

**BAHAGIAN 3.7 : CONCRETE WORK (CLASS I)**

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)
	<b><u>IN SITU CONCRETE DESIGN MIX</u></b>									
	<b><u>Grade C10 Concrete</u></b>									
1	50mm Thick Grade 10/20 lean concrete.	m3			225.96	200.00 - 250.00			225.96	200.00 - 250.00
	<b><u>Grade C15 Concrete</u></b>									
2	50mm thick concrete blinding.	m3			224.63	176.00 - 250.00			224.63	176.00 - 250.00
3	50mm thick lean as specified blinding bed, spread and levelled under pilecap and beams.	m2	12.02	8.00 - 15.00	14.09	12.50 - 16.95			13.06	8.00 - 16.95
4	Insitu concrete blinding to base slab.	m2			11.64	8.00-14.70			11.64	8.00-14.70
5	Supply and lay 75mm thick blinding layer.	m2			13.60	9.00 - 18.00			13.60	9.00 - 18.00
6	Mass concrete for Hooper Slope.	m3			204.00	150.00 - 250.00			204.00	150.00 - 250.00
	<b><u>Grade C30 Concrete</u></b>									
7	In slab	m3	271.50	260.00 - 280.00	269.31	237.00 - 330.00			270.41	237.00 - 330.00
8	In slab, column, roof beam	m3			315.73	266.80 - 360.00			315.73	266.80 - 360.00
9	For Coping	m3			195.66	66.00 - 400.00			195.66	66.00 - 400.00

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	<b><u>Grade C35 Concrete</u></b>									
10	In pilecap, stump and ground beam and ground	m3			335.58	278.60 - 380.00			335.58	278.60 - 380.00
11	Insitu concrete	m3			271.50	240.00 - 300.00			271.50	240.00 - 300.00
	<b><u>Grade C40 Concrete</u></b>									
12	As specified.	m3			287.18	254.00 - 330.00			287.18	254.00 - 330.00
	<b><u>PARAPET</u></b>									
13	Concrete parapet comprising precast concrete section and cast in-situ parapet section complete with and including concrete Grade 40/20, reinforcement, formwork Class F3;16mm x 250mm long H.T. bolt and nut at 500mm centres, mortar, 2 nos x 100mm diameter UPVC Class B service ducts for street lighting cable, 10mm thick preformed joint filler board, 10mm wide x 10mm thick ExpanditeThioflex 600 and	m			333.86	250.00 - 470.00			333.86	250.00 - 470.00
	<b><u>FORMWORK</u></b>									
14	Class F1	m2			36.53	30.00 - 50.00			36.53	30.00 - 50.00
15	Class F1 for buried surfaces.	m2			35.33	18.00 - 45.00			35.33	18.00 - 45.00
16	Class F2.	m2			39.74	27.00- 47.00			39.74	27.00- 47.00
17	To sides of pilecap, stump, beams, slab and column.	m2			31.10	27.00 - 35.00			31.10	27.00 - 35.00

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	<b><u>FORMWORK (cont'd)</u></b>									
18	Supply and fix Type F2 formwork (exposed surfaces); vertical.	m2			34.30	28.00 - 40.00			34.30	28.00 - 40.00
19	Class F3 for exposed surfaces.	m2			47.98	20.00 - 75.00			47.98	20.00 - 75.00
20	Sawn formworks to sides of column stump	m2			34.50	30.00 - 40.00			34.50	30.00 - 40.00
21	25mm Thick cement board permanent	m2			35.93	15.00 - 70.00			35.93	15.00 - 70.00
	<b><u>REINFORCEMENT</u></b>									
	<b><u>Mild Steel bars including all cutting, bending</u></b>									
22	6 mm dia	kg			3.20	3.00 - 3.90			3.20	3.00 - 3.90
23	10 mm dia				3.12	2.70-3.50			3.12	2.70-3.50
24	12 mm dia	kg	3.13	2.80 - 3.50					3.13	2.80 - 3.50
	<b><u>High Tensile bars including all cutting, bending</u></b>									
25	10mm diameter				3.30	2.60 - 4.50			3.30	2.60 - 4.50
26	12mm diameter	kg			3.22	3.00 - 3.50			3.22	3.00 - 3.50
27	16mm diameter	kg			3.22	3.00 - 3.50			3.22	3.00 - 3.50
28	20 mm dia	kg			3.17	2.70-4.00			3.17	2.70-4.00
29	25 mm dia	kg			3.09	2.60-3.50			3.09	2.60-3.50

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30	<b>Supply and lay welded steel fabric</b> BRC A7 (measure nett - no allowance made for laps)				16.68	13.00-24.00			16.68	13.00-24.00
31	BRC A8 (measure nett - no allowance made for laps)	m2	14.84	12.00 - 17.10	19.16	10.00 - 28.00			17.00	12.00 - 28.00
32	BRC A9 (measure nett - no allowance made for laps)	m2			29.20	20.00 - 45.00			29.20	20.00 - 45.00
	<b>CONCRETE ANCILLARIES</b>									
	<b>Joints</b>									
	<b>Construction Joint</b>									
33	12mm construction joint.	m	34.80	15.00 - 60.00	75.14	30.00 - 125.00			54.97	12.00 - 28.00
34	Contraction joint with waterstop.	m	32.82	25.00 - 50.00					32.82	25.00 - 50.00
35	Contraction joint with dowel.	m	35.22	20.00 - 50.00					35.22	20.00 - 50.00
36	Expansion joint	m	29.22	20.00 - 40.00					29.22	20.00 - 40.00