

CPCCBC4004A

## Assessment task 5 – Labour costs

## Contents

Introduction .....	2
Assessment task – Labour costs .....	3
Conclusion.....	6
Reference:.....	6

## Introduction

### **Purpose of assessment**

To identify labour costs.

This assessment task accounts for 15% of total assessment.

### **Assessment task**

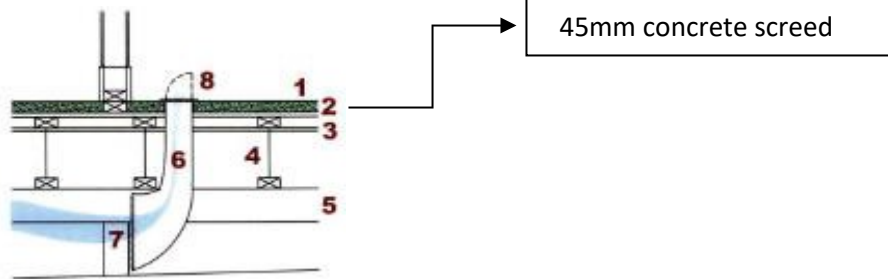
Estimate the hours of labour required to supply and install each key item listed in your take offs used in Assessment task 2.

## Assessment task 5 – Labour costs

**Estimate the hours of labour required and install each key item listed**

**Produce the material quantities, and show key measurements and details**


Key items	Description	Quantity	Unit	Rate	Total
1. Concrete	Concrete Slab, 45mm concrete screed (1540×8670-3000×2420-750×4760) ×45mm	55.483 m <sup>3</sup>	m <sup>3</sup>	\$55.00/hour per person  (3 workers/ 3 days/ 6 hours per day)	\$2970.00



2. Carpentry	Top/ bot plates	120	Lm	\$50.00/hour per person  (3 workers/ 5 days/ 8 hours per day)	\$6000.00
	Studs	350	Lm		
	Corner studs intersections	20	Lm		
	Door studs	30	Lm		
	Door heads	5	Lm		
	Noggings	120	Lm		
	Speed brace	55	Lm		
	Nails	1200	No.		


### Timber wall framing:

- Typical timber stud wall framing.
- Timber is F5 pine mgp10.
- External walls total length is 41.120m
- Wall height (ceiling) 2.7m
- Studs 450mm centres nominal size 90×38mm
- 2 row of noggings nominal size 90× 38mm
- Plates top and bottom nominal size 90×45 mm
- Door studs nominal size 90×45mm
- Door heads nominal size 90×45mm

3. Cabinetry	Cabinetry for Kitchen	12.50	lm	\$38/hour per person  (3 workers/ 3 day/8hours per person)	\$2736.00								
	Cabinetry for Cooktop	23.80	lm										
<div></div>													
4. Sanitary Plumbing	Haigh 40mm PVC Telescopic Space Trap	30	No.	\$80.00/hour per person  (3 workers/ 5 days/ 8 hours per day)	\$ 9600.00								
	Connector Waste Pvc Abey 40mm Trap	30	No.										
	PVC DWV Pipe	120	m										
	100mm 88° M-F PVC DWV Plain Bend	30	No.										
	65mm 88° Female and Female PVC DWV Plain Bend.	10	No.										
	40mm 40° Male and Female PVC DWV Plain Bend	10	No.										
	WC suite	1	No.										
	Kitchen sink	1	No.										
	Bath	1	No.										
	Laundry Trough	1	No.										
5. Electrical	Electrical cable	600	m	\$70.00/hour per person  (2 workers/ 3 days /8hours per day)	\$3360.00								
	Switch	15	No.										
	outlet	5	No.										
	light	20	No.										
<table><tr><td>Wire Gauge</td><td>Wire capacity and use</td></tr><tr><td>6</td><td>60 amps, 240 volts; Central air conditioning unit, electric furnace</td></tr><tr><td>8</td><td>40 amps, 240 volts; Electric range, central air conditioning unit</td></tr><tr><td>10</td><td>30 amps, 240 volts; Window air conditioning unit, clothes dryer</td></tr></table>						Wire Gauge	Wire capacity and use	6	60 amps, 240 volts; Central air conditioning unit, electric furnace	8	40 amps, 240 volts; Electric range, central air conditioning unit	10	30 amps, 240 volts; Window air conditioning unit, clothes dryer
Wire Gauge	Wire capacity and use												
6	60 amps, 240 volts; Central air conditioning unit, electric furnace												
8	40 amps, 240 volts; Electric range, central air conditioning unit												
10	30 amps, 240 volts; Window air conditioning unit, clothes dryer												

Student name: Linchong pan

Student ID: 100571672

12	20 amps, 120 volts; Light fixtures, receptacles or wallboxes				
14	15 amps, 120 volts; Light fixtures, receptacles or wallboxes				
16	Light duty extension cords				
18-22	Alarm systems, doorbells, and thermostats				
6. Floor, wall and ceiling finishes	Floor Tiles Supply				
	Floor tiles	60m <sup>2</sup>	m <sup>2</sup>	\$ 40.00/hour per person (2 workers/ 3 days/ 6 hours per day)	\$1440.00
	Adhesive	30can(5kg)	can		
	Grout pre-mixed	4bags(10kg)	bag		
					
	Plasterboard – ceilings	120m <sup>2</sup>	m <sup>2</sup>	\$50.00/hour per person (4 workers/ 5days/ 6hours per day)	\$6000.00
	Plasterboard – walls	300m <sup>2</sup>	m <sup>2</sup>		
	Paper tape for corner stopping and joints	3 ×90 lm rolls	roll		
	Adhesive for fixing	3 × 1bucket (1kg)	bucket		
	Base-coat 45	4 ×1bag(20kg)	bag		
	Top coat	4 ×1 bucket(20kg)	bucket		
7. Painting	Walls-painting (2 layers)	300m <sup>2</sup> 14×1 bucket (4L)	m <sup>2</sup>	\$ 55.00/hour per person	\$1760.00
	Ceilings-painting (2 layers)	120m <sup>2</sup> 9 ×1 bucket (4L)	m <sup>2</sup>	(2 workers/ 2 days/ 8hours per day)	

## Conclusion:

In conclusion, this assessment demonstrates how to identify and file labour cost for a project.

## Reference:

- CPCCBC4004A Identify and produce estimated costs for building and construction projects
- [www.bunnings.com.au](http://www.bunnings.com.au)