

BAHAGIAN 3.6 : CONCRETE WORK

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	<u>In situ concrete designed mix</u> 50mm Thick lean concrete Grade 15 as specified blinding screed spread and levelled.	m2	12.70	6.50 - 20.00	14.00	10.00 - 15.00			13.35	6.50 - 20.00
2	Supply and lay 75mm thick mass concrete Grade 15 blinding layer.	m2			15.95	11.50 - 18.70			15.95	11.50 - 18.70
3	Supply, place and compact Grade 20 mass concrete for blinding layer of 50 mm thick.	m2			12.51	9.00 - 15.75	255.71	240.00 - 280.00	134.11	9.00 - 280.00
4	Provision and placement of mass concrete Grade 20 between culverts.	m3					260.40	240.00 - 285.00	260.40	240.00 - 285.00
5	Reinforced concrete grade 25 in footing, slab, wall, beams, apron and etc.	m3			266.80	240.00 - 300.00			266.80	240.00 - 300.00
6	Supply, place and compact concrete Grade 30.	m3			279.19	234.52 - 300.00			279.19	234.52 - 300.00
7	Provision and placement 300 mm thk concrete bedding Grade 30 with 1 layer of BMC A10.	m3					323.43	275.00 - 370.00	323.43	275.00 - 370.00

BAHAGIAN 3.6 : CONCRETE WORK

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)
8	Supply, place and compact concrete Grade 35.	m3	293.89	243.10 - 350.00	295.56	265.00 - 330.00			294.73	243.10 - 350.00
9	Supply, place and compact concrete Grade 40.	m3			317.25	265.00 - 400.00	313.26	290.00 - 330.00	315.26	265.00 - 400.00
	Formwork									
10	Supply and place sawn formwork to sides	m2	36.30	26.00 - 55.00	33.69	26.00 - 40.00	32.40	26.00 - 42.00	34.13	26.00 - 55.00
11	Supply, cut to shape, fix in place all struts, braces, permanent formwork , etc. to non-exposed soffit of slab deck.						49.00	25.00 - 75.00	49.00	25.00 - 75.00
12	Supply and fix Type F1 formwork (concealed surfaces); vertical.	m2			34.78	26.00 - 40.00			34.78	26.00 - 40.00
13	Supply and fix Type F2 formwork (exposed surfaces); vertical.	m2			36.83	26.00 - 42.60	31.27	25.00 - 38.00	34.05	25.00 - 42.60
14	Supply and fix Class F3 formwork.	m2			38.66	30.00 - 50.00			38.66	30.00 - 50.00

BAHAGIAN 3.6 : CONCRETE WORK

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)
15	<u>Mild steel reinforcement bar</u> Nominal diameter : 6mm bar.	kg	3.35	2.80 - 3.80					3.35	2.80 - 3.80
16	Nominal diameter : 8mm bar.	kg	3.35	2.80 - 3.80						
	<u>Reinforcement</u> <u>High tensile reinforcement bar</u>									
17	Nominal diameter : 10 mm.	kg	3.35	2.80 - 3.80	3.11	2.90 - 4.00	3.29	3.10 - 3.45	3.25	2.80 - 4.00
18	Nominal diameter : 12 mm.	kg	3.35	2.80 - 3.80	3.15	2.80 - 4.00	3.29	3.10 - 3.45	3.26	2.80 - 4.00
19	Nominal diameter : 16 mm.	kg	3.35	2.80 - 3.80	3.17	2.80 - 4.00	3.29	3.10 - 3.45	3.27	2.80 - 4.00
20	Nominal diameter : 20 mm.		3.32	2.80 - 3.80	3.20	2.80 - 4.00	3.29	3.10 - 3.45	3.27	2.80 - 4.00
21	Nominal diameter : 25 mm.	kg			3.08	2.90 - 4.00			3.08	2.90 - 4.00
22	<u>High tensile steel fabric</u> Supply, cut, bend and lay in-place high tensile steel mesh fabric BRC DA 7 for collection chamber 1550 mm wide x 1100 mm long and wingwall.	m2			19.92	17.50 - 18.00			19.92	17.50 - 18.00

BAHAGIAN 3.6 : CONCRETE WORK

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)
23	Supply, cut, bend and lay in-place high tensile steel mesh fabric BRC A8 for outlet drain structure base slab.	m2			17.46	12.00 - 32.00			17.46	12.00 - 32.00
24	Double layer of BRC reference no. B8 fabric reinforcement to BS 4482 cut to size in concrete (Measured separately) measured nett - no allowance made for laps.	m2	32.50	25.00 - 60.40					32.50	25.00 - 60.40
25	Place into position Single layer of BRC A10 in concrete base.	m2	34.10	15.00 - 45.80	34.62	21.51 - 55.00			34.36	15.00 - 55.00
26	Supply and apply two (2) coats 'Sika' top seal 107 or other approved and equivalent cementitious waterproofing coating at rate of 1.0kg/m2 per coat onto clean and honeycomb-free concrete surface complete with 'Sika Igoflex' rubberised bitumen coating around outlets pipes or other approved and equivalent waterproofing system by an authorised applicator to S.O.'s approval as specified in concrete floor slab (measured nett -no allowance made for laps).	m2	28.03	15.00 - 40.00					28.03	15.00 - 40.00

BAHAGIAN 3.6 : CONCRETE WORK

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)
27	Supply and install in position (as specified at curved joints) 300 mm wide strip Geotextile Polyfelt TS30 or equivalent.	m			6.90	4.00 - 10.00			6.90	4.00 - 10.00
	Precast Concrete									
28	Supply 27m long intermediate and edge pre-stressed reinforced concrete I-beam.	no.					26,607.56	23,363.00 - 36,000.00	26,607.56	23,363.00 - 36,000.00
29	Hoisting, launching and placing in position 27m pre-stressed reinforced concrete I-beam.	no.					5,929.45	6,880.00 - 12,000.00	5,929.45	6,880.00 - 12,000.00
30	Supply 23m long intermediate pre-stressed reinforced concrete I-beam.	no.					21,334.72	17,800.00- 27,600.00	21,334.72	17,800.00- 27,600.00
31	Hoisting, launching and placing in position 23m pre-stressed reinforced concrete I-beam.	no.					6,708.33	4,000.00 - 10,000.00	6,708.33	4,000.00 - 10,000.00
32	Supply 14m long intermediate pre-stressed reinforced concrete I-beam.	no.					12,020.03	10,000.00 - 18,000.00	12,020.03	10,000.00 - 18,000.00
33	Hoisting, launching and placing in position 14m pre-stressed reinforced concrete I-beam.33.	no.					4,175.00	2,000.00 - 6,000.00	4,175.00	2,000.00 - 6,000.00

BAHAGIAN 3.6 : CONCRETE WORK

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)
34	Supply 10m long edge pre-stressed reinforced concrete I-beam.	no.					9,758.23	6,750.00 - 16,000.00	9,758.23	6,750.00 - 16,000.00
35	Hoisting, launching and placing in position 10m pre-stressed reinforced concrete I-beam .	no.					3,340.91	2,500.00 - 4,500.00	3,340.91	2,500.00 - 4,500.00
36	Supply 10m long intermediate and edge pre-stressed reinforced concrete Y-beam.	no.					9,415.00	6,750.00 - 16,000.00	9,415.00	6,750.00 - 16,000.00
37	Hoisting, launching and placing in position 10m pre-stressed reinforced concrete Y-beam.	no.					2,895.26	2,500.00 - 4,500.00	2,895.26	2,500.00 - 4,500.00
38	Supply, fix and cast 25mm dia. Galvanised m.s. dowel bars complete with rubber caps.						81.10	32.40 - 80.00	81.10	32.40 - 80.00
39	Supply and install brass plaque to bridge.	no.					1,156.30	1,050 - 1,200	1,156.30	1,050 - 1,200
40	Supply, transport, store, lay and install precast L-shape units (3200 mm height x 3100 mm width).	m					1,413.30	1,199 - 1,700	1,413.30	1,199 - 1,700