

BAHAGIAN : 3.0 - KOS ITEM-ITEM KERJA
 SUB-BAHAGIAN : 3.5 - PIPEWORKS

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>Concrete Pipe</u>															
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
c	1200 mm Diameter but class Y standard Hume.	M	-	-	-	340.00	-	-	-	-	-	-	-	-	-	340.00
d	900 mm Diameter x 1520 mm long .	No.	-	-	-	-	-	-	-	-	-	-	200.00 - 300.00	250.00	200.00 - 300.00	250.00
e	1200 mm Diameter x 1520 mm Class X spun reinforced concrete pipe	No	-	-	-	-	-	-	-	-	-	-	-	500.00	-	500.00
2	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
3	Supply and install 150 mm diameter concrete perforated subsoil drainage pipe.	M	-	30.00	-	-	-	-	-	-	-	-	-	-	-	30.00

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	<u>Galvanised Mild Steel</u>															
1	Supply and install 600 mm x 9 mm Thick as pump column inclusive of all necessary temporary works, cofferdam flanges, supporting brackets, pump seats, bolts, painting 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 as 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 as 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	19 mm Diameter	M	-	-	-	-	-	-	-	-	-	-	-	19.00	-	19.00
b	25 mm Diameter	M	-	-	-	-	-	-	-	-	-	-	-	20.00	-	20.00
c	31 mm Diameter	M	-	-	-	-	-	-	-	-	-	-	-	21.00	-	21.00
d	38 mm Diameter	M	-	-	-	-	-	-	-	-	-	-	-	24.00	-	24.00

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	<u>PVC Pipe</u>															
1	Install 75 mm diameter 600 mm long PVC outlet drain pipe	No.	-	-	-	-	-	15.00	-	-	-	-	-	-	-	15.00
2	Supply and install 75 mm diameter PVC pipe for drainage outlets.	M	-	-	-	-	-	18.00	-	-	-	-	-	-	-	18.00
3	Supply and install 100 mm diameter half round uPVC pipe for drainage outlets in abutments.	M	-	40.00	-	-	-	-	-	-	-	-	-	-	-	40.00
4	Provide 100 mm diameter PVC outlet drain pipes with provision of 150 mm x 100 mm reducer sockets joints.	M	-	-	-	-	-	15.00	-	-	-	-	-	-	-	15.00
5	Provide 150 mm diameter perforated PVC seepage pipe.	M	-	-	-	-	-	15.00	-	-	-	-	-	-	-	15.00
6	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
7	150 mm diameter PVC pipe UV resistant Class D complete with standard collars and rubber rings.	M			-	66.00	-	-	-	-	-	-	-	-	-	66.00

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	<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