

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
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BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Precast Concrete Drain (cont'd)</u>															
7	Allow for the construction and completion of precast concrete drain 3' 0" x 4' 0" including capping beam, excavation backfilling and disposal of excess spoil to contractor's dump site.	No	-	-	-	-	-	230.00	-	-	-	-	-	-	-	230.00
8	Allow for the construction and completion of precast reinforced concrete U-drain concrete lined channel including capping beam															
a	8' 0" x 6' 0" x 4' 0"	No	-	-	-	-	-	1,000.00	-	-	-	-	-	-	-	1,000.00
b	12' 0" x 8' 0" x 4' 0'	No	-	-	-	-	-	1,428.00	-	-	-	-	-	-	-	1,428.00
c	3050 mm x 2000 mm x 1200 mm	No	-	-	-	-	-	1,650.00	-	-	-	-	-	-	-	1,650.00
d	3300 mm x 3050 mm x 1000 mm	No	-	-	-	-	-	1,200.00	-	-	-	-	-	-	-	1,200.00
e	3600 mm x 2000 mm x 1200 mm	No	-	-	-	-	-	1,800.00	-	-	-	-	-	-	-	1,800.00
9	Supply, deliver and construct precast U drain including cement mortar, excavation and all other necessary works.															
a	750 mm x 750 mm	M	-	-	-	-	-	-	-	170.00	-	-	-	-	-	170.00
b	1200 mm x 750 mm	M	-	-	-	-	-	-	-	-	-	191.00	-	-	-	191.00
c	1500 mm x 900 mm	M	-	-	-	-	-	-	-	-	-	256.00	-	-	-	256.00

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			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Precast Concrete Drain (cont'd)</u>															
10	Precast reinforced concrete U drain jointed in cement mortar (1 : 3)															
a	Drain size 1200 mm x 1200 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	196.00	-	196.00
b	Drain size 1500 mm x 1500 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	246.00	-	246.00
c	Drain size 2100 mm x 2100 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	480.00	-	-	-	480.00
d	Drain size 2400 mm x 2100 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	400.00	-	400.00
e	Drain size 2700 mm x 2100 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	685.00	-	685.00
f	Drain size 3000 mm x 2700 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	613.00 - 790.00	701.50	613.00 - 790.00	701.50
g	Drain size 3300 mm x 2100 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	723.00	-	723.00
h	Drain size 3300 mm x 2700 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	1,080.00	-	1,080.00
11	Supply, deliver to site handle and lay to specified set and level 1000 mm wide reinforced precast U-shape drain unit with internal size 3000 mm width internal size 3000 mm	No	-	-	-	-	-	-	-	960.00	-	-	-	-	-	960.00

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			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Precast Concrete Drain (cont'd)</u>															
12	Supply, lay and joint approved precast concrete L drain sections size 1.95 m x 2.4 m	M	-	-	-	640.00	-	-	-	-	-	-	-	-	-	640.00
13	Precast reinforced concrete drain jointed in cement mortar (1 : 3)															
a	Drain size 900 mm x 1500 mm	M	-	-	-	-	-	-	-	-	-	-	-	240.00	-	240.00
b	Drain size 1200 mm x 2000 mm	M	-	-	-	-	-	-	-	-	-	-	-	385.00	-	385.00
c	Drain size 1500 mm x 2000 mm	M	-	-	-	-	-	-	-	-	-	-	-	400.00	-	400.00
d	Drain size 2400 mm x 2400 mm x 1000 mm	No	-	-	-	-	-	-	-	-	-	-	-	605.00	-	605.00
e	Drain size 3000 mm x 2400 mm x 1000 mm	M	-	-	-	-	-	-	-	-	-	-	-	660.00	-	660.00
f	Drain size 3650 mm x 2400 mm x 1000 mm	M	-	-	-	-	-	-	-	-	-	-	-	810.00	-	810.00

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			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Precast Concrete Culvert</u>															
1	900 mm x 900 mm box culvert with plain butt joint.	M	-	-	-	-	-	-	-	750.00	-	-	-	-	-	750.00
2	Precast concrete box culvert of dimensions 2.1 m x 2.1 m x 1.0 m.	No	-	-	-	-	-	-	970.00 - 1,800.00	1,385.00	-	-	-	-	970.00 - 1,800.00	1,385.00
3	Supply, deliver to site, handle and lay approved reinforced precast box culvert size 3000 mm x 2400 mm with slab lid including lean concrete, compacted sand as bedding, cement grouting etc.	M	-	-	-	-	-	-	-	2,250.00	-	-	-	-	-	2,250.00
4	Standard precast box culvert including lid section ;															
a	Box culvert size 1200 mm x 1050 mm	M	-	-	-	-	-	-	-	-	-	-	-	455.00	-	455.00
b	Box culvert size 900 mm x 900 mm	M	-	-	-	-	-	-	-	395.00	-	-	-	325.00	325.00 - 395.00	360.00
5	Precast single reinforced concrete box culvert of approved specified product of size :															
a	3000 mm x 2700 mm x 10 m length	No	-	-	-	-	-	-	-	-	-	-	-	23,600.00	-	23,600.00
b	2400 mm x 1500 mm x 10 m length	No	-	-	-	-	-	-	-	-	-	-	-	15,500.00	-	15,500.00

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			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Precast Concrete Culvert (cont'd)</u>															
13	Supply and fix box culvert including cement mortar, excavation filling, crusher run and all other necessary works															
a	1200 mm x 750 mm	M	-	-	-	-	-	-	-	-	-	476.00	-	-	-	476.00
b	1200 mm x 1200 mm	M	-	-	-	-	-	-	-	-	-	530.00	-	-	-	530.00
c	2400 mm x 1500 mm	No	-	-	-	-	-	-	-	-	-	1,795.00	-	-	-	1,795.00
14	Supply, transport and lay culvert 900 mm x 1.5 m long Class S for crossing.	No	-	-	-	250.00	-	-	-	-	-	-	-	-	-	250.00
15	Supply and lay single 1.5 m diameter Class X pipe culvert with butt and collar joints inclusive of excavation handling, bedding, backfilling, compaction and disposal of material.	M	-	-	-	480.00	-	-	-	-	-	-	-	-	-	480.00
16	Supply and construct culvert 1.50 m diameter Hume Class X including collar joint, cement mortar, excavation, filling, crusher run etc.	M							-	1,200.00	-	-	-	-	-	1,200.00
17	Supply and lay 600 mm diameter class X precast concrete culverts including concrete bedding.	M	-	-	-	-	-	130.00	-	-	-	-	-	-	-	130.00
18	Ditto 900 mm ditto	M	-	-	-	-	-	180.00	-	-	-	-	-	-	-	180.00

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	<u>Precast Concrete Culvert (cont'd)</u>															
19	600 mm diameter drainage culvert class Y including excavation, backfilling and jointing.	M	-	-	-	-	-	-	-	250.00	-	-	-	-	-	250.00
20	Supply, deliver to site, handle and lay approved r.c precast round culverts class Y 600 mm diameter with collar including excavation and backfilling lean concrete, concrete base with concrete haunching, collar encase with concrete.	M	-	-	-	-	-	200.00	-	-	-	-	-	-	-	200.00

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	<u>Precast Concrete Slab</u>															
1	Supply and lay 50 mm thick precast slabs (Grade 20 - 19 mm aggregate) in the following tertiary canals, reinforced with BMC No. DA 4 and jointed with 1 : 3 cement mortar including excavation of canals,depositing, trimming and compacting the excavated spoils and the outer slope of the bund to alignment, slopes, levels and dimensions to form trapezoidal section :															
a	0.300 m wide bed by 0.750 wide side	M	-	40.50	-	-	-	-	-	-	-	-	-	-	-	40.50
b	0.375 m wide bed by 1.050 wide side	M	-	55.50	-	-	-	-	-	-	-	-	-	-	-	55.50
c	0.450 m wide bed by 0.975 wide side	M	-	54.00	-	-	-	-	-	-	-	-	-	-	-	54.00
d	0.450 m wide bed by 1.050 wide side	M	-	57.40	-	-	-	-	-	-	-	-	-	-	-	57.40
e	0.600 m wide bed by 1.050 wide side	M	-	60.50	-	-	-	-	-	-	-	-	-	-	-	60.50
f	0.600 m wide bed by 1.125 wide side	M	-	64.00	-	-	-	-	-	-	-	-	-	-	-	64.00
g	0.600 m wide bed by 1.200 wide side	M	-	67.50	-	-	-	-	-	-	-	-	-	-	-	67.50

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	<u>...(cont'd)...</u>															
4	Precast reinforced concrete Grade 25 in units of 50 mm thick reinforced with BRC DA4 laid in maid up trapezoidal trench and jointed in cement mortar (1 : 2) to form trapezoidal section canal of the following dimensions (excavation measured separately)															
a	500 mm bed width/625 mm depth of water/150 mm free board/1:1 side slope	M	-	-	-	-	-	-	-	-	-	-	-	45.00	-	45.00
b	600 mm bed width/700 mm depth of water/150 mm free board/1:1 side slope	M	-	-	-	-	-	-	-	-	-	-	-	56.00	-	56.00

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	<u>Precast Concrete 'L' Shape Unit (cont'd)</u>															
6	Supply, handle and lay approved precast rc reverse L unit for retaining wall including all jointing with cement mortar starter bar for capping beam etc. (cont'd)															
c	1000 mm wide with overall size 3600 mm x 2900 mm long base slab.	No	-	-	-	-	-	950.00	-	-	-	-	-	-	-	950.00

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	<u>Insitu Concrete</u>															
1	Lean concrete (Grade 15)	M3	150.00 - 200.00	175.00	-	-	107.00 - 140.00	124.25	-	-	140.00 - 200.00	170.00	-	-	107.00 - 200.00	156.42
2	Vibrated reinforced concrete as described / including all necessary formwork.															
a	Grade 7	M3	-	-	-	-	-	-	-	-	-	-	-	160.00	-	160.00
b	Grade 10	M3	-	-	-	-	-	-	-	-	-	-	150.00 - 200.00	175.00	150.00 - 200.00	175.00
c	Grade 15	M3	-	-	-	-	200.00 - 250.00	225.00	-	-	-	-	100.00 - 124.00	112.00	100.00 - 250.00	168.50
d	Grade 20	M3	-	-	-	-	-	-	-	-	-	170.00	-	-	-	170.00
e	Grade 25	M3	250.00 - 375.00	312.50	-	-	-	-	-	-	-	-	155.00 - 210.00	182.50	155.00 - 375.00	247.50
f	Grade 30	M3	-	-	-	-	200.00 - 300.00	250.00			220.00 - 350.00	285.00	-	-	200.00 - 350.00	267.50
g	Grade 40	M3	-	-	-	-	-	-	-	-	-	-	-	195.00	-	195.00
h	Grade 20 / 30	M3	-	-	-	-	-	-	-	-	-	-	230.00 - 250.00	240.00	230.00 - 250.00	240.00
l	Grade 25 / 20	M3	-	-	-	-	-	-	-	-	-	-	-	350.00	-	350.00

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	<u>Insitu Concrete (cont'd)</u>															
3	Supply, place and compact grade 25/20 concrete to capping beam of concrete drain including all necessary formwork and reinforcement.	M3	-	-	-	-	-	190.00	-	200.00	-	-	-	-	190.00 - 200.00	195.00
4	150 mm thick concrete slab grade 25/20 including formwork, BRC A 10, sand bedding and 75 mm thick lean concrete.	M3	-	-	-	-	-	-	-	100.00	-	-	-	-	-	100.00
5	Construct sump concrete Grade 30 with BRC B 10 and including all necessary works.															
a	2700 mm x 2400 mm x 2000 mm	No	-	-	-	-	-	-	-	-	-	2,600.00	-	-	-	2,600.00
b	2700 mm x 2400 mm x 3000 mm	No	-	-	-	-	-	-	-	-	-	3,150.00	-	-	-	3,150.00
c	2700 mm x 2400 mm x 3300 mm	No	-	-	-	-	-	-	-	-	-	3,300.00	-	-	-	3,300.00
d	3000 mm x 2400 mm x 3600 mm	No	-	-	-	-	-	-	-	-	-	3,900.00	-	-	-	3,900.00
6	To construct sump 1250 mm x 1250 mm internal dimension with 250 mm thick reinforced concrete base and 230 mm brickwall including excavation, backfilling and plastering of exposed surfaces.	No	-	-	-	-	-	-	-	1,000.00	-	-	-	-	-	1,000.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

[illegible]

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
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Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Formwork (cont'd)</u>															
3	Supply and fix formwork Class F2 finish at any inclination including removal to sides of curtain walls, wingwalls, transition slabs, deckslabs, diapghrams, bankseats and parapet walls.	M2	-	-	-	-	-	-	-	-	-	40.00	-	-	-	40.00
4	Ditto to soffit of deckslab.	M2	-	-	-	-	-	-	-	-	-	35.00	-	-	-	35.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
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Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Reinforcement</u>															
1	High tensile steel reinforcement to BS 4449 as described :															
a	10 mm diameter.	Kg	1.60 - 2.00	1.80	-	-	1.70 - 2.00	1.85	-	-	-	1.80	-	-	1.60 - 2.00	1.82
b	12 mm diameter	Kg	1.60 - 2.00	1.80	-	-	1.70 - 2.50	2.10	-	1.90	1.80 - 2.00	1.90	1.55 - 2.00	1.78	1.55 - 2.50	1.89
c	16 mm diameter	Kg	1.50 - 2.00	1.75	-	1.70	1.50 - 2.00	1.75	-	-	-	2.00	1.55 - 2.00	1.78	1.50 - 2.00	1.80
d	20 mm diameter	Kg	1.50 - 1.90	1.70	-	-	1.70 - 2.00	1.85	-	1.80	-	2.00	-	-	1.50 - 2.00	1.84
e	25 mm diameter	Kg	1.50 - 2.00	1.75	-	1.70	1.70 - 2.00	1.85	-	-	-	-	-	-	1.50 - 2.00	1.76
f	32 mm diameter	Kg	-	-	-	-	1.70 - 1.80	1.75	-	-	-	-	-	-	1.70 - 1.80	1.75
2	Mild steel reinforcement to BS 4449 as described															
a	6 mm diameter	Kg	-	-	-	-	-	2.00	-	1.80	-	-	1.65 - 2.00	1.83	1.65 - 2.00	1.88
b	8 mm diameter links	Kg	-	1.90	-	-	-	-	-	-	-	1.80	-	-	1.80 - 1.90	1.85
c	10 mm diameter to slab	Kg	-	1.90	-	-	-	-	-	-	-	-	1.70 - 2.00	1.88	1.70 - 2.00	1.89
d	12 mm diameter	Kg	-	-	1.65 - 2.00	1.83	-	1.90	-	-	-	-	1.75 - 1.95	1.85	1.65 - 2.00	1.86

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
 SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu & Kelantan
N. Sembilan & Melaka	

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Reinforcement (cont'd)</u>															
2	Mild steel reinforcement to BS 4449 as described (cont'd)															
e	16 mm diameter	Kg	-	-	1.65 - 2.00	1.83	1.85	1.85	-	-	-	-	1.80 - 1.95	1.88	1.65 - 2.00	1.85
3	Supply and lay steel fabric reinforcement to concrete including cutting and placing in position, well lapped at joints (measured nett-allows for laps)															
a	BMC A5	M2	-	-	-	-	-	12.00	-	-	-	-	-	-	12.00	12.00
b	BMC A6	M2	-	4.50	6.00 - 9.00	7.50	-	14.00	-	-	-	-	-	12.00	4.50 - 14.00	9.50
c	BMC A7	M2	-	-	-	-	-	-	-	-	-	-	-	10.00	10.00	10.00
d	BMC A8	M2	-	10.00	-	-	-	10.00	-	-	-	-	8.00 - 16.00	12.00	8.00 - 16.00	10.67
e	BMC A10	M2	-	-	-	-	-	13.00	-	-	-	13.00	12.00 - 21.00	16.50	12.00 - 21.00	14.17
f	No. A393	M2	-	-	-	-	-	-	-	-	-	-	12.00 - 18.00	15.00	12.00 - 18.00	15.00
g	BMC B10	M2	-	-	-	-	-	-	-	-	22.00 - 25.00	23.50	-	-	22.00 - 25.00	23.50
h	BMC B12	M2	-	-	-	-	-	-	-	20.00	-	-	-	-	-	20.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

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BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor N. Sembilan & Melaka	Kawasan F - Terengganu & Kelantan

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SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor N. Sembilan & Melaka	Kawasan F - Terengganu & Kelantan

[illegible]

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
 SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

Kawasan A - Perlis, Kedah & P. Pinang	Kawasan D - Johor
Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	Miscellaneous															
16	Provide and fix in position 240 mm wide, 13 mm thick PVC (Expendite) rubber stop board joint filler and rubber/bitumen sealing compound in expansion joint.	M	-	-	-	-	-	170.00	-	-	-	-	-	-	-	170.00
17	Expansion joint	M	-	-	-	-	-	-	-	-	-	-	5.10 - 30.00	17.55	5.10 - 30.00	17.55
18	Apply two coats of approved type bituminous waterproofing compound.	M2	-	-	-	-	-	-	-	-	-	-	-	12.00	-	12.00
19	Supply and fix 12 mm thick approved compressible joint fillet with Thioflex 600.	M	-	15.00	-	-	-	-	-	-	-	-	-	-	-	15.00
20	Supply and fix 150 mm wide and 12 mm thick equivalent rubber strip at the soffit of approach slab	M	-	50.00	-	-	-	-	-	-	-	-	-	-	-	50.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
 SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

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Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	Concrete pipe															
1	Supply and lay precast reinforced concrete pipe, Hume Class X or equivalent with precast concrete collar including handling, jointing and forming fillets all round at each end of collars with cement mortar (1 : 2)															
a	600 mm diameter	M	-	140.00	-	-	-	-	-	-	-	-	-	-	-	140.00
b	900 mm diameter	M	-	250.00	-	-	-	-	-	-	-	-	-	-	-	250.00
2	1200 mm diameter precast concrete pipe class Y standard Hume.	M	-	-	-	340.00	-	-	-	-	-	-	-	-	-	340.00
3	900 mm diameter x 1520 mm long precast reinforced pipework Hume Class S including jointing in cement mortar (1 : 2) with standard collars.	No.	-	-	-	-	-	-	-	-	-	-	200.00 - 300.00	250.00	200.00 - 300.00	250.00
4	1200 mm diameter x 1520 mm Class X with related joints spun reinforced concrete, standard precast Hume pipe.	M	-	-	-	-	-	-	-	-	-	-	-	500.00	-	500.00
5	Supply, handle and lay approved 1050 mm diameter x 1520 mm long precast reinforced concrete pipes to MS 881 Class with rebated joint or equivalent to specified level.	M	-	-	-	340.00	-	-	-	-	-	-	-	-	-	340.00
6	Supply and install 150 mm diameter concrete perforated subsoil drainage pipe.	M	-	30.00	-	-	-	-	-	-	-	-	-	-	-	30.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
 SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

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Kawasan B - Perak	Kawasan E - Pahang
Kawasan C - WP.KL.,Selangor	Kawasan F - Terengganu
N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Mildsteel Pipe</u>															
1	Supply and install pump column of galvanised MS pipe 600 mm diameter x 9 mm thick inclusive of all necessary temporary works, cofferdams, flanges, supporting brackets, pump seats, bolts, painting with two coats of coal tar epoxy and drilling bolt holes wherever necessary.	M	-	2,500.00	-	-	-	-	-	-	-	-	-	-	-	2,500.00
2	Supply and install galvanised MS discharge pipe of 400 mm internal diameter x 6mm thick inclusive of flanges, bolt, painting with two coats of coal tar epoxy.	M	-	600.00	-	-	-	-	-	-	-	-	-	-	-	600.00
3	Supply and install galvanised MS delivery pipe of 400 mm internal diameter x 6mm thick inclusive of all necessary bends, flanges joints, painting with two coats of coal tar epoxy, excavation, backfilling and 100 mm thick sand bedding.	M	-	600.00	-	-	-	-	-	-	-	-	-	-	-	600.00
4	Supply and fix galvanised MS pipe :															
a	38 mm diameter	M	-	-	-	-	-	-	-	-	-	-	-	24.00	-	24.00
b	31 mm diameter	M	-	-	-	-	-	-	-	-	-	-	-	21.00	-	21.00
c	25 mm diameter	M	-	-	-	-	-	-	-	-	-	-	-	20.00	-	20.00
d	19 mm diameter	M	-	-	-	-	-	-	-	-	-	-	-	19.00	-	19.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
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N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>PVC Pipe</u>															
1	Supply and install 100 mm diameter hlf round uPVC pipe for drainage outlets in abutments.	M	-	40.00	-	-	-	-	-	-	-	-	-	-	-	40.00
2	Supply, handle and lay 6" diameter UPVC pipe Grade B including all necessary excavation and backfilling	M	-	-	-	-	-	20.00	-	-	-	-	-	-	-	20.00
3	Supply and built into concrete approved PVC vent pipe for the following :						-									
a	100 mm diameter	M	-	30.00	-	-	-	-	-	-	-	-	-	-	-	30.00
b	150 mm diameter	M	-	45.00	-	-	-	-	-	-	-	-	-	-	-	45.00
4	150 mm diameter PVC pipe UV resistant Class D complete with standard collars and rubber rings.	M			-	66.00	-	-	-	-	-	-	-	-	-	66.00
5	Provide 150 mm diameter perforated PVC seepage pipe.	M	-	-	-	-	-	15.00	-	-	-	-	-	-	-	15.00
6	Provide 100 mm diameter PVC outlet drain pipes with provision of 150 mm x 100 mm reducer sockets joints.	M	-	-	-	-	-	15.00	-	-	-	-	-	-	-	15.00
7	Supply and install 75 mm diameter PVC pipe for drainage outlets.	M	-	-	-	-	-	18.00	-	-	-	-	-	-	-	18.00
8	Install 75 mm diameter 600 mm long PVC outlet drain pipe at 3000 mm centres.	No.	-	-	-	-	-	15.00	-	-	-	-	-	-	-	15.00

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
 SUB-BAHAGIAN : 3.4 - CONCRETE WORKS

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N. Sembilan & Melaka	& Kelantan

BIL.	KETERANGAN KERJA	UNIT	KAWASAN A		KAWASAN B		KAWASAN C		KAWASAN D		KAWASAN E		KAWASAN F		KESELURUHAN	
			JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)
	<u>Miscellaneous</u>															
1	Supply and install weephole in precast concrete L-wall comprising PVC pipe in 75mm. Diameter by 325 mm long maximum and aggregates wrapped with filter membrane.	No	-	28.00	-	-	-	-	-	-	-	-	-	-	-	28.00
2	Supply and install 75 mm diameter weepholes inclusive of excavation, filter material and PVC pipe.	No.	-	20.00	-	-	-	-	-	-	-	-	-	-	-	20.00
3	Weepholes in reinforced concrete wall comprising of 75 mm diameter PVC pipe.	No	-	15.00	-	-	-	-	-	-	-	-	-	-	-	15.00
4	Supply and fix 100 mm diameter x 1.5 m long PVC pipe weephole	No	-	-	-	-	-	-	-	-	-	40.00	-	-	-	40.00
5	Ditto 100 mm diameter x 0.5 m ditto	No	-	-	-	-	-	-	-	-	-	20.00	-	-	-	20.00