

BAHAGIAN 3.7 : CONCRETE WORK (CLASS I)

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA 2013 (RM)			
			KAWASAN UTARA	KAWASAN TENGAH	KAWASAN TIMUR	KESELURUHAN
IN SITU CONCRETE DESIGNED MIX						
	<u>Concrete Grade 10</u>					
1	50mm Thick Grade 10/20 lean concrete.	m2	10.90	12.30	11.25	11.48
	<u>Concrete Grade 15</u>					
2	50mm thick blinding layer Grade 15.	m2		12.40		12.40
3	Lean concrete blinding, 75 mm thick to footing.	m2		12.80		12.80
4	Mass concrete blinding; Grade 15, 50 mm thick underneath inlet structure.	m2		12.13		12.13
5	Mass concrete blinding; 50 mm thick underneath pipe crossing structure.	m2		11.90		11.90
	<u>Concrete Grade 25</u>					
6	Reinforced concrete to ground slab	m3	275.60	272.85	277.80	275.42
7	Reinforced concrete beams	m3	275.60	272.85	277.80	275.42
8	Reinforced concrete to columns	m3	275.60	272.85	277.80	275.42
9	Reinforced concrete fascia beams	m3		272.85		272.85
10	Reinforced concrete roof slab	m3		272.85		272.85
11	Reinforced concrete ramp	m3		272.85		272.85
	<u>Concrete Grade 30</u>					
12	Cast In-Situ Concrete Grade 30.	m3	285.60	292.00	287.00	288.20
	<u>Construct in-situ concrete lining Grade 30 in drain to section including joint, reinforcement, formwork where necessary and back filling.</u>					
13	Width 300mm, invert depth 600mm.	m		72.00		72.00
14	Width 600mm, invert depth 1050mm.	m		116.00		116.00
15	Supply and construct 600 x 300 mm RC capping beam.	m		173.00		173.00

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	<u>Concrete Grade 35</u>					
16	Reinforced concrete Grade 35.	m3	297.97	310.11		304.04
	<u>Concrete Grade 40</u>					
17	Concrete Grade 40/20.	m3		375.00		375.00
18	Non-shrink grout Grade 40 to be fill in sonic logging tubes as specified.	m3		760.00		760.00
FORMWORK						
19	Class F1 : rough finish	m2	31.20	35.00		33.10
20	Class F1: fair finish.	m2	30.80			30.80
21	Class F1: smooth finish.	m2	32.67			32.67
22	Class F1: Sides; to walls	m2		30.50		30.50
23	Class F2.	m2		48.00		48.00
24	Class F3	m2		43.00		43.00
25	Class F3: 25mm Thick cement board permanent formwork at bottom of deck slab.	m2		81.00		81.00
26	Class F3: Smooth finish to suspended slabs platform of staircase.	m2	33.00			33.00

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REINFORCEMENT						
	<u>Mild Steel Bars</u>					
27	Nominal diameter: 10 mm.	t	3399.33			3399.33
	<u>High Tensile Bars</u>					
28	Nominal diameter: 10 mm.	t	3399.33	3350.00	3128.36	3292.56
29	Nominal diameter: 12 mm.	t	3399.33	3350.00	3128.36	3292.56
30	Nominal diameter: 16 mm.	t	3399.33	3350.00	3128.36	3292.56
31	Nominal diameter: 20 mm.	t	3399.33			3399.33
32	Nominal diameter: 25 mm.	t	3399.33			3399.33
	<u>High Tensile Steel Fabric</u>					
33	BRC DA 10, 12.32 kg/m ²	m ²		20.55		20.55
34	BRC No A10.	m2		23.70		23.70
CONCRETE ANCILLARIES						
	<u>Joints</u>					
35	Expansion joint- 250mm wide PVC water stop as shown in Drawing no. 212379/P2B/RG/S/02. Rate to include 15 mm thick compressible joint filler with sealing compound.	m	77.50			77.50
36	25 mm thick compressable joint filler as shown in Drawing no. 212379/P2B/RG/S/03.	m	56.01			56.01
37	150 mm x 125 mm stoplog guide grooves to details 212379/P2B/RG/S/06. Rate to include all necessary work.	m	70.33			70.33
38	25mm Diameter x 1000mm long galvanised mild steel dowel bar at 300mm centres between abutment and approach slab complete with and including 30mm diameter x 10mm thick bituminous compound around.	no.		175.00		175.00

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39	Construct concrete strut beams at the top of all drain with intervals at 4000mm c/c.	nr		31.43		31.43