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1

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Pemakluman / Announcement:

Jabatan Perangkaan Malaysia sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022.

Department of Statistics Malaysia is conducting Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah
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*Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is
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JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

"Sumber: Jabatan Perangkaan Malaysia".

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JADUAL
TABLE

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
1.1 Bar Bulat Keluli Lembut BS-4449		RM Per Tan Metrik		
<i>Mild Steel Round Bars BS-4449</i>		<i>RM Per Metric Ton</i>		
1.1.1 10mm (3/8")	2020 Dis	2587.22	2384.34	2554.37
	2021 Jan	2644.12	2388.02	2752.32
	Feb	2681.73	2391.57	2943.09
	Mac	2716.86	2427.91	2965.98
	Apr	2786.63	2463.45	2989.22
	Mei	2872.63	2463.45	2989.22
	Jun	2943.05	2464.24	3057.57
	Jul	3128.59	2464.24	3153.31
	Ogos	3154.45	2464.24	3189.33
	Sept	3154.45	2479.22	3197.08
	Okt	3202.33	2503.03	3197.08
	Nov	3191.53	2558.64	3205.79
	Dis	3197.01	2635.11	3205.79
1.1.2 12mm (1/2")	2020 Dis	2598.24	2422.66	2604.37
	2021 Jan	2656.14	2429.89	2698.76
	Feb	2693.85	2429.89	2794.56
	Mac	2729.08	2429.89	2832.72
	Apr	2800.08	2476.91	2855.83
	Mei	2886.30	2476.91	2855.83
	Jun	2956.82	2477.69	2923.81
	Jul	3138.36	2477.69	3021.99
	Ogos	3164.39	2477.69	3064.33
	Sept	3164.39	2507.68	3072.08
	Okt	3212.57	2534.08	3072.08
	Nov	3201.73	2586.52	3080.79
	Dis	3207.25	2642.48	3080.79
1.1.3 16mm (5/8")	2020 Dis	2530.61	2406.09	2605.08
	2021 Jan	2578.38	2417.77	2709.69
	Feb	2655.12	2433.96	2767.99
	Mac	2714.49	2417.77	2768.42
	Apr	2803.04	2463.39	2804.77
	Mei	2889.30	2463.39	2804.77
	Jun	2959.81	2463.39	2870.43
	Jul	3136.33	2463.39	2966.09
	Ogos	3162.37	2463.39	2971.68
	Sept	3162.37	2490.50	2989.05
	Okt	3210.55	2526.75	2989.05
	Nov	3220.52	2583.88	2995.82
	Dis	3226.04	2660.63	2995.82

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>
1.1 Bar Bulat Keluli Lembut BS-4449 (samb.) <i>Mild Steel Round Bars BS-4449 (cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
1.1.4 20mm–25mm (3/4"–1")	2020 Dis	2476.79	2371.48	2654.88
	2021 Jan	2504.42	2393.46	2710.57
	Feb	2504.42	2386.56	2762.42
	Mac	2562.46	2375.33	2754.61
	Apr	2664.80	2406.88	2754.61
	Mei	2761.18	2406.88	2754.61
	Jun	2831.14 ^f	2406.88 ^f	2836.07 ^f
	Jul	2888.23	2406.88	2863.81
	Ogos	2914.54	2406.88	2867.24
	Sept	2914.54 ^f	2435.06	2867.24
	Okt	2963.51	2466.65	2867.24
	Nov	2957.34	2513.04	2867.24
	Dis	2973.36	2567.98	2867.24
1.1.5 32mm (1 1/4")	2020 Dis	2683.22	2504.68	2718.66
	2021 Jan	2683.22	2527.48	2718.66
	Feb	2683.22	2545.70	2718.66
	Mac	2746.60	2527.48	2718.66
	Apr	2906.90	2578.81	2718.66
	Mei	2938.66	2578.81	2718.66
	Jun	2938.66	2578.81	2718.66
	Jul	3046.91	2578.81	2718.66
	Ogos	3134.41	2578.81	2718.66
	Sept	3134.41 ^f	2621.70	2718.66
	Okt	3134.41	2676.06	2718.66
	Nov	3134.41	2749.13	2718.66
	Dis	3134.41	2863.24	2718.66
1.2 Mycon 60 <i>High Tensile Deformed Bars</i>				
1.2.1 10mm (3/8")	2020 Dis	2507.89	2435.56	2560.79
	2021 Jan	2564.10	2461.13	2751.96
	Feb	2600.83	2461.13	2947.23
	Mac	2652.43	2554.49	3073.05
	Apr	2750.22	2569.41	3185.15
	Mei	2824.05	2569.41	3210.15
	Jun	2887.04	2592.16	3301.79
	Jul	3086.56	2592.16	3506.11
	Ogos	3130.38	2592.16	3516.14
	Sept	3130.38	2626.32 ^f	3544.43
	Okt	3179.18	2657.62	3544.43
	Nov	3180.70	2716.99	3544.43
	Dis	3178.73	2772.29	3544.43

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
1.2 Mycon 60 (Samb.) High Tensile Deformed Bars (Cont'd)		RM Per Tan Metrik RM Per Metric Ton		
1.2.2 12mm (1/2")	2020 Dis	2514.94	2448.22	2510.79
	2021 Jan	2571.84	2473.80	2688.18
	Feb	2607.61	2473.80	2870.08
	Mac	2657.84	2582.47	3073.05
	Apr	2753.55	2591.23	3185.15
	Mei	2827.76	2591.23	3210.15
	Jun	2891.15	2614.00	3298.63
	Jul	3078.16	2594.08	3502.80
	Ogos	3122.26	2594.08	3516.14
	Sept	3122.26	2628.25 ^r	3519.43
	Okt	3171.38	2659.57	3519.43
	Nov	3177.96	2722.58	3544.43
	Dis	3176.15	2816.30	3544.43
1.2.3 16mm–25mm (5/8"–1")	2020 Dis	2422.72	2304.44	2591.86
	2021 Jan	2481.43	2330.33	2706.85
	Feb	2500.83	2330.33	2839.91
	Mac	2523.77	2412.37	2861.72
	Apr	2624.70	2416.58	2910.06
	Mei	2704.04	2416.58	2917.92
	Jun	2764.73 ^r	2440.75 ^r	3033.74 ^r
	Jul	2960.40	2440.75	3156.68
	Ogos	3010.86	2440.75	3180.05
	Sept	3023.07 ^r	2460.81 ^r	3188.31
	Okt	3077.20	2492.54	3188.31
	Nov	3065.14	2561.88	3188.31
	Dis	3071.24	2644.75	3188.31
1.2.4 32mm (1 1/4")	2020 Dis	2380.09	2325.33	2754.41
	2021 Jan	2443.45	2337.34	2754.41
	Feb	2443.45	2337.34	2754.41
	Mac	2488.06	2412.78	2754.41
	Apr	2589.46	2412.78	2754.41
	Mei	2677.65	2412.78	2754.41
	Jun	2742.38	2412.78	2754.41
	Jul	2800.84	2412.78	2754.41
	Ogos	2842.58	2412.78	2754.41
	Sept	2842.58 ^r	2430.90 ^r	2754.41
	Okt	2906.89	2446.76	2754.41
	Nov	2896.30	2450.23	2754.41
	Dis	2949.10	2519.77	2754.41

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
1.3 Simen		RM Sekarung 50 Kg		
<i>Cement</i>		<i>RM Per 50 Kg Bag</i>		
1.3.1 Portland Biasa	2020 Dis	16.64	17.86	17.98
BS 12	2021 Jan	16.68	17.83	17.40
<i>Ordinary</i>	Feb	16.43	17.86	16.93
<i>Portland BS 12</i>	Mac	16.32	17.97	16.93
	Apr	16.45	18.00	17.01
	Mei	16.33	18.00	17.12
	Jun	16.43	17.90	17.07
	Jul	16.51	17.90	17.53
	Ogos	16.69	17.90	17.79
	Sept	17.06 ^f	17.96	17.79 ^f
	Okt	17.17	17.99	17.97
	Nov	17.36	18.41	18.38
	Dis	17.53	18.46	18.60

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

Item	Tempoh Period	Semenanjung Malaysia Peninsular Malaysia
2.1 Minyak Bahan Api <i>Fuel Oil</i>		RM Seliter <i>RM Per Litre</i>
2.1.1 Sederhana <i>Medium</i>	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
2.2 Bitumen Penembusan 60/70 <i>Bitumen 60/70 Penetration</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>
	2020 Dis	2300.00 ^r
	2021 Jan	2100.00 ^r
	Feb	2100.00 ^r
	Mac	2200.00 ^r
	Apr	2300.00
	Mei	2200.00 ^r
	Jun	2000.00 ^r
	Jul	2200.00
	Ogos	2200.00
	Sept	2100.00
	Okt	2250.00
	Nov	2400.00
	Dis	2400.00

Nota: Bermula Mei 2017, bitumen penembusan 80/100 telah ditukar kepada 60/70. Harga bitumen penembusan 60/70 adalah berdasarkan harga purata ex-Kuala Lumpur.

Notes: Starting May 2017, the bitumen 80/100 penetration has been converted into 60/70. The price for bitumen 60/70 penetration is based on average ex-Kuala Lumpur.

Jadual 2: Harga unit purata bagi minyak bahan api, bitumen dan diesel (samb.)

Table 2: Average unit prices for fuel oil, bitumen and diesel (cont'd)

Item	Tempoh Period	Semenanjung Malaysia Peninsular Malaysia	
(3) Minyak Gas Automotif Automotive Gas Oil		RM Seliter RM Per Litre	
		Runcit Retail	Sebenar Actual
Diesel <i>Diesel</i>	2020 Jan	2.18	n.a.
	Feb	2.13	n.a.
	Mac	1.88 ^r	n.a.
	Apr	1.49	n.a.
	Mei	1.45	n.a.
	Jun	1.72	n.a.
	Jul	1.85	n.a.
	Ogos	1.81	n.a.
	Sept	1.73	n.a.
	Okt	1.72	n.a.
	Nov	1.75	n.a.
	Dis	1.93	n.a.
	2021 Jan	2.04	n.a.
	Feb	2.13	n.a.
	Mac	2.15	n.a.
	Apr	2.15	n.a.
	Mei	2.15	n.a.
	Jun	2.15	n.a.
	Jul	2.15	n.a.
	Ogos	2.15	n.a.
	Sept	2.15	n.a.
	Okt	2.15	n.a.
	Nov	2.15	n.a.
	Dis	2.15	n.a.

Harga diesel adalah ex-Kuala Lumpur.

The price for diesel is ex-Kuala Lumpur.

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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.1 Pasir Sand		RM Per Tan Metrik RM Per Metric Ton		
3.1.1 Pasir Sungai River Sand	2020 Dis	89.77	53.86	36.26
	2021 Jan	42.23 ^f	53.86	36.26
	Feb	42.23 ^f	53.86	36.26
	Mac	42.81 ^f	53.86	36.25
	Apr	44.28 ^f	53.86	36.25
	Mei	44.28	53.86	36.25
	Jun	44.28 ^f	52.53	34.55 ^f
	Jul	46.36	51.63	34.55
	Ogos	47.36	51.31	34.55
	Sept	47.91	51.31 ^f	34.55
	Okt	47.91	54.40	34.55
	Nov	47.92	56.01	34.55
	Dis	47.92	55.37	33.69
3.1.2 Pasir Lombong Mining Sand	2020 Dis	37.56	53.52	n.a.
	2021 Jan	37.56	53.60	n.a.
	Feb	37.56	53.60	n.a.
	Mac	37.56	53.60	n.a.
	Apr	43.64	53.72	n.a.
	Mei	43.64	53.72	n.a.
	Jun	43.64	54.26	n.a.
	Jul	43.64	53.77	n.a.
	Ogos	43.64	53.59	n.a.
	Sept	43.64	53.59	n.a.
	Okt	44.64	53.59	n.a.
	Nov	46.14	53.46	n.a.
	Dis	46.14	53.14	n.a.
3.2 Batu Baur Aggregates				
3.2.1 Granite 10mm (3/8")	2020 Dis	29.63	30.50	31.38
	2021 Jan	29.63	30.50	31.38
	Feb	29.65	30.50	31.38
	Mac	29.65	30.50	31.38
	Apr	31.06	31.00	31.38
	Mei	32.31	31.00	31.38
	Jun	33.19	29.95	31.38
	Jul	32.31	29.95	31.38
	Ogos	33.31	29.97	31.97
	Sept	33.38	29.97	31.97
	Okt	33.38	30.96	31.97
	Nov	33.38	31.29	31.97
	Dis	33.38	29.44	31.91

Nota: Harga bagi pasir, batu baur dan premix adalah termasuk kos pengangkutan bagi jarak 30km dari outlet.

Notes: 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 pembetungan (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		
		Utara North	Tengah Central	Timur East
3.2 Batu Baur (Samb.)		RM Per Tan Metrik		
<i>Aggregates (Cont'd)</i>		<i>RM Per Metric Ton</i>		
3.2.2 Granite	2020 Dis	36.77	32.23	31.56
20mm (3/4")	2021 Jan	37.24 ⁱ	31.94	31.79
	Feb	37.24 ⁱ	31.94	31.79
	Mac	37.52 ⁱ	31.94	31.79
	Apr	39.13 ⁱ	33.21	31.79
	Mei	39.68 ^f	33.21	31.79
	Jun	39.82	32.04	31.79
	Jul	39.46	32.83	31.79
	Ogos	44.19	33.03	31.79
	Sept	42.09	33.03 ⁱ	31.79
	Okt	43.45	33.17	31.79
	Nov	44.64	34.32	31.79
	Dis	45.14	32.71	31.95
3.2.3 Granite	2020 Dis	28.13	29.61	28.16
40mm (1 1/2")	2021 Jan	28.13	29.52	29.12
	Feb	28.13	29.52	29.12
	Mac	28.13	29.52	29.12
	Apr	28.13	29.52	29.12
	Mei	28.13	29.55	29.12
	Jun	28.13	29.97	29.12
	Jul	28.13	29.72	29.12
	Ogos	32.33	29.72	29.12
	Sept	32.33	29.72	29.72
	Okt	32.33	29.72	29.72
	Nov	32.33	29.72	29.72
	Dis	32.33	29.69	29.72
3.2.4 Crushed Aggregate	2020 Dis	19.67	24.12	18.95
(Crusher Run)	2021 Jan	20.00	24.20	18.95
	Feb	20.00	24.20	18.95
	Mac	20.00	24.20	18.95
	Apr	19.55	24.65	18.95
	Mei	19.55	23.59	18.95
	Jun	19.55 ^f	21.81	18.95
	Jul	19.55	23.09	18.95
	Ogos	20.77	23.34	20.61
	Sept	20.77	23.34	20.61
	Okt	20.77	24.54	20.61
	Nov	20.86	24.99	20.61
	Dis	21.05	24.19	21.59

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
				Utara North	Tengah Central	Timur East
3.3.a Premix Asphaltic Concrete				RM Per Tan Metrik RM Per Metric Ton		
3.3.a.1 AC 10 (Wearing Course)	2020 Dis 2021 Jan Feb Mac Apr Mei Jun Jul Ogos Sept Okt Nov Dis		159.67	169.08	258.00	
			159.67	169.09	258.00	
			166.33	169.09	258.00	
			166.33	169.09	258.00	
			166.33	169.09	258.00	
			166.33	169.09	258.00	
			166.33	160.50	258.00	
			166.33	160.50	258.00	
			166.33	160.50	258.00	
			166.33	160.50	258.00	
			166.33	165.00	258.00	
			168.67	165.00	258.00	
			168.50	165.45	258.00	
3.3.a.2 AC 14 (Wearing Course)	2020 Dis 2021 Jan Feb Mac Apr Mei Jun Jul Ogos Sept Okt Nov Dis		159.60	182.08	198.67	
			159.60	182.08	200.33	
			163.60	182.08	199.33	
			163.60	182.08	201.00	
			163.60	182.08	202.67	
			163.60	182.08	202.67	
			163.60	175.45	202.67	
			163.60	175.45	202.67	
			163.60	175.45	202.67	
			165.60	175.45	202.67	
			165.60	182.00	202.67	
			170.40	183.50	206.00	
			170.50	178.33	204.33	
3.3.a.3 AC 28 (Binder Course)	2020 Dis 2021 Jan Feb Mac Apr Mei Jun Jul Ogos Sept Okt Nov Dis		156.40	176.91	195.33	
			156.40	176.91	197.00	
			159.80	176.91	195.33	
			159.80	176.91	197.67	
			159.80	176.91	199.33	
			159.80	176.91	199.33	
			159.80	168.60	199.33	
			159.80	168.60	199.33	
			159.80	168.60	199.33	
			161.80	168.60	199.33	
			161.80	172.60	199.33	
			167.40	172.60	202.67	
			167.75	171.45	201.00	

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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>
3.3.a Premix Asphaltic Concrete (samb.) <i>(cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
3.3.a.4 ACW 20 (Wearing Course)	2020 Dis	164.20	183.00	210.50
	2021 Jan	164.20	183.00	213.00
	Feb	168.20	183.00	210.50
	Mac	168.20	183.00	214.00
	Apr	168.20	183.00	216.50
	Mei	168.20	183.00	216.50
	Jun	168.20 ^r	175.80	216.50
	Jul	168.20 ^r	175.80	216.50
	Ogos	168.20	175.80	216.50
	Sept	170.20	175.80	216.50
	Okt	170.20	182.00	216.50
	Nov	173.60	183.67	221.50
	Dis	174.75	178.00	219.00

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.3.b Premix Bituminous Macadam		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.1 BMR40 (Bound Roadbase)	2020 Dis	165.00	187.00	n.a.
	2021 Jan	165.00	187.00	n.a.
	Feb	165.00	187.00	n.a.
	Mac	165.00	187.00	n.a.
	Apr	165.00	187.00	n.a.
	Mei	165.00	187.00	n.a.
	Jun	165.00	191.25	n.a.
	Jul	165.00	191.25	n.a.
	Ogos	165.00	195.00	n.a.
	Sept	165.00	195.00	n.a.
	Okt	165.00	220.00	n.a.
	Nov	165.00	220.00	n.a.
	Dis	165.00	180.00	n.a.
3.3.b.2 BMR28 (Bound Roadbase)	2020 Dis	165.00	153.70	n.a.
	2021 Jan	165.00	153.29	n.a.
	Feb	165.00	153.29	n.a.
	Mac	165.00	153.29	n.a.
	Apr	165.00	153.29	n.a.
	Mei	165.00	153.29	n.a.
	Jun	165.00	150.50	n.a.
	Jul	165.00	150.50	n.a.
	Ogos	165.00	144.60	n.a.
	Sept	165.00	144.60	n.a.
	Okt	165.00	174.50	n.a.
	Nov	165.00	174.50	n.a.
	Dis	165.00	166.86	n.a.
3.3.b.3 BML10 (Levelling Course)	2020 Dis	165.00	189.00	156.00
	2021 Jan	165.00	189.00	161.00
	Feb	165.00	189.00	156.00
	Mac	165.00	189.00	163.00
	Apr	165.00	170.43	168.00
	Mei	165.00	189.00	168.00
	Jun	165.00	178.00	168.00
	Jul	165.00	178.00	168.00
	Ogos	165.00	177.60	168.00
	Sept	165.00	177.60	168.00
	Okt	165.00	197.00	168.00
	Nov	165.00	197.00	178.00
	Dis	165.00	184.00	173.00

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.3.b Premix Bituminous Macadam (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.4 BMB28 (Binder Course)	2020 Dis	165.00	180.13	150.00
	2021 Jan	165.00	180.13	155.00
	Feb	165.00	180.13	150.00
	Mac	165.00	180.13	157.00
	Apr	165.00	180.13	162.00
	Mei	165.00	180.13	162.00
	Jun	165.00	170.14	162.00
	Jul	165.00	170.14	162.00
	Ogos	165.00	168.50	162.00
	Sept	165.00	168.50	162.00
	Okt	165.00	175.17	162.00
	Nov	165.00	175.17	162.00
	Dis	165.00	174.50	162.00
3.3.b.5 BMB20 (Binder Course)	2020 Dis	165.00	186.13	195.33
	2021 Jan	165.00	186.13	197.00
	Feb	165.00	186.13	195.33
	Mac	165.00	186.13	197.67
	Apr	165.00	186.13	199.33
	Mei	165.00	186.13	199.33
	Jun	165.00	177.00	199.33
	Jul	165.00	177.00	199.33
	Ogos	165.00	176.50	199.33
	Sept	165.00	176.50	199.33
	Okt	165.00	180.67	199.33
	Nov	165.00	183.17	202.67
	Dis	165.00	181.13	204.00
3.3.b.6 BMW14 (Wearing Course)	2020 Dis	165.00	180.22 ^r	197.00
	2021 Jan	165.00	180.22 ^r	198.67
	Feb	165.00	180.22	197.00
	Mac	165.00	180.22	199.33
	Apr	165.00	180.22	201.00
	Mei	165.00	180.22	201.00
	Jun	165.00	172.13	201.00
	Jul	165.00	172.13	201.00
	Ogos	165.00	171.00	201.00
	Sept	165.00	171.00	201.00
	Okt	165.00	182.83	201.00
	Nov	165.00	187.40	204.33
	Dis	165.00	176.89	206.00

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.3.b Premix Bituminous Macadam (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.7 BMW20 (Wearing Course)	2020 Dis	165.00	180.33	258.00
	2021 Jan	165.00	180.33	258.00
	Feb	165.00	180.33	258.00
	Mac	165.00	180.33	258.00
	Apr	165.00	180.33	258.00
	Mei	165.00	180.33	258.00
	Jun	165.00	172.25	258.00
	Jul	165.00	172.25	258.00
	Ogos	165.00	171.14	258.00
	Sept	165.00	171.14	258.00
	Okt	165.00	181.33	258.00
	Nov	165.00	185.60	258.00
	Dis	165.00	175.22	258.00

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement			RM Per Kg RM Per Kg	
3.4.1 A4, MS145	2020 Dis	3.03	2.85	4.03
	2021 Jan	3.41	2.89	4.06
	Feb	3.41	2.89	4.08
	Mac	3.41	2.89	4.08
	Apr	3.64	3.64	3.71
	Mei	3.64	3.64	4.00
	Jun	3.64	3.64	4.04
	Jul	3.64	3.64	4.05
	Ogos	3.64	3.64	4.05
	Sept	3.64	3.64	4.05
	Okt	3.64	3.64	4.05
	Nov	4.09	3.64	4.05
	Dis	4.09	3.64	4.05
3.4.2 A5, MS145	2020 Dis	2.97	2.90	3.99
	2021 Jan	3.16	2.90	4.03
	Feb	3.16	2.90	4.04
	Mac	3.16	2.90	4.04
	Apr	3.27	3.68	3.68
	Mei	3.27	3.68	3.96
	Jun	3.27	3.68	4.00
	Jul	3.27	3.68	4.01
	Ogos	3.27	3.68	4.01
	Sept	3.27	3.68	4.01
	Okt	3.27	3.68	4.01
	Nov	3.49	3.68	4.01
	Dis	3.49	3.68	4.01
3.4.3 A6, MS145	2020 Dis	2.66	2.88	3.58
	2021 Jan	2.83	2.88	3.61
	Feb	2.83	2.88	3.63
	Mac	2.83	2.88	3.63
	Apr	2.93	3.39	3.30
	Mei	2.93	3.39	3.55
	Jun	2.93	3.39	3.59
	Jul	2.93	3.39	3.60
	Ogos	2.93	3.39	3.60
	Sept	2.93	3.39	3.60
	Okt	2.93	3.39	3.60
	Nov	3.13	3.39	3.60
	Dis	3.13	3.39	3.60

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg RM Per Kg	
3.4.4 A7, MS145	2020 Dis	2.84	2.86	3.58
	2021 Jan	3.01	2.88	3.61
	Feb	3.01	2.88	3.62
	Mac	3.01	2.88	3.62
	Apr	3.11	3.52	3.30
	Mei	3.11	3.52	3.55
	Jun	3.11	3.52	3.59
	Jul	3.11	3.52	3.60
	Ogos	3.11	3.52	3.60
	Sept	3.11	3.52	3.60
	Okt	3.11	3.52	3.60
	Nov	3.31	3.52	3.60
	Dis	3.31	3.52	3.60
3.4.5 A8, MS145	2020 Dis	2.83	2.57	3.58
	2021 Jan	3.00	2.57	3.61
	Feb	3.00	2.57	3.63
	Mac	3.00	2.57	3.63
	Apr	3.10	3.12	3.30
	Mei	3.10	3.12	3.56
	Jun	3.10	3.12	3.59
	Jul	3.10	3.12	3.60
	Ogos	3.10	3.12	3.60
	Sept	3.10	3.12	3.60
	Okt	3.10	3.12	3.60
	Nov	3.31	3.12	3.60
	Dis	3.31	3.12	3.60
3.4.6 A9, MS145	2020 Dis	2.52	2.57	3.58
	2021 Jan	2.69	2.57	3.61
	Feb	2.69	2.57	3.62
	Mac	2.69	2.57	3.62
	Apr	2.79	2.86	3.30
	Mei	2.79	2.86	3.55
	Jun	2.79	2.86	3.59
	Jul	2.79	2.86	3.60
	Ogos	2.79	2.86	3.60
	Sept	2.79	2.86	3.60
	Okt	2.79	2.86	3.60
	Nov	3.00	2.86	3.60
	Dis	3.00	2.86	3.60

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.7 A10, MS145	2020 Dis	2.70	2.44	3.58
	2021 Jan	3.04	2.44	3.61
	Feb	3.04	2.44	3.62
	Mac	3.04	2.44	3.62
	Apr	3.24	2.87	3.30
	Mei	3.24	2.87	3.55
	Jun	3.24	2.87	3.59
	Jul	3.24	2.87	3.60
	Ogos	3.24	2.87	3.60
	Sept	3.24	2.87	3.60
	Okt	3.24	2.87	3.60
	Nov	3.65	2.87	3.60
	Dis	3.65	2.87	3.60
3.4.8 B5, MS145	2020 Dis	3.00	2.87	3.58
	2021 Jan	3.38	2.87	4.01
	Feb	3.38	2.87	4.03
	Mac	3.38	2.87	4.03
	Apr	3.60	3.52	3.67
	Mei	3.60	3.52	3.95
	Jun	3.60	3.52	3.99
	Jul	3.60	3.52	4.00
	Ogos	3.57	3.52	4.00
	Sept	3.57	3.52	4.00
	Okt	3.57	3.52	4.00
	Nov	4.06	3.52	4.00
	Dis	4.06	3.52	4.00
3.4.9 B6, MS145	2020 Dis	2.70	2.58	3.58
	2021 Jan	3.04	2.58	3.61
	Feb	3.04	2.58	3.62
	Mac	3.04	2.58	3.62
	Apr	3.24	3.10	3.30
	Mei	3.24	3.10	3.55
	Jun	3.24	3.10	3.59
	Jul	3.24	3.10	3.60
	Ogos	3.24	3.10	3.60
	Sept	3.24	3.10	3.60
	Okt	3.24	3.10	3.60
	Nov	3.65	3.10	3.60
	Dis	3.65	3.10	3.60

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg RM Per Kg	
3.4.10 B7, MS145	2020 Dis	2.70	2.58	3.58
	2021 Jan	3.04	2.58	3.61
	Feb	3.04	2.58	3.62
	Mac	3.04	2.58	3.62
	Apr	3.24	2.85	3.30
	Mei	3.24	2.85	3.55
	Jun	3.24	2.85	3.59
	Jul	3.24	2.85	3.60
	Ogos	3.24	2.85	3.60
	Sept	3.24	2.85	3.60
	Okt	3.24	2.85	3.60
	Nov	3.65	2.85	3.60
	Dis	3.65	2.85	3.60
3.4.11 B8, MS145	2020 Dis	2.70	2.59	3.58
	2021 Jan	3.04	2.59	3.62
	Feb	3.04	2.59	3.63
	Mac	3.04	2.59	3.63
	Apr	3.25	3.00	3.30
	Mei	3.25	3.00	3.56
	Jun	3.25	3.00	3.59
	Jul	3.25	3.00	3.60
	Ogos	3.25	3.00	3.60
	Sept	3.25	3.00	3.60
	Okt	3.25	3.00	3.60
	Nov	3.65	3.00	3.60
	Dis	3.65	3.00	3.60
3.4.12 B9, MS145	2020 Dis	2.70	2.47	3.58
	2021 Jan	3.04	2.47	3.61
	Feb	3.04	2.47	3.63
	Mac	3.04	2.47	3.63
	Apr	3.24	2.70	3.30
	Mei	3.24	2.70	3.55
	Jun	3.24	2.70	3.59
	Jul	3.24	2.70	3.60
	Ogos	3.24	2.70	3.60
	Sept	3.24	2.70	3.60
	Okt	3.24	2.70	3.60
	Nov	3.65	2.70	3.60
	Dis	3.65	2.70	3.60

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.13 B10, MS145	2020 Dis	2.70	2.52	3.57
	2021 Jan	3.04	2.58	3.61
	Feb	3.04	2.58	3.62
	Mac	3.04	2.58	3.62
	Apr	3.24	2.97	3.29
	Mei	3.24	2.97	3.55
	Jun	3.24	2.97	3.58
	Jul	3.24	2.97	3.59
	Ogos	3.24	2.97	3.59
	Sept	3.24	2.97	3.59
	Okt	3.24	2.97	3.59
	Nov	3.64	2.97	3.59
	Dis	3.64	2.97	3.59
3.4.14 B12, MS145	2020 Dis	2.99	2.77	3.96
	2021 Jan	3.36	2.90	3.99
	Feb	3.36	2.90	4.01
	Mac	3.36	2.90	4.01
	Apr	3.58	3.16	3.65
	Mei	3.58	3.16	3.93
	Jun	3.58	3.16	3.97
	Jul	3.58	3.16	3.98
	Ogos	3.58	3.16	3.98
	Sept	3.58	3.16	3.98
	Okt	3.58	3.16	3.98
	Nov	4.03	3.16	3.98
	Dis	4.03	3.16	3.98
3.4.15 C5, MS145	2020 Dis	3.01	3.23	3.98
	2021 Jan	3.38	3.28	4.02
	Feb	3.38	3.28	4.03
	Mac	3.38	3.28	4.03
	Apr	3.61	4.05	3.67
	Mei	3.61	4.04	3.95
	Jun	3.61	4.04	3.99
	Jul	3.61	4.04	4.00
	Ogos	3.61	4.04	4.00
	Sept	3.61	4.04	4.00
	Okt	3.61	4.04	4.00
	Nov	4.06	4.04	4.00
	Dis	4.06	4.05	4.00

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg RM Per Kg	
3.4.16 C6, MS145	2020 Dis	3.00	3.19	3.98
	2021 Jan	3.38	3.19	4.01
	Feb	3.38	3.19	4.03
	Mac	3.38	3.19	4.03
	Apr	3.61	3.74	3.67
	Mei	3.61	3.74	3.95
	Jun	3.61	3.74	3.99
	Jul	3.61	3.74	4.00
	Ogos	3.61	3.74	4.00
	Sept	3.61	3.74	4.00
	Okt	3.61	3.74	4.00
	Nov	4.05	3.74	4.00
	Dis	4.05	3.74	4.00
3.4.17 C7, MS145	2020 Dis	3.00	3.18	3.98
	2021 Jan	3.38	3.20	4.01
	Feb	3.38	3.20	4.03
	Mac	3.38	3.20	4.03
	Apr	3.60	3.68	3.67
	Mei	3.60	3.68	3.95
	Jun	3.60	3.68	3.99
	Jul	3.60	3.68	4.00
	Ogos	3.60	3.68	4.00
	Sept	3.60	3.68	4.00
	Okt	3.60	3.68	4.00
	Nov	4.05	3.68	4.00
	Dis	4.05	3.68	4.00
3.4.18 C8, MS145	2020 Dis	3.00	3.15	3.97
	2021 Jan	3.37	3.15	4.00
	Feb	3.37	3.15	4.02
	Mac	3.37	3.15	4.02
	Apr	3.59	3.65	3.66
	Mei	3.59	3.65	3.94
	Jun	3.59	3.65	3.98
	Jul	3.59	3.65	3.99
	Ogos	3.59	3.65	3.99
	Sept	3.59	3.65	3.99
	Okt	3.59	3.65	3.99
	Nov	4.04	3.65	3.99
	Dis	4.04	3.65	3.99

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg RM Per Kg	
3.4.19 C9, MS145	2020 Dis	3.00	3.16	3.97
	2021 Jan	3.37	3.16	4.01
	Feb	3.37	3.16	4.02
	Mac	3.37	3.16	4.02
	Apr	3.60	3.60	3.66
	Mei	3.60	3.60	3.94
	Jun	3.60	3.60	3.98
	Jul	3.60	3.60	3.99
	Ogos	3.60	3.60	3.99
	Sept	3.60	3.60	3.99
	Okt	3.60	3.60	3.99
	Nov	4.05	3.60	3.99
	Dis	4.05	3.60	3.99
3.4.20 C10, MS145	2020 Dis	3.00	3.17	3.97
	2021 Jan	3.38	3.17	4.01
	Feb	3.38	3.17	4.02
	Mac	3.38	3.17	4.02
	Apr	3.60	3.52	3.66
	Mei	3.60	3.52	3.94
	Jun	3.60	3.52	3.98
	Jul	3.60	3.52	4.00
	Ogos	3.60	3.52	4.00
	Sept	3.60	3.52	4.00
	Okt	3.60	3.52	4.00
	Nov	4.05	3.52	4.00
	Dis	4.05	3.52	4.00
3.4.21 DA4, MS145	2020 Dis	3.03	3.24	4.01
	2021 Jan	3.41	3.28	4.05
	Feb	3.41	3.28	4.06
	Mac	3.41	3.28	4.06
	Apr	3.64	3.89	3.70
	Mei	3.64	3.89	3.98
	Jun	3.64	3.89	4.02
	Jul	3.64	3.89	4.04
	Ogos	3.64	3.89	4.04
	Sept	3.64	3.89	4.04
	Okt	3.64	3.89	4.04
	Nov	4.09	3.89	4.04
	Dis	4.09	3.89	4.04

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg RM Per Kg	
3.4.22 DA5, MS145	2020 Dis	3.01	3.18	3.99
	2021 Jan	3.39	3.18	4.03
	Feb	3.39	3.18	4.04
	Mac	3.39	3.18	4.04
	Apr	3.62	3.82	3.68
	Mei	3.62	3.82	3.96
	Jun	3.62	3.82	4.00
	Jul	3.62	3.82	4.01
	Ogos	3.62	3.82	4.01
	Sept	3.62	3.82	4.01
	Okt	3.62	3.82	4.01
	Nov	4.07	3.82	4.01
	Dis	4.07	3.82	4.01
3.4.23 DA6, MS145	2020 Dis	2.70	2.85	3.58
	2021 Jan	3.04	2.85	3.61
	Feb	3.04	2.85	3.63
	Mac	3.04	2.85	3.63
	Apr	3.24	3.42	3.30
	Mei	3.24	3.42	3.55
	Jun	3.24	3.42	3.59
	Jul	3.24	3.42	3.60
	Ogos	3.24	3.42	3.60
	Sept	3.24	3.42	3.60
	Okt	3.24	3.42	3.60
	Nov	3.65	3.42	3.60
	Dis	3.65	3.42	3.60
3.4.24 DA7, MS145	2020 Dis	2.70	2.85	3.58
	2021 Jan	3.04	2.85	3.61
	Feb	3.04	2.85	3.62
	Mac	3.04	2.85	3.62
	Apr	3.24	3.25	3.30
	Mei	3.24	3.25	3.55
	Jun	3.24	3.25	3.59
	Jul	3.24	3.25	3.60
	Ogos	3.24	3.25	3.60
	Sept	3.24	3.25	3.60
	Okt	3.24	3.25	3.60
	Nov	3.65	3.25	3.60
	Dis	3.65	3.25	3.60

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.25 DA8, MS145	2020 Dis	2.70	2.85	3.58
	2021 Jan	3.04	2.85	3.61
	Feb	3.04	2.85	3.63
	Mac	3.04	2.85	3.63
	Apr	3.24	3.18	3.30
	Mei	3.24	3.18	3.56
	Jun	3.24	3.18	3.59
	Jul	3.24	3.18	3.60
	Ogos	3.24	3.18	3.60
	Sept	3.24	3.18	3.60
	Okt	3.24	3.18	3.60
	Nov	3.65	3.18	3.60
	Dis	3.65	3.18	3.60
3.4.26 DA9, MS145	2020 Dis	2.70	3.06	3.58
	2021 Jan	3.04	3.10	3.61
	Feb	3.04	3.10	3.62
	Mac	3.04	3.10	3.62
	Apr	3.24	3.57	3.30
	Mei	3.24	3.57	3.55
	Jun	3.24	3.57	3.59
	Jul	3.24	3.57	3.60
	Ogos	3.24	3.57	3.60
	Sept	3.24	3.57	3.60
	Okt	3.24	3.57	3.60
	Nov	3.65	3.57	3.60
	Dis	3.65	3.57	3.60
3.4.27 DA10, MS145	2020 Dis	2.70	3.06	3.58
	2021 Jan	3.04	3.10	3.59
	Feb	3.04	3.10	3.61
	Mac	3.04	3.10	3.61
	Apr	3.24	3.56	3.28
	Mei	3.24	3.56	3.54
	Jun	3.24	3.56	3.57
	Jul	3.24	3.56	3.58
	Ogos	3.24	3.56	3.58
	Sept	3.24	3.56	3.58
	Okt	3.24	3.56	3.58
	Nov	3.65	3.56	3.58
	Dis	3.65	3.56	3.58

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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>
3.5 Guardrail		RM Per Meter <i>RM Per Metre</i>		
3.5.1 Single Mounted	2020 Dis	140.05	141.70	145.20
3.5.1.i 1.95m Post Spacing	2021 Jan	140.05	141.70	145.20
	Feb	147.15	148.85	152.40
	Mac	147.15	148.85	152.40
	Apr	168.35	170.00	173.60
	Mei	168.35	170.00	173.60
	Jun	168.35	170.00	173.60
	Jul	168.35	170.00	173.60
	Ogos	168.35	170.00	173.60
	Sept	168.35	170.00	173.60
	Okt	168.35	170.00	173.60
	Nov	168.35	170.00	173.60
	Dis	168.35	170.00	173.60
3.5.1.ii 3.80m Post Spacing	2020 Dis	99.75	100.95	103.40
	2021 Jan	99.75	100.95	103.40
	Feb	103.30	104.50	107.00
	Mac	103.30	104.50	107.00
	Apr	119.00	120.15	122.70
	Mei	119.00	120.15	122.70
	Jun	119.00	120.15	122.70
	Jul	119.00	120.15	122.70
	Ogos	119.00	120.15	122.70
	Sept	119.00	120.15	122.70
	Okt	119.00	120.15	122.70
	Nov	119.00	120.15	122.70
Dis	119.00	120.15	122.70	

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

Notes: 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 pembetungan (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		
		Utara North	Tengah Central	Timur East
3.5 Guardrail (samb.) (cont'd)		RM Per Meter RM Per Metre		
3.5.2 Double Mounted	2020 Dis	216.00	218.50	223.65
3.5.2.i 1.95m Post Spacing	2021 Jan	216.00	218.50	223.65
	Feb	224.80	227.30	232.60
	Mac	224.80	227.30	232.60
	Apr	257.80	260.30	265.60
	Mei	257.80	260.30	265.60
	Jun	257.80	260.30	265.60
	Jul	257.80	260.30	265.60
	Ogos	257.80	260.30	265.60
	Sept	257.80	260.30	265.60
	Okt	257.80	260.30	265.60
	Nov	257.80	260.30	265.60
	Dis	257.80	260.30	265.60
3.5.2.ii 3.80m Post Spacing	2020 Dis	167.50	169.40	173.50
	2021 Jan	167.50	169.40	173.50
	Feb	171.90	173.80	177.90
	Mac	171.90	173.80	177.90
	Apr	198.55	200.45	204.60
	Mei	198.55	200.45	204.60
	Jun	198.55	200.45	204.60
	Jul	198.55	200.45	204.60
	Ogos	198.55	200.45	204.60
	Sept	198.55	200.45	204.60
	Okt	198.55	200.45	204.60
	Nov	198.55	200.45	204.60
	Dis	198.55	200.45	204.60

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

Notes: 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 pembetungan (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
3.6.a Paip Air Water Pipe		RM Per Meter RM Per Metre
3.6.a.1 Mild Steel Pipe 300mm	2020 Dis	268.00
	2021 Jan	284.00 ^r
	Feb	283.00 ^r
	Mac	291.00
	Apr	324.00 ^r
	Mei	348.00 ^r
	Jun	348.00 ^r
	Jul	335.00
	Ogos	325.00
	Sept	322.00
	Okt	326.00
	Nov	321.00
	Dis	321.00
3.6.a.2 Stainless Steel Pipe 25mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
3.6.a.3 Ductile Iron Pipe 300mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.

Nota: Harga bagi paip air dan paip pembetungan adalah harga di kilang.

Notes: 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 pembetulan (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
3.6.a. Paip Air (samb.) <i>Water Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
3.6.a.4 High Density Polyethylene (HDPE) Pipe 3.6.a.4.i. Compression Fitting Using For Jointing 25mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
3.6.a.4.ii. Electrofusion Jointing 160mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
3.6.a.4.iii. Butt Fussion 160mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetungan (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
3.6.b Paip Pembetungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter RM Per Metre
3.6.b.1 Mild Steel Pipe 300mm	2020 Dis	289.44
	2021 Jan	306.72 ^r
	Feb	305.64 ^r
	Mac	314.28
	Apr	349.92 ^r
	Mei	375.84 ^r
	Jun	375.84 ^r
	Jul	361.80
	Ogos	351.00
	Sept	347.76
	Okt	352.08
	Nov	346.68
	Dis	346.68
3.6.b.2 Ductile Iron Pipe 250mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
3.6.b.3 High Density Polyethylene (HDPE) Pipe	2020 Dis	n.a.
3.6.b.3.i. Profile Pipe 150mm	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetulan (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
3.6.b Paip Pembetulan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
3.6.b.3 High Density Polyethylene (HDPE) Pipe	2020 Dis	108.02
	2021 Jan	108.02
3.6.b.3.ii Solid Pipe 250mm	Feb	108.02
	Mac	108.02
	Apr	108.02
	Mei	108.02
	Jun	108.02
	Jul	108.02
	Ogos	108.02
	Sept	108.02
	Okt	108.02
	Nov	108.02
	Dis	108.02
3.6.b.4 Vitrified Clay Pipe	2020 Dis	121.34 ^f
3.6.b.4.i Standard Pipe 225mm	2021 Jan	121.34 ^f
	Feb	121.34 ^f
	Mac	121.34 ^f
	Apr	121.34 ^f
	Mei	121.34 ^f
	Jun	126.37
	Jul	126.37
	Ogos	126.37
	Sept	126.37
	Okt	126.37
	Nov	126.37
	Dis	126.37
3.6.b.4.ii Jacking Pipe 225mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetulan (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
3.6.b Paip Pembetulan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
3.6.b.5 Reinforced Concrete Pipe	2020 Dis	248.00
3.6.b.5.i Without Lining	2021 Jan	248.00
900mm	Feb	248.00
	Mac	248.00
	Apr	248.00
	Mei	248.00
	Jun	248.00
	Jul	248.00
	Ogos	248.00
	Sept	248.00
	Okt	248.00
	Nov	248.00
	Dis	248.00
3.6.b.5.ii With Lining (High Alumina)	2020 Dis	n.a.
900mm	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
3.6.b.5.iii With Lining (Sacrificial Lining)	2020 Dis	n.a.
900mm	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.

Jadual 3: Harga unit purata bagi pasir, batu baur, premix, fabric reinforcement, guardrail dan paip air & paip pembetulan (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
3.6.b Paip Pembetulan Sewerage Pipe		RM Per Meter RM Per Metre
3.6.b.6 ABS Pipe	2020 Dis	45.83
3.6.b.6.i Gravity 110mm	2021 Jan	48.80
	Feb	48.80
	Mac	48.80
	Apr	48.80
	Mei	48.80
	Jun	48.80
	Jul	48.80
	Ogos	48.80
	Sept	48.80
	Okt	48.80
	Nov	48.80
	Dis	48.80
3.6.b.6.ii Force Main 225mm	2020 Dis	n.a.
	2021 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sept	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.

NOTA TEKNIKAL
TECHNICAL NOTES

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NOTA TEKNIKAL

1. Harga bar keluli, simen dan *fabric reinforcement* yang diterbitkan dalam Siaran Khas 1 ini diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia.
2. Harga yang dilaporkan mengikut 3 kawasan di Semenanjung Malaysia adalah 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
3. Bermula Mei 2017, bitumen penembusan 80/100 telah ditukar kepada 60/70. Harga bitumen penembusan 60/70 adalah berdasarkan harga purata ex-Kuala Lumpur.
4. Faktor pelarasan bagi kategori dan saiz paip yang tidak diterbitkan dalam Siaran Khas 1 ini adalah seperti di **Lampiran A**.
5. Harga bagi bahan-bahan binaan lain (yang tidak dinyatakan di atas) adalah diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia.
6. Semua harga yang tersebut di atas adalah bagi tujuan pengiraan kadar perubahan harga sahaja dan tidak boleh digunakan untuk mewakili kedudukan harga yang sebenar.

SINGKATAN/SIMBOL

- | | |
|-----|-------------------|
| n.a | = Tidak diperoleh |
| r | = Kemaskini |

TECHNICAL NOTES

1. 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.
2. Prices reported according to 3 regions in Peninsular Malaysia are as follows:

North	= Perlis, Kedah, Pulau Pinang and Perak
Central	= Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor and Johor
East	= Pahang, Terengganu and Kelantan
3. Starting May 2017, the bitumen 80/100 penetration has been converted into 60/70. The price for bitumen 60/70 penetration is based on average ex-Kuala Lumpur.
4. The adjustment factors for the other categories and sizes not published in this Special Release 1 are shown in **Appendix A**.
5. The prices for other building materials (not stated above) are obtained from the price collection conducted by Department of Statistics, Malaysia.
6. All prices mentioned above are relevant for escalation purposes only and should not be used to represent actual price levels.

ABBREVIATION/SYMBOLS

- | | |
|-----|-----------------|
| n.a | = Not available |
| r | = Revised |

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LAMPIRAN

APPENDIX

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Jadual faktor pelarasan bagi paip air dan paip pembetungan
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 air <i>Water pipe</i> 1. Mild Steel Pipe <table> <tr><td>100 mm Ø</td><td>0.25</td></tr> <tr><td>150 "</td><td>0.36</td></tr> <tr><td>200 "</td><td>0.47</td></tr> <tr><td>250 "</td><td>0.59</td></tr> <tr><td>300 "</td><td>1.00</td></tr> <tr><td>350 "</td><td>1.16</td></tr> <tr><td>400 "</td><td>1.32</td></tr> <tr><td>450 "</td><td>1.48</td></tr> <tr><td>500 "</td><td>1.63</td></tr> <tr><td>600 "</td><td>2.18</td></tr> <tr><td>700 "</td><td>2.80</td></tr> <tr><td>750 "</td><td>2.99</td></tr> <tr><td>800 "</td><td>3.18</td></tr> <tr><td>900 "</td><td>3.56</td></tr> <tr><td>1000 "</td><td>4.25</td></tr> <tr><td>1100 "</td><td>5.53</td></tr> <tr><td>1150 "</td><td>5.83</td></tr> <tr><td>1200 "</td><td>6.40</td></tr> <tr><td>1300 "</td><td>7.60</td></tr> <tr><td>1400 "</td><td>8.16</td></tr> <tr><td>1500 "</td><td>10.32</td></tr> <tr><td>1600 "</td><td>10.98</td></tr> <tr><td>1700 "</td><td>11.64</td></tr> <tr><td>1800 "</td><td>12.30</td></tr> <tr><td>1900 "</td><td>12.96</td></tr> <tr><td>2000 "</td><td>14.74</td></tr> <tr><td>2100 "</td><td>16.01</td></tr> <tr><td>2200 "</td><td>17.33</td></tr> </table>	100 mm Ø	0.25	150 "	0.36	200 "	0.47	250 "	0.59	300 "	1.00	350 "	1.16	400 "	1.32	450 "	1.48	500 "	1.63	600 "	2.18	700 "	2.80	750 "	2.99	800 "	3.18	900 "	3.56	1000 "	4.25	1100 "	5.53	1150 "	5.83	1200 "	6.40	1300 "	7.60	1400 "	8.16	1500 "	10.32	1600 "	10.98	1700 "	11.64	1800 "	12.30	1900 "	12.96	2000 "	14.74	2100 "	16.01	2200 "	17.33	
100 mm Ø	0.25																																																								
150 "	0.36																																																								
200 "	0.47																																																								
250 "	0.59																																																								
300 "	1.00																																																								
350 "	1.16																																																								
400 "	1.32																																																								
450 "	1.48																																																								
500 "	1.63																																																								
600 "	2.18																																																								
700 "	2.80																																																								
750 "	2.99																																																								
800 "	3.18																																																								
900 "	3.56																																																								
1000 "	4.25																																																								
1100 "	5.53																																																								
1150 "	5.83																																																								
1200 "	6.40																																																								
1300 "	7.60																																																								
1400 "	8.16																																																								
1500 "	10.32																																																								
1600 "	10.98																																																								
1700 "	11.64																																																								
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2000 "	14.74																																																								
2100 "	16.01																																																								
2200 "	17.33																																																								
2. Stainless Steel Pipe <table> <tr><td>13 mm Ø (1/2")</td><td>0.53</td></tr> <tr><td>20 " (3/4")</td><td>0.69</td></tr> <tr><td>25 " (1")</td><td>1.00</td></tr> <tr><td>32 " (1 1/4")</td><td>1.34</td></tr> <tr><td>38 " (1 1/2")</td><td>1.59</td></tr> <tr><td>50 " (2")</td><td>2.14</td></tr> <tr><td>63 " (2 1/2")</td><td>3.42</td></tr> <tr><td>75 " (3")</td><td>4.66</td></tr> <tr><td>100 " (4")</td><td>6.72</td></tr> </table>	13 mm Ø (1/2")	0.53	20 " (3/4")	0.69	25 " (1")	1.00	32 " (1 1/4")	1.34	38 " (1 1/2")	1.59	50 " (2")	2.14	63 " (2 1/2")	3.42	75 " (3")	4.66	100 " (4")	6.72																																							
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Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																								
Paip air <i>Water pipe</i> 3. Ductile Iron Pipe <table> <tr><td>100 mm Ø</td><td>0.35</td></tr> <tr><td>150 "</td><td>0.45</td></tr> <tr><td>200 "</td><td>0.60</td></tr> <tr><td>250 "</td><td>0.79</td></tr> <tr><td>300 "</td><td>1.00</td></tr> <tr><td>350 "</td><td>1.25</td></tr> <tr><td>400 "</td><td>1.50</td></tr> <tr><td>450 "</td><td>1.78</td></tr> <tr><td>500 "</td><td>2.05</td></tr> <tr><td>600 "</td><td>2.70</td></tr> <tr><td>700 "</td><td>3.50</td></tr> </table>	100 mm Ø	0.35	150 "	0.45	200 "	0.60	250 "	0.79	300 "	1.00	350 "	1.25	400 "	1.50	450 "	1.78	500 "	2.05	600 "	2.70	700 "	3.50																			
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600 "	2.70																																								
700 "	3.50																																								
4. High Density Polyethylene (HDPE) Pipe i. Compression Fitting Using For Jointing <table> <tr><td>20 mm Ø</td><td>0.69</td></tr> <tr><td>25 "</td><td>1.00</td></tr> <tr><td>32 "</td><td>1.63</td></tr> <tr><td>40 "</td><td>2.59</td></tr> <tr><td>50 "</td><td>3.93</td></tr> <tr><td>63 "</td><td>6.18</td></tr> <tr><td>75 "</td><td>8.83</td></tr> <tr><td>90 "</td><td>12.68</td></tr> </table> ii. Electrofusion Jointing <table> <tr><td>110 mm Ø</td><td>0.48</td></tr> <tr><td>125 "</td><td>0.63</td></tr> <tr><td>140 "</td><td>0.80</td></tr> <tr><td>160 "</td><td>1.00</td></tr> <tr><td>180 "</td><td>1.30</td></tr> <tr><td>200 "</td><td>1.54</td></tr> <tr><td>225 "</td><td>1.96</td></tr> <tr><td>250 "</td><td>2.46</td></tr> <tr><td>280 "</td><td>3.27</td></tr> <tr><td>315 "</td><td>3.97</td></tr> <tr><td>355 "</td><td>6.29</td></tr> <tr><td>400 "</td><td>7.80</td></tr> </table>	20 mm Ø	0.69	25 "	1.00	32 "	1.63	40 "	2.59	50 "	3.93	63 "	6.18	75 "	8.83	90 "	12.68	110 mm Ø	0.48	125 "	0.63	140 "	0.80	160 "	1.00	180 "	1.30	200 "	1.54	225 "	1.96	250 "	2.46	280 "	3.27	315 "	3.97	355 "	6.29	400 "	7.80	
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Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip air <i>Water pipe</i> ii. Electrofusion Jointing (samb. / cont'd) 450 mm Ø " 500 " 560 " iii. Butt Fussion 110 mm Ø 125 " 140 " 160 " 180 " 200 " 225 " 250 " 280 " 315 " 355 " 400 " 450 " 500 " 560 "	0.48 0.62 0.76 1.00 1.25 1.56 1.94 2.38 2.97 3.76 4.79 6.06 7.90 7.90 12.61

Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																						
Paip pembetungan <i>Sewerage pipe</i> 1. Mild Steel Pipe <table> <tr><td>100 mm Ø</td><td>0.40</td></tr> <tr><td>125 "</td><td>0.50</td></tr> <tr><td>150 "</td><td>0.59</td></tr> <tr><td>200 "</td><td>0.79</td></tr> <tr><td>250 "</td><td>0.99</td></tr> <tr><td>300 "</td><td>1.00</td></tr> <tr><td>350 "</td><td>1.38</td></tr> <tr><td>400 "</td><td>1.58</td></tr> <tr><td>450 "</td><td>1.78</td></tr> <tr><td>500 "</td><td>1.98</td></tr> <tr><td>550 "</td><td>2.20</td></tr> <tr><td>600 "</td><td>2.37</td></tr> <tr><td>650 "</td><td>2.50</td></tr> <tr><td>700 "</td><td>2.77</td></tr> <tr><td>750 "</td><td>2.96</td></tr> <tr><td>800 "</td><td>3.16</td></tr> <tr><td>850 "</td><td>3.40</td></tr> <tr><td>900 "</td><td>3.56</td></tr> <tr><td>950 "</td><td>3.80</td></tr> <tr><td>1000 "</td><td>3.95</td></tr> <tr><td>1200 "</td><td>4.74</td></tr> <tr><td>1400 "</td><td>5.53</td></tr> <tr><td>1600 "</td><td>6.32</td></tr> <tr><td>1800 "</td><td>7.11</td></tr> <tr><td>2000 "</td><td>7.91</td></tr> <tr><td>2100 "</td><td>8.30</td></tr> <tr><td>2200 "</td><td>8.70</td></tr> </table>	100 mm Ø	0.40	125 "	0.50	150 "	0.59	200 "	0.79	250 "	0.99	300 "	1.00	350 "	1.38	400 "	1.58	450 "	1.78	500 "	1.98	550 "	2.20	600 "	2.37	650 "	2.50	700 "	2.77	750 "	2.96	800 "	3.16	850 "	3.40	900 "	3.56	950 "	3.80	1000 "	3.95	1200 "	4.74	1400 "	5.53	1600 "	6.32	1800 "	7.11	2000 "	7.91	2100 "	8.30	2200 "	8.70	
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2. Ductile Iron Pipe <table> <tr><td>80 mm Ø</td><td>0.35</td></tr> <tr><td>100 "</td><td>0.40</td></tr> <tr><td>150 "</td><td>0.60</td></tr> <tr><td>200 "</td><td>0.80</td></tr> <tr><td>250 "</td><td>1.00</td></tr> <tr><td>300 "</td><td>1.20</td></tr> <tr><td>350 "</td><td>1.40</td></tr> <tr><td>400 "</td><td>1.60</td></tr> <tr><td>450 "</td><td>1.80</td></tr> <tr><td>500 "</td><td>2.00</td></tr> </table>	80 mm Ø	0.35	100 "	0.40	150 "	0.60	200 "	0.80	250 "	1.00	300 "	1.20	350 "	1.40	400 "	1.60	450 "	1.80	500 "	2.00																																			
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Jadual faktor pelarasan bagi paip air dan paip pembetulan (samb.)

Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembetulan <i>Sewerage pipe</i>	
2. Ductile Iron Pipe (samb. / cont'd)	
600 mm Ø	2.40
700 "	2.80
800 "	3.20
1000 "	3.40
1200 "	3.60
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

Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																						
Paip pembetungan <i>Sewerage pipe</i> ii. HDPE (Solid) Pipe <table> <tr><td>100 mm Ø</td><td>0.20</td></tr> <tr><td>125 "</td><td>0.25</td></tr> <tr><td>150 "</td><td>0.50</td></tr> <tr><td>200 "</td><td>0.65</td></tr> <tr><td>250 "</td><td>1.00</td></tr> <tr><td>300 "</td><td>1.50</td></tr> <tr><td>350 "</td><td>2.00</td></tr> <tr><td>400 "</td><td>2.69</td></tr> <tr><td>450 "</td><td>3.51</td></tr> <tr><td>500 "</td><td>4.48</td></tr> <tr><td>550 "</td><td>5.50</td></tr> <tr><td>600 "</td><td>6.00</td></tr> <tr><td>650 "</td><td>7.50</td></tr> <tr><td>700 "</td><td>8.50</td></tr> <tr><td>750 "</td><td>10.00</td></tr> <tr><td>800 "</td><td>11.75</td></tr> <tr><td>850 "</td><td>15.00</td></tr> <tr><td>900 "</td><td>16.50</td></tr> <tr><td>950 "</td><td>18.00</td></tr> <tr><td>1000 "</td><td>20.40</td></tr> <tr><td>1200 "</td><td>24.00</td></tr> <tr><td>1400 "</td><td>26.00</td></tr> <tr><td>1600 "</td><td>32.00</td></tr> <tr><td>1800 "</td><td>36.00</td></tr> <tr><td>2000 "</td><td>38.00</td></tr> <tr><td>2100 "</td><td>42.00</td></tr> <tr><td>2200 "</td><td>45.00</td></tr> </table>	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 "	10.00	800 "	11.75	850 "	15.00	900 "	16.50	950 "	18.00	1000 "	20.40	1200 "	24.00	1400 "	26.00	1600 "	32.00	1800 "	36.00	2000 "	38.00	2100 "	42.00	2200 "	45.00	
100 mm Ø	0.20																																																						
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Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)

Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																
Paip pembetungan <i>Sewerage pipe</i> 4. Vitrified Clay Pipe i. Vitrified Clay (Standard) Pipe <table> <tr><td>100 mm Ø</td><td>0.40</td></tr> <tr><td>150 "</td><td>0.52</td></tr> <tr><td>200 "</td><td>0.84</td></tr> <tr><td>225 "</td><td>1.00</td></tr> <tr><td>300 "</td><td>2.37</td></tr> <tr><td>375 "</td><td>4.24</td></tr> <tr><td>400 "</td><td>4.95</td></tr> <tr><td>450 "</td><td>5.63</td></tr> <tr><td>500 "</td><td>7.96</td></tr> <tr><td>600 "</td><td>11.78</td></tr> <tr><td>700 "</td><td>14.33</td></tr> <tr><td>800 "</td><td>14.50</td></tr> </table> ii. Vitrified Clay (Jacking) Pipe <table> <tr><td>100 mm Ø</td><td>0.80</td></tr> <tr><td>150 "</td><td>0.85</td></tr> <tr><td>200 "</td><td>0.90</td></tr> <tr><td>225 "</td><td>1.00</td></tr> <tr><td>300 "</td><td>1.60</td></tr> <tr><td>375 "</td><td>1.87</td></tr> <tr><td>400 "</td><td>2.17</td></tr> <tr><td>450 "</td><td>2.60</td></tr> <tr><td>500 "</td><td>3.22</td></tr> <tr><td>600 "</td><td>3.75</td></tr> <tr><td>700 "</td><td>4.15</td></tr> <tr><td>800 "</td><td>4.65</td></tr> </table>	100 mm Ø	0.40	150 "	0.52	200 "	0.84	225 "	1.00	300 "	2.37	375 "	4.24	400 "	4.95	450 "	5.63	500 "	7.96	600 "	11.78	700 "	14.33	800 "	14.50	100 mm Ø	0.80	150 "	0.85	200 "	0.90	225 "	1.00	300 "	1.60	375 "	1.87	400 "	2.17	450 "	2.60	500 "	3.22	600 "	3.75	700 "	4.15	800 "	4.65	
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Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

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

Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembetungan <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	

Sasaran Tarikh Pengumuman Siaran Khas 1
(Untuk Kerja-Kerja Kejuruteraan Awam), Semenanjung Malaysia, 2021

Scheduled Release Dates for Special Release 1
(For Civil Engineering Works), Peninsular Malaysia, 2021

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2021	Januari <i>January</i>	2021	10 Februari <i>10 February</i>
	Februari <i>February</i>		10 Mac <i>10 March</i>
	Mac <i>March</i>		09 April <i>09 April</i>
	April <i>April</i>		10 Mei <i>10 May</i>
	Mei <i>May</i>		10 Jun <i>10 June</i>
	Jun <i>June</i>		09 Julai <i>09 July</i>
	Julai <i>July</i>		12 Ogos <i>12 August</i>
	Ogos <i>August</i>		09 September <i>09 September</i>
	September <i>September</i>		11 Oktober <i>11 October</i>
	Oktober <i>October</i>		11 November <i>11 November</i>
	November <i>November</i>		09 Disember <i>09 December</i>
	Disember <i>December</i>	2022	10 Januari <i>10 January</i>