

Overview

This unit is about identifying plant and equipment requirements, potential suppliers, estimating costs, implementing orders, identifying and rectifying problems and liaising with suppliers. You will need to identify plant selection criteria, evaluate information and identify and recommend options for acquiring plant. You will need to identify potential suppliers, estimate costs, summarise benefits and constraints, make recommendations and implement orders.

You will need to monitor plant, identify problems and pass them on as necessary, identify changes to improve performance and agree changes with suppliers. You will need to liaise and conduct meetings with suppliers.

Performance criteria

You must be able to:

Identify and recommend plant and equipment

- P1 obtain information about project requirements for **plant and equipment**
- P2 confirm the **selection criteria** for **plant and equipment**
- P3 identify and recommend **options for acquiring plant and equipment** which meet user requirements
- P4 identify potential suppliers of **plant and equipment** that meet the **selection criteria**
- P5 estimate the **costs** of **plant and equipment** and present the information so that comparisons can be made
- P6 implement orders for **plant and equipment** which meets **project requirements**

Monitor the performance of plant and equipment supplied

You must be able to:

- P7 monitor regularly the performance and **costs** of **plant and equipment** supplied against the **selection criteria**
- P8 record any problems with **plant and equipment** supplied, pass the information on to **interested parties** and discuss it with them
- P9 identify changes which will improve the **interested parties'** use of **plant and equipment** supplied, discuss and agree changes with the **supplier** and maintain agreed actions to improve performance
- P10 liaise with suppliers of **plant and equipment** and provide them with information which will help them to better meet the **selection criteria**
- P11 conduct meetings with suppliers of **plant and equipment** in a manner which maintains their goodwill and trust

Knowledge and understanding

You need to know and understand:

Identify and recommend plant and equipment

- K1 how to obtain information about project requirements for **plant and equipment** (application)
- K2 how to confirm the **selection criteria** for **plant and equipment** (application)
- K3 what to identify as **options for acquiring plant and equipment** which meet user requirements (understanding)
- K4 how and why to recommend **options for acquiring plant and equipment** which meet user requirements (synthesis)
- K5 what to identify as potential suppliers of **plant and equipment** that meet the **selection criteria** (understanding)
- K6 how and why to estimate the **costs** of **plant and equipment** and present the information so that comparisons can be made (analysis)
- K7 how to implement orders for **plant and equipment** which meets **project requirements** (application)

Monitor economic performance of plant and equipment supplied

You need to know and understand:

- K8 how and why to monitor regularly the performance and costs of plant and equipment supplied against the selection criteria (analysis)
- K9 how to record any problems with **plant and equipment** supplied (application)
- K10 how to pass the information on to **interested parties** and discuss it with them (application)
- K11 what to identify as changes which will improve the **interested parties'** use of **plant and equipment** supplied (understanding)
- K12 how to discuss changes with the **supplier** and maintain agreed actions to improve performance (application)
- K13 how and why to agree changes with the **supplier** and maintain agreed actions to improve performance (evaluation)
- K14 liaise with suppliers of **plant and equipment** and provide them with information which will help them to better meet the **selection criteria** (synthesis)
- K15 how to conduct meetings with suppliers of **plant and equipment** in a manner which maintains their goodwill and trust (application)

Scope/range

Identify and recommend plant and equipment

- 1 Selection criteria:
 - 1.1 user requirements including performance
 - 1.2 environmental suitability
 - 1.3 project duration
 - 1.4 location
 - 1.5 user policies and preferences on plant ownership, leasing and hire
 - 1.6 availability
 - 1.7 repairs and maintenance
 - 1.8 health and safety features
 - 1.9 energy efficiency
 - 1.10 security features
- 2 Plant and equipment:
 - 2.1 static
 - 2.2 mobile
 - 2.3 hand tools
 - 2.4 consumables
 - 2.5 health and safety equipment
 - 2.6 standard
 - 2.7 non-standard
 - 2.8 electro-mechanical
 - 2.9 electronic
- 3 Options for acquiring:
 - 3.1 purchase
 - 3.2 modify
 - 3.3 lease
 - 3.4 hire
- 4 Costs:
 - 4.1 running costs
 - 4.2 acquisition costs (purchase, hire, lease)
 - 4.3 repair and maintenance
 - 4.4 depreciation
 - 4.5 insurance

Scope/range

- 5 Project requirements:
 - 5.1 needs of users
 - 5.2 agreed targets
 - 5.3 budgets and timescales
 - 5.4 condition of plant and equipment
 - 5.5 maintenance requirements
 - 5.6 competency of operators

Monitor the performance of plant and equipment supplied

- 6 Costs:
 - 6.1 running costs
 - 6.2 acquisition costs (purchase, hire, lease)
 - 6.3 repair and maintenance
 - 6.4 depreciation
 - 6.5 insurance
- 7 Plant and equipment:
 - 7.1 static
 - 7.2 mobile
 - 7.3 hand tools
 - 7.4 consumables
 - 7.5 health and safety equipment
- 8 Selection criteria
 - 8.1 user requirements including performance
 - 8.2 environmental suitability
 - 8.3 project duration
 - 8.4 location
 - 8.5 user policies and preferences on plant ownership, leasing and hire
 - 8.6 availability
 - 8.7 repairs and maintenance
 - 8.8 health and safety features
 - 8.9 energy efficiency
 - 8.10 security features
- 9 Interested parties:

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Recommend and monitor supplies of plant and equipment in construction



Scope/range

- 9.1 line managers
- 9.2 contract/site management

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