

## *composite unit rates*

### **Composite Unit Rates**

This section lists a selection of all-in composite unit rates commonly used for estimating.

#### Note:

Cost information for the countries featured is based on the following cities :

- China - Shanghai & Beijing
- India (Tier I Cities) - Chennai, Bangalore, Hyderabad, Pune & Mumbai
- India (Tier II Cities) - Rest of India
- United Arab Emirates - Abu Dhabi
- Malaysia - Kuala Lumpur
- Thailand - Bangkok
- Vietnam - Ho Chi Minh City

## *composite unit rates (architectural elements)*

### **Roofing**

Reinforced concrete flat roof; 150mm thk; built-up waterproofing membrane  
Tiled pitch roof; timber roof truss framing; glazed clay interlocking tiles  
Metal roof; structural steel roof truss framing

### **Facade**

Aluminium curtain walling system; 6mm thk tinted tempered glass; flat surfaces  
Granite cladding; medium quality; flat surfaces  
Alucobond aluminium cladding; flat surfaces

### **Walls**

Well burnt clay brick wall 115mm thk; internal; plaster and paint to both sides  
Gypsum wall partition; paint to both sides

### **Wall finishes; Internal**

Plaster and emulsion paint  
Ceramic tiled finish; medium quality; including screed backing  
Marble finish; medium quality; including screed backing (non-european source)  
Granite finish; medium quality; including screed backing (non-european source)

### **Floor Finishes**

Cement and sand (1:3) paving  
Ceramic tiled finish; medium quality; including screed backing  
Marble finish; medium quality; including screed backing (non-european source)  
Granite finish; medium quality; including screed backing (non-european source)  
Carpet; medium quality; including screed backing  
Teak block parquet; 6mm thk; including screed backing  
Timber strip flooring; 12mm thk; including screed backing

### **Ceiling Finishes**

Skim coat plastering and emulsion paint  
Plaster and emulsion paint  
Fibrous plasterboard ceiling; timber framing; emulsion paint  
Mineral fibre board ceiling; medium quality; exposed grid suspension system  
Aluminium strip ceiling; medium quality

*composite unit rates (architectural elements)*

	Shanghai RMB	Beijing RMB	Hong Kong HK\$
m <sup>2</sup>	550	560	798
m <sup>2</sup>	530	480	820
m <sup>2</sup>	700	720	1,329
m <sup>2</sup>	1,500	1,100	4,429
m <sup>2</sup>	900	800	3,986
m <sup>2</sup>	1,150	1,200	3,100
m <sup>2</sup>	150	150	399
m <sup>2</sup>	200	200	499
m <sup>2</sup>	56	50	144
m <sup>2</sup>	200	180	399
m <sup>2</sup>	900	700	997
m <sup>2</sup>	600	600	930
m <sup>2</sup>	55	50	67
m <sup>2</sup>	180	180	399
m <sup>2</sup>	700	600	930
m <sup>2</sup>	400	400	864
m <sup>2</sup>	280	250	333
m <sup>2</sup>	280	300	598
m <sup>2</sup>	320	350	687
m <sup>2</sup>	50	50	100
m <sup>2</sup>	55	58	122
m <sup>2</sup>	180	170	399
m <sup>2</sup>	160	160	333
m <sup>2</sup>	220	200	465

## *composite unit rates (architectural elements)*

### **Roofing**

Reinforced concrete flat roof; 150mm thk; built-up waterproofing membrane

Tiled pitch roof; timber roof truss framing; glazed clay interlocking tiles

Metal roof; structural steel roof truss framing

### **Facade**

Aluminium curtain walling system; 6mm thk tinted tempered glass; flat surfaces

Granite cladding; medium quality; flat surfaces

Alucobond aluminium cladding; flat surfaces

### **Walls**

Well burnt clay brick wall 115mm thk; internal; plaster and paint to both sides

Gypsum wall partition; paint to both sides

### **Wall finishes; Internal**

Plaster and emulsion paint

Ceramic tiled finish; medium quality; including screed backing

Marble finish; medium quality; including screed backing (non-european source)

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### **Floor Finishes**

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Marble finish; medium quality; including screed backing (non-european source)

Granite finish; medium quality; including screed backing (non-european source)

Carpet; medium quality; including screed backing

Teak block parquet; 6mm thk; including screed backing

Timber strip flooring; 12mm thk; including screed backing

### **Ceiling Finishes**

Skim coat plastering and emulsion paint

Plaster and emulsion paint

Fibrous plasterboard ceiling; timber framing; emulsion paint

Mineral fibre board ceiling; medium quality; exposed grid suspension system

Aluminium strip ceiling; medium quality

## *composite unit rates (architectural elements)*

	India (Tier I Cities) INR	India (Tier II Cities) INR	Malaysia RM
m <sup>2</sup>	2,300	2,300	220
m <sup>2</sup>	4,500	4,500	190
m <sup>2</sup>	5,500	5,500	320
m <sup>2</sup>	13,000	12,000	840
m <sup>2</sup>	4,500	4,500	850
m <sup>2</sup>	5,500	5,500	580
m <sup>2</sup>	750	750	86
m <sup>2</sup>	1,800	1,800	95
m <sup>2</sup>	380	380	26
m <sup>2</sup>	1,400	1,400	75
m <sup>2</sup>	5,000	5,000	500
m <sup>2</sup>	3,500	3,500	550
m <sup>2</sup>	180	180	15
m <sup>2</sup>	1,100	1,000	75
m <sup>2</sup>	4,500	4,500	470
m <sup>2</sup>	3,250	3,250	510
m <sup>2</sup>	1,000	1,000	180
m <sup>2</sup>	3,500	3,500	95
m <sup>2</sup>	3,200	3,200	200
m <sup>2</sup>	275	275	15
m <sup>2</sup>	350	350	26
m <sup>2</sup>	900	900	70
m <sup>2</sup>	1,050	1,050	70
m <sup>2</sup>	1,700	1,700	165

## *composite unit rates (architectural elements)*

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Reinforced concrete flat roof; 150mm thk; built-up waterproofing membrane

Tiled pitch roof; timber roof truss framing; glazed clay interlocking tiles

Metal roof; structural steel roof truss framing

### **Facade**

Aluminium curtain walling system; 6mm thk tinted tempered glass; flat surfaces

Granite cladding; medium quality; flat surfaces

Alucobond aluminium cladding; flat surfaces

### **Walls**

Well burnt clay brick wall 115mm thk; internal; plaster and paint to both sides

Gypsum wall partition; paint to both sides

### **Wall finishes; Internal**

Plaster and emulsion paint

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Marble finish; medium quality; including screed backing (non-european source)

Granite finish; medium quality; including screed backing (non-european source)

### **Floor Finishes**

Cement and sand (1:3) paving

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Marble finish; medium quality; including screed backing (non-european source)

Granite finish; medium quality; including screed backing (non-european source)

Carpet; medium quality; including screed backing

Teak block parquet; 6mm thk; including screed backing

Timber strip flooring; 12mm thk; including screed backing

### **Ceiling Finishes**

Skim coat plastering and emulsion paint

Plaster and emulsion paint

Fibrous plasterboard ceiling; timber framing; emulsion paint

Mineral fibre board ceiling; medium quality; exposed grid suspension system

Aluminium strip ceiling; medium quality

## *composite unit rates (architectural elements)*

Unit	Maldives USD	UAE AED	Singapore S\$
m <sup>2</sup>	N/A	420	210
m <sup>2</sup>	N/A	N/A	190
m <sup>2</sup>	N/A	700	350
m <sup>2</sup>	N/A	1,800	750
m <sup>2</sup>	N/A	1,800	550
m <sup>2</sup>	N/A	1,200	360
m <sup>2</sup>	N/A	100	80
m <sup>2</sup>	85	220	80
m <sup>2</sup>	20	70	26
m <sup>2</sup>	N/A	150	80
m <sup>2</sup>	190	400	210
m <sup>2</sup>	N/A	500	230
m <sup>2</sup>	N/A	40	23
m <sup>2</sup>	N/A	150	80
m <sup>2</sup>	175	400	200
m <sup>2</sup>	N/A	450	220
m <sup>2</sup>	N/A	130	80
m <sup>2</sup>	N/A	250	100
m <sup>2</sup>	N/A	280	160
m <sup>2</sup>	N/A	65	13
m <sup>2</sup>	19	80	25
m <sup>2</sup>	N/A	180	45
m <sup>2</sup>	N/A	170	40
m <sup>2</sup>	N/A	230	150

## *composite unit rates (architectural elements)*

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Metal roof; structural steel roof truss framing

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Timber strip flooring; 12mm thk; including screed backing

### **Ceiling Finishes**

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Plaster and emulsion paint  
Fibrous plasterboard ceiling; timber framing; emulsion paint  
Mineral fibre board ceiling; medium quality; exposed grid suspension system  
Aluminium strip ceiling; medium quality



## *composite unit rates (architectural elements)*

Unit	Thailand BAHT	Vietnam VND('000)
m <sup>2</sup>	1,500	740
m <sup>2</sup>	1,200	1,000
m <sup>2</sup>	2,400	1,900
m <sup>2</sup>	6,000	4,200
m <sup>2</sup>	5,000	2,500
m <sup>2</sup>	4,500	2,600
m <sup>2</sup>	800	350
m <sup>2</sup>	800	400
m <sup>2</sup>	250	95
m <sup>2</sup>	850	350
m <sup>2</sup>	2,800	1,550
m <sup>2</sup>	2,800	1,550
m <sup>2</sup>	240	65
m <sup>2</sup>	850	350
m <sup>2</sup>	2,800	1,550
m <sup>2</sup>	2,800	1,550
m <sup>2</sup>	1,200	350
m <sup>2</sup>	1,800	800
m <sup>2</sup>	3,000	1,300
m <sup>2</sup>	250	80
m <sup>2</sup>	300	95
m <sup>2</sup>	650	200
m <sup>2</sup>	580	250
m <sup>2</sup>	1,600	550

## *composite unit rates (external works)*

### **Roads**

Premixed road; sand bed, crusher run, base course and wearing course  
Interlocking paver; including sand bed

### **Drains**

450mm wide (internal) precast concrete block drain; including concrete base;  
1m high of rubble pitching retaining wall both sides  
450mm diameter precast concrete storm water pipe; 1m deep;  
concrete base and surround

### **Retaining Walls (Based on an average height of 2m)**

Rubble pitching retaining wall; 225mm thick; including concrete base  
Reinforced concrete retaining wall; 225mm thick; including concrete base

*composite unit rates (external works)*

Unit	Shanghai RMB	Beijing RMB	Hong Kong HK\$
m <sup>2</sup>	320	300	465
m <sup>2</sup>	85	100	333
m	780	800	1,196
m	630	650	997
m <sup>2</sup>	N/A	600	1,063
m <sup>2</sup>	750	850	1,329

## *composite unit rates (external works)*

### **Roads**

Premixed road; sand bed, crusher run, base course and wearing course  
Interlocking paver; including sand bed

### **Drains**

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Rubble pitching retaining wall; 225mm thick; including concrete base  
Reinforced concrete retaining wall; 225mm thick; including concrete base

*composite unit rates (external works)*

Unit	India (Tier I Cities) INR	India (Tier II Cities) INR	Malaysia RM
m <sup>2</sup>	1,400	1,400	74
m <sup>2</sup>	850	850	86
m	N/A	N/A	217
m	2,500	2,500	258
m <sup>2</sup>	N/A	N/A	295
m <sup>2</sup>	7,500	7,500	471

## *composite unit rates (external works)*

### **Roads**

Premixed road; sand bed, crusher run, base course and wearing course  
Interlocking paver; including sand bed

### **Drains**

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*composite unit rates (external works)*

Unit	Maldives USD	UAE AED	Singapore S\$
m <sup>2</sup>	N/A	350	120
m <sup>2</sup>	N/A	100	90
m	N/A	400	420
m	N/A	450	380
m <sup>2</sup>	N/A	N/A	420
m <sup>2</sup>	N/A	1,000	300

## *composite unit rates (external works)*

### **Roads**

Premixed road; sand bed, crusher run, base course and wearing course  
Interlocking paver; including sand bed

### **Drains**

450mm wide (internal) precast concrete block drain; including concrete base;  
1m high of rubble pitching retaining wall both sides

450mm diameter precast concrete storm water pipe; 1m deep;  
concrete base and surround

### **Retaining Walls (Based on an average height of 2m)**

Rubble pitching retaining wall; 225mm thick; including concrete base

Reinforced concrete retaining wall; 225mm thick; including concrete base



## *composite unit rates (external works)*

Unit	Thailand BAHT	Vietnam VND('000)
m <sup>2</sup>	1,200	450
m <sup>2</sup>	900	350
m	800	1,750
m	1,000	NA
m <sup>2</sup>	1,000	NA
m <sup>2</sup>	1,800	1,650