

BAHAGIAN 3.10 : METALWORK (CLASS L)

Kawasan Utara - Perlis, Kedah, Pulau Pinang dan Perak
 Kawasan Tengah - Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan,
 Selangor dan Johor
 Kawasan Timur - Pahang, Terengganu dan Kelantan

BIL	KETERANGAN KERJA	UNIT	KAWASAN UTARA		KAWASAN TENGAH		KAWASAN TIMUR		KESELURUHAN	
			PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)
1	Handrailing Supply and install 38mm OD GI Handrails with 1100mm Height double tubular line as per drawing.	m			134.00	75.00 - 200.00			134.00	75.00 - 200.00
2	900mm High (overall) of hot dipped galvanised mild steel handrailing with approved pattern including all necessary bend, joints accessories etc. and all as per detail drawings	m			233.46	60.00 - 380.00			233.46	60.00 - 380.00
3	900mm height Stainless steel to B.S 302 with satin finished; welded to handrail brackets (measured separately); filling all welds smooth; to manufacturer's detail.	m			137.00	82.00 - 330.00			137.00	82.00 - 330.00
4	950mm high hand-railing constructed of galvanised mild steel holder bats fixed baluster to top of wall kerb with approved holding bolts and nuts.	m	170.98	130.00-180.00					170.98	130.00-180.00
5	950mm high hand-railing constructed of galvanised mild steel holder bats fixed baluster to top of wall kerb with approved holding bolts and nuts.	m	172.18	130.00-190.00					172.18	130.00-190.00

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6	Handrailing (cont'd) Galvanised iron railing with post and handrail at parapets complete with and including 16mm diameter galvanised mild steel bolt bent to 'U' shape with nuts and washers and two coats of bituminous paint on base of post as shown in the Drawing.	m			144.54	100.00 - 180.00			144.54	100.00 - 180.00
7	1000mm height mild steel railing with 75mm diameter to B.S 302 with satin finished; welded to handrail brackets (measured separately); site connection; filling all welds smooth.	m			175.00	85.00 - 280.00			175.00	85.00 - 280.00
8	M.S. Step Ladder Supply and install Aluminium access ladder from sump opening level to base of grit sump, approximately 2.40m complete with supporting brackets and all necessary fixing ancillaries, fixed to concrete.	no.			815.20	200.00 - 1,800.00			815.20	200.00 - 1,800.00
9	Supply and install 4.0 m Height Aluminium access ladder from sump opening level to base of sump, complete with supporting brackets and all necessary fixing ancillaries, fixed to concrete complete as specified for approximately depth of:	no.			1,150.00	600.00 - 1,800.00			1,150.00	600.00 - 1,800.00
10	Supply and install mild steel Step Iron for approximately 3.6m depth complete with all necessary fixing ancillaries, fixed to concrete complete as on drawings.	no.			625.00	180.00 - 1,000.00			625.00	180.00 - 1,000.00

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	Cat Ladder <u>Supply and install Aluminium access ladder from sump opening level to base of grit sump, complete with supporting brackets and all necessary fixing ancillaries, fixed to concrete complete as specified for approximately depth of:</u>									
11	1.5m	no.			804.00	300.00 - 1,500.00			804.00	300.00 - 1,500.00
12	2.4m	no.			1,204.38	300.00- 1,800.00			1,204.38	300.00- 1,800.00
13	3.0m	no.			1,231.00	400.00 - 2,000.00			1,231.00	400.00 - 2,000.00
14	5.0m	no.			1,860.00	500.00 -			1,860.00	500.00 -

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15	All steel works including 8 mm full weld Supply and install 200 x 200 x 12.5 x 72.3kg/m Section Hollow Steel	kg			5.20	3.00 - 10.60			5.20	3.00 - 10.60
16	Supply and install 300 x 300 x 16 x 141kg/m Section Hollow Steel	kg			5.20	3.50 - 10.60			5.20	3.50 - 10.60
17	Supply and install 300 x 300 x 12.5 x 112kg/m Section Hollow Steel	kg			5.20	3.50 - 10.60			5.20	3.50 - 10.60
18	Supply 20 mm thick base plate complete with 16 mm diameter HSFG holding down bolt	kg			5.10	2.00 - 10.60			5.10	2.00 - 10.60
19	Supply and install high strength prestressing steel cable min capacity 100kN including all necessary fixing	m			76.50	25.00 - 220.00			76.50	25.00 - 220.00
20	MISCELLANEOUS WORKS Install stainless steel profile for steel cable at pedestrian bridge complete with 10 mm steel cable including all necessary fixing	m			118.30	25.00 - 220.00			118.30	25.00 - 220.00
21	M.S. Trash Screen Supply and install of hot dipped galvanised M.S. Trash Screen.	m2			354.96	120.00 - 800.00			354.96	120.00 - 800.00