



KEMENTERIAN EKONOMI  
JABATAN PERANGKAAN MALAYSIA

SEMENANJUNG MALAYSIA  
PENINSULAR MALAYSIA

SIARAN KHAS **1**  
*Special Release*

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

**NOVEMBER**  
NOVEMBER **2024**

#### **Pemakluman**

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan". DOSM menyambut ulang tahun ke-75 Jubli Intan pada tahun 2024.

#### **Announcement**

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides data catalogue and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life". DOSM commemorates its 75th Diamond Jubilee in 2024.

**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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**RINGKASAN PENEMUAN**

*SUMMARY OF FINDINGS*

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# PURATA HARGA BAHAN BINAAN TERPILIH, MALAYSIA

**NOVEMBER 2024**


## MALAYSIA



**BESI**

Purata : 3,628.90  
*RM Per Meter*

MoM : -0.1%  
 YoY : 0.2%



**SIMEN (ORDINARY PORTLAND)**

Purata : 23.25  
*RM Sekarung 50 Kg*

MoM : 0.2 %  
 YoY : 1.3 %



**BATU BAUR**

Purata : 45.26  
*RM Per Tan Metrik*

MoM : 0.0 %  
 YoY : 4.6 %



**MYCON 60 HIGH TENSILE DEFORMED BARS**

Purata : 3,427.15  
*RM Per Tan Metrik*

MoM : 0.0 %  
 YoY : -1.1 %



**BAR BULAT KELULI LEMBUT**

Purata : 3,827.05  
*RM Per Tan Metrik*

MoM : -0.2 %  
 YoY : 1.5 %



**PASIR**

Purata : 50.25  
*RM Per Tan Metrik*

MoM : 0.3 %  
 YoY : 9.4 %

### SEMANJANG MALAYSIA

### SABAH

### SARAWAK

Material	Metric	SEMANJANG MALAYSIA	SABAH	SARAWAK
Bar Bulat Keluli Lembut	PURATA (RM Per Tan Metrik)	3,288.69	4,104.73	4,152.27
	MoM (%)	-0.3	-0.6	0.5
	YoY (%)	-0.4	0.7	4.2
MYCON 60 HIGH TENSILE DEFORMED BARS	PURATA (RM Per Tan Metrik)	3,131.20	3,684.22	3,489.33
	MoM (%)	-0.2	0.6	-0.4
	YoY (%)	-1.2	-2.2	0.1
SIMEN (ORDINARY PORTLAND)	PURATA (RM Sekarung 50 Kg)	23.02	19.42	20.68
	MoM (%)	0.1	0.0	0.0
	YoY (%)	2.4	0.0	0.0
PASIR	PURATA (RM Per Tan Metrik)	57.80	71.04	32.33
	MoM (%)	0.0	0.9	0.0
	YoY (%)	12.6	1.8	13.8
BATU BAUR	PURATA (RM Per Tan Metrik)	33.37	57.85	48.01
	MoM (%)	0.1	0.0	0.0
	YoY (%)	4.7	7.9	1.3

**Nota:**

MoM : Perubahan peratus bulan ke bulan  
 YoY : Perubahan peratus tahun ke tahun






# AVERAGE PRICE OF SELECTED BUILDING MATERIALS, MALAYSIA

**NOVEMBER 2024**

## MALAYSIA




**STEEL**

**Average** : 3,628.90  
*RM Per Metre*

**MoM** : -0.1%

**YoY** : 0.2%




**ORDINARY PORTLAND CEMENT**

**Average** : 23.25  
*RM Per 50 Kg Bag*

**MoM** : 0.2 %

**YoY** : 1.3 %



**AGGREGATES**

**Average** : 45.26  
*RM Per Metric Ton*

**MoM** : 0.0 %

**YoY** : 4.6 %




**MYCON 60 HIGH TENSILE DEFORMED BARS**

**Average** : 3,427.15  
*RM Per Metric Ton*

**MoM** : 0.0 %

**YoY** : -1.1 %




**MILD STEEL ROUND BARS**

**Average** : 3,827.05  
*RM Per Metric Ton*

**MoM** : -0.2 %

**YoY** : 1.5 %



**SAND**

**Average** : 50.25  
*RM Per Metric Ton*

**MoM** : 0.3 %

**YoY** : 9.4 %

### PENINSULAR MALAYSIA

### SABAH

### SARAWAK

	AVERAGE <i>RM Per Metric Ton</i>	MoM (%)	YoY (%)
<b>MILD STEEL ROUND BARS</b>	3,288.69	-0.3	-0.4
<b>MYCON 60 HIGH TENSILE DEFORMED BARS</b>	3,131.20	-0.2	-1.2
<b>ORDINARY PORTLAND CEMENT</b>	23.02	0.1	2.4
<b>SAND</b>	57.80	0.0	12.6
<b>AGGREGATES</b>	33.37	0.1	4.7
	4,104.73	-0.6	0.7
	3,684.22	0.6	-2.2
	19.42	0.0	0.0
	71.04	0.9	1.8
	57.85	0.0	7.9
	4,152.27	0.5	4.2
	3,489.33	-0.4	0.1
	20.68	0.0	0.0
	32.33	0.0	13.8
	48.01	0.0	1.3

**Notes:**

MoM : Percentage change of month on month  
YoY : Percentage change of year on year





**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
<b>1.1 Bar Bulat Keluli Lembut BS-4449</b> <i>Mild Steel Round Bars BS-4449</i>		<b>RM Per Tan Metrik</b> RM Per Metric Ton		
<b>1.1.1 10mm (3/8")</b>	<b>2023 Nov</b>	3,304.09	3,387.03	3,217.36 <sup>f</sup>
	<b>Dis</b>	3,323.92	3,407.36	3,201.27
	<b>2024 Jan</b>	3,345.75	3,441.43	3,182.06
	<b>Feb</b>	3,337.32	3,441.43	3,182.14
	<b>Mac</b>	3,350.60	3,451.75	3,182.14
	<b>Apr</b>	3,318.90	3,486.27	3,213.96
	<b>Mei</b>	3,353.58	3,486.27	3,213.96
	<b>Jun</b>	3,348.16	3,479.30	3,213.96
	<b>Jul</b>	3,301.29	3,482.78	3,217.18
	<b>Ogos</b>	3,295.91	3,510.64	3,165.22
	<b>Sep</b>	3,207.60	3,489.58	3,165.22
	<b>Okt</b>	3,150.65	3,468.64	3,165.22
	<b>Nov</b>	3,133.90	3,458.23	3,152.70
<b>1.1.2 12mm (1/2")</b>	<b>2023 Nov</b>	3,307.52	3,444.90	3,255.38
	<b>Dis</b>	3,327.37	3,448.35	3,245.62
	<b>2024 Jan</b>	3,345.75	3,455.24	3,226.14
	<b>Feb</b>	3,337.00	3,455.24	3,239.05
	<b>Mac</b>	3,350.60	3,465.61	3,239.05
	<b>Apr</b>	3,320.44	3,455.21	3,271.44
	<b>Mei</b>	3,353.58	3,455.21	3,271.44
	<b>Jun</b>	3,348.16	3,450.03	3,271.44
	<b>Jul</b>	3,301.29	3,453.48	3,271.44
	<b>Ogos</b>	3,295.91	3,460.39	3,202.70
	<b>Sep</b>	3,207.60	3,432.70	3,202.70
	<b>Okt</b>	3,150.65	3,405.24	3,202.70
	<b>Nov</b>	3,145.60	3,395.03	3,189.90
<b>1.1.3 16mm (5/8")</b>	<b>2023 Nov</b>	3,303.59	3,346.86	3,265.54
	<b>Dis</b>	3,310.19	3,350.21	3,239.41
	<b>2024 Jan</b>	3,329.85	3,356.91	3,229.69
	<b>Feb</b>	3,319.68	3,356.91	3,245.84
	<b>Mac</b>	3,333.38	3,366.98	3,245.84
	<b>Apr</b>	3,309.50	3,346.78	3,278.30
	<b>Mei</b>	3,337.92	3,375.56	3,306.49
	<b>Jun</b>	3,331.30	3,370.50	3,306.49
	<b>Jul</b>	3,287.99	3,373.87	3,306.49
	<b>Ogos</b>	3,280.96	3,390.74	3,192.31
	<b>Sep</b>	3,192.66	3,363.61	3,192.31
	<b>Okt</b>	3,179.89	3,336.71	3,192.31
	<b>Nov</b>	3,156.90	3,326.69	3,176.80

**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
<b>1.1 Bar Bulat Keluli Lembut BS-4449 (samb.)</b>		<b>RM Per Tan Metrik</b>		
<i>Mild Steel Round Bars BS-4449 (cont'd)</i>		<i>RM Per Metric Ton</i>		
<b>1.1.4 20mm-25mm (3/4"-1")</b>	<b>2023 Nov</b>	3,507.75	3,454.55	2,969.14
	<b>Dis</b>	3,658.59	3,458.01	3,010.70
	<b>2024 Jan</b>	3,848.83	3,464.92	3,010.70
	<b>Feb</b>	3,887.32	3,464.92	3,131.13
	<b>Mac</b>	3,895.10	3,471.85	3,143.66
	<b>Apr</b>	3,973.00	3,461.44	3,175.09
	<b>Mei</b>	4,052.46	3,530.67	3,238.59
	<b>Jun</b>	3,973.00	3,523.61	3,238.59
	<b>Jul</b>	4,108.08	3,523.61	3,238.59
	<b>Ogos</b>	4,108.08	3,541.22	3,180.30
	<b>Sep</b>	4,108.08	3,519.98	3,180.30
	<b>Okt</b>	4,067.00	3,498.86	3,181.30
	<b>Nov</b>	4,067.00	3,498.86	3,181.30
<b>1.1.5 32mm (1 1/4")</b>	<b>2023 Nov</b>	3,626.35	3,128.84	3,063.40
	<b>Dis</b>	3,626.35	3,135.10	3,063.40
	<b>2024 Jan</b>	3,629.90	3,153.91	3,063.40
	<b>Feb</b>	3,629.90	3,153.91	3,063.40
	<b>Mac</b>	3,629.90	3,157.06	3,063.40
	<b>Apr</b>	3,666.20	3,188.63	3,094.04
	<b>Mei</b>	3,702.86	3,220.52	3,124.98
	<b>Jun</b>	3,646.00	3,194.76	3,094.04
	<b>Jul</b>	3,646.00	3,197.95	3,094.04
	<b>Ogos</b>	3,568.33	3,163.74	3,094.04
	<b>Sep</b>	3,393.33	3,048.61	3,094.04
	<b>Okt</b>	3,468.33	3,051.97	3,095.04
	<b>Nov</b>	3,428.30	3,051.97	3,095.04
<b>1.2 Mycon 60</b>				
<i>High Tensile Deformed Bars</i>				
<b>1.2.1 10mm (3/8")</b>	<b>2023 Nov</b>	3,220.93	3,212.33	3,346.43
	<b>Dis</b>	3,225.77	3,244.45	3,333.04
	<b>2024 Jan</b>	3,282.53	3,247.70	3,356.61
	<b>Feb</b>	3,275.10	3,247.70	3,387.63
	<b>Mac</b>	3,265.10	3,250.95	3,391.02
	<b>Apr</b>	3,272.80	3,247.69	3,458.84
	<b>Mei</b>	3,276.50	3,247.69	3,458.84
	<b>Jun</b>	3,274.90	3,237.95	3,441.54
	<b>Jul</b>	3,238.88	3,237.95	3,455.31
	<b>Ogos</b>	3,239.09	3,237.95	3,385.28
	<b>Sep</b>	3,368.53	3,221.76	3,378.11
	<b>Okt</b>	3,339.32	3,154.62	3,350.23
	<b>Nov</b>	3,319.28	3,138.85	3,330.13

**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
<b>1.2 Mycon 60 (Samb.)</b>		<b>RM Per Tan Metrik</b>		
<i>High Tensile Deformed Bars (Cont'd)</i>		<i>RM Per Metric Ton</i>		
<b>1.2.2 12mm (1/2")</b>	<b>2023 Nov</b>	3,166.01	3,197.75	3,377.32
	<b>Dis</b>	3,202.51	3,236.12	3,377.32
	<b>2024 Jan</b>	3,265.42	3,239.35	3,408.10
	<b>Feb</b>	3,248.54	3,239.35	3,425.00
	<b>Mac</b>	3,252.97	3,239.35	3,425.00
	<b>Apr</b>	3,254.40	3,236.11	3,425.00
	<b>Mei</b>	3,257.80	3,239.35	3,428.43
	<b>Jun</b>	3,257.80	3,229.63	3,425.00
	<b>Jul</b>	3,221.96	3,229.63	3,401.02
	<b>Ogos</b>	3,225.31	3,236.09	3,387.42
	<b>Sep</b>	3,110.73	3,219.91	3,374.54
	<b>Okt</b>	3,074.12	3,148.13	3,346.53
	<b>Nov</b>	3,067.97	3,138.69	3,333.14
<b>1.2.3 16mm–25mm (5/8"–1")</b>	<b>2023 Nov</b>	3,040.57	3,134.27	3,075.81
	<b>Dis</b>	3,068.18	3,156.78	3,085.04
	<b>2024 Jan</b>	3,130.27	3,164.19	3,088.54
	<b>Feb</b>	3,119.04	3,164.19	3,103.35
	<b>Mac</b>	3,119.04	3,157.86	3,103.35
	<b>Apr</b>	3,124.40	3,154.70	3,103.35
	<b>Mei</b>	3,135.90	3,166.38	3,114.83
	<b>Jun</b>	3,142.17	3,153.71	3,114.83
	<b>Jul</b>	3,104.47	3,153.71	3,127.29
	<b>Ogos</b>	3,099.43	3,156.86	3,090.48
	<b>Sep</b>	2,984.75	3,142.63	3,090.48
	<b>Okt</b>	2,946.09	3,125.80	3,080.31
	<b>Nov</b>	2,946.09	3,110.90	3,080.31
<b>1.2.4 32mm (1 1/4")</b>	<b>2023 Nov</b>	3,012.77	3,206.08 <sup>f</sup>	3,077.95
	<b>Dis</b>	3,045.91	3,247.76	3,087.18
	<b>2024 Jan</b>	3,100.28	3,257.50	3,087.18 <sup>f</sup>
	<b>Feb</b>	3,101.28	3,267.27	3,088.18
	<b>Mac</b>	3,087.83	3,277.07	3,089.18
	<b>Apr</b>	3,100.20	3,273.80	3,089.18
	<b>Mei</b>	3,097.70	3,270.52	3,086.09
	<b>Jun</b>	3,085.31	3,254.17	3,086.09
	<b>Jul</b>	3,051.37	3,257.42	3,086.09
	<b>Ogos</b>	3,041.05	3,151.47	3,086.09
	<b>Sep</b>	2,926.46	3,128.08	3,086.09
	<b>Okt</b>	2,915.53	3,130.08	3,086.09
	<b>Nov</b>	2,924.50	3,133.60	3,083.00

**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
<b>1.3 Simen</b> Cement		<b>RM Sekarung 50 Kg</b> RM Per 50 Kg Bag		
<b>1.3.1 Portland Biasa</b> Ordinary Portland	<b>2023 Nov</b>	22.57	22.25	22.62
	<b>Dis</b>	22.60	22.65	22.68
	<b>2024 Jan</b>	22.58	22.31	22.75
	<b>Feb</b>	22.57	22.31	22.75
	<b>Mac</b>	22.72	22.54	22.71
	<b>Apr</b>	22.60	22.70	22.60
	<b>Mei</b>	22.80	22.70	22.65
	<b>Jun</b>	22.85	22.85	22.95
	<b>Jul</b>	22.95	22.90	23.05
	<b>Ogos</b>	22.95	22.94	23.05
	<b>Sep</b>	23.07	22.86	23.02
	<b>Okt</b>	23.08	22.86	23.02
	<b>Nov</b>	23.10	22.90	23.05

**Jadual 2: Harga unit purata bagi minyak bahan api, bitumen dan diesel**

Table 2: Average unit prices for fuel oil, bitumen and diesel

<b>Item</b>	<b>Tempoh</b> <i>Period</i>	<b>Semenanjung Malaysia</b> <i>Peninsular Malaysia</i>
<b>2.1 Bitumen Penembusan 60/70</b> <i>Bitumen 60/70 Penetration</i>		<b>RM Per Tan Metrik</b> <i>RM Per Metric Ton</i>
	<b>2023 Nov</b>	3,030.00
	<b>Dis</b>	3,030.00
	<b>2024 Jan</b>	3,030.00
	<b>Feb</b>	3,030.00
	<b>Mac</b>	3,030.00
	<b>Apr</b>	3,030.00
	<b>Mei</b>	3,030.00
	<b>Jun</b>	3,030.00
	<b>Jul</b>	3,030.00
	<b>Ogos</b>	3,030.00
	<b>Sep</b>	3,030.00
	<b>Okt</b>	3,030.00
	<b>Nov</b>	3,030.00

<b>Item</b>	<b>Tempoh</b> <i>Period</i>	<b>Semenanjung Malaysia</b> <i>Peninsular Malaysia</i>
<b>2.2 Minyak Gas Automotif</b> <i>Automotive Gas Oil</i>		<b>RM Seliter</b> <i>RM Per Litre</i>
		<b>Runcit</b> <i>Retail</i>
<b>Diesel</b>	<b>2023 Nov</b>	2.15
<i>Diesel</i>	<b>Dis</b>	2.15
	<b>2024 Jan</b>	2.15
	<b>Feb</b>	2.15
	<b>Mac</b>	2.15
	<b>Apr</b>	2.15
	<b>Mei</b>	2.15
	<b>Jun</b>	2.99
	<b>Jul</b>	3.35
	<b>Ogos</b>	3.35
	<b>Sep</b>	3.06 <sup>f</sup>
	<b>Okt</b>	2.95
	<b>Nov</b>	2.95

**Sumber: Kementerian Kewangan Malaysia dan Kementerian Perdagangan Dalam Negeri dan Kos Sara Hidup**

*Sources: Ministry of Finance and Ministry of Domestic Trade and Cost of Living*



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

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	
<b>3.1 Pasir</b> Sand		<b>RM Per Tan Metrik</b> RM Per Metric Ton			
<b>3.1.1 Pasir Sungai</b> River Sand	2023	Nov	54.01	61.53	38.67
		Dis	54.06	61.20	39.55
	2024	Jan	54.06	61.20	39.55
		Feb	54.06	61.20	39.55
		Mac	54.35	61.20	40.38
		Apr	54.56	61.67	40.55
		Mei	54.56	61.80	40.92
		Jun	54.52	62.80	41.17
		Jul	57.98	65.67	43.67
		Ogos	57.69 <sup>f</sup>	71.93 <sup>f</sup>	44.17
		Sep	58.32	72.20	44.17
		Okt	58.61	72.93	44.17
		Nov	58.61	72.93	44.17
<b>3.1.2 Pasir Lombong</b> Mining Sand	2023	Nov	44.58	62.17	n.a.
		Dis	44.58	62.52	n.a.
	2024	Jan	44.58	62.77	n.a.
		Feb	44.58	62.79	n.a.
		Mac	44.58	62.79	n.a.
		Apr	45.50	63.29	n.a.
		Mei	45.50	63.38	n.a.
		Jun	45.83	63.96	n.a.
		Jul	46.83	64.20	n.a.
		Ogos	51.00 <sup>f</sup>	65.76 <sup>f</sup>	n.a.
		Sep	51.00	65.85	n.a.
		Okt	51.00	67.02	n.a.
		Nov	51.00	67.02	n.a.
<b>3.2 Batu Baur</b> Aggregates					
<b>3.2.1 Granite</b> 10mm (3/8")	2023	Nov	32.00	31.16	34.50
		Dis	32.00	31.08	34.50
	2024	Jan	32.00	31.33	34.50
		Feb	32.00	31.36	34.78
		Mac	32.25	31.47	34.78
		Apr	32.25	31.41	34.78
		Mei	32.94	31.41	34.78
		Jun	33.63	31.25	34.78
		Jul	34.00	31.47	34.17
		Ogos	34.00	32.35 <sup>f</sup>	34.17
		Sep	34.00	32.96	34.17
		Okt	34.00	33.26	34.50
		Nov	34.00	33.49	34.50

**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
<b>3.2 Batu Baur (Samb.)</b> <i>Aggregates (Cont'd)</i>		<b>RM Per Tan Metrik</b> <i>RM Per Metric Ton</i>		
<b>3.2.2 Granite</b> 20mm (3/4")	<b>2023</b> Nov	53.65	36.94	33.40
	Dis	54.33	36.94	33.40
	<b>2024</b> Jan	54.79	37.04	33.40
	Feb	55.20	37.13	33.40
	Mac	55.71	37.27	33.09
	Apr	55.94	37.35	33.42
	Mei	56.30	37.34	33.42
	Jun	56.10	37.51	33.42
	Jul	57.38	37.83	33.67
	Ogos	58.62'	38.85	33.67
	Sep	58.62	39.64	33.67
	Okt	58.48	39.78	34.00
	Nov	58.62	39.78	34.09
<b>3.2.3 Granite</b> 40mm (1 1/2")	<b>2023</b> Nov	24.86	33.42	35.93
	Dis	24.86	33.42	35.93
	<b>2024</b> Jan	24.86	32.97	35.93
	Feb	24.86	33.01	35.95
	Mac	25.66	33.01	35.95
	Apr	25.66	33.01	35.95
	Mei	25.66	33.01	35.95
	Jun	25.66	32.29	35.95
	Jul	25.66	33.29	33.69
	Ogos	25.66	34.50	33.69
	Sep	25.66	34.50	33.69
	Okt	25.66	35.04	33.94
	Nov	25.66	34.77	33.94
<b>3.2.4 Crushed Aggregate</b> (Crusher Run)	<b>2023</b> Nov	25.95	24.64	25.13
	Dis	25.95	24.64	25.13
	<b>2024</b> Jan	27.00	26.00	26.00
	Feb	27.00	26.00	26.00
	Mac	27.00	26.00	26.20
	Apr	27.00	26.00	26.20
	Mei	27.00	26.00	26.20
	Jun	27.00	26.60	26.20
	Jul	27.00	27.00	26.50
	Ogos	27.00	27.50	26.50
	Sep	27.00	27.60	26.50
	Okt	27.20	27.75	26.65
	Nov	27.20	27.75	26.70

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.3.a Premix Asphaltic Concrete</b>		<b>RM Per Tan Metrik</b> RM Per Metric Ton		
<b>3.3.a.1 AC 10 (Wearing Course)</b>	<b>2023</b> Nov	211.25	209.80	260.25
	Dis	211.25	209.80	260.25
	<b>2024</b> Jan	218.00	209.80	260.25
	Feb	218.00	209.80	260.25
	Mac	218.00	209.80	260.25
	Apr	218.00	209.80	260.25
	Mei	219.60	208.67	260.25
	Jun	222.00	209.80	260.25
	Jul	222.00	209.80	260.25
	Ogos	222.00	210.62	271.25
	Sep	222.00	212.62	271.25
	Okt	222.00	212.62	271.25
	Nov	227.00	212.62	271.25
<b>3.3.a.2 AC 14 (Wearing Course)</b>	<b>2023</b> Nov	209.17	214.00	245.08
	Dis	209.17	214.00	245.08
	<b>2024</b> Jan	214.29	214.00	243.42
	Feb	214.29	214.00	243.42
	Mac	214.29	214.00	241.75
	Apr	214.29	213.58	240.92
	Mei	215.71	212.09	240.92
	Jun	217.14	214.00	240.25
	Jul	217.14	214.00	240.25
	Ogos	217.14	214.69	245.50
	Sep	217.14	218.03	246.33
	Okt	217.14	218.03	247.67
	Nov	220.71	218.03	248.00
<b>3.3.a.3 AC 28 (Binder Course)</b>	<b>2023</b> Nov	206.00	205.50	241.02
	Dis	206.00	205.50	241.02
	<b>2024</b> Jan	210.86	205.50	239.02
	Feb	210.86	205.50	239.02
	Mac	210.86	205.50	239.40
	Apr	210.86	203.63	238.40
	Mei	212.29	204.88	238.40
	Jun	213.71	203.63	237.60
	Jul	213.71	203.63	237.60
	Ogos	213.71	204.76	244.00
	Sep	213.71	207.26	245.00
	Okt	213.71	207.26	248.00
	Nov	217.29	207.26	248.00

**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
<b>3.3.a Premix Asphaltic Concrete (samb.)</b> (cont'd)		<b>RM Per Tan Metrik</b> RM Per Metric Ton		
<b>3.3.a.4 ACW 20 (Wearing Course)</b>	<b>2023 Nov</b>	211.60	212.09	256.67
	<b>Dis</b>	211.60	212.09	256.67
	<b>2024 Jan</b>	216.33	212.09	253.33
	<b>Feb</b>	216.33	212.09	253.33
	<b>Mac</b>	217.17	212.09	253.33
	<b>Apr</b>	217.17	211.18	251.67
	<b>Mei</b>	218.83	211.18	251.67
	<b>Jun</b>	220.50	211.18	255.00
	<b>Jul</b>	220.60	211.18	255.00
	<b>Ogos</b>	220.60	211.94	264.00
	<b>Sep</b>	220.60	215.58	264.00
	<b>Okt</b>	220.60	215.58	268.67
	<b>Nov</b>	225.60	215.58	268.67

**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 Period	Kawasan Region			
		Utara North	Tengah Central	Timur East	
<b>3.3.b Premix Bituminous Macadam</b>		<b>RM Per Tan Metrik</b> RM Per Metric Ton			
<b>3.3.b.1 BMR40 (Bound Roadbase)</b>	<b>2023</b>	Nov	200.00	186.40	n.a.
		Dis	200.00	184.40	n.a.
	<b>2024</b>	Jan	210.00	184.40	n.a.
		Feb	210.00	186.40	n.a.
		Mac	210.00	184.40	n.a.
		Apr	210.00	184.40	n.a.
		Mei	210.00	184.40	n.a.
		Jun	211.67	184.40	n.a.
		Jul	211.67	184.40	n.a.
		Ogos	211.67	184.40	n.a.
		Sep	211.67	196.40	n.a.
		Okt	211.67	196.40	n.a.
		Nov	216.67	196.40	n.a.
<b>3.3.b.2 BMR28 (Bound Roadbase)</b>	<b>2023</b>	Nov	205.00	194.75	n.a.
		Dis	205.00	194.75	n.a.
	<b>2024</b>	Jan	215.00	194.75	n.a.
		Feb	215.00	194.75	n.a.
		Mac	215.00	194.75	n.a.
		Apr	215.00	194.75	n.a.
		Mei	215.00	194.00	n.a.
		Jun	216.67	194.88	n.a.
		Jul	216.67	194.88	n.a.
		Ogos	216.67	194.75	n.a.
		Sep	216.67	202.25	n.a.
		Okt	216.67	202.25	n.a.
		Nov	221.67	202.25	n.a.
<b>3.3.b.3 BML10 (Levelling Course)</b>	<b>2023</b>	Nov	211.67	217.71	230.50
		Dis	211.67	217.71	230.50
	<b>2024</b>	Jan	211.67	217.71	225.50
		Feb	211.67	217.71	225.50
		Mac	211.67	217.71	225.50
		Apr	211.67	217.71	223.00
		Mei	211.67	216.29	223.00
		Jun	213.33	218.43	228.00
		Jul	213.33	218.43	228.00
		Ogos	213.33	217.71	230.50
		Sep	213.33	226.29	230.50
		Okt	213.33	226.29	230.50
		Nov	218.33	226.29	230.50

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.3.b Premix Bituminous Macadam (samb.)</b> (cont'd)		<b>RM Per Tan Metrik</b> RM Per Metric Ton		
<b>3.3.b.4 BMB28 (Binder Course)</b>	<b>2023</b>			
	Nov	206.67	205.38	227.50
	Dis	206.67	205.38	227.50
	<b>2024</b>			
	Jan	213.75	205.38	222.50
	Feb	213.75	205.38	222.50
	Mac	213.75	205.38	222.50
	Apr	213.75	205.38	220.00
	Mei	213.75	203.29	220.00
	Jun	212.50	205.38	225.00
	Jul	212.50	205.38	225.00
	Ogos	212.50	205.38	227.50
	Sep	212.50	212.88	227.50
	Okt	212.50	212.88	227.50
	Nov	216.25	212.88	227.50
<b>3.3.b.5 BMB20 (Binder Course)</b>	<b>2023</b>			
	Nov	207.50	212.00	247.67
	Dis	207.50	211.29	247.67
	<b>2024</b>			
	Jan	216.67	211.29	244.33
	Feb	216.67	212.00	244.33
	Mac	216.67	211.29	244.33
	Apr	216.67	211.29	242.67
	Mei	216.67	211.29	242.67
	Jun	218.33	211.29	246.00
	Jul	218.33	211.29	246.00
	Ogos	218.33	210.86	255.00
	Sep	218.33	217.00	255.00
	Okt	218.33	217.00	255.00
	Nov	223.33	217.00	255.00
<b>3.3.b.6 BMW14 (Wearing Course)</b>	<b>2023</b>			
	Nov	210.00	214.33	248.67
	Dis	210.00	214.33	248.67
	<b>2024</b>			
	Jan	217.50	214.22	245.33
	Feb	217.50	214.33	245.33
	Mac	217.50	214.33	245.33
	Apr	217.50	213.78	243.67
	Mei	217.50	209.88	243.67
	Jun	218.75	214.33	247.00
	Jul	218.75	214.33	247.00
	Ogos	218.75	214.00	256.00
	Sep	218.75	220.44	256.00
	Okt	218.75	220.44	256.00
	Nov	222.50	220.44	256.00

**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
<b>3.3.b Premix Bituminous Macadam (samb.)</b> (cont'd)		<b>RM Per Tan Metrik</b> RM Per Metric Ton		
<b>3.3.b.7 BMW20 (Wearing Course)</b>	<b>2023 Nov</b>	210.00	213.78	268.00
	<b>Dis</b>	210.00	212.11	268.00
	<b>2024 Jan</b>	210.00	212.11	268.00
	<b>Feb</b>	210.00	213.78	268.00
	<b>Mac</b>	210.00	212.11	268.00
	<b>Apr</b>	210.00	211.56	268.00
	<b>Mei</b>	210.00	207.38	268.00
	<b>Jun</b>	212.50	212.11	268.00
	<b>Jul</b>	212.50	212.11	268.00
	<b>Ogos</b>	212.50	212.11	279.00
	<b>Sep</b>	212.50	218.22	279.00
	<b>Okt</b>	212.50	218.22	279.00
	<b>Nov</b>	220.00	218.22	279.00



**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement</b>		<b>RM Per Kg</b>		
		RM Per Kg		
<b>3.4.1 A4, MS145</b>	<b>2023</b> Nov	3.64	3.78	4.04
	Dis	3.64	3.78	4.04
	<b>2024</b> Jan	3.64	4.12	4.04
	Feb	3.64	4.12	4.04
	Mac	3.64	4.12	4.04
	Apr	3.64	4.12	4.04
	Mei	3.64	4.29	4.04
	Jun	3.64	4.29	4.04
	Jul	3.64	4.29	4.07
	Ogos	3.64	4.29	4.07
	Sep	3.64	4.29	4.07
	Okt	3.64	4.29	4.07
	Nov	3.64	4.29	4.07
<b>3.4.2 A5, MS145</b>	<b>2023</b> Nov	3.27	3.55	4.00
	Dis	3.27	3.55	4.00
	<b>2024</b> Jan	3.27	3.85	4.00
	Feb	3.27	3.85	4.00
	Mac	3.27	3.85	4.00
	Apr	3.27	3.85	4.00
	Mei	3.27	3.85	4.00
	Jun	3.27	3.85	4.00
	Jul	3.27	3.85	4.04
	Ogos	3.27	3.85	4.04
	Sep	3.27	3.85	4.04
	Okt	3.27	3.85	4.04
	Nov	3.27	3.85	4.04
<b>3.4.3 A6, MS145</b>	<b>2023</b> Nov	2.93	3.32	3.59
	Dis	2.93	3.32	3.59
	<b>2024</b> Jan	2.93	3.83	3.59
	Feb	2.93	3.83	3.59
	Mac	2.93	3.83	3.59
	Apr	2.93	3.83	3.59
	Mei	2.93	3.83	3.59
	Jun	2.93	3.83	3.59
	Jul	2.93	3.83	3.62
	Ogos	2.93	3.83	3.62
	Sep	3.15 <sup>f</sup>	3.83	3.62
	Okt	3.11	3.83	3.62
	Nov	3.11	3.83	3.62

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)		<b>RM Per Kg</b> RM Per Kg		
<b>3.4.4 A7, MS145</b>	<b>2023</b> Nov	3.11	3.44	3.59
	Dis	3.11	3.44	3.59
	<b>2024</b> Jan	3.11	4.02	3.59
	Feb	3.11	4.03	3.59
	Mac	3.11	4.03	3.59
	Apr	3.11	4.03	3.59
	Mei	3.11	4.03	3.59
	Jun	3.11	4.03	3.59
	Jul	3.11	4.03	3.62
	Ogos	3.11	4.03	3.62
	Sep	3.11	4.03	3.62
	Okt	3.11	4.03	3.62
	Nov	3.11	4.03	3.62
<b>3.4.5 A8, MS145</b>	<b>2023</b> Nov	3.11	3.03	3.59
	Dis	3.11	3.03	3.59
	<b>2024</b> Jan	3.11	3.22	3.59
	Feb	3.11	3.22	3.59
	Mac	3.11	3.22	3.59
	Apr	3.11	3.22	3.59
	Mei	3.11	3.22	3.59
	Jun	3.11	3.22	3.59
	Jul	3.11	3.22	3.62
	Ogos	3.11	3.22	3.62
	Sep	3.12 <sup>f</sup>	3.22	3.62
	Okt	3.12	3.22	3.62
	Nov	3.12	3.22	3.62
<b>3.4.6 A9, MS145</b>	<b>2023</b> Nov	2.79	2.79	3.59
	Dis	2.79	2.79	3.59
	<b>2024</b> Jan	2.79	2.84	3.59
	Feb	2.79	2.84	3.59
	Mac	2.79	2.84	3.59
	Apr	2.79	2.84	3.59
	Mei	2.79	2.93	3.59
	Jun	2.79	2.93	3.59
	Jul	2.79	2.93	3.62
	Ogos	2.79	2.93	3.62
	Sep	3.11 <sup>f</sup>	2.93	3.62
	Okt	3.11	2.93	3.62
	Nov	3.11	2.93	3.62

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)		<b>RM Per Kg</b> RM Per Kg		
<b>3.4.7 A10, MS145</b>	<b>2023</b> Nov	3.24	2.80	3.59
	Dis	3.24	2.80	3.59
	<b>2024</b> Jan	3.24	2.91	3.59
	Feb	3.24	2.91	3.59
	Mac	3.24	2.91	3.59
	Apr	3.24	2.91	3.59
	Mei	3.24	2.91	3.59
	Jun	3.24	2.91	3.59
	Jul	3.24	2.91	3.62
	Ogos	3.24	2.91	3.62
	Sep	3.11 <sup>f</sup>	2.91	3.62
	Okt	3.11	2.91	3.62
	Nov	3.11	2.91	3.62
<b>3.4.8 B5, MS145</b>	<b>2023</b> Nov	3.60	3.45	3.99
	Dis	3.60	3.45	3.99
	<b>2024</b> Jan	3.60	3.83	3.99
	Feb	3.60	3.83	3.99
	Mac	3.60	3.80	3.99
	Apr	3.60	3.83	3.99
	Mei	3.60	3.83	3.99
	Jun	3.60	3.83	3.99
	Jul	3.60	3.83	4.03
	Ogos	3.60	3.83	4.03
	Sep	3.60	3.83	4.03
	Okt	3.60	3.83	4.03
	Nov	3.60	3.83	4.03
<b>3.4.9 B6, MS145</b>	<b>2023</b> Nov	3.24	3.03	3.59
	Dis	3.24	3.03	3.59
	<b>2024</b> Jan	3.24	3.31	3.59
	Feb	3.24	3.31	3.59
	Mac	3.24	3.31	3.59
	Apr	3.24	3.31	3.59
	Mei	3.24	3.31	3.59
	Jun	3.24	3.29	3.59
	Jul	3.24	3.29	3.62
	Ogos	3.24	3.29	3.62
	Sep	3.24	3.29	3.62
	Okt	3.24	3.29	3.62
	Nov	3.24	3.29	3.62

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)		<b>RM Per Kg</b> RM Per Kg		
<b>3.4.10 B7, MS145</b>	<b>2023</b> Nov	3.24	2.81	3.59
	Dis	3.24	2.81	3.59
	<b>2024</b> Jan	3.24	2.99	3.59
	Feb	3.24	2.99	3.59
	Mac	3.24	2.99	3.59
	Apr	3.24	2.99	3.59
	Mei	3.24	2.99	3.59
	Jun	3.24	2.99	3.59
	Jul	3.24	2.99	3.62
	Ogos	3.24	2.99	3.62
	Sep	3.24	2.99	3.62
	Okt	3.24	2.99	3.62
	Nov	3.24	2.99	3.62
<b>3.4.11 B8, MS145</b>	<b>2023</b> Nov	3.24	2.93	3.59
	Dis	3.24	2.93	3.59
	<b>2024</b> Jan	3.24	3.13	3.59
	Feb	3.24	3.13	3.59
	Mac	3.24	3.13	3.59
	Apr	3.24	3.13	3.59
	Mei	3.24	3.13	3.59
	Jun	3.24	3.13	3.59
	Jul	3.24	3.13	3.63
	Ogos	3.24	3.13	3.63
	Sep	3.24	3.13	3.63
	Okt	3.24	3.13	3.63
	Nov	3.24	3.13	3.63
<b>3.4.12 B9, MS145</b>	<b>2023</b> Nov	3.67	2.62	3.59
	Dis	3.67	2.62	3.59
	<b>2024</b> Jan	3.67	2.97	3.59
	Feb	3.67	2.97	3.59
	Mac	3.67	2.97	3.59
	Apr	3.67	2.97	3.59
	Mei	3.67	2.97	3.59
	Jun	3.67	2.97	3.59
	Jul	3.67	2.97	3.62
	Ogos	3.67	2.97	3.62
	Sep	3.67	2.97	3.62
	Okt	3.67	2.97	3.62
	Nov	3.67	2.97	3.62

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)			<b>RM Per Kg</b>	
			RM Per Kg	
<b>3.4.13 B10, MS145</b>	<b>2023</b> Nov	3.24	2.90	3.58
	Dis	3.24	2.90	3.58
	<b>2024</b> Jan	3.24	3.05	3.58
	Feb	3.24	3.05	3.58
	Mac	3.24	3.05	3.58
	Apr	3.24	3.05	3.58
	Mei	3.24	3.05	3.58
	Jun	3.24	3.10	3.58
	Jul	3.24	3.10	3.62
	Ogos	3.24	3.10	3.62
	Sep	3.24	3.10	3.62
	Okt	3.24	3.10	3.62
	Nov	3.24	3.10	3.62
<b>3.4.14 B12, MS145</b>	<b>2023</b> Nov	3.58	3.09	3.97
	Dis	3.58	3.09	3.97
	<b>2024</b> Jan	3.58	3.24	3.97
	Feb	3.58	3.24	3.97
	Mac	3.58	3.24	3.97
	Apr	3.58	3.24	3.97
	Mei	3.58	3.24	3.97
	Jun	3.58	3.24	3.97
	Jul	3.58	3.24	4.00
	Ogos	3.58	3.24	4.00
	Sep	3.58	3.24	4.00
	Okt	3.58	3.24	4.00
	Nov	3.58	3.24	4.00
<b>3.4.15 C5, MS145</b>	<b>2023</b> Nov	3.61	3.93	3.99
	Dis	3.61	3.93	3.99
	<b>2024</b> Jan	3.61	4.67	3.99
	Feb	3.61	4.67	3.99
	Mac	3.61	4.67	3.99
	Apr	3.61	4.67	3.99
	Mei	3.61	4.67	3.99
	Jun	3.61	4.67	3.99
	Jul	3.61	4.67	4.03
	Ogos	3.61	4.67	4.03
	Sep	3.61	4.67	4.03
	Okt	3.61	4.67	4.03
	Nov	3.61	4.67	4.03

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)		<b>RM Per Kg</b> RM Per Kg		
<b>3.4.16 C6, MS145</b>	<b>2023</b> Nov	3.60	3.67	3.99
	Dis	3.60	3.67	3.99
	<b>2024</b> Jan	3.60	4.22	3.99
	Feb	3.60	4.22	3.99
	Mac	3.60	4.22	3.99
	Apr	3.60	4.22	3.99
	Mei	3.60	4.22	3.99
	Jun	3.60	4.22	3.99
	Jul	3.60	4.22	4.03
	Ogos	3.60	4.22	4.03
	Sep	3.60	4.22	4.03
	Okt	3.60	4.22	4.03
	Nov	3.60	4.22	4.03
<b>3.4.17 C7, MS145</b>	<b>2023</b> Nov	3.60	3.61	3.99
	Dis	3.60	3.61	3.99
	<b>2024</b> Jan	3.60	4.12	3.99
	Feb	3.60	4.12	3.99
	Mac	3.60	4.12	3.99
	Apr	3.60	4.12	3.99
	Mei	3.60	4.12	3.99
	Jun	3.60	4.12	3.99
	Jul	3.60	4.12	4.02
	Ogos	3.60	4.12	4.02
	Sep	3.60	4.12	4.02
	Okt	3.60	4.12	4.02
	Nov	3.60	4.12	4.02
<b>3.4.18 C8, MS145</b>	<b>2023</b> Nov	3.59	3.58	3.98
	Dis	3.59	3.58	3.98
	<b>2024</b> Jan	3.59	4.10	3.98
	Feb	3.59	4.10	3.98
	Mac	3.59	4.10	3.98
	Apr	3.59	4.10	3.98
	Mei	3.59	4.10	3.98
	Jun	3.59	4.10	3.98
	Jul	3.59	4.10	4.01
	Ogos	3.59	4.10	4.01
	Sep	3.59	4.10	4.01
	Okt	3.59	4.10	4.01
	Nov	3.59	4.10	4.01

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)		<b>RM Per Kg</b> RM Per Kg		
<b>3.4.19 C9, MS145</b>	<b>2023</b> Nov	3.60	3.55	3.98
	Dis	3.60	3.55	3.98
	<b>2024</b> Jan	3.60	4.00	3.98
	Feb	3.60	4.00	3.98
	Mac	3.60	4.00	3.98
	Apr	3.60	4.00	3.98
	Mei	3.60	4.00	3.98
	Jun	3.60	4.00	3.98
	Jul	3.60	4.00	4.02
	Ogos	3.60	4.00	4.02
	Sep	3.60	4.00	4.02
	Okt	3.60	4.00	4.02
	Nov	3.60	4.00	4.02
<b>3.4.20 C10, MS145</b>	<b>2023</b> Nov	3.60	3.48	3.98
	Dis	3.60	3.48	3.98
	<b>2024</b> Jan	3.60	3.89	3.98
	Feb	3.60	3.89	3.98
	Mac	3.60	3.89	3.98
	Apr	3.60	3.89	3.98
	Mei	3.60	3.89	3.98
	Jun	3.60	3.89	3.98
	Jul	3.60	3.89	4.02
	Ogos	3.60	3.89	4.02
	Sep	3.60	3.89	4.02
	Okt	3.60	3.89	4.02
	Nov	3.60	3.89	4.02
<b>3.4.21 DA4, MS145</b>	<b>2023</b> Nov	3.64	3.80	4.02
	Dis	3.64	3.80	4.02
	<b>2024</b> Jan	3.64	4.42	4.02
	Feb	3.64	4.42	4.02
	Mac	3.64	4.42	4.02
	Apr	3.64	4.42	4.02
	Mei	3.64	4.42	4.02
	Jun	3.64	4.42	4.02
	Jul	3.64	4.42	4.06
	Ogos	3.64	4.42	4.06
	Sep	3.64	4.42	4.06
	Okt	3.64	4.42	4.06
	Nov	3.64	4.42	4.06



**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)		<b>RM Per Kg</b> RM Per Kg		
3.4.22 DA5, MS145	2023 Nov	3.61	3.74	4.00
	Dis	3.61	3.74	4.00
	2024 Jan	3.61	4.33	4.00
	Feb	3.61	4.33	4.00
	Mac	3.61	4.33	4.00
	Apr	3.61	4.33	4.00
	Mei	3.61	4.33	4.00
	Jun	3.61	4.33	4.00
	Jul	3.61	4.33	4.04
	Ogos	3.61	4.33	4.04
	Sep	3.61	4.33	4.04
	Okt	3.61	4.33	4.04
	Nov	3.61	4.33	4.04
3.4.23 DA6, MS145	2023 Nov	3.24	3.35	3.59
	Dis	3.24	3.35	3.59
	2024 Jan	3.24	3.87	3.59
	Feb	3.24	3.49	3.59
	Mac	3.24	3.87	3.59
	Apr	3.24	3.87	3.59
	Mei	3.24	3.87	3.59
	Jun	3.24	3.87	3.59
	Jul	3.24	3.87	3.62
	Ogos	3.24	3.87	3.62
	Sep	3.24	3.87	3.62
	Okt	3.24	3.87	3.62
	Nov	3.24	3.87	3.62
3.4.24 DA7, MS145	2023 Nov	3.24	3.21	3.59
	Dis	3.24	3.21	3.59
	2024 Jan	3.24	3.63	3.59
	Feb	3.24	3.63	3.59
	Mac	3.24	3.63	3.59
	Apr	3.24	3.63	3.59
	Mei	3.24	3.63	3.59
	Jun	3.24	3.63	3.59
	Jul	3.24	3.63	3.62
	Ogos	3.24	3.63	3.62
	Sep	3.24	3.63	3.62
	Okt	3.24	3.63	3.62
	Nov	3.24	3.63	3.62

**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 Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
<b>3.4 Fabric Reinforcement (samb.)</b> (cont'd)			<b>RM Per Kg</b>	
			RM Per Kg	
<b>3.4.25 DA8, MS145</b>	<b>2023</b>			
	Nov	3.24	3.14	3.59
	Dis	3.24	3.14	3.59
	<b>2024</b>			
	Jan	3.24	3.52	3.59
	Feb	3.24	3.52	3.59
	Mac	3.24	3.52	3.59
	Apr	3.24	3.52	3.59
	Mei	3.24	3.52	3.59
	Jun	3.24	3.52	3.59
	Jul	3.24	3.52	3.62
	Ogos	3.24	3.52	3.62
	Sep	3.24	3.52	3.62
	Okt	3.24	3.52	3.62
	Nov	3.24	3.52	3.62
<b>3.4.26 DA9, MS145</b>	<b>2023</b>			
	Nov	3.24	3.57	3.59
	Dis	3.24	3.57	3.59
	<b>2024</b>			
	Jan	3.24	3.57	3.59
	Feb	3.24	3.57	3.59
	Mac	3.24	3.57	3.59
	Apr	3.24	3.57	3.59
	Mei	3.24	3.57	3.59
	Jun	3.24	3.57	3.59
	Jul	3.24	3.57	3.62
	Ogos	3.24	3.57	3.62
	Sep	3.24	3.57	3.62
	Okt	3.24	3.57	3.62
	Nov	3.24	3.57	3.62
<b>3.4.27 DA10, MS145</b>	<b>2023</b>			
	Nov	3.23	3.56	3.57
	Dis	3.23	3.56	3.57
	<b>2024</b>			
	Jan	3.23	3.56	3.57
	Feb	3.23	3.56	3.57
	Mac	3.23	3.56	3.57
	Apr	3.23	3.56	3.57
	Mei	3.23	3.56	3.57
	Jun	3.23	3.56	3.57
	Jul	3.23	3.56	3.60
	Ogos	3.23	3.56	3.60
	Sep	3.23	3.56	3.60
	Okt	3.23	3.56	3.60
	Nov	3.23	3.56	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
<b>3.5 Guardrail</b>		<b>RM Per Meter</b> RM Per Metre		
<b>3.5.1 Single Mounted</b>	<b>2023 Nov</b>	206.15	207.95	212.60
<b>3.5.1.i 1.95m Post Spacing</b>	<b>Dis</b>	200.20	207.95	212.60
	<b>2024 Jan</b>	194.30	196.10	200.80
	<b>Feb</b>	194.30	196.10	200.80
	<b>Mac</b>	194.30	196.10	200.80
	<b>Apr</b>	189.40	191.15	195.90
	<b>Mei</b>	189.40	191.15	195.90
	<b>Jun</b>	189.40	191.15	195.90
	<b>Jul</b>	191.60	193.35	198.10
	<b>Ogos</b>	191.60	193.35	198.10
	<b>Sep</b>	191.60	193.35	198.10
	<b>Okt</b>	191.60	193.35	198.10
	<b>Nov</b>	191.60	193.35	198.10
<b>3.5.1.ii 3.80m Post Spacing</b>	<b>2023 Nov</b>	146.45	147.70	151.00
	<b>Dis</b>	142.35	147.70	151.00
	<b>2024 Jan</b>	138.20	139.45	142.80
	<b>Feb</b>	138.20	139.45	142.80
	<b>Mac</b>	138.20	139.45	142.80
	<b>Apr</b>	135.20	136.45	139.70
	<b>Mei</b>	135.20	136.45	139.70
	<b>Jun</b>	135.20	136.45	139.70
	<b>Jul</b>	136.30	137.55	140.80
	<b>Ogos</b>	136.30	137.55	140.80
	<b>Sep</b>	136.30	137.55	140.80
	<b>Okt</b>	136.30	137.55	140.80
	<b>Nov</b>	136.30	137.55	140.80

**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 pementungan (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
<b>3.5 Guardrail (samb.)</b> (cont'd)			<b>RM Per Meter</b>	
			RM Per Metre	
<b>3.5.2 Double Mounted</b>	<b>2023 Nov</b>	317.20	319.90	327.00
<b>3.5.2.i 1.95m Post Spacing</b>	<b>Dis</b>	308.40	319.90	327.00
	<b>2024 Jan</b>	299.60	302.30	309.40
	<b>Feb</b>	299.60	302.30	309.40
	<b>Mac</b>	299.60	302.30	309.40
	<b>Apr</b>	292.50	295.15	302.30
	<b>Mei</b>	292.50	295.15	302.30
	<b>Jun</b>	292.50	295.15	302.30
	<b>Jul</b>	295.20	297.90	305.00
	<b>Ogos</b>	295.20	297.90	305.00
	<b>Sep</b>	295.20	297.90	305.00
	<b>Okt</b>	295.20	297.90	305.00
	<b>Nov</b>	295.20	297.90	305.00
<b>3.5.2.ii 3.80m Post Spacing</b>	<b>2023 Nov</b>	245.40	247.45	252.90
	<b>Dis</b>	238.65	247.45	252.90
	<b>2024 Jan</b>	231.90	233.95	239.40
	<b>Feb</b>	231.90	233.95	239.40
	<b>Mac</b>	231.90	233.95	239.40
	<b>Apr</b>	227.25	229.70	234.80
	<b>Mei</b>	227.25	229.70	234.80
	<b>Jun</b>	227.25	229.70	234.80
	<b>Jul</b>	228.60	233.15	236.10
	<b>Ogos</b>	228.60	233.15	236.10
	<b>Sep</b>	228.60	233.15	236.10
	<b>Okt</b>	228.60	233.15	236.10
	<b>Nov</b>	228.60	233.15	236.10

**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 pementungan (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
<b>3.6.a Paip Air</b> Water Pipe		<b>RM Per Meter</b> RM Per Metre
<b>3.6.a.1 Mild Steel Pipe</b> 300mm	<b>2023</b> Nov	299.00
	Dis	303.00
	<b>2024</b> Jan	312.00
	Feb	314.00
	Mac	310.00
	Apr	307.00
	Mei	305.00
	Jun	303.00
	Jul	301.00
	Ogos	288.00
	Sep	280.00
	Okt	285.00
	Nov	290.00
<b>3.6.a.2 Stainless Steel Pipe</b> 25mm	<b>2023</b> Nov	n.a.
	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
<b>3.6.a.3 Ductile Iron Pipe</b> 300mm	<b>2023</b> Nov	n.a.
	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.

Sumber: Persatuan Industri Besi dan Keluli Malaysia (MISIF)

Sources: Malaysian Iron & Steel Industry Federation (MISIF)

**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
<b>3.6.a. Paip Air (samb.)</b> <i>Water Pipe (cont'd)</i>		<b>RM Per Meter</b> RM Per Metre
<b>3.6.a.4 High Density Polyethylene (HDPE) Pipe</b>	<b>2023</b> Nov	n.a.
	Dis	n.a.
<b>3.6.a.4.i. Compression Fitting Using For Jointing 25mm</b>	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
<b>3.6.a.4.ii. Electrofusion Jointing 160mm</b>	<b>2023</b> Nov	n.a.
	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
Okt	n.a.	
Nov	n.a.	
<b>3.6.a.4.iii. Butt Fussion 160mm</b>	<b>2023</b> Nov	n.a.
	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
Okt	n.a.	
Nov	n.a.	

**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
<b>3.6.b Paip Pembedungan (samb.)</b> <i>Sewerage Pipe (cont'd)</i>		<b>RM Per Meter</b> <i>RM Per Metre</i>
<b>3.6.b.1 Mild Steel Pipe</b> <b>300mm</b>	<b>2023</b> Nov	322.51
	Dis	326.82
	<b>2024</b> Jan	336.53
	Feb	338.69
	Mac	334.37
	Apr	331.14
	Mei	328.98
	Jun	326.82
	Jul	324.66
	Ogos	310.64
	Sep	302.01
Okt	307.41	
Nov	312.80	
<b>3.6.b.2 Ductile Iron Pipe</b> <b>250mm</b>	<b>2023</b> Nov	n.a.
	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
Okt	n.a.	
Nov	n.a.	
<b>3.6.b.3 High Density Polyethylene</b> <b>(HDPE) Pipe</b>	<b>2023</b> Nov	n.a.
	Dis	n.a.
<b>3.6.b.3.i Profile Pipe</b> <b>150mm</b>	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.

**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	
<b>3.6.b Paip Pembedungan (samb.)</b> <i>Sewerage Pipe (cont'd)</i>		<b>RM Per Meter</b> RM Per Metre	
<b>3.6.b.3 High Density Polyethylene (HDPE) Pipe</b>	<b>2023</b> Nov	108.02	
	Dis	108.02	
<b>3.6.b.3.ii Solid Pipe 250mm</b>	<b>2024</b> Jan	108.02	
	Feb	108.02	
	Mac	108.02	
	Apr	108.02	
	Mei	108.02	
	Jun	108.02	
	Jul	108.02	
	Ogos	108.02	
	Sep	108.02	
	Okt	108.02	
	Nov	108.02	
<b>3.6.b.4 Vitrified Clay Pipe</b>	<b>2023</b> Nov	111.97	
	Dis	111.97	
<b>3.6.b.4.i Standard Pipe 225mm</b>	<b>2024</b> Jan	111.97	
	Feb	111.97	
	Mac	111.97	
	Apr	111.97	
	Mei	111.97	
	Jun	111.97	
	Jul	112.34 <sup>f</sup>	
	Ogos	112.34	
	Sep	112.34	
	Okt	112.34	
	Nov	112.34	
<b>3.6.b.4.ii Jacking Pipe 225mm</b>	<b>2023</b> Nov	485.00	
	Dis	485.00	
	<b>2024</b> Jan	485.00	
	Feb	485.00	
	Mac	485.00	
	Apr	485.00	
	Mei	485.00	
	Jun	485.00	
	Jul	485.00	
	Ogos	485.00	
	Sep	485.00	
	Okt	485.00	
	Nov	485.00	



**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
<b>3.6.b Paip Pembedungan (samb.)</b> <i>Sewerage Pipe (cont'd)</i>		<b>RM Per Meter</b> RM Per Metre
<b>3.6.b.5 Reinforced Concrete Pipe</b>	<b>2023</b> Nov	289.00
<b>3.6.b.5.i Without Lining</b>	Dis	289.00
<b>900mm</b>	<b>2024</b> Jan	289.00
	Feb	289.00
	Mac	289.00
	Apr	289.00
	Mei	289.00
	Jun	289.00
	Jul	319.00
	Ogos	319.00
	Sep	319.00
	Okt	319.00
	Nov	319.00
<b>3.6.b.5.ii With Lining (High Alumina)</b>	<b>2023</b> Nov	n.a.
<b>900mm</b>	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
<b>3.6.b.5.iii With Lining (Sacrificial Lining)</b>	<b>2023</b> Nov	n.a.
<b>900mm</b>	Dis	n.a.
	<b>2024</b> Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	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
<b>3.6.b Paip Pembetungan</b> Sewerage Pipe		<b>RM Per Meter</b> RM Per Metre
<b>3.6.b.6 ABS Pipe</b>	<b>2023 Nov</b>	53.80
<b>3.6.b.6.i Gravity</b> <b>110mm</b>	<b>Dis</b>	53.80
	<b>2024 Jan</b>	53.80
	<b>Feb</b>	53.80
	<b>Mac</b>	53.80
	<b>Apr</b>	53.80
	<b>Mei</b>	53.80
	<b>Jun</b>	53.80
	<b>Jul</b>	53.80
	<b>Ogos</b>	53.80
	<b>Sep</b>	53.80
	<b>Okt</b>	53.80
	<b>Nov</b>	53.80
<b>3.6.b.6.ii Force Main</b> <b>225mm</b>	<b>2023 Nov</b>	n.a.
	<b>Dis</b>	n.a.
	<b>2024 Jan</b>	n.a.
	<b>Feb</b>	n.a.
	<b>Mac</b>	n.a.
	<b>Apr</b>	n.a.
	<b>Mei</b>	n.a.
	<b>Jun</b>	n.a.
	<b>Jul</b>	n.a.
	<b>Ogos</b>	n.a.
	<b>Sep</b>	n.a.
	<b>Okt</b>	n.a.
	<b>Nov</b>	n.a.

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**NOTA TEKNIKAL**  
*TECHNICAL NOTES*

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**1. PENDAHULUAN**

Jabatan Perangkaan Malaysia (DOSM) menerbitkan Siaran Khas 1 (Untuk kerja-kerja kejuruteraan awam) Semenanjung Malaysia secara bulanan setiap tahun sejak 1974. Siaran Khas 1 ini memaparkan statistik purata harga bahan-bahan binaan utama yang digunakan dalam aktiviti pembinaan struktur. DOSM bekerjasama dengan Jabatan Kerja Raya dan Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) dalam menentukan senarai dan spesifikasi bahan binaan.

**2. OBJEKTIF**

Objektif utama Siaran Khas 1 ini diterbitkan adalah untuk menyediakan statistik harga seunit bahan binaan bagi tujuan pengiraan kadar perubahan harga dan tidak boleh digunakan untuk mewakili kedudukan harga yang sebenar.

**3. KAEDAH PENGUMPULAN DATA**

Statistik harga purata bagi bahan seperti bar keluli, simen, pasir, batu baur, *fabric reinforcement* dan *guardrail* yang diterbitkan dalam Siaran Khas 1 ini diperoleh dari pungutan harga yang telah dibuat oleh DOSM Negeri di outlet terpilih. Outlet terpilih adalah outlet yang digunakan oleh kontraktor untuk membuat pembelian (*point of purchase*).

Selain pungutan harga oleh DOSM Negeri, terdapat juga data purata bahan binaan yang turut diperoleh atau dibekalkan oleh agensi-agensi lain.

**1. INTRODUCTION**

*The Department of Statistics Malaysia (DOSM) publishes Special Release 1 (For civil engineering works) of Peninsular Malaysia on a monthly basis every year since 1974. This Special Release 1 displays statistics on the average price of the main building materials used in structural construction activities. DOSM works with the Public Works Department and the Malaysian Construction Industry Development Board (CIDB) in determining the list and specification of building materials.*

**2. OBJECTIVE**

*The main objective of this Special Release 1 is to provide statistics on the price of a unit of building materials for the purpose of calculating the rate of price change and cannot be used to represent the actual price position.*

**3. DATA COLLECTION METHODS**

*The average price statistics for materials such as steel bars, cement, sand, aggregate, fabric reinforcement and guardrail published in this Special Release 1 are obtained from a price collection made by the State DOSM at selected outlets. The selected outlet is the outlet used by the contractor to make a purchase (point of purchase).*

*In addition to price collection by the State DOSM, there is also average data of building materials that are also obtained or supplied by other agencies.*

## NOTA TEKNIKAL

### 4. SKOP DAN LIPUTAN

- i. Harga yang dipungut bagi setiap bahan binaan adalah harga transaksi (harga yang dijual kepada kontraktor), termasuk harga borong dan harga selepas diskaun diberikan; harga termasuk semua jenis cukai, seperti cukai jualan, cukai import; harga pada tempoh hutang yang biasa diberi kepada kontraktor (*credit term*).
- ii. Harga yang direkodkan adalah mengikut spesifikasi yang ditetapkan seperti dalam borang pungutan harga. Penukaran harga ke unit yang diperlukan jika item dijual dalam unit yang berlainan. Harga juga tidak termasuk kos pemasangan.
- iii. Purata harga bagi Bitumen penembusan 60/70 adalah berdasarkan harga purata ex-Kuala Lumpur.
- iv. Harga yang dilaporkan oleh setiap DOSM negeri dikelaskan kepada tiga (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

### 5. FAKTOR PELARASAN

Faktor pelarasan bagi kategori dan saiz paip yang tidak diterbitkan dalam Siaran Khas 1 ini adalah seperti di **Lampiran A**.

## TECHNICAL NOTES

### 4. SCOPE AND COVERAGE

- i. The price collected for each building material is the transaction price (the price sold to the contractor), including the wholesale price and the price after the discount is given; price includes all types of taxes, such as sales tax, import tax; the price at the debt period that is usually given to the contractor (*credit term*).
- ii. The recorded price is according to the specifications set as in the price collection form. Price conversion to units required if items are sold in different units. The price also does not include installation costs.
- iii. The average price for 60/70 penetration Bitumen is based on the average price ex-Kuala Lumpur.
- iv. The prices reported by each state DOSM classified into three (3) areas 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

### 5. ADJUSTMENT FACTORS

Adjustment factors for pipe categories and sizes not published in this Special Release 1 are as in **Appendix A**.

## NOTA DAN SIMBOL

n.a	= Tidak diperoleh
r	= Kemaskini

## NOTES AND SYMBOLS

n.a	= Not available
r	= Revised

**LAMPIRAN**

*APPENDIX*



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

<p><b>Kategori dan saiz paip</b> <i>Category and size of pipe</i></p>	<p><b>Faktor pelarasan</b> <i>Adjustment factor</i></p>
<p style="text-align: center;"><b>Paip air</b> <i>Water pipe</i></p> <p>1. Mild Steel Pipe</p> <p style="margin-left: 40px;">100 mm Ø</p> <p style="margin-left: 60px;">150 "</p> <p style="margin-left: 60px;">200 "</p> <p style="margin-left: 60px;">250 "</p> <p style="margin-left: 60px;">300 "</p> <p style="margin-left: 60px;">350 "</p> <p style="margin-left: 60px;">400 "</p> <p style="margin-left: 60px;">450 "</p> <p style="margin-left: 60px;">500 "</p> <p style="margin-left: 60px;">600 "</p> <p style="margin-left: 60px;">700 "</p> <p style="margin-left: 60px;">750 "</p> <p style="margin-left: 60px;">800 "</p> <p style="margin-left: 60px;">900 "</p> <p style="margin-left: 60px;">1000 "</p> <p style="margin-left: 60px;">1100 "</p> <p style="margin-left: 60px;">1150 "</p> <p style="margin-left: 60px;">1200 "</p> <p style="margin-left: 60px;">1300 "</p> <p style="margin-left: 60px;">1400 "</p> <p style="margin-left: 60px;">1500 "</p> <p style="margin-left: 60px;">1600 "</p> <p style="margin-left: 60px;">1700 "</p> <p style="margin-left: 60px;">1800 "</p> <p style="margin-left: 60px;">1900 "</p> <p style="margin-left: 60px;">2000 "</p> <p style="margin-left: 60px;">2100 "</p> <p style="margin-left: 60px;">2200 "</p>	<p style="text-align: right;">0.25</p> <p style="text-align: right;">0.36</p> <p style="text-align: right;">0.47</p> <p style="text-align: right;">0.59</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.16</p> <p style="text-align: right;">1.32</p> <p style="text-align: right;">1.48</p> <p style="text-align: right;">1.63</p> <p style="text-align: right;">2.18</p> <p style="text-align: right;">2.80</p> <p style="text-align: right;">2.99</p> <p style="text-align: right;">3.18</p> <p style="text-align: right;">3.56</p> <p style="text-align: right;">4.25</p> <p style="text-align: right;">5.53</p> <p style="text-align: right;">5.83</p> <p style="text-align: right;">6.40</p> <p style="text-align: right;">7.60</p> <p style="text-align: right;">8.16</p> <p style="text-align: right;">10.32</p> <p style="text-align: right;">10.98</p> <p style="text-align: right;">11.64</p> <p style="text-align: right;">12.30</p> <p style="text-align: right;">12.96</p> <p style="text-align: right;">14.74</p> <p style="text-align: right;">16.01</p> <p style="text-align: right;">17.33</p>
<p>2. Stainless Steel Pipe</p> <p style="margin-left: 40px;">13 mm Ø (1/2")</p> <p style="margin-left: 60px;">20 " (3/4")</p> <p style="margin-left: 60px;">25 " (1")</p> <p style="margin-left: 60px;">32 " (1 1/4")</p> <p style="margin-left: 60px;">38 " (1 1/2")</p> <p style="margin-left: 60px;">50 " (2")</p> <p style="margin-left: 60px;">63 " (2 1/2")</p> <p style="margin-left: 60px;">75 " (3")</p> <p style="margin-left: 60px;">100 " (4")</p>	<p style="text-align: right;">0.53</p> <p style="text-align: right;">0.69</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.34</p> <p style="text-align: right;">1.59</p> <p style="text-align: right;">2.14</p> <p style="text-align: right;">3.42</p> <p style="text-align: right;">4.66</p> <p style="text-align: right;">6.72</p>

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

<p><b>Kategori dan saiz paip</b> <i>Category and size of pipe</i></p>	<p><b>Faktor pelarasan</b> <i>Adjustment factor</i></p>
<p style="text-align: center;"><b>Paip air</b> <i>Water pipe</i></p> <p>3. Ductile Iron Pipe</p> <p style="padding-left: 40px;">100 mm Ø</p> <p style="padding-left: 80px;">150 "</p> <p style="padding-left: 80px;">200 "</p> <p style="padding-left: 80px;">250 "</p> <p style="padding-left: 80px;">300 "</p> <p style="padding-left: 80px;">350 "</p> <p style="padding-left: 80px;">400 "</p> <p style="padding-left: 80px;">450 "</p> <p style="padding-left: 80px;">500 "</p> <p style="padding-left: 80px;">600 "</p> <p style="padding-left: 80px;">700 "</p>	<p style="text-align: right;">0.35</p> <p style="text-align: right;">0.45</p> <p style="text-align: right;">0.60</p> <p style="text-align: right;">0.79</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.25</p> <p style="text-align: right;">1.50</p> <p style="text-align: right;">1.78</p> <p style="text-align: right;">2.05</p> <p style="text-align: right;">2.70</p> <p style="text-align: right;">3.50</p>
<p>4. High Density Polyethylene (HDPE) Pipe</p> <p>i. Compression Fitting Using For Jointing</p> <p style="padding-left: 40px;">20 mm Ø</p> <p style="padding-left: 80px;">25 "</p> <p style="padding-left: 80px;">32 "</p> <p style="padding-left: 80px;">40 "</p> <p style="padding-left: 80px;">50 "</p> <p style="padding-left: 80px;">63 "</p> <p style="padding-left: 80px;">75 "</p> <p style="padding-left: 80px;">90 "</p> <p>ii. Electrofusion Jointing</p> <p style="padding-left: 40px;">110 mm Ø</p> <p style="padding-left: 80px;">125 "</p> <p style="padding-left: 80px;">140 "</p> <p style="padding-left: 80px;">160 "</p> <p style="padding-left: 80px;">180 "</p> <p style="padding-left: 80px;">200 "</p> <p style="padding-left: 80px;">225 "</p> <p style="padding-left: 80px;">250 "</p> <p style="padding-left: 80px;">280 "</p> <p style="padding-left: 80px;">315 "</p> <p style="padding-left: 80px;">355 "</p> <p style="padding-left: 80px;">400 "</p>	<p style="text-align: right;">0.69</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.63</p> <p style="text-align: right;">2.59</p> <p style="text-align: right;">3.93</p> <p style="text-align: right;">6.18</p> <p style="text-align: right;">8.83</p> <p style="text-align: right;">12.68</p> <p style="text-align: right;">0.48</p> <p style="text-align: right;">0.63</p> <p style="text-align: right;">0.80</p> <p style="text-align: right;">1.00</p> <p style="text-align: right;">1.30</p> <p style="text-align: right;">1.54</p> <p style="text-align: right;">1.96</p> <p style="text-align: right;">2.46</p> <p style="text-align: right;">3.27</p> <p style="text-align: right;">3.97</p> <p style="text-align: right;">6.29</p> <p style="text-align: right;">7.80</p>

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

<p><b>Kategori dan saiz paip</b> <i>Category and size of pipe</i></p>	<p><b>Faktor pelarasan</b> <i>Adjustment factor</i></p>
<p><b>Paip air</b> <i>Water pipe</i></p>	
<p>ii. Electrofusion Jointing (samb. / cont'd)</p>	
<p>450 mm Ø</p>	<p>12.98</p>
<p>500 "</p>	<p>17.76</p>
<p>560 "</p>	<p>21.02</p>
<p>iii. Butt Fussion</p>	
<p>110 mm Ø</p>	<p>0.48</p>
<p>125 "</p>	<p>0.62</p>
<p>140 "</p>	<p>0.76</p>
<p>160 "</p>	<p>1.00</p>
<p>180 "</p>	<p>1.25</p>
<p>200 "</p>	<p>1.56</p>
<p>225 "</p>	<p>1.94</p>
<p>250 "</p>	<p>2.38</p>
<p>280 "</p>	<p>2.97</p>
<p>315 "</p>	<p>3.76</p>
<p>355 "</p>	<p>4.79</p>
<p>400 "</p>	<p>6.06</p>
<p>450 "</p>	<p>7.90</p>
<p>500 "</p>	<p>7.90</p>
<p>560 "</p>	<p>12.61</p>

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

<b>Kategori dan saiz paip</b> <i>Category and size of pipe</i>	<b>Faktor pelarasan</b> <i>Adjustment factor</i>
<p style="text-align: center;"><b>Paip pembetulan</b> <i>Sewerage pipe</i></p> <p>1. Mild Steel Pipe</p> <p style="padding-left: 40px;">100 mm Ø</p> <p style="padding-left: 60px;">125 "</p> <p style="padding-left: 60px;">150 "</p> <p style="padding-left: 60px;">200 "</p> <p style="padding-left: 60px;">250 "</p> <p style="padding-left: 60px;">300 "</p> <p style="padding-left: 60px;">350 "</p> <p style="padding-left: 60px;">400 "</p> <p style="padding-left: 60px;">450 "</p> <p style="padding-left: 60px;">500 "</p> <p style="padding-left: 60px;">550 "</p> <p style="padding-left: 60px;">600 "</p> <p style="padding-left: 60px;">650 "</p> <p style="padding-left: 60px;">700 "</p> <p style="padding-left: 60px;">750 "</p> <p style="padding-left: 60px;">800 "</p> <p style="padding-left: 60px;">850 "</p> <p style="padding-left: 60px;">900 "</p> <p style="padding-left: 60px;">950 "</p> <p style="padding-left: 60px;">1000 "</p> <p style="padding-left: 60px;">1200 "</p> <p style="padding-left: 60px;">1400 "</p> <p style="padding-left: 60px;">1600 "</p> <p style="padding-left: 60px;">1800 "</p> <p style="padding-left: 60px;">2000 "</p> <p style="padding-left: 60px;">2100 "</p> <p style="padding-left: 60px;">2200 "</p>	<p style="padding-left: 100px;">0.40</p> <p style="padding-left: 100px;">0.50</p> <p style="padding-left: 100px;">0.59</p> <p style="padding-left: 100px;">0.79</p> <p style="padding-left: 100px;">0.99</p> <p style="padding-left: 100px;">1.00</p> <p style="padding-left: 100px;">1.38</p> <p style="padding-left: 100px;">1.58</p> <p style="padding-left: 100px;">1.78</p> <p style="padding-left: 100px;">1.98</p> <p style="padding-left: 100px;">2.20</p> <p style="padding-left: 100px;">2.37</p> <p style="padding-left: 100px;">2.50</p> <p style="padding-left: 100px;">2.77</p> <p style="padding-left: 100px;">2.96</p> <p style="padding-left: 100px;">3.16</p> <p style="padding-left: 100px;">3.40</p> <p style="padding-left: 100px;">3.56</p> <p style="padding-left: 100px;">3.80</p> <p style="padding-left: 100px;">3.95</p> <p style="padding-left: 100px;">4.74</p> <p style="padding-left: 100px;">5.53</p> <p style="padding-left: 100px;">6.32</p> <p style="padding-left: 100px;">7.11</p> <p style="padding-left: 100px;">7.91</p> <p style="padding-left: 100px;">8.30</p> <p style="padding-left: 100px;">8.70</p>
<p>2. Ductile Iron Pipe</p> <p style="padding-left: 40px;">80 mm Ø</p> <p style="padding-left: 60px;">100 "</p> <p style="padding-left: 60px;">150 "</p> <p style="padding-left: 60px;">200 "</p> <p style="padding-left: 60px;">250 "</p> <p style="padding-left: 60px;">300 "</p> <p style="padding-left: 60px;">350 "</p> <p style="padding-left: 60px;">400 "</p> <p style="padding-left: 60px;">450 "</p> <p style="padding-left: 60px;">500 "</p>	<p style="padding-left: 100px;">0.35</p> <p style="padding-left: 100px;">0.40</p> <p style="padding-left: 100px;">0.60</p> <p style="padding-left: 100px;">0.80</p> <p style="padding-left: 100px;">1.00</p> <p style="padding-left: 100px;">1.20</p> <p style="padding-left: 100px;">1.40</p> <p style="padding-left: 100px;">1.60</p> <p style="padding-left: 100px;">1.80</p> <p style="padding-left: 100px;">2.00</p>

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

<b>Kategori dan saiz paip</b> <i>Category and size of pipe</i>	<b>Faktor pelarasan</b> <i>Adjustment factor</i>
<b>Paip pembetungan</b> <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 pembedungan (samb.)**  
*Adjustment factor table for water pipe and sewerage pipe (cont'd)*

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

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

<p><b>Kategori dan saiz paip</b> <i>Category and size of pipe</i></p>	<p><b>Faktor pelarasan</b> <i>Adjustment factor</i></p>
<p style="text-align: center;"><b>Paip pembetungan</b> <i>Sewerage pipe</i></p> <p>4. Vitrified Clay Pipe</p> <p>    i. Vitrified Clay (Standard) 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;">225 "</p> <p style="padding-left: 40px;">300 "</p> <p style="padding-left: 40px;">375 "</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>    ii. Vitrified Clay (Jacking) 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;">225 "</p> <p style="padding-left: 40px;">300 "</p> <p style="padding-left: 40px;">375 "</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="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 pembetungan (samb.)**  
*Adjustment factor table for water pipe and sewerage pipe (cont'd)*

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

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

<b>Kategori dan saiz paip</b> <i>Category and size of pipe</i>	<b>Faktor pelarasan</b> <i>Adjustment factor</i>
<b>Paip pembetungan</b> <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, 2024**

*Scheduled Release Dates for Special Release 1  
(For Civil Engineering Works), Peninsular Malaysia, 2024*

<b>Tahun</b> <i>Year</i>	<b>Bulan Rujukan</b> <i>Reference Month</i>	<b>Tahun</b> <i>Year</i>	<b>Tarikh Pengumuman</b> <i>Release Date</i>
<b>2024</b>	<b>Januari</b> <i>January</i>	<b>2024</b>	<b>13 Februari</b> <i>13 February</i>
	<b>Februari</b> <i>February</i>		<b>08 Mac</b> <i>08 March</i>
	<b>Mac</b> <i>March</i>		<b>04 April</b> <i>04 April</i>
	<b>April</b> <i>April</i>		<b>08 Mei</b> <i>08 May</i>
	<b>Mei</b> <i>May</i>		<b>11 Jun</b> <i>11 June</i>
	<b>Jun</b> <i>June</i>		<b>11 Julai</b> <i>11 July</i>
	<b>Julai</b> <i>July</i>		<b>12 Ogos</b> <i>12 August</i>
	<b>Ogos</b> <i>August</i>		<b>11 September</b> <i>11 September</i>
	<b>September</b> <i>September</i>		<b>10 Oktober</b> <i>10 October</i>
	<b>Oktober</b> <i>October</i>		<b>12 November</b> <i>12 November</i>
	<b>November</b> <i>November</i>		<b>10 Disember</b> <i>10 December</i>
	<b>Disember</b> <i>December</i>		<b>2025</b>