



SIARAN KHAS 1
Special Release

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

(UNTUK KERJA-KERJA KEJURUTERAAN AWAM)
(For Civil Engineering Works)

JULAI 2016
JULY

JABATAN PERANGKAAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA

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KANDUNGAN
CONTENTS

Muka Surat
Page

Jadual 1 <i>Table 1</i>	: Harga unit purata bagi bar keluli dan simen <i>: Average unit prices for steel bars and cement</i>	1
Jadual 2 <i>Table 2</i>	: Harga unit purata bagi bitumen, minyak bahan api dan diesel <i>: Average unit prices for bitumen, fuel oil and diesel</i>	5
Jadual 3 <i>Table 3</i>	: Harga unit purata bagi : <i>: Average unit prices for :</i> -Pasir/Sand -Batu baur/Aggregates -Premix -Fabric Reinforcement -Guardrail -Paip air/Water pipe -Paip pementungan/Sewerage pipe	7
Lampiran A <i>Appendix A</i>	Jadual faktor pelarasan bagi paip air & paip pementungan <i>Adjustment factor table for water pipe & sewerage pipe</i>	31
Nota Teknikal <i>Technical Notes</i>		39
Jadual tarikh pengeluaran Siaran Khas 1 (Untuk Kerja-kerja Kejuruteraan Awam), Semenanjung Malaysia, Januari-Disember 2016 <i>Schedule of release dates for Special Release 1 (For Civil Engineering Works), Peninsular Malaysia, January-December 2016</i>		40

JADUAL
TABLE

Jadual 1: Harga unit purata bagi bar keluli dan simen*Table 1: Average unit prices for steel bars and cement*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(1) Bar Bulat Keluli Lembut BS-4449 <i>Mild Steel Round Bars BS-4449</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
10mm (3/8")	2015 Jul	2246.19	2355.59	2699.96
	Ogos	2160.14	2355.59	2688.21
	Sept	2112.29	2333.79	2674.03
	Okt	2082.58	2299.02	2674.03
	Nov	2033.98	2275.21	2657.21
	Dis	1982.81	2258.94	2623.71
	2016 Jan	1969.16	2240.48	2593.93
	Feb	1980.04	2238.56	2581.34
	Mac	1975.84	2191.40	2581.34
	Apr	2037.80	2213.60	2636.98
	Mei	2109.31	2276.49	2693.56
	Jun	2155.81	2257.82	2663.17
	Jul	2177.52	2210.67	2607.39
12mm (1/2")	2015 Jul	2241.98	2376.20	2699.84
	Ogos	2162.91	2376.20	2688.09
	Sept	2115.06	2353.81	2673.97
	Okt	2085.35	2344.45	2673.96
	Nov	2036.75	2335.08	2657.84
	Dis	1990.58	2335.08	2630.84
	2016 Jan	1960.73	2335.08	2593.93
	Feb	1966.41	2332.81	2581.34
	Mac	1963.79	2273.62	2581.34
	Apr	2025.25	2299.86	2636.98
	Mei	2095.41	2351.10	2693.56
	Jun	2124.16	2362.34	2663.17
	Jul	2125.30	2314.37	2607.39
16mm (5/8")	2015 Jul	2143.01	2335.80	2586.94
	Ogos	2087.46	2335.80	2578.14
	Sept	2028.01	2310.64	2563.09
	Okt	2004.52	2305.42	2541.74
	Nov	1952.89	2300.19	2541.65
	Dis	1903.44	2300.19	2506.15
	2016 Jan	1888.70	2300.19	2494.07
	Feb	1895.60	2297.69	2481.57
	Mac	1904.52	2238.01	2481.57
	Apr	1939.87	2272.33	2546.99
	Mei	2007.93	2333.68	2612.32
	Jun	2046.93	2306.18	2556.65
	Jul	2076.32	2263.43	2507.27

Jadual 1: Harga unit purata bagi bar keluli dan simen (samb.)*Table 1: Average unit prices for steel bars and cement (cont'd)*

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
(1) Bar Bulat Keluli Lembut BS-4449 (samb.)		RM Per Tan Metrik		
<i>Mild Steel Round Bars BS-4449 (cont'd)</i>		<i>RM Per Metric Ton</i>		
20mm–25mm (3/4"–1")	2015 Jul	2198.27	2369.32	2622.23
	Ogos	2171.91	2369.32	2622.39
	Sept	2135.41	2343.78	2612.46
	Okt	2108.75	2336.52	2601.94
	Nov	2070.74	2329.26	2601.86
	Dis	2057.12	2329.26	2601.86
	2016 Jan	2056.30	2329.26	2594.36
	Feb	2063.10	2326.83	2583.28
	Mac	2045.48	2296.45	2583.78
	Apr	2069.43	2327.38	2614.94
	Mei	2135.73	2347.10	2650.72
	Jun	2167.17	2369.54	2643.44
	Jul	2188.29	2326.41	2627.61
	32mm (1 1/4")	2015 Jul	2066.87	2456.69
Ogos		2045.53	2456.69	2553.92
Sept		2043.77	2436.50	2531.84
Okt		2028.63	2429.97	2508.08
Nov		1988.50	2423.44	2507.92
Dis		1952.67	2423.44	2507.92
2016 Jan		1963.73	2423.44	2491.25
Feb		1976.10	2420.31	2466.25
Mac		1990.37	2384.65	2466.75
Apr		2038.07	2427.55	2466.75
Mei		2088.42	2427.55	2466.75
Jun		2138.77	2443.18	2466.75
Jul		2090.18	2429.74	2466.75
(2) Mycon 60				
<i>High Tensile Deformed Bars</i>				
10mm (3/8")	2015 Jul	2217.23	2395.92	2677.50
	Ogos	2164.29	2387.97	2665.75
	Sept	2109.84	2369.86	2651.57
	Okt	2078.69	2335.00	2651.56
	Nov	2027.31	2318.67	2635.38
	Dis	1982.72	2292.64	2608.38
	2016 Jan	1963.34	2292.64	2584.06
	Feb	1975.21	2290.14	2584.06
	Mac	1984.13	2266.31	2584.06
	Apr	2022.42	2295.48	2639.91
	Mei	2083.71	2295.48	2696.29
	Jun	2115.65	2305.48	2665.89
	Jul	2162.87	2293.98	2616.36

Jadual 1: Harga unit purata bagi bar keluli dan simen (samb.)*Table 1: Average unit prices for steel bars and cement (cont'd)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(2) Mycon 60 (Samb.)		RM Per Tan Metrik		
<i>High Tensile Deformed Bars (Cont'd)</i>		<i>RM Per Metric Ton</i>		
12mm (1/2")	2015 Jul	2227.08	2392.41	2677.50
	Ogos	2167.07	2392.41	2662.63
	Sept	2112.62	2384.08	2648.44
	Okt	2081.47	2353.68	2648.44
	Nov	2030.08	2342.65	2635.38
	Dis	1982.72	2316.62	2608.38
	2016 Jan	1977.23	2316.62	2584.06
	Feb	1983.54	2303.45	2584.06
	Mac	1992.47	2257.56	2584.06
	Apr	2030.76	2289.97	2639.91
	Mei	2089.26	2289.97	2696.29
	Jun	2118.43	2301.09	2665.89
	Jul	2165.60	2288.31	2622.61
	16mm–25mm (5/8"–1")	2015 Jul	2125.17	2300.34
Ogos		2081.24	2300.34	2591.79
Sept		2011.81	2280.40	2575.87
Okt		1974.23	2244.50	2561.66
Nov		1917.66	2227.81	2553.39
Dis		1875.09	2201.93	2544.51
2016 Jan		1866.69	2201.93	2527.18
Feb		1875.72	2199.15	2514.89
Mac		1884.82	2176.68	2515.06
Apr		1915.46	2199.05	2561.01
Mei		1970.65	2199.05	2631.08
Jun		1989.35	2212.94	2631.11
Jul		1923.95	2206.27	2605.85
32mm (1 1/4")		2015 Jul	2071.70	2289.79
	Ogos	2036.87	2289.79	2607.83
	Sept	1978.47	2276.72	2581.34
	Okt	1936.00	2248.43	2554.83
	Nov	1878.17	2231.02	2535.83
	Dis	1838.17	2205.14	2535.83
	2016 Jan	1839.13	2205.14	2527.50
	Feb	1851.50	2202.01	2502.50
	Mac	1861.60	2169.48	2502.50
	Apr	1909.30	2196.75	2502.50
	Mei	1959.65	2196.75	2502.50
	Jun	1959.65	2212.38	2502.50
	Jul	1850.93	2201.13	2502.50

Jadual 1: Harga unit purata bagi bar keluli dan simen (samb.)

23

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(3) Simen <i>Cement</i>		RM Sekarung 50 Kg <i>RM Per 50 Kg Bag</i>		
Portland Biasa	2015 Jul	19.12	19.69	21.30
BS 12	Ogos	19.12	19.69	21.25
<i>Ordinary Portland</i>	Sept	18.97	19.54	21.09
<i>BS 12</i>	Okt	18.88	19.53	21.11
	Nov	19.01	19.48	21.06
	Dis	18.86	19.48	21.06
	2016 Jan	18.86	19.46	21.01
	Feb	18.99	19.46	20.98
	Mac	18.91	19.40	20.99
	Apr	18.75	19.35	20.95
	Mei	18.61	19.28	20.79
	Jun	18.51	19.13	20.71
	Jul	18.46	19.03	20.64

Jadual 2: Harga unit purata bagi bitumen, minyak bahan api dan diesel*Table 2: Average unit prices for bitumen, fuel oil and diesel*

Item	Tempoh <i>Period</i>	Semenanjung Malaysia <i>Peninsular Malaysia</i>
(1) Minyak Bahan Api <i>Fuel Oil</i>		RM Seliter <i>RM Per Litre</i>
Sederhana	2015 Jul	2.17
<i>Medium</i>	Ogos	2.17
	Sept	2.17
	Okt	2.17
	Nov	2.17
	Dis	2.17
	Jan	2.17
	2016 Feb	2.17
	Mac	2.17
	Apr	2.17
	Mei	2.17
	Jun	2.17
	Jul	2.17
(2) Bitumen Penembusan 80/100 <i>Bitumen 80/100 Penetration</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>
	2015 Jul	1700.00
	Ogos	1700.00
	Sept	1650.00
	Okt	1690.00
	Nov	1690.00
	Dis	1690.00
	2016 Jan	1690.00
	Feb	1750.00
	Mac	1750.00
	Apr	1750.00
	Mei	1750.00
	Jun	1750.00
	Jul	1750.00

Harga bitumen penembusan 80/100 adalah berdasarkan harga purata ex-Kuala Lumpur.*The price for bitumen 80/100 penetration is based on average ex-Kuala Lumpur.*

Jadual 2: Harga unit purata bagi bitumen, minyak bahan api dan diesel (samb.)*Table 2: Average unit prices for bitumen, fuel oil and diesel (cont'd)*

Item	Tempoh <i>Period</i>	Semenanjung Malaysia <i>Peninsular Malaysia</i>	
		Runcit* <i>Retail</i>	Sebenar <i>Actual</i>
(3) Minyak Gas Automotif <i>Automotive Gas Oil</i>			RM Seliter <i>RM Per Litre</i>
Diesel	2015 Jan	1.930	1.930
<i>Diesel</i>	Feb	1.700	1.700
	Mac	1.950	1.950
	Apr	1.950	1.950
	Mei	1.950	1.950
	Jun	2.050	2.050
	Jul	2.050	2.050
	Ogos	1.950	1.950
	Sept	1.800	1.800
	Okt	1.900	1.900
	Nov	1.900	1.900
	Dis	1.900	1.900
	2016 Jan	1.600	1.600
	Feb	1.350	1.350
	Mac	1.350	1.350
	Apr	1.550	1.550
	Mei	1.550	1.550
	Jun	1.550	1.550
	Jul	1.600	1.600
	Ogos		
	Sept		
	Okt		
	Nov		
	Dis		

Harga diesel adalah ex-Kuala Lumpur.*The price for diesel is ex-Kuala Lumpur.**** Harga runcit ialah harga selepas ditolak subsidi kerajaan.***Retail price is the price less government subsidy.*

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembetulan

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(1) Pasir <i>Sand</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
Pasir Sungai <i>River Sand</i>	2015 Jul	51.64	48.02	27.48
	Ogos	52.38	48.02	27.48
	Sept	52.73	48.02	27.48
	Okt	53.03	48.02	27.48
	Nov	52.27	48.02	27.05
	Dis	52.27	48.35	27.05
	2016 Jan	52.19	48.74	27.07
	Feb	52.19	49.22	27.07
	Mac	52.19	49.22	27.07
	Apr	52.19	48.69	27.07
	Mei	52.19	48.69	27.03
	Jun	52.19	48.69	26.75
	Jul	52.29	48.28	26.75
Pasir Lombong <i>Mining Sand</i>	2015 Jul	33.16	49.65	29.25
	Ogos	33.16	49.57	29.25
	Sept	33.16	49.57	29.25
	Okt	33.16	49.57	n.a
	Nov	33.16	49.57	n.a
	Dis	33.16	49.03	n.a
	2016 Jan	33.16	49.31	n.a
	Feb	33.16	49.58	n.a
	Mac	33.16	49.48	n.a
	Apr	33.16	49.48	n.a
	Mei	33.16	49.48	n.a
	Jun	33.16	49.48	n.a
	Jul	33.16	49.19	n.a
(2) Batu Baur <i>Aggregates</i>				
Granite 10mm (3/8")	2015 Jul	32.66	31.41	35.62
	Ogos	32.59	31.53	35.62
	Sept	32.59	31.53	35.62
	Okt	31.36	32.44	35.62
	Nov	31.36	32.44	35.62
	Dis	31.06	32.31	35.62
	2016 Jan	30.90	32.31	33.73
	Feb	30.90	32.31	33.73
	Mac	30.90	32.25	33.73
	Apr	30.90	32.25	33.73
	Mei	30.90	32.25	33.73
	Jun	30.90	32.25	33.73
	Jul	31.15	32.19	33.73

Harga bagi pasir, batu baur dan premix adalah termasuk kos pengangkutan bagi jarak 30km dari outlet.
The prices for sand, aggregates and premix are inclusive of transportation charge for 30km from the outlets.

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(2) Batu Baur (Samb.) <i>Aggregates (Cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
Granite 20mm (3/4")	2015 Jul	37.26	32.28	34.06
	Ogos	37.26	32.26	34.56
	Sept	37.11	32.18	34.56
	Okt	37.11	33.44	34.76
	Nov	37.19	33.38	34.76
	Dis	37.13	33.25	34.76
	2016 Jan	37.13	33.33	34.67
	Feb	37.13	33.57	34.58
	Mac	37.13	33.73	34.02
	Apr	37.13	34.12	34.02
	Mei	37.13	34.12	34.02
	Jun	37.19	34.12	34.02
	Jul	37.24	34.01	33.74
	Granite 40mm (1 1/2")	2015 Jul	28.36	32.32
Ogos		28.36	32.32	29.68
Sept		28.36	32.32	29.68
Okt		30.21	32.04	29.68
Nov		28.97	32.04	29.68
Dis		28.97	32.04	29.68
2016 Jan		28.97	32.04	29.68
Feb		28.97	32.04	29.68
Mac		28.97	32.04	29.68
Apr		28.97	32.04	29.68
Mei		28.97	32.04	29.68
Jun		28.97	32.04	29.68
Jul		28.97	31.93	29.68
Crushed Aggregate (Crusher Run) <i>Crushed Aggregate (Crusher Run)</i>				
Crusher Run	2015 Jul	21.92	24.87	21.83
	Ogos	21.76	24.69	21.83
	Sept	21.76	24.69	21.83
	Okt	20.63	24.87	21.83
	Nov	20.71	24.87	21.83
	Dis	20.63	24.87	21.83
	2016 Jan	20.63	24.87	21.47
	Feb	20.63	24.87	21.47
	Mac	20.63	24.79	21.47
	Apr	20.63	24.79	21.47
	Mei	20.63	24.79	21.47
	Jun	20.63	24.79	21.47
	Jul	20.63	24.83	21.47

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(3) Premix Asphaltic Concrete <i>Premix Asphaltic Concrete</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
AC 10 (Wearing Course)	2015 Jul	181.97	205.50	220.26
	Ogos	181.97	205.50	220.26
	Sept	181.97	205.50	220.26
	Okt	180.20	203.38	256.52
	Nov	180.20	203.38	256.52
	Dis	180.20	202.42	256.52
	2016 Jan	180.20	202.42	256.52
	Feb	180.20	200.42	256.52
	Mac	180.20	196.72	256.52
	Apr	180.20	193.13	256.52
	Mei	180.20	193.13	256.52
	Jun	180.20	193.13	256.52
	Jul	180.20	193.13	256.52
AC 14 (Wearing Course)	2015 Jul	185.85	197.61	198.13
	Ogos	184.12	197.61	197.38
	Sept	184.12	197.61	197.38
	Okt	183.24	196.82	197.38
	Nov	183.24	196.82	197.38
	Dis	183.24	195.95	197.38
	2016 Jan	183.24	195.95	196.32
	Feb	183.24	194.13	196.32
	Mac	174.96	189.41	196.32
	Apr	174.37	187.73	190.11
	Mei	174.37	187.73	190.11
	Jun	169.60	188.21	186.78
	Jul	171.78	188.21	184.13
AC 28 (Binder Course)	2015 Jul	184.26	199.58	194.78
	Ogos	182.36	199.58	194.03
	Sept	182.36	199.58	194.03
	Okt	181.47	198.39	194.03
	Nov	181.47	198.39	194.03
	Dis	181.47	197.99	194.03
	2016 Jan	181.47	197.99	192.97
	Feb	181.47	195.99	192.97
	Mac	172.90	191.39	192.97
	Apr	172.43	189.15	186.76
	Mei	172.43	189.15	186.76
	Jun	169.37	189.15	183.43
	Jul	173.90	189.15	180.78

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pementungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(3) Premix Asphaltic Concrete (samb.) <i>Premix Asphaltic Concrete (cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
ACW 20 (Wearing Course)	2015 Jul	185.32	198.99	205.14
	Ogos	183.59	198.99	202.37
	Sept	183.59	198.99	202.37
	Okt	182.71	198.27	213.06
	Nov	182.71	198.27	213.06
	Dis	182.71	197.31	213.06
	2016 Jan	182.71	197.31	213.59
	Feb	182.71	195.31	213.59
	Mac	176.96	189.21	213.59
	Apr	175.61	187.87	198.51
	Mei	175.61	187.87	198.51
	Jun	170.73	188.40	194.51
	Jul	175.22	188.40	194.51

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(3) Premix Bituminous Macadam <i>Premix Bituminous Macadam</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
BMR40 (Bound Roadbase)	2015 Jul	178.08	196.78	139.92
	Ogos	178.08	196.78	139.92
	Sept	178.08	196.78	139.92
	Okt	172.78	185.43	139.92
	Nov	172.78	185.43	139.92
	Dis	172.78	184.49	139.92
	2016 Jan	172.78	184.49	139.92
	Feb	172.78	184.49	139.92
	Mac	172.78	183.87	139.92
	Apr	172.78	183.87	139.92
	Mei	172.78	183.87	139.92
	Jun	172.78	183.87	139.92
	Jul	172.78	183.87	139.92
BMR28 (Bound Roadbase)	2015 Jul	178.08	192.02	153.00
	Ogos	178.08	192.02	153.00
	Sept	178.08	192.02	153.00
	Okt	172.78	188.04	153.00
	Nov	172.78	188.04	153.00
	Dis	172.78	187.62	153.00
	2016 Jan	172.78	187.62	153.00
	Feb	172.78	187.62	153.00
	Mac	172.78	183.74	153.00
	Apr	172.78	183.74	153.00
	Mei	172.78	183.74	153.00
	Jun	172.78	183.74	153.00
	Jul	172.78	183.74	153.00
BML10 (Levelling Course)	2015 Jul	180.20	204.09	167.30
	Ogos	180.20	204.09	165.30
	Sept	180.20	204.09	164.30
	Okt	174.90	194.96	164.30
	Nov	174.90	194.96	164.30
	Dis	174.90	195.14	164.30
	2016 Jan	174.90	195.14	160.06
	Feb	174.90	195.14	160.06
	Mac	174.90	191.36	160.06
	Apr	174.90	191.36	135.20
	Mei	174.90	191.36	135.20
	Jun	174.90	191.36	121.90
	Jul	174.90	191.36	121.90

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(3) Premix Bituminous Macadam (samb.) <i>Premix Bituminous Macadam (cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
BMB28 (Binder Course)	2015 Jul	182.03	199.28	160.94
	Ogos	182.03	199.28	155.00
	Sept	182.03	199.28	155.00
	Okt	172.78	195.30	155.00
	Nov	172.78	195.30	155.00
	Dis	172.78	194.88	155.00
	2016 Jan	172.78	194.88	153.70
	Feb	172.78	194.88	153.70
	Mac	172.78	191.13	153.70
	Apr	172.78	191.13	128.84
	Mei	172.78	191.13	128.84
	Jun	172.78	191.13	115.54
	Jul	172.78	191.13	115.54
BMB20 (Binder Course)	2015 Jul	178.08	192.68	193.25
	Ogos	178.08	192.68	192.65
	Sept	178.08	192.68	192.65
	Okt	172.78	189.15	201.75
	Nov	172.78	189.15	201.75
	Dis	172.78	188.77	201.75
	2016 Jan	172.78	188.77	200.34
	Feb	172.78	188.77	200.34
	Mac	172.78	183.77	200.34
	Apr	172.78	183.77	192.05
	Mei	172.78	183.77	191.91
	Jun	172.78	184.36	187.62
	Jul	172.78	184.36	187.62
BMW14 (Wearing Course)	2015 Jul	180.20	194.03	206.64
	Ogos	180.20	194.03	205.64
	Sept	180.20	193.03	205.64
	Okt	174.90	189.85	205.64
	Nov	174.90	191.85	205.64
	Dis	174.90	192.01	205.64
	2016 Jan	174.90	192.01	204.23
	Feb	174.90	192.01	204.23
	Mac	174.90	184.01	204.23
	Apr	174.90	184.01	195.94
	Mei	174.90	184.01	195.94
	Jun	174.90	184.51	191.51
	Jul	174.90	184.51	191.51

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pementungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(3) Premix Bituminous Macadam (samb.) <i>Premix Bituminous Macadam (cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
BMW20 (Wearing Course)	2015 Jul	180.20	193.72	207.96
	Ogos	180.20	193.72	207.96
	Sept	180.20	192.72	207.96
	Okt	174.90	189.54	245.92
	Nov	174.90	191.54	245.92
	Dis	174.90	191.70	245.92
	2016 Jan	174.90	191.70	245.92
	Feb	174.90	191.70	245.92
	Mac	174.90	183.70	245.92
	Apr	174.90	183.70	245.92
	Mei	174.90	183.70	245.92
	Jun	174.90	184.20	245.92
	Jul	174.90	184.20	245.92

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement <i>Fabric Reinforcement</i>			RM Per Kg <i>RM Per Kg</i>	
A4, MS145	2015 Jul	2.30	3.03	3.73
	Ogos	2.30	3.03	3.73
	Sept	2.30	3.03	3.73
	Okt	2.30	2.86	3.73
	Nov	2.30	2.86	3.73
	Dis	2.30	2.84	3.52
	2016 Jan	2.30	2.84	3.43
	Feb	2.30	2.84	3.43
	Mac	2.30	2.84	3.43
	Apr	2.34	2.84	3.43
	Mei	2.64	2.84	3.43
	Jun	2.49	2.84	3.44
	Jul	2.34	2.84	3.44
A5, MS145	2015 Jul	2.29	2.99	3.70
	Ogos	2.29	2.99	3.70
	Sept	2.29	2.99	3.70
	Okt	2.29	2.83	3.70
	Nov	2.29	2.83	3.70
	Dis	2.29	2.81	3.49
	2016 Jan	2.29	2.81	3.40
	Feb	2.29	2.81	3.40
	Mac	2.29	2.81	3.40
	Apr	2.32	2.81	3.40
	Mei	2.62	2.81	3.40
	Jun	2.47	2.81	3.41
	Jul	2.32	2.81	3.41
A6, MS145	2015 Jul	2.05	2.66	3.32
	Ogos	2.05	2.66	3.32
	Sept	2.05	2.66	3.32
	Okt	2.05	2.53	3.32
	Nov	2.05	2.53	3.32
	Dis	2.05	2.52	3.13
	2016 Jan	2.05	2.52	3.05
	Feb	2.05	2.52	3.05
	Mac	2.05	2.52	3.05
	Apr	2.08	2.52	3.05
	Mei	2.35	2.52	3.05
	Jun	2.22	2.52	3.06
	Jul	2.08	2.52	3.06

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>		RM Per Kg <i>RM Per Kg</i>		
A7, MS145	2015 Jul	2.05	2.65	3.31
	Ogos	2.05	2.65	3.31
	Sept	2.05	2.65	3.31
	Okt	2.05	2.53	3.31
	Nov	2.05	2.53	3.31
	Dis	2.05	2.52	3.13
	2016 Jan	2.05	2.52	3.05
	Feb	2.05	2.52	3.05
	Mac	2.05	2.52	3.05
	Apr	2.08	2.52	3.05
	Mei	2.35	2.52	3.05
	Jun	2.22	2.52	3.05
	Jul	2.08	2.52	3.05
	A8, MS145	2015 Jul	2.05	2.66
Ogos		2.05	2.66	3.32
Sept		2.05	2.66	3.32
Okt		2.05	2.54	3.32
Nov		2.05	2.54	3.32
Dis		2.05	2.53	3.13
2016 Jan		2.05	2.53	3.06
Feb		2.05	2.53	3.06
Mac		2.05	2.53	3.06
Apr		2.08	2.53	3.06
Mei		2.36	2.53	3.06
Jun		2.22	2.53	3.06
Jul		2.08	2.53	3.06
A9, MS145		2015 Jul	2.05	2.65
	Ogos	2.05	2.65	3.31
	Sept	2.05	2.65	3.31
	Okt	2.05	2.53	3.31
	Nov	2.05	2.53	3.31
	Dis	2.05	2.52	3.13
	2016 Jan	2.05	2.52	3.05
	Feb	2.05	2.52	3.05
	Mac	2.05	2.52	3.05
	Apr	2.08	2.52	3.05
	Mei	2.35	2.52	3.05
	Jun	2.22	2.52	3.05
	Jul	2.08	2.52	3.05

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>		RM Per Kg <i>RM Per Kg</i>		
A10, MS145	2015 Jul	2.09	2.57	3.31
	Ogos	2.09	2.57	3.31
	Sept	2.09	2.57	3.31
	Okt	2.09	2.45	3.31
	Nov	2.09	2.45	3.31
	Dis	2.09	2.44	3.13
	2016 Jan	2.09	2.44	3.05
	Feb	2.09	2.44	3.05
	Mac	2.09	2.44	3.05
	Apr	2.16	2.44	3.05
	Mei	2.70	2.44	3.05
	Jun	2.43	2.44	3.05
	Jul	2.16	2.44	3.05
	B5, MS145	2015 Jul	2.33	2.98
Ogos		2.33	2.98	3.68
Sept		2.33	2.98	3.68
Okt		2.33	2.82	3.68
Nov		2.33	2.82	3.68
Dis		2.33	2.82	3.48
2016 Jan		2.33	2.82	3.39
Feb		2.33	2.82	3.39
Mac		2.33	2.82	3.39
Apr		2.40	2.82	3.39
Mei		3.00	2.82	3.39
Jun		2.70	2.82	3.40
Jul		2.40	2.82	3.40
B6, MS145		2015 Jul	2.09	2.65
	Ogos	2.09	2.65	3.32
	Sept	2.09	2.65	3.32
	Okt	2.09	2.51	3.32
	Nov	2.09	2.51	3.32
	Dis	2.09	2.51	3.13
	2016 Jan	2.09	2.51	3.05
	Feb	2.09	2.51	3.05
	Mac	2.09	2.51	3.05
	Apr	2.16	2.51	3.05
	Mei	2.70	2.51	3.05
	Jun	2.43	2.51	3.06
	Jul	2.16	2.51	3.06

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>		RM Per Kg <i>RM Per Kg</i>		
B7, MS145	2015 Jul	2.09	2.68	3.31
	Ogos	2.09	2.68	3.31
	Sept	2.09	2.68	3.31
	Okt	2.09	2.54	3.31
	Nov	2.09	2.54	3.31
	Dis	2.09	2.54	3.13
	2016 Jan	2.09	2.54	3.05
	Feb	2.09	2.54	3.05
	Mac	2.09	2.54	3.05
	Apr	2.16	2.54	3.05
	Mei	2.70	2.54	3.05
	Jun	2.43	2.54	3.05
	Jul	2.16	2.54	3.05
	B8, MS145	2015 Jul	2.10	2.69
Ogos		2.10	2.69	3.32
Sept		2.10	2.69	3.32
Okt		2.10	2.54	3.32
Nov		2.10	2.54	3.32
Dis		2.10	2.54	3.13
2016 Jan		2.10	2.54	3.06
Feb		2.10	2.54	3.06
Mac		2.10	2.54	3.06
Apr		2.16	2.54	3.06
Mei		2.70	2.54	3.06
Jun		2.43	2.54	3.06
Jul		2.16	2.54	3.06
B9, MS145		2015 Jul	2.09	2.69
	Ogos	2.09	2.69	3.32
	Sept	2.09	2.69	3.32
	Okt	2.09	2.54	3.32
	Nov	2.09	2.54	3.32
	Dis	2.09	2.54	3.13
	2016 Jan	2.09	2.54	3.05
	Feb	2.09	2.54	3.05
	Mac	2.09	2.54	3.05
	Apr	2.16	2.54	3.05
	Mei	2.70	2.54	3.05
	Jun	2.43	2.54	3.06
	Jul	2.16	2.54	3.06

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>		RM Per Kg <i>RM Per Kg</i>		
B10, MS145	2015 Jul	2.09	2.68	3.31
	Ogos	2.09	2.68	3.31
	Sept	2.09	2.68	3.31
	Okt	2.09	2.54	3.31
	Nov	2.09	2.54	3.31
	Dis	2.09	2.54	3.12
	2016 Jan	2.09	2.54	3.05
	Feb	2.09	2.54	3.05
	Mac	2.09	2.54	3.05
	Apr	2.16	2.54	3.05
	Mei	2.70	2.54	3.05
	Jun	2.43	2.54	3.05
	Jul	2.16	2.54	3.05
	B12, MS145	2015 Jul	2.32	2.94
Ogos		2.32	2.94	3.66
Sept		2.32	2.94	3.66
Okt		2.32	2.78	3.66
Nov		2.32	2.78	3.66
Dis		2.32	2.78	3.46
2016 Jan		2.32	2.78	3.38
Feb		2.32	2.78	3.38
Mac		2.32	2.78	3.38
Apr		2.39	2.78	3.38
Mei		2.99	2.78	3.38
Jun		2.69	2.78	3.38
Jul		2.39	2.78	3.38
C5, MS145		2015 Jul	2.33	2.88
	Ogos	2.33	2.88	3.69
	Sept	2.33	2.88	3.69
	Okt	2.33	2.88	3.69
	Nov	2.33	2.88	3.69
	Dis	2.33	2.88	3.48
	2016 Jan	2.33	2.88	3.40
	Feb	2.33	2.88	3.40
	Mac	2.33	2.88	3.40
	Apr	2.40	2.88	3.40
	Mei	3.01	2.88	3.40
	Jun	2.70	2.88	3.40
	Jul	2.40	2.88	3.40

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>		RM Per Kg <i>RM Per Kg</i>		
C6, MS145	2015 Jul	2.33	2.88	3.68
	Ogos	2.33	2.88	3.68
	Sept	2.33	2.88	3.68
	Okt	2.33	2.86	3.68
	Nov	2.33	2.86	3.68
	Dis	2.33	2.86	3.48
	2016 Jan	2.33	2.86	3.39
	Feb	2.33	2.86	3.39
	Mac	2.33	2.86	3.39
	Apr	2.40	2.86	3.39
	Mei	3.00	2.86	3.39
	Jun	2.70	2.86	3.40
	Jul	2.40	2.86	3.40
	C7, MS145	2015 Jul	2.33	2.98
Ogos		2.33	2.98	3.68
Sept		2.33	2.98	3.68
Okt		2.33	2.98	3.68
Nov		2.33	2.98	3.68
Dis		2.33	2.98	3.47
2016 Jan		2.33	2.98	3.39
Feb		2.33	2.98	3.39
Mac		2.33	2.98	3.39
Apr		2.40	2.98	3.39
Mei		3.00	2.98	3.39
Jun		2.70	2.98	3.39
Jul		2.40	2.98	3.39
C8, MS145		2015 Jul	2.32	3.05
	Ogos	2.32	3.05	3.68
	Sept	2.32	3.05	3.68
	Okt	2.32	3.05	3.68
	Nov	2.32	3.05	3.68
	Dis	2.32	3.05	3.47
	2016 Jan	2.32	3.05	3.38
	Feb	2.32	3.05	3.38
	Mac	2.32	3.05	3.38
	Apr	2.40	3.05	3.38
	Mei	3.00	3.05	3.38
	Jun	2.70	3.05	3.39
	Jul	2.40	3.05	3.39

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>			RM Per Kg <i>RM Per Kg</i>	
C9, MS145	2015 Jul	2.32	2.98	3.68
	Ogos	2.32	2.98	3.68
	Sept	2.32	2.98	3.68
	Okt	2.32	2.98	3.68
	Nov	2.32	2.98	3.68
	Dis	2.32	2.98	3.47
	2016 Jan	2.32	2.98	3.39
	Feb	2.32	2.98	3.39
	Mac	2.32	2.98	3.39
	Apr	2.40	2.98	3.39
	Mei	3.00	2.98	3.39
	Jun	2.70	2.98	3.39
	Jul	2.40	2.98	3.39
C10, MS145	2015 Jul	2.33	2.98	3.68
	Ogos	2.33	2.98	3.68
	Sept	2.33	2.98	3.68
	Okt	2.33	2.98	3.68
	Nov	2.33	2.98	3.68
	Dis	2.33	2.98	3.47
	2016 Jan	2.33	2.98	3.39
	Feb	2.33	2.98	3.39
	Mac	2.33	2.98	3.39
	Apr	2.40	2.98	3.39
	Mei	3.00	2.98	3.39
	Jun	2.70	2.98	3.39
	Jul	2.40	2.98	3.39
DA4, MS145	2015 Jul	2.35	3.01	3.72
	Ogos	2.35	3.01	3.72
	Sept	2.35	3.01	3.72
	Okt	2.35	3.01	3.72
	Nov	2.35	3.01	3.72
	Dis	2.35	3.01	3.51
	2016 Jan	2.35	3.01	3.42
	Feb	2.35	3.01	3.42
	Mac	2.35	3.01	3.42
	Apr	2.42	3.01	3.42
	Mei	3.03	3.01	3.42
	Jun	2.73	3.01	3.43
	Jul	2.42	3.01	3.43

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.)		RM Per Kg		
<i>Fabric Reinforcement (cont'd)</i>		<i>RM Per Kg</i>		
DA5, MS145	2015 Jul	2.34	2.99	3.70
	Ogos	2.34	2.99	3.70
	Sept	2.34	2.99	3.70
	Okt	2.34	2.99	3.70
	Nov	2.34	2.99	3.70
	Dis	2.34	2.99	3.49
	2016 Jan	2.34	2.99	3.40
	Feb	2.34	2.99	3.40
	Mac	2.34	2.99	3.40
	Apr	2.41	2.99	3.40
	Mei	3.01	2.99	3.40
	Jun	2.71	2.99	3.41
	Jul	2.41	2.99	3.41
	DA6, MS145	2015 Jul	2.09	2.67
Ogos		2.09	2.67	3.32
Sept		2.09	2.67	3.32
Okt		2.09	2.67	3.32
Nov		2.09	2.67	3.32
Dis		2.09	2.67	3.13
2016 Jan		2.09	2.67	3.05
Feb		2.09	2.67	3.05
Mac		2.09	2.67	3.05
Apr		2.16	2.67	3.05
Mei		2.70	2.67	3.05
Jun		2.43	2.67	3.06
Jul		2.16	2.67	3.06
DA7, MS145		2015 Jul	2.09	2.68
	Ogos	2.09	2.68	3.31
	Sept	2.09	2.68	3.31
	Okt	2.09	2.68	3.31
	Nov	2.09	2.68	3.31
	Dis	2.09	2.68	3.13
	2016 Jan	2.09	2.68	3.05
	Feb	2.09	2.68	3.05
	Mac	2.09	2.68	3.05
	Apr	2.16	2.68	3.05
	Mei	2.70	2.68	3.05
	Jun	2.43	2.68	3.05
	Jul	2.16	2.68	3.05

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(4) Fabric Reinforcement (samb.) <i>Fabric Reinforcement (cont'd)</i>		RM Per Kg <i>RM Per Kg</i>		
DA8, MS145	2015 Jul	2.10	2.68	3.32
	Ogos	2.10	2.68	3.32
	Sept	2.10	2.68	3.32
	Okt	2.10	2.68	3.32
	Nov	2.10	2.68	3.32
	Dis	2.10	2.68	3.13
	2016 Jan	2.10	2.68	3.06
	Feb	2.10	2.68	3.06
	Mac	2.10	2.68	3.06
	Apr	2.16	2.68	3.06
	Mei	2.70	2.68	3.06
	Jun	2.43	2.68	3.06
	Jul	2.16	2.68	3.06
DA9, MS145	2015 Jul	2.09	2.68	3.31
	Ogos	2.09	2.68	3.31
	Sept	2.09	2.68	3.31
	Okt	2.09	2.68	3.31
	Nov	2.09	2.68	3.31
	Dis	2.09	2.68	3.13
	2016 Jan	2.09	2.68	3.05
	Feb	2.09	2.68	3.05
	Mac	2.09	2.68	3.05
	Apr	2.16	2.68	3.05
	Mei	2.70	2.68	3.05
	Jun	2.43	2.68	3.05
	Jul	2.16	2.68	3.05
DA10, MS145	2015 Jul	2.09	2.68	3.30
	Ogos	2.09	2.68	3.30
	Sept	2.09	2.68	3.30
	Okt	2.09	2.68	3.30
	Nov	2.09	2.68	3.30
	Dis	2.09	2.68	3.11
	2016 Jan	2.09	2.68	3.04
	Feb	2.09	2.68	3.04
	Mac	2.09	2.68	3.04
	Apr	2.16	2.68	3.04
	Mei	2.70	2.68	3.04
	Jun	2.43	2.68	3.04
	Jul	2.16	2.68	3.04

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(5) Guardrail <i>Guardrail</i>			RM Per Meter <i>RM Per Metre</i>	
Single Mounted	2015 Jul	139.95	141.75	145.50
i) 1.95m Post Spacing	Ogos	139.95	141.75	145.50
	Sept	139.95	141.75	145.50
	Okt	139.95	141.75	145.50
	Nov	139.95	141.75	145.50
	Dis	139.95	141.75	145.50
	2016 Jan	135.00	136.75	140.50
	Feb	135.00	136.75	140.50
	Mac	135.00	136.75	140.50
	Apr	135.00	136.75	140.50
	Mei	135.00	136.75	140.50
	Jun	135.00	136.75	140.50
	Jul	135.00	136.75	140.50
ii) 3.80m Post Spacing	2015 Jul	99.30	100.55	103.20
	Ogos	99.30	100.55	103.20
	Sept	99.30	100.55	103.20
	Okt	99.30	100.55	103.20
	Nov	99.30	100.55	103.20
	Dis	99.30	100.55	103.20
	2016 Jan	95.85	97.05	99.70
	Feb	95.85	97.05	99.70
	Mac	95.85	97.05	99.70
	Apr	95.85	97.05	99.70
	Mei	95.85	97.05	99.70
	Jun	95.85	97.05	99.70
	Jul	95.85	97.05	99.70

Harga guardrail adalah termasuk kos pengangkutan bagi jarak 30km dari outlet.

The prices for guardrail are inclusive of transportation charges for 30km from the outlets.

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
(5) Guardrail (samb.) <i>Guardrail (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>		
Double Mounted	2015 Jul	214.95	217.60	223.30
i) 1.95m Post Spacing	Ogos	214.95	218.90	223.30
	Sept	214.95	218.90	223.30
	Okt	214.95	218.90	223.30
	Nov	214.95	218.90	223.30
	Dis	214.95	218.90	223.30
	2016 Jan	207.35	210.00	215.70
	Feb	207.35	210.00	215.70
	Mac	207.35	210.00	215.70
	Apr	207.35	210.00	215.70
	Mei	207.35	210.00	215.70
	Jun	207.35	210.00	215.70
	Jul	207.35	210.00	215.70
ii) 3.80m Post Spacing	2015 Jul	166.15	168.20	172.60
	Ogos	166.15	168.00	172.60
	Sept	166.15	168.00	172.60
	Okt	166.15	168.00	172.60
	Nov	166.15	168.00	172.60
	Dis	166.15	168.00	172.60
	2016 Jan	160.35	162.35	166.70
	Feb	160.35	162.35	166.70
	Mac	160.35	162.35	166.70
	Apr	160.35	162.35	166.70
	Mei	160.35	162.35	166.70
	Jun	160.35	162.35	166.70
	Jul	160.35	162.35	166.70

Harga guardrail adalah termasuk kos pengangkutan bagi jarak 30km dari outlet.

The prices for guardrail are inclusive of transportation charges for 30km from the outlets.

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
(6a) Paip Air <i>Water Pipe</i>		RM Per Meter <i>RM Per Metre</i>
Mild Steel Pipe 300mm	2015 Jul	189.00
	Ogos	179.00
	Sept	179.00
	Okt	180.00
	Nov	180.00
	Dis	182.00
	2016 Jan	182.00
	Feb	182.00
	Mac	182.00
	Apr	198.00
	Mei	198.00
	Jun	198.00
	Jul	211.00
Stainless Steel Pipe 25mm	2015 Jul	27.00
	Ogos	27.00
	Sept	27.00
	Okt	27.00
	Nov	27.00
	Dis	27.00
	2016 Jan	27.00
	Feb	27.00
	Mac	27.00
	Apr	27.00
	Mei	27.00
	Jun	27.00
	Jul	27.00
Ductile Iron Pipe 300mm	2015 Jul	283.30
	Ogos	283.30
	Sept	283.30
	Okt	283.30
	Nov	283.30
	Dis	283.30
	2016 Jan	283.30
	Feb	283.30
	Mac	283.30
	Apr	283.30
	Mei	283.30
	Jun	283.30
	Jul	283.30

Harga bagi paip air dan paip pembedungan adalah harga di kilang.

The prices for water pipe and sewerage pipe are ex-factory prices.

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh Period	Kawasan Region	
		Semenanjung Malaysia Peninsular Malaysia	
(6a) Paip Air (samb.) <i>Water Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>	
High Density Polyethylene (HDPE) Pipe i. Compression Fitting Using For Jointing 25mm	2015 Jul	1.50	
	Ogos	1.50	
	Sept	1.50	
	Okt	1.50	
	Nov	1.50	
	Dis	1.50	
	2016 Jan	1.50	
	Feb	1.50	
	Mac	1.50	
	Apr	1.50	
	Mei	1.50	
	Jun	1.50	
	Jul	1.50	
	ii. Electrofusion Jointing 160mm	2015 Jul	72.30
		Ogos	72.30
		Sept	72.30
		Okt	72.30
Nov		72.30	
Dis		72.30	
2016 Jan		72.30	
Feb		72.30	
Mac		72.30	
Apr		72.30	
Mei		72.30	
Jun		72.30	
Jul		72.30	
iii. Butt Fussion 160mm	2015 Jul	57.63	
	Ogos	57.63	
	Sept	57.63	
	Okt	57.63	
	Nov	57.63	
	Dis	57.63	
	2016 Jan	57.63	
	Feb	57.63	
	Mac	57.63	
	Apr	57.63	
	Mei	57.63	
	Jun	57.63	
	Jul	57.63	

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
(6b) Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
Mild Steel Pipe 300mm	2015 Jul	204.12
	Ogos	193.32
	Sept	193.32
	Okt	194.40
	Nov	194.40
	Dis	196.56
	2016 Jan	196.56
	Feb	196.56
	Mac	196.56
	Apr	213.84
	Mei	213.84
	Jun	213.84
	Jul	227.88
Ductile Iron Pipe 250mm	2015 Jul	185.00
	Ogos	185.00
	Sept	185.00
	Okt	185.00
	Nov	185.00
	Dis	185.00
	2016 Jan	185.00
	Feb	185.00
	Mac	185.00
	Apr	185.00
	Mei	185.00
	Jun	185.00
	Jul	185.00
High Density Polyethylene (HDPE) Pipe i. Profile Pipe 150mm	2015 Jul	27.50
	Ogos	27.50
	Sept	27.50
	Okt	27.50
	Nov	27.50
	Dis	30.25
	2016 Jan	30.25
	Feb	30.25
	Mac	30.25
	Apr	30.25
	Mei	30.25
	Jun	30.25
	Jul	30.25

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
(6b) Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
High Density Polyethylene (HDPE) Pipe ii. Solid Pipe 250mm	2015 Jul	98.20
	Ogos	98.20
	Sept	98.20
	Okt	98.20
	Nov	98.20
	Dis	108.02
	2016 Jan	108.02
	Feb	108.02
	Mac	108.02
	Apr	108.02
	Mei	108.02
	Jun	108.02
	Jul	108.02
	Vitrified Clay Pipe i. Standard Pipe 225mm	2015 Jul
Ogos		66.00
Sept		66.00
Okt		66.00
Nov		64.55
Dis		64.55
2016 Jan		64.55
Feb		64.55
Mac		64.55
Apr		64.55
Mei		64.55
Jun		64.55
Jul		64.55
ii. Jacking Pipe 225mm		2015 Jul
	Ogos	302.00
	Sept	302.00
	Okt	302.00
	Nov	302.00
	Dis	302.00
	2016 Jan	302.00
	Feb	302.00
	Mac	302.00
	Apr	302.00
	Mei	302.00
	Jun	302.00
	Jul	302.00

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
(6b) Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
Reinforced Concrete Pipe	2015 Jul	185.30
i. Without Lining	Ogos	185.30
900mm	Sept	185.30
	Okt	217.00
	Nov	217.00
	Dis	217.00
	2016 Jan	217.00
	Feb	217.00
	Mac	217.00
	Apr	217.00
	Mei	217.00
	Jun	217.00
	Jul	217.00
ii. With Lining (High Alumina)	2015 Jul	241.70
900mm	Ogos	241.70
	Sept	241.70
	Okt	241.70
	Nov	241.70
	Dis	241.70
	2016 Jan	241.70
	Feb	241.70
	Mac	241.70
	Apr	241.70
	Mei	241.70
	Jun	241.70
	Jul	241.70
iii. With Lining (Sacrificial Lining)	2015 Jul	213.60
900mm	Ogos	213.60
	Sept	213.60
	Okt	213.60
	Nov	213.60
	Dis	213.60
	2016 Jan	213.60
	Feb	213.60
	Mac	213.60
	Apr	213.60
	Mei	213.60
	Jun	213.60
	Jul	213.60

Jadual 3: Harga unit purata bagi pasir, batu baur, *premix*, *fabric reinforcement*, *guardrail* dan paip air & paip pembedungan (samb.)

Table 3: Average unit prices for sand, aggregates, premix, fabric reinforcement, guardrail and water pipe & sewerage pipe (cont'd)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>
		Semenanjung Malaysia <i>Peninsular Malaysia</i>
(6b) Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
ABS Pipe	2015 Jul	28.92
i. Gravity	Ogos	28.92
110mm	Sept	28.92
	Okt	28.92
	Nov	28.92
	Dis	28.92
	2016 Jan	28.92
	Feb	28.92
	Mac	28.92
	Apr	28.92
	Mei	28.92
	Jun	28.92
	Jul	28.92
ii. Force Main	2015 Jul	81.65
225mm	Ogos	81.65
	Sept	81.65
	Okt	81.65
	Nov	81.65
	Dis	81.65
	2016 Jan	81.65
	Feb	81.65
	Mac	81.65
	Apr	81.65
	Mei	81.65
	Jun	81.65
	Jul	81.65

LAMPIRAN
APPENDIX

Jadual faktor pelarasan bagi paip air dan paip pementungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
<p style="text-align: center;">Paip air <i>Water pipe</i></p> <p>1. Mild Steel Pipe</p> <p style="padding-left: 40px;">100 mm Ø</p> <p style="padding-left: 40px;">150 "</p> <p style="padding-left: 40px;">200 "</p> <p style="padding-left: 40px;">250 "</p> <p style="padding-left: 40px;">300 "</p> <p style="padding-left: 40px;">350 "</p> <p style="padding-left: 40px;">400 "</p> <p style="padding-left: 40px;">450 "</p> <p style="padding-left: 40px;">500 "</p> <p style="padding-left: 40px;">600 "</p> <p style="padding-left: 40px;">700 "</p> <p style="padding-left: 40px;">750 "</p> <p style="padding-left: 40px;">800 "</p> <p style="padding-left: 40px;">900 "</p> <p style="padding-left: 40px;">1000 "</p> <p style="padding-left: 40px;">1100 "</p> <p style="padding-left: 40px;">1150 "</p> <p style="padding-left: 40px;">1200 "</p> <p style="padding-left: 40px;">1300 "</p> <p style="padding-left: 40px;">1400 "</p> <p style="padding-left: 40px;">1500 "</p> <p style="padding-left: 40px;">1600 "</p> <p style="padding-left: 40px;">1700 "</p> <p style="padding-left: 40px;">1800 "</p> <p style="padding-left: 40px;">1900 "</p> <p style="padding-left: 40px;">2000 "</p> <p style="padding-left: 40px;">2100 "</p> <p style="padding-left: 40px;">2200 "</p>	<p style="padding-left: 40px;">0.25</p> <p style="padding-left: 40px;">0.36</p> <p style="padding-left: 40px;">0.47</p> <p style="padding-left: 40px;">0.59</p> <p style="padding-left: 40px;">1.00</p> <p style="padding-left: 40px;">1.16</p> <p style="padding-left: 40px;">1.32</p> <p style="padding-left: 40px;">1.48</p> <p style="padding-left: 40px;">1.63</p> <p style="padding-left: 40px;">2.18</p> <p style="padding-left: 40px;">2.80</p> <p style="padding-left: 40px;">2.99</p> <p style="padding-left: 40px;">3.18</p> <p style="padding-left: 40px;">3.56</p> <p style="padding-left: 40px;">4.25</p> <p style="padding-left: 40px;">5.53</p> <p style="padding-left: 40px;">5.83</p> <p style="padding-left: 40px;">6.40</p> <p style="padding-left: 40px;">7.60</p> <p style="padding-left: 40px;">8.16</p> <p style="padding-left: 40px;">10.32</p> <p style="padding-left: 40px;">10.98</p> <p style="padding-left: 40px;">11.64</p> <p style="padding-left: 40px;">12.30</p> <p style="padding-left: 40px;">12.96</p> <p style="padding-left: 40px;">14.74</p> <p style="padding-left: 40px;">16.01</p> <p style="padding-left: 40px;">17.33</p>
<p>2. Stainless Steel Pipe</p> <p style="padding-left: 40px;">13 mm Ø (1/2")</p> <p style="padding-left: 40px;">20 " (3/4")</p> <p style="padding-left: 40px;">25 " (1")</p> <p style="padding-left: 40px;">32 " (1 1/4")</p> <p style="padding-left: 40px;">38 " (1 1/2")</p> <p style="padding-left: 40px;">50 " (2")</p> <p style="padding-left: 40px;">63 " (2 1/2")</p> <p style="padding-left: 40px;">75 " (3")</p> <p style="padding-left: 40px;">100 " (4")</p>	<p style="padding-left: 40px;">0.53</p> <p style="padding-left: 40px;">0.69</p> <p style="padding-left: 40px;">1.00</p> <p style="padding-left: 40px;">1.34</p> <p style="padding-left: 40px;">1.59</p> <p style="padding-left: 40px;">2.14</p> <p style="padding-left: 40px;">3.42</p> <p style="padding-left: 40px;">4.66</p> <p style="padding-left: 40px;">6.72</p>

Jadual faktor pelarasan bagi paip air dan paip pementungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
<p style="text-align: center;">Paip air <i>Water pipe</i></p> <p>3. Ductile Iron Pipe</p> <p style="margin-left: 40px;">100 mm Ø</p> <p style="margin-left: 40px;">150 "</p> <p style="margin-left: 40px;">200 "</p> <p style="margin-left: 40px;">250 "</p> <p style="margin-left: 40px;">300 "</p> <p style="margin-left: 40px;">350 "</p> <p style="margin-left: 40px;">400 "</p> <p style="margin-left: 40px;">450 "</p> <p style="margin-left: 40px;">500 "</p> <p style="margin-left: 40px;">600 "</p> <p style="margin-left: 40px;">700 "</p>	<p style="margin-left: 100px;">0.35</p> <p style="margin-left: 100px;">0.45</p> <p style="margin-left: 100px;">0.60</p> <p style="margin-left: 100px;">0.79</p> <p style="margin-left: 100px;">1.00</p> <p style="margin-left: 100px;">1.25</p> <p style="margin-left: 100px;">1.50</p> <p style="margin-left: 100px;">1.78</p> <p style="margin-left: 100px;">2.05</p> <p style="margin-left: 100px;">2.70</p> <p style="margin-left: 100px;">3.50</p>
<p>4. High Density Polyethylene (HDPE) Pipe</p> <p>i. Compression Fitting Using For Jointing</p> <p style="margin-left: 40px;">20 mm Ø</p> <p style="margin-left: 40px;">25 "</p> <p style="margin-left: 40px;">32 "</p> <p style="margin-left: 40px;">40 "</p> <p style="margin-left: 40px;">50 "</p> <p style="margin-left: 40px;">63 "</p> <p style="margin-left: 40px;">75 "</p> <p style="margin-left: 40px;">90 "</p> <p>ii. Electrofusion Jointing</p> <p style="margin-left: 40px;">110 mm Ø</p> <p style="margin-left: 40px;">125 "</p> <p style="margin-left: 40px;">140 "</p> <p style="margin-left: 40px;">160 "</p> <p style="margin-left: 40px;">180 "</p> <p style="margin-left: 40px;">200 "</p> <p style="margin-left: 40px;">225 "</p> <p style="margin-left: 40px;">250 "</p> <p style="margin-left: 40px;">280 "</p> <p style="margin-left: 40px;">315 "</p> <p style="margin-left: 40px;">355 "</p> <p style="margin-left: 40px;">400 "</p> <p style="margin-left: 40px;">450 "</p> <p style="margin-left: 40px;">500 "</p> <p style="margin-left: 40px;">560 "</p>	<p style="margin-left: 100px;">0.69</p> <p style="margin-left: 100px;">1.00</p> <p style="margin-left: 100px;">1.63</p> <p style="margin-left: 100px;">2.59</p> <p style="margin-left: 100px;">3.93</p> <p style="margin-left: 100px;">6.18</p> <p style="margin-left: 100px;">8.83</p> <p style="margin-left: 100px;">12.68</p> <p style="margin-left: 100px;">0.48</p> <p style="margin-left: 100px;">0.63</p> <p style="margin-left: 100px;">0.80</p> <p style="margin-left: 100px;">1.00</p> <p style="margin-left: 100px;">1.30</p> <p style="margin-left: 100px;">1.54</p> <p style="margin-left: 100px;">1.96</p> <p style="margin-left: 100px;">2.46</p> <p style="margin-left: 100px;">3.27</p> <p style="margin-left: 100px;">3.97</p> <p style="margin-left: 100px;">6.29</p> <p style="margin-left: 100px;">7.80</p> <p style="margin-left: 100px;">12.98</p> <p style="margin-left: 100px;">17.76</p> <p style="margin-left: 100px;">21.02</p>

Jadual faktor pelarasan bagi paip air dan paip pembedungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
<p style="text-align: center;">Paip air <i>Water pipe</i></p> <p>iii. Butt Fussion</p> <p style="padding-left: 40px;">110 mm Ø</p> <p style="padding-left: 40px;">125 "</p> <p style="padding-left: 40px;">140 "</p> <p style="padding-left: 40px;">160 "</p> <p style="padding-left: 40px;">180 "</p> <p style="padding-left: 40px;">200 "</p> <p style="padding-left: 40px;">225 "</p> <p style="padding-left: 40px;">250 "</p> <p style="padding-left: 40px;">280 "</p> <p style="padding-left: 40px;">315 "</p> <p style="padding-left: 40px;">355 "</p> <p style="padding-left: 40px;">400 "</p> <p style="padding-left: 40px;">450 "</p> <p style="padding-left: 40px;">500 "</p> <p style="padding-left: 40px;">560 "</p>	<p style="text-align: right;">0.48</p> <p style="text-align: right;">0.62</p> <p style="text-align: right;">0.76</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.25</p> <p style="text-align: right;">1.56</p> <p style="text-align: right;">1.94</p> <p style="text-align: right;">2.38</p> <p style="text-align: right;">2.97</p> <p style="text-align: right;">3.76</p> <p style="text-align: right;">4.79</p> <p style="text-align: right;">6.06</p> <p style="text-align: right;">7.90</p> <p style="text-align: right;">7.90</p> <p style="text-align: right;">12.61</p>

Jadual faktor pelarasan bagi paip air dan paip pembedungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
<p style="text-align: center;">Paip pembedungan <i>Sewerage pipe</i></p> <p>1. Mild Steel Pipe</p> <p style="padding-left: 40px;">100 mm Ø</p> <p style="padding-left: 40px;">125 "</p> <p style="padding-left: 40px;">150 "</p> <p style="padding-left: 40px;">200 "</p> <p style="padding-left: 40px;">250 "</p> <p style="padding-left: 40px;">300 "</p> <p style="padding-left: 40px;">350 "</p> <p style="padding-left: 40px;">400 "</p> <p style="padding-left: 40px;">450 "</p> <p style="padding-left: 40px;">500 "</p> <p style="padding-left: 40px;">550 "</p> <p style="padding-left: 40px;">600 "</p> <p style="padding-left: 40px;">650 "</p> <p style="padding-left: 40px;">700 "</p> <p style="padding-left: 40px;">750 "</p> <p style="padding-left: 40px;">800 "</p> <p style="padding-left: 40px;">850 "</p> <p style="padding-left: 40px;">900 "</p> <p style="padding-left: 40px;">950 "</p> <p style="padding-left: 40px;">1000 "</p> <p style="padding-left: 40px;">1200 "</p> <p style="padding-left: 40px;">1400 "</p> <p style="padding-left: 40px;">1600 "</p> <p style="padding-left: 40px;">1800 "</p> <p style="padding-left: 40px;">2000 "</p> <p style="padding-left: 40px;">2100 "</p> <p style="padding-left: 40px;">2200 "</p>	<p style="padding-left: 40px;">0.40</p> <p style="padding-left: 40px;">0.50</p> <p style="padding-left: 40px;">0.59</p> <p style="padding-left: 40px;">0.79</p> <p style="padding-left: 40px;">0.99</p> <p style="padding-left: 40px;">1.00</p> <p style="padding-left: 40px;">1.38</p> <p style="padding-left: 40px;">1.58</p> <p style="padding-left: 40px;">1.78</p> <p style="padding-left: 40px;">1.98</p> <p style="padding-left: 40px;">2.20</p> <p style="padding-left: 40px;">2.37</p> <p style="padding-left: 40px;">2.50</p> <p style="padding-left: 40px;">2.77</p> <p style="padding-left: 40px;">2.96</p> <p style="padding-left: 40px;">3.16</p> <p style="padding-left: 40px;">3.40</p> <p style="padding-left: 40px;">3.56</p> <p style="padding-left: 40px;">3.80</p> <p style="padding-left: 40px;">3.95</p> <p style="padding-left: 40px;">4.74</p> <p style="padding-left: 40px;">5.53</p> <p style="padding-left: 40px;">6.32</p> <p style="padding-left: 40px;">7.11</p> <p style="padding-left: 40px;">7.91</p> <p style="padding-left: 40px;">8.30</p> <p style="padding-left: 40px;">8.70</p>
<p>2. Ductile Iron Pipe</p> <p style="padding-left: 40px;">80 mm Ø</p> <p style="padding-left: 40px;">100 "</p> <p style="padding-left: 40px;">150 "</p> <p style="padding-left: 40px;">200 "</p> <p style="padding-left: 40px;">250 "</p> <p style="padding-left: 40px;">300 "</p> <p style="padding-left: 40px;">350 "</p> <p style="padding-left: 40px;">400 "</p> <p style="padding-left: 40px;">450 "</p> <p style="padding-left: 40px;">500 "</p> <p style="padding-left: 40px;">600 "</p> <p style="padding-left: 40px;">700 "</p> <p style="padding-left: 40px;">800 "</p> <p style="padding-left: 40px;">1000 "</p> <p style="padding-left: 40px;">1200 "</p>	<p style="padding-left: 40px;">0.35</p> <p style="padding-left: 40px;">0.40</p> <p style="padding-left: 40px;">0.60</p> <p style="padding-left: 40px;">0.80</p> <p style="padding-left: 40px;">1.00</p> <p style="padding-left: 40px;">1.20</p> <p style="padding-left: 40px;">1.40</p> <p style="padding-left: 40px;">1.60</p> <p style="padding-left: 40px;">1.80</p> <p style="padding-left: 40px;">2.00</p> <p style="padding-left: 40px;">2.40</p> <p style="padding-left: 40px;">2.80</p> <p style="padding-left: 40px;">3.20</p> <p style="padding-left: 40px;">3.40</p> <p style="padding-left: 40px;">3.60</p>

Jadual faktor pelarasan bagi paip air dan paip pembedungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembedungan <i>Sewerage pipe</i>	
i. HDPE (Profile) Pipe	
100 mm Ø	0.64
125 "	0.80
150 "	1.00
200 "	1.73
250 "	1.28
300 "	4.10
350 "	7.50
400 "	10.55
450 "	12.00
500 "	17.00
550 "	19.31
600 "	19.32
650 "	19.50
700 "	20.25
750 "	21.27
800 "	25.60
850 "	31.07
900 "	35.00
950 "	38.19
1000 "	54.82
1200 "	74.00
1400 "	94.00
1600 "	123.23
1800 "	165.00
2000 "	207.35
2100 "	300.00
2200 "	400.00
ii. HDPE (Solid) Pipe	
100 mm Ø	0.20
125 "	0.25
150 "	0.50
200 "	0.65
250 "	1.00
300 "	1.50
350 "	2.00
400 "	2.69
450 "	3.51
500 "	4.48
550 "	5.50
600 "	6.00
650 "	7.50
700 "	8.50
750 mm Ø	10.00

Jadual faktor pelarasan bagi paip air dan paip pembedungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
<p style="text-align: center;">Paip pembedungan <i>Sewerage pipe</i></p> <p style="text-align: center;">800 "</p> <p style="text-align: center;">850 "</p> <p style="text-align: center;">900 "</p> <p style="text-align: center;">950 "</p> <p style="text-align: center;">1000 "</p> <p style="text-align: center;">1200 "</p> <p style="text-align: center;">1400 "</p> <p style="text-align: center;">1600 "</p> <p style="text-align: center;">1800 "</p> <p style="text-align: center;">2000 "</p> <p style="text-align: center;">2100 "</p> <p style="text-align: center;">2200 "</p>	<p style="text-align: right;">11.75</p> <p style="text-align: right;">15.00</p> <p style="text-align: right;">16.50</p> <p style="text-align: right;">18.00</p> <p style="text-align: right;">20.40</p> <p style="text-align: right;">24.00</p> <p style="text-align: right;">26.00</p> <p style="text-align: right;">32.00</p> <p style="text-align: right;">36.00</p> <p style="text-align: right;">38.00</p> <p style="text-align: right;">42.00</p> <p style="text-align: right;">45.00</p>
<p>4. Vitrified Clay Pipe</p> <p>i. Vitrified Clay (Standard) Pipe</p> <p style="text-align: center;">100 mm Ø</p> <p style="text-align: center;">150 "</p> <p style="text-align: center;">200 "</p> <p style="text-align: center;">225 "</p> <p style="text-align: center;">300 "</p> <p style="text-align: center;">375 "</p> <p style="text-align: center;">400 "</p> <p style="text-align: center;">450 "</p> <p style="text-align: center;">500 "</p> <p style="text-align: center;">600 "</p> <p style="text-align: center;">700 "</p> <p style="text-align: center;">800 "</p> <p>ii. Vitrified Clay (Jacking) Pipe</p> <p style="text-align: center;">100 mm Ø</p> <p style="text-align: center;">150 "</p> <p style="text-align: center;">200 "</p> <p style="text-align: center;">225 "</p> <p style="text-align: center;">300 "</p> <p style="text-align: center;">375 "</p> <p style="text-align: center;">400 "</p> <p style="text-align: center;">450 "</p> <p style="text-align: center;">500 "</p> <p style="text-align: center;">600 "</p> <p style="text-align: center;">700 "</p> <p style="text-align: center;">800 "</p>	<p style="text-align: right;">0.40</p> <p style="text-align: right;">0.52</p> <p style="text-align: right;">0.84</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">2.37</p> <p style="text-align: right;">4.24</p> <p style="text-align: right;">4.95</p> <p style="text-align: right;">5.63</p> <p style="text-align: right;">7.96</p> <p style="text-align: right;">11.78</p> <p style="text-align: right;">14.33</p> <p style="text-align: right;">14.50</p> <p style="text-align: right;">0.80</p> <p style="text-align: right;">0.85</p> <p style="text-align: right;">0.90</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.60</p> <p style="text-align: right;">1.87</p> <p style="text-align: right;">2.17</p> <p style="text-align: right;">2.60</p> <p style="text-align: right;">3.22</p> <p style="text-align: right;">3.75</p> <p style="text-align: right;">4.15</p> <p style="text-align: right;">4.65</p>

Jadual faktor pelarasan bagi paip air dan paip pembedungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembedungan <i>Sewerage pipe</i>	
5. Reinforced Concrete Pipe (RCP)	
i. Without Lining	
375 mm Ø 450 " 600 " 750 " 900 " 1050 " 1200 " 1350 " 1500 " 1650 " 1800 "	0.26 0.31 0.47 0.69 1.00 1.33 1.56 1.97 2.44 2.80 3.59
ii. With Lining (High Alumina)	
375 mm Ø 450 " 600 " 750 " 900 " 1050 " 1200 " 1350 " 1500 " 1650 " 1800 "	0.26 0.31 0.47 0.69 1.00 1.33 1.56 1.97 2.44 2.80 3.59
iii. With Lining (Sacrificial Lining)	
375 mm Ø 450 " 600 " 750 " 900 " 1050 " 1200 " 1350 " 1500 " 1650 " 1800 "	0.26 0.31 0.47 0.69 1.00 1.33 1.56 1.97 2.44 2.80 3.59

Jadual faktor pelarasan bagi paip air dan paip pembedungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembedungan <i>Sewerage pipe</i>	
6. ABS Pipe	
i. Gravity	
90 mm Ø	0.67
110 "	1.00
150 "	2.07
225 "	3.64
315 "	7.10
ii. Force Main	
15 mm Ø	0.01
20 "	0.02
25 "	0.03
32 "	0.04
40 "	0.05
50 "	0.08
65 "	0.15
80 "	0.18
100 "	0.30
150 "	0.61
200 "	1.13
225 "	1.00
250 "	3.73
280 "	1.48
315 "	1.87
355 "	2.37
400 "	3.01
450 "	3.81
500 "	4.71
630 "	7.47

NOTA TEKNIKAL
TECHNICAL NOTES

NOTA TEKNIKAL

Harga bar keluli, simen dan *fabric reinforcement* yang diterbitkan dalam Siaran Khas 1 ini diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia.

Harga yang dilaporkan adalah mengikut 3 kawasan di Semenanjung Malaysia seperti berikut:

Utara	=	Perlis, Kedah, Pulau Pinang dan Perak
Tengah	=	Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor dan Johor
Timur	=	Pahang, Terengganu dan Kelantan

Harga bitumen penembusan 80/100 adalah berdasarkan harga purata ex-Kuala Lumpur.

Harga diesel diperoleh daripada Kementerian Perdagangan Dalam Negeri, Koperasi dan Kepenggunaan.

Harga paip air dan paip pembetungan diperoleh daripada persatuan pembekal. Faktor pelarasan bagi kategori dan saiz paip yang tidak diterbitkan dalam Siaran Khas 1 ini adalah seperti di Lampiran A.

Harga bagi bahan-bahan binaan lain (yang tidak dinyatakan di atas) adalah diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia.

Semua harga yang tersebut di atas adalah bagi tujuan pengiraan kadar perubahan harga sahaja dan tidak boleh digunakan untuk mewakili kedudukan harga yang sebenar.

TECHNICAL NOTES

The prices for steel bars, cement and fabric reinforcement published in this Special Release 1 are obtained from the price collection conducted by Department of Statistics, Malaysia.

Prices are reported according to 3 regions in Peninsular Malaysia as follows:

<i>North</i>	<i>=</i>	<i>Perlis, Kedah, Pulau Pinang and Perak</i>
<i>Central</i>	<i>=</i>	<i>Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor and Johor</i>
<i>East</i>	<i>=</i>	<i>Pahang, Terengganu and Kelantan</i>

The Bitumen 80/100 Penetration is based on the average ex-Kuala Lumpur.

The price for diesel is obtained from the Ministry of Domestic Trade, Co-operatives and Consumerism.

The prices for water pipe and sewerage pipe are obtained from the supplier associations. The adjustment factors for the other categories and sizes not published in this Special Release 1 are shown in Appendix A.

The prices for other building materials (not stated above) are obtained from the price collection conducted by Department of Statistics, Malaysia.

All prices mentioned above are relevant for escalation purposes only and should not be used to represent actual price levels.

**Jadual Tarikh pengeluaran Siaran Khas 1 (Untuk Kerja-Kerja Kejuruteraan Awam),
Semenanjung Malaysia, Januari - Disember 2016**

*Schedule Of Release Dates For Special Release 1 (For Civil Engineering Works),
Peninsular Malaysia, January - December 2016*

Bulan Rujukan <i>Reference Month</i>	Tarikh <i>Date</i>
Januari 2016 <i>January 2016</i>	10 Februari 2016 <i>10 February 2016</i>
Februari 2016 <i>February 2016</i>	10 Mac 2016 <i>10 March 2016</i>
Mac 2016 <i>March 2016</i>	11 April 2016 <i>11 April 2016</i>
April 2016 <i>April 2016</i>	10 Mei 2016 <i>10 May 2016</i>
Mei 2016 <i>May 2016</i>	10 Jun 2016 <i>10 June 2016</i>
Jun 2016 <i>June 2016</i>	11 Julai 2016 <i>11 July 2016</i>
Julai 2016 <i>July 2016</i>	10 Ogos 2016 <i>10 August 2016</i>
Ogos 2016 <i>August 2016</i>	09 September 2016 <i>09 September 2016</i>
September 2016 <i>September 2016</i>	10 Oktober 2016 <i>10 October 2016</i>
Oktober 2016 <i>October 2016</i>	10 November 2016 <i>10 November 2016</i>
November 2016 <i>November 2016</i>	09 Disember 2016 <i>09 December 2016</i>
Disember 2016 <i>December 2016</i>	10 Januari 2017 <i>10 January 2017</i>
