

3.0 KOS ITEM-ITEM KERJA

3.6 PIPEWORKS

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA KERJA BAGI TAHUN		*PURATA KADAR HARGA KERJA
			2008 (RM)	2009 (RM)	(RM)
A	<u>Precast RC Pipe</u>				
1	Supply and lay precast RC pipe	M	230.00	60.00	145.00
B	<u>PVC Pipe</u>				
1	Supply, lay and joint PVC pipe; 50mm diameter	M	17.00	-	17.00
2	Install 100mm diameter PVC pipes in trenches depth exceeding 1.50m length including all necessary works	M	26.25	-	26.00
C	<u>Precast Concrete Pipe Culvert</u>				
1	Supply, handle and lay precast concrete pipe culvert; size 0.6m diameter x 9m	NO	1350.00	-	1350.00
2	Supply, handle and lay precast concrete pipe culvert; size 0.75m diameter x 6m	NO	3800.00	-	3800.00
3	Supply, handle and lay precast concrete pipe culvert; size 0.9m diameter x 7m	NO	2950.00	-	2950.00
4	Construct and complete precast concrete pipe culvert; 900mm diameter including all necessary works	M	295.00	-	295.00
5	Construct and complete precast concrete pipe culvert; 1200mm diameter including all necessary works	M	675.00	600.00	638.00
6	Construct and complete precast concrete pipe culvert; 1500mm diameter including all necessary works	M	840.00	760.00	800.00

* Purata Keseluruhan (rounded up) yang ditetapkan

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			2008 (RM)	2009 (RM)	(RM)
D	<u>HDPE Pipe</u>				
1	Supply, lay and joint HDPE pipe; 25mm diameter	M	20.00	-	20.00
2	Supply, lay and joint HDPE pipe; 600mm diameter	M	350.00	-	350.00
3	Supply, lay and joint HDPE corrugated pipe; 65mm diameter	M	60.00	60.00	60.00
E	<u>Bend, Valve & Other Accessories</u>				
1	Supply, lay and install plain ended pipe; 100 x 150mm diameter	M	10.00	10.00	10.00
2	Supply, lay and install plain ended pipe; 200 x 300mm diameter	M	12.00	12.00	12.00
3	Supply, lay and install flanged branch tee; 400mm x 200mm nominal diameter invert level	NO	415.80	415.80	416.00
4	Supply, lay and install flanged branch tee; 400mm x 250mm nominal diameter invert level	NO	250.00	250.00	250.00
5	Supply, lay and install flanged branch tee; 450mm x 200mm nominal diameter invert level	NO	491.40	491.40	491.00
6	Supply, lay and install flanged branch tee; 450mm x 250mm nominal diameter invert level	NO	350.00	350.00	350.00
7	Supply, lay and install flanged branch tee; 900mm x 200mm nominal diameter invert level	NO	1379.70	1379.70	1380.00

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			2008 (RM)	2009 (RM)	(RM)
8	Supply, lay and install flanged branch tee; 900mm x 250mm nominal diameter invert level	NO	500.00	500.00	500.00
9	Supply, lay and install flanged branch tee; 1000mm x 200mm nominal diameter invert level	NO	1988.00	1988.00	1988.00
10	Supply, lay and install flanged branch tee; 1000mm x 250mm nominal diameter invert level	NO	550.00	550.00	550.00
11	Supply, lay and install plain ended bend; 45 degree x 100 - 150mm nominal diameter	NO	250.00	250.00	250.00
12	Supply, lay and install plain ended bend; 45 degree x 200 - 300mm nominal diameter	NO	250.00	250.00	250.00
13	Supply, lay and install plain ended bend; 45 degree x 400 - 500mm nominal diameter	NO	350.00	350.00	350.00
14	Supply, lay and install plain ended bend; 45 degree x 900mm nominal diameter	NO	500.00	500.00	500.00
15	Supply, lay and install plain ended bend; 45 degree x 1000mm nominal diameter	NO	550.00	550.00	550.00
16	Supply and install 100mm diameter double flange air valve	NO	-	610.00	610.00
17	Supply and install 150mm diameter double flange air valve	NO	650.00	650.00	650.00

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			2008 (RM)	2009 (RM)	(RM)
18	Supply and install 200mm diameter double flange air valve	NO	700.00	700.00	700.00
19	Supply and install 150mm diameter double flange sluice valve	NO	633.00	633.00	633.00
20	Supply and install 200mm diameter double flange sluice valve	NO	1200.00	1200.00	1200.00
21	Supply and install 250mm diameter double flange sluice valve	NO	1715.85	1715.85	1716.00
22	Supply and install 150mm diameter steel flanged adaptor	NO	124.93	124.93	125.00
23	Supply and install 200mm diameter steel flanged adaptor	NO	199.90	199.90	200.00
24	Supply and install 250mm diameter steel flanged adaptor	NO	230.68	230.68	231.00
25	Supply and install collar joints on 150mm diameter nominal steel pipes	NO	68.00	68.00	68.00
26	Supply and install collar joints on 200 - 300mm diameter nominal steel pipes	NO	101.50	101.50	102.00
27	Supply and install collar joints on 400 - 500mm diameter nominal steel pipes	NO	191.50	191.50	192.00
28	Supply and install collar joints on 900mm diameter nominal steel pipes	NO	406.00	406.00	406.00
29	Supply and install collar joints on 1000mm diameter nominal steel pipes	NO	450.00	450.00	450.00

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			2008 (RM)	2009 (RM)	(RM)
30	Supply and install mild steel collars for 150mm diameter plain ended pipe	NO	56.70	56.70	57.00
31	Supply and install mild steel collars for 200 - 300mm diameter plain ended pipe	NO	77.63	77.63	78.00
32	Supply and install mild steel collars for 400 - 500mm diameter plain ended pipe	NO	203.85	203.85	204.00
33	Supply and install mild steel collars for 900mm diameter plain ended pipe	NO	562.95	562.95	563.00
34	Supply and install mild steel collars for 1000mm diameter plain ended pipe	NO	616.95	616.95	617.00
35	Supply and install joints; dowels; 25mm diameter including all necessary works	NO	25.00	-	25.00
36	Supply and install slip joints on 400 - 500mm diameter socket spigot pipes	NO	191.50	191.50	192.00
37	Supply and install slip joints on 900mm diameter socket spigot pipes	NO	400.00	400.00	400.00
38	Supply, lay and install socket and spigot ended; size 400 - 500mm nominal	M	25.00	25.00	25.00
39	Supply, lay and install socket and spigot ended; size 900mm nominal diameter	M	40.00	40.00	40.00
40	Supply, lay and install socket and spigot ended; size 1000mm nominal diameter	M	50.00	50.00	50.00

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