Criteria 2.6.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCPCM4012A Estimate and cost work.
Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to estimate materials, labour and time requirements and to establish costs for provision of quotations to provide services to a Class 1 building.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

Nil.

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- | | | | |
|---|---------------------|-----|--|
| 1 | Gather information. | 1.1 | Determine customer requirements. |
| | | 1.2 | Access plans and specifications to determine work requirements. |
| | | 1.3 | Consider sustainability principles and concepts applicable to proposed work. |
| | | 1.4 | Determine source of products and services to be |

- provided.
- 1.5 Determine delivery point and methods of transportation.
- 2 Estimate materials, labour and time.
- 2.1 Plan and sequence work, including preparatory tasks.
- 2.2 Calculate types and quantities of materials required.
- 2.3 Determine plant and equipment requirements to perform work.
- 2.4 Assess labour requirements to perform work.
- 2.5 Determine time requirements to perform work.
- 2.6 Calculate sundry costs to perform work.
- 3 Calculate costs.
- 3.1 Estimate total cost of materials, plant, equipment, sundry costs and labour according to workplace procedures.
- 3.2 Apply overheads and mark-up percentages to calculate total work cost.
- 3.3 Produce final cost for work.
- 4 Document and verify details.
- 4.1 Record details of services, costs and charges according to workplace procedures.
- 4.2 Apply terms, inclusions and exclusions according to workplace procedures.
- 4.3 Present quotation according to workplace procedures.
- 4.4 Store quotations and documentation for future reference according to workplace procedures.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCPCM4012A Estimate and cost work.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPCM4012 Estimate and cost work

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- providing detailed quotations from a set of plans for three varied jobs for a Class 1 building to customer requirements.

The quotes and tenders must include two of the following:

- sanitary/drainage installation
- mechanical services installation
- a gas installation
- a roofing installation
- a fire services installation
- a water services installation

The quotes and tenders must:

- include accurate and industry realistic estimates and costs for labour, materials, overheads and timing
- be reflective of the clients' needs
- be presented in according to workplace procedures.

Knowledge Evidence

To be competent in this unit, a person must demonstrate knowledge of:

- how to read plans and specifications to determine requirements
- process for estimating, managing and costing work
- calculating material requirements
- relevant statutory requirements related to estimating and costing work

- tendering and quotations
- contracting processes
- factors for estimating and costing:
 - labour
 - awards and workplace agreements
 - materials
 - plant and equipment
 - overheads
- costing programs
- how to access relevant information, including codes and standards
- tools, materials and equipment used for estimating and costing work
- work health and safety (WHS) requirements for estimating and costing work.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

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