



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

SIARAN KHAS **1**
Special Release

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

MEI **2024**
MAY

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>.

DOSM akan menjalankan Banci Pertanian pada tahun 2024. Mohon layari <https://www.myagricensus.gov.my/> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian."

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 a catalog of data and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.

DOSM will conduct the Agricultural Census in 2024. Please visit <https://www.myagricensus.gov.my/> for more information. The theme is "Agriculture Census, Key to Agricultural Development."

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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Tiada bahagian daripada terbitan ini boleh diterbitkan semula, disimpan untuk pengeluaran atau ditukar dalam apa-apa bentuk atau alat apa jua pun kecuali setelah mendapat kebenaran daripada Jabatan Perangkaan Malaysia.

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

MEI 2024

MALAYSIA

BESI

Purata : 3,730.46
RM Per Meter

MoM : 0.7 %
YoY : 0.6 %

SIMEN (ORDINARY PORTLAND)

Purata : 23.04
RM Sekarung 50 Kg

MoM : 0.1 %
YoY : 1.0 %

BATU BAUR

Purata : 44.26
RM Per Tan Metrik

MoM : 0.3 %
YoY : 4.1 %

MYCON 60 HIGH TENSILE DEFORMED BARS

Purata : 3,533.08
RM Per Tan Metrik

MoM : 0.3 %
YoY : -1.8 %

BAR BULAT KELULI LEMBUT

Purata : 3,922.40
RM Per Tan Metrik

MoM : 1.1 %
YoY : 2.9 %

PASIR

Purata : 48.33
RM Per Tan Metrik

MoM : 0.1 %
YoY : 13.5 %

SEMENANJUNG MALAYSIA

SABAH

SARAWAK

Bar Bulat Keluli Lembut

PURATA <i>RM Per Tan Metrik</i>
MoM (%)
YoY (%)

3,394.72
0.9
1.2

4,273.76
0.3
0.6

4,159.51
2.1
7.1

MYCON 60 HIGH TENSILE DEFORMED BARS

PURATA <i>RM Per Tan Metrik</i>
MoM (%)
YoY (%)

3,229.62
0.1
-1.6

3,805.40
0.3
-2.7

3,588.46
0.7
-1.1

SIMEN (ORDINARY PORTLAND)

PURATA <i>RM Sekarung 50 Kg</i>
MoM (%)
YoY (%)

22.72
0.4
2.2

19.42
0.0
0.0

20.68
0.0
0.0

PASIR

PURATA <i>RM Per Tan Metrik</i>
MoM (%)
YoY (%)

52.47
0.3
4.0

70.02
0.0
19.6

32.02
0.0
17.3

BATU BAUR

PURATA <i>RM Per Tan Metrik</i>
MoM (%)
YoY (%)

32.55
0.2
2.4

55.50
0.7
8.6

47.98
0.0
1.2

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



AVERAGE PRICE OF SELECTED BUILDING MATERIALS, MALAYSIA

MAY 2024

STEEL

Average : 3,730.46
RM Per Metre
MoM : 0.7 %
YoY : 0.6 %

ORDINARY PORTLAND CEMENT

Average : 23.04
RM Per 50 Kg Bag
MoM : 0.1 %
YoY : 1.0 %

MALAYSIA

AGGREGATES

Average : 44.26
RM Per Metric Ton
MoM : 0.3 %
YoY : 4.1 %

MYCON 60 HIGH TENSILE DEFORMED BARS

Average : 3,533.08
RM Per Metric Ton
MoM : 0.3 %
YoY : -1.8 %

MILD STEEL ROUND BARS

Average : 3,922.40
RM Per Metric Ton
MoM : 1.1 %
YoY : 2.9 %

SAND

Average : 48.33
RM Per Metric Ton
MoM : 0.1 %
YoY : 13.5 %

PENINSULAR MALAYSIA

SABAH

SARAWAK

MILD STEEL ROUND BARS

AVERAGE
RM Per Metric Ton
MoM (%)
YoY (%)

3,394.72

0.9

1.2

4,273.76

0.3

0.6

4,159.51

2.1

7.1

MYCON 60 HIGH TENSILE DEFORMED BARS

AVERAGE
RM Per Metric Ton
MoM (%)
YoY (%)

3,229.62

0.1

-1.6

3,805.40

0.3

-2.7

3,588.46

0.7

-1.1

ORDINARY PORTLAND CEMENT

AVERAGE
RM Per 50 Kg Bag
MoM (%)
YoY (%)

22.72

0.4

2.2

19.42

0.0

0.0

20.68

0.0

0.0

SAND

AVERAGE
RM Per Metric Ton
MoM (%)
YoY (%)

52.47

0.3

4.0

70.02

0.0

19.6

32.02

0.0

17.3

AGGREGATES

AVERAGE
RM Per Metric Ton
MoM (%)
YoY (%)

32.55

0.2

2.4

55.50

0.7

8.6

47.98

0.0

1.2

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
1.1 Bar Bulat Keluli Lembut BS-4449 <i>Mild Steel Round Bars BS-4449</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
1.1.1 10mm (3/8")	2023 Mei	3,488.28	3,514.50	3,240.14
	Jun	3,419.33	3,468.80	3,219.45
	Jul	3,293.68	3,390.75	3,194.22
	Ogos	3,265.36	3,363.65	3,194.22
	Sep	3,191.59	3,360.30	3,198.17
	Okt	3,271.38	3,353.50	3,198.17
	Nov	3,304.09	3,387.03	3,217.36
	Dis	3,323.92	3,407.36	3,201.27
	2024 Jan	3,345.75	3,441.43	3,182.06
	Feb	3,337.32	3,441.43	3,182.14
	Mac	3,350.60	3,451.75	3,182.14
	Apr	3,318.90	3,486.27	3,213.96
	Mei	3,353.58	3,486.27	3,213.96
1.1.2 12mm (1/2")	2023 Mei	3,488.28	3,519.16	3,243.18
	Jun	3,419.33	3,519.16	3,270.01
	Jul	3,300.00	3,439.99	3,238.89
	Ogos	3,272.18	3,415.90	3,239.89
	Sep	3,194.90	3,412.50	3,216.78
	Okt	3,274.77	3,410.79	3,216.78
	Nov	3,307.52	3,444.90	3,255.38
	Dis	3,327.37	3,448.35	3,245.62
	2024 Jan	3,345.75	3,455.24	3,226.14
	Feb	3,337.00	3,455.24	3,239.05
	Mac	3,350.60	3,465.61	3,239.05
	Apr	3,320.44	3,455.21	3,271.44
	Mei	3,353.58	3,455.21	3,271.44
1.1.3 16mm (5/8")	2023 Mei	3,469.40	3,433.38	3,271.36
	Jun	3,407.95	3,433.38	3,305.51
	Jul	3,294.60	3,330.40	3,216.72
	Ogos	3,263.31	3,313.75	3,216.72
	Sep	3,191.10	3,310.45	3,214.11
	Okt	3,270.88	3,310.45	3,214.11
	Nov	3,303.59	3,346.86	3,265.54
	Dis	3,310.19	3,350.21	3,239.41
	2024 Jan	3,329.85	3,356.91	3,229.69
	Feb	3,319.68	3,356.91	3,245.84
	Mac	3,333.38	3,366.98	3,245.84
	Apr	3,309.50	3,346.78	3,278.30
	Mei	3,337.92	3,375.56	3,306.49

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	
1.1 Bar Bulat Keluli Lembut BS-4449 (samb.)		RM Per Tan Metrik			
<i>Mild Steel Round Bars BS-4449 (cont'd)</i>		<i>RM Per Metric Ton</i>			
1.1.4 20mm-25mm (3/4"-1")	2023 Mei	3,421.54	3,525.34	2,946.17	
	Jun	3,413.51	3,525.34	2,946.00	
	Jul	3,330.22	3,468.93	2,922.93	
	Ogos	3,384.04	3,420.35	2,923.93	
	Sep	3,271.70	3,420.35	2,899.15	
	Okt	3,353.49	3,420.35	2,928.14	
	Nov	3,507.75	3,454.55	2,969.14	
	Dis	3,658.59	3,458.01	3,010.70	
	2024 Jan	3,848.83	3,464.92	3,010.70	
	Feb	3,887.32	3,464.92	3,131.13	
	Mac	3,895.10	3,471.85	3,143.66	
	Apr	3,973.00	3,461.44	3,175.09	
	Mei	4,052.46	3,530.67	3,238.59	
	1.1.5 32mm (1 1/4")	2023 Mei	3,704.90	3,164.71	2,987.25
		Jun	3,704.90	3,164.71	2,987.25
Jul		3,654.90	3,099.17	2,987.25	
Ogos		3,640.83	3,067.19	2,988.25	
Sep		3,554.90	3,067.19	2,988.25	
Okt		3,590.45	3,097.86	3,018.13	
Nov		3,626.35	3,128.84	3,063.40	
Dis		3,626.35	3,135.10	3,063.40	
2024 Jan		3,629.90	3,153.91	3,063.40	
Feb		3,629.90	3,153.91	3,063.40	
Mac		3,629.90	3,157.06	3,063.40	
Apr		3,666.20	3,188.63	3,094.04	
Mei		3,702.86	3,220.52	3,124.98	
1.2 Mycon 60					
<i>High Tensile Deformed Bars</i>					
1.2.1 10mm (3/8")	2023 Mei	3,402.33	3,236.20	3,471.34	
	Jun	3,352.58	3,177.79	3,372.59	
	Jul	3,301.41	3,176.63	3,380.02	
	Ogos	3,234.31	3,165.42	3,342.95	
	Sep	3,135.24	3,182.36	3,323.95	
	Okt	3,197.94	3,164.86	3,323.95	
	Nov	3,220.93	3,212.33	3,346.43	
	Dis	3,225.77	3,244.45	3,333.04	
	2024 Jan	3,282.53	3,247.70	3,356.61	
	Feb	3,275.10	3,247.70	3,387.63	
	Mac	3,265.10	3,250.95	3,391.02	
	Apr	3,272.80	3,247.69	3,458.84	
	Mei	3,276.50	3,247.69	3,458.84	

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.)		RM Per Tan Metrik		
High Tensile Deformed Bars (Cont'd)		RM Per Metric Ton		
1.2.2 12mm (1/2")	2023 Mei	3,383.49	3,236.20	3,480.32
	Jun	3,330.35	3,175.04	3,406.58
	Jul	3,279.92	3,166.08	3,413.98
	Ogos	3,214.30	3,148.85	3,413.98
	Sep	3,094.85	3,171.10	3,376.25
	Okt	3,156.75	3,150.49	3,376.25
	Nov	3,166.01	3,197.75	3,377.32
	Dis	3,202.51	3,236.12	3,377.32
	2024 Jan	3,265.42	3,239.35	3,408.10
	Feb	3,248.54	3,239.35	3,425.00
	Mac	3,252.97	3,239.35	3,425.00
	Apr	3,254.40	3,236.11	3,425.00
	Mei	3,257.80	3,239.35	3,428.43
	1.2.3 16mm–25mm (5/8"–1")	2023 Mei	3,280.80	3,418.82
Jun		3,212.03	3,384.60	3,090.72
Jul		3,156.53	3,169.42	3,121.04
Ogos		3,104.10	3,149.90	3,105.60
Sep		2,963.63	3,148.46	3,065.11
Okt		3,022.90	3,131.14	3,065.11
Nov		3,040.57	3,134.27	3,075.81
Dis		3,068.18	3,156.78	3,085.04
2024 Jan		3,130.27	3,164.19	3,088.54
Feb		3,119.04	3,164.19	3,103.35
Mac		3,119.04	3,157.86	3,103.35
Apr		3,124.40	3,154.70	3,103.35
Mei		3,135.90	3,166.38	3,114.83
1.2.4 32mm (1 1/4")		2023 Mei	3,258.69	3,189.00
	Jun	3,127.41	3,189.00	2,973.00
	Jul	3,061.69	3,193.11	2,973.00
	Ogos	3,080.14	3,173.55	2,973.00
	Sep	2,942.86	3,171.67	2,973.00
	Okt	3,001.72	3,146.30	3,032.46
	Nov	3,012.77	3,206.08 ^f	3,077.95
	Dis	3,045.91	3,247.76	3,087.18
	2024 Jan	3,100.28	3,257.50	3,087.18 ^f
	Feb	3,101.28	3,267.27	3,088.18
	Mac	3,087.83	3,277.07	3,089.18
	Apr	3,100.20	3,273.80	3,089.18
	Mei	3,097.70	3,270.52	3,086.09

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 Cement		RM Sekarung 50 Kg RM Per 50 Kg Bag		
1.3.1 Portland Biasa Ordinary Portland	2023 Mei	22.26	22.01	22.39
	Jun	22.57	22.03	22.49
	Jul	22.56	21.68	22.68
	Ogos	22.56	21.93	22.68
	Sep	22.62	22.17	22.72
	Okt	22.57	22.04	22.81
	Nov	22.57	22.25	22.62
	Dis	22.60	22.65	22.68
	2024 Jan	22.58	22.31	22.75
	Feb	22.57	22.31	22.75
	Mac	22.72	22.54	22.71
	Apr	22.60	22.70	22.60
	Mei	22.80	22.70	22.65

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

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

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
3.1 Pasir Sand		RM Per Tan Metrik RM Per Metric Ton		
3.1.1 Pasir Sungai River Sand	2023 Mei	52.43	61.64	38.67
	Jun	52.43	61.33 ^f	38.67
	Jul	53.08	61.33	38.67
	Ogos	53.68	61.33	38.67
	Sep	53.68	61.33	38.67
	Okt	53.68	61.53	38.67
	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
	3.1.2 Pasir Lombong Mining Sand	2023 Mei	42.08	62.32
Jun		42.08	62.32 ^f	n.a.
Jul		42.08	62.78	n.a.
Ogos		42.08	62.78	n.a.
Sep		42.08	62.04	n.a.
Okt		43.08	62.17	n.a.
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.
3.2 Batu Baur Aggregates				
3.2.1 Granite 10mm (3/8")	2023 Mei	31.63	31.34	33.94
	Jun	31.63	31.18	33.94
	Jul	31.88	31.28	33.94
	Ogos	31.88	31.25	33.94
	Sep	32.00	31.37	33.94
	Okt	32.00	31.39	34.75
	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

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 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
3.2 Batu Baur (Samb.) <i>Aggregates (Cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
3.2.2 Granite 20mm (3/4")	2023			
	Mei	52.79	35.24	33.05
	Jun	52.79	35.73	33.05
	Jul	53.00	36.04	33.05
	Ogos	53.00	36.04	33.05
	Sep	53.51	36.05	33.05
	Okt	53.30	36.89	33.59
	Nov	53.65	36.94	33.40
	Dis	54.33	36.94	33.40
	2024			
	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
3.2.3 Granite 40mm (1 1/2")	2023			
	Mei	29.50	33.17	32.91
	Jun	29.50	33.27	32.91
	Jul	30.50	33.27	32.91
	Ogos	30.50	33.27	32.91
	Sep	30.50	33.27	32.91
	Okt	30.50	33.27	34.08
	Nov	24.86	33.42	35.93
	Dis	24.86	33.42	35.93
	2024			
	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
3.2.4 Crushed Aggregate (Crusher Run)	2023			
	Mei	25.82	24.66	25.00
	Jun	25.82	24.29	25.00
	Jul	25.95	24.53	25.00
	Ogos	25.95	24.53	25.00
	Sep	25.95	24.64 ^f	25.00
	Okt	25.95	24.64	25.00
	Nov	25.95	24.64	25.13
	Dis	25.95	24.64	25.13
	2024			
	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

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
3.3.a Premix Asphaltic Concrete		RM Per Tan Metrik RM Per Metric Ton		
3.3.a.1 AC 10 (Wearing Course)	2023 Mei	205.00	212.80	310.00
	Jun	205.00	214.05	310.00
	Jul	205.00	211.80	310.00
	Ogos	205.00	211.80	299.00
	Sep	210.00	209.80	288.00
	Okt	211.25	209.80	288.00
	Nov	211.25	209.80	260.25
	Dis	211.25	209.80	260.25
	2024 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
	3.3.a.2 AC 14 (Wearing Course)	2023 Mei	211.50	216.25
Jun		206.50	217.38	253.00
Jul		206.50	215.67	251.75
Ogos		206.50	215.67	249.00
Sep		207.67	214.00	246.25
Okt		208.50	214.00	248.75
Nov		209.17	214.00	245.08
Dis		209.17	214.00	245.08
2024 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
3.3.a.3 AC 28 (Binder Course)		2023 Mei	210.25	210.40
	Jun	205.25	211.90	249.25
	Jul	205.25	210.40	248.00
	Ogos	205.25	210.40	245.25
	Sep	204.33	208.40	242.50
	Okt	206.00	205.50	245.00
	Nov	206.00	205.50	241.02
	Dis	206.00	205.50	241.02
	2024 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

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 (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.a.4 ACW 20 (Wearing Course)	2023 Mei	209.33	213.45	260.67
	Jun	209.33	215.09	260.67
	Jul	209.33	214.18	259.00
	Ogos	209.33	213.91	255.33
	Sep	209.60	212.09	251.67
	Okt	211.60	212.09	255.00
	Nov	211.60	212.09	256.67
	Dis	211.60	212.09	256.67
	2024 Jan	216.33	212.09	253.33
	Feb	216.33	212.09	253.33
	Mac	217.17	212.09	253.33
	Apr	217.17	211.18	251.67
	Mei	218.83	211.18	251.67

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
3.3.b Premix Bituminous Macadam		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.1 BMR40 (Bound Roadbase)	2023 Mei	165.00	184.40	n.a.
	Jun	165.00	184.40	n.a.
	Jul	165.00	186.40	n.a.
	Ogos	165.00	186.40	n.a.
	Sep	200.00	186.40	n.a.
	Okt	200.00	186.40	n.a.
	Nov	200.00	186.40	n.a.
	Dis	200.00	184.40	n.a.
	2024 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.
	3.3.b.2 BMR28 (Bound Roadbase)	2023 Mei	165.00	193.50
Jun		165.00	193.50	n.a.
Jul		165.00	194.75	n.a.
Ogos		165.00	193.19	n.a.
Sep		205.00	194.75	n.a.
Okt		205.00	194.75	n.a.
Nov		205.00	194.75	n.a.
Dis		205.00	194.75	n.a.
2024 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.
3.3.b.3 BML10 (Levelling Course)		2023 Mei	165.00	216.50
	Jun	165.00	216.50	225.50
	Jul	165.00	215.67	223.00
	Ogos	165.00	217.71	223.00
	Sep	212.50	217.71	223.00
	Okt	212.50	217.71	228.00
	Nov	211.67	217.71	230.50
	Dis	211.67	217.71	230.50
	2024 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

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
3.3.b Premix Bituminous Macadam (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.4 BMB28 (Binder Course)	2023 Mei	165.00	206.00	222.50
	Jun	165.00	206.00	222.50
	Jul	165.00	205.38	220.00
	Ogos	165.00	205.38	220.00
	Sep	205.00	205.38	220.00
	Okt	210.00	205.38	225.00
	Nov	206.67	205.38	227.50
	Dis	206.67	205.38	227.50
	2024 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
	3.3.b.5 BMB20 (Binder Course)	2023 Mei	165.00	213.43
Jun		165.00	213.43	251.67
Jul		165.00	212.00	250.00
Ogos		165.00	212.00	246.33
Sep		207.50	212.00	242.67
Okt		207.50	212.00	246.00
Nov		207.50	212.00	247.67
Dis		207.50	211.29	247.67
2024 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
3.3.b.6 BMW14 (Wearing Course)		2023 Mei	165.00	213.22
	Jun	165.00	213.22	252.67
	Jul	165.00	213.22	251.00
	Ogos	165.00	212.11	247.33
	Sep	210.00	213.22	243.67
	Okt	210.00	213.22	247.00
	Nov	210.00	214.33	248.67
	Dis	210.00	214.33	248.67
	2024 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

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
3.3.b Premix Bituminous Macadam (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.7 BMW20 (Wearing Course)	2023 Mei	165.00	211.00	279.00
	Jun	165.00	211.00	279.00
	Jul	165.00	212.67	279.00
	Ogos	165.00	211.56	273.50
	Sep	210.00	212.67	268.00
	Okt	210.00	212.67	268.00
	Nov	210.00	213.78	268.00
	Dis	210.00	212.11	268.00
	2024 Jan	210.00	212.11	268.00
	Feb	210.00	213.78	268.00
	Mac	210.00	212.11	268.00
	Apr	210.00	211.56	268.00
	Mei	210.00	207.38	268.00

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
3.4 Fabric Reinforcement		RM Per Kg		
		<i>RM Per Kg</i>		
3.4.1 A4, MS145	2023 Mei	3.64	3.55	3.85
	Jun	3.64	3.55	3.85
	Jul	3.64	3.55	3.85
	Ogos	3.64	3.78	3.81
	Sep	3.64	3.78	4.05
	Okt	3.64	3.78	4.05
	Nov	3.64	3.78	4.04
	Dis	3.64	3.78	4.04
	2024 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
	3.4.2 A5, MS145	2023 Mei	3.27	3.47
Jun		3.27	3.48	3.82
Jul		3.27	3.47	3.82
Ogos		3.27	3.55	3.77
Sep		3.27	3.55	4.01
Okt		3.27	3.55	4.01
Nov		3.27	3.55	4.00
Dis		3.27	3.55	4.00
2024 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
3.4.3 A6, MS145		2023 Mei	2.93	3.34
	Jun	2.93	3.34	3.42
	Jul	2.93	3.34	3.42
	Ogos	2.93	3.32	3.38
	Sep	2.93	3.32	3.60
	Okt	2.93	3.32	3.60
	Nov	2.93	3.32	3.59
	Dis	2.93	3.32	3.59
	2024 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

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	
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg			
3.4.4 A7, MS145	2023 Mei	3.11	3.43	3.42	
	Jun	3.11	3.43	3.42	
	Jul	3.11	3.43	3.42	
	Ogos	3.11	3.44	3.38	
	Sep	3.11	3.44	3.60	
	Okt	3.11	3.44	3.60	
	Nov	3.11	3.44	3.59	
	Dis	3.11	3.44	3.59	
	2024 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	
	3.4.5 A8, MS145	2023 Mei	3.11	3.00	3.43
		Jun	3.11	3.00	3.43
Jul		3.11	3.00	3.43	
Ogos		3.11	3.03	3.39	
Sep		3.11	3.03	3.60	
Okt		3.11	3.03	3.60	
Nov		3.11	3.03	3.59	
Dis		3.11	3.03	3.59	
2024 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	
3.4.6 A9, MS145		2023 Mei	2.79	2.84	3.42
		Jun	2.79	2.84	3.42
	Jul	2.79	2.84	3.42	
	Ogos	2.79	2.79	3.38	
	Sep	2.79	2.79	3.60	
	Okt	2.79	2.79	3.60	
	Nov	2.79	2.79	3.59	
	Dis	2.79	2.79	3.59	
	2024 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	

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	
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg			
3.4.7 A10, MS145	2023 Mei	3.24	2.86	3.42	
	Jun	3.24	2.86	3.42	
	Jul	3.24	2.86	3.42	
	Ogos	3.24	2.80	3.38	
	Sep	3.24	2.80	3.60	
	Okt	3.24	2.80	3.60	
	Nov	3.24	2.80	3.59	
	Dis	3.24	2.80	3.59	
	2024 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	
	3.4.8 B5, MS145	2023 Mei	3.60	3.48	3.81
		Jun	3.60	3.48	3.81
Jul		3.60	3.48	3.81	
Ogos		3.60	3.45	3.76	
Sep		3.60	3.45	4.00	
Okt		3.60	3.45	4.00	
Nov		3.60	3.45	3.99	
Dis		3.60	3.45	3.99	
2024 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	
3.4.9 B6, MS145		2023 Mei	3.24	3.10	3.42
		Jun	3.24	3.10	3.42
	Jul	3.24	3.10	3.42	
	Ogos	3.24	3.03	3.38	
	Sep	3.24	3.03	3.60	
	Okt	3.24	3.00	3.60	
	Nov	3.24	3.03	3.59	
	Dis	3.24	3.03	3.59	
	2024 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	

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
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg	
			RM Per Kg	
3.4.10 B7, MS145	2023 Mei	3.24	2.95	3.42
	Jun	3.24	2.95	3.42
	Jul	3.24	2.95	3.42
	Ogos	3.24	2.81	3.38
	Sep	3.24	2.81	3.60
	Okt	3.24	2.81	3.60
	Nov	3.24	2.81	3.59
	Dis	3.24	2.81	3.59
	2024 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
3.4.11 B8, MS145	2023 Mei	3.24	3.01	3.43
	Jun	3.24	3.01	3.43
	Jul	3.24	3.01	3.43
	Ogos	3.24	2.93	3.39
	Sep	3.24	2.93	3.60
	Okt	3.24	2.93	3.60
	Nov	3.24	2.93	3.59
	Dis	3.24	2.93	3.59
	2024 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
3.4.12 B9, MS145	2023 Mei	3.67	2.71	3.43
	Jun	3.67	2.71	3.43
	Jul	3.67	2.71	3.43
	Ogos	3.67	2.62	3.38
	Sep	3.67	2.62	3.60
	Okt	3.67	2.62	3.60
	Nov	3.67	2.62	3.59
	Dis	3.67	2.62	3.59
	2024 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

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
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg	
			RM Per Kg	
3.4.13 B10, MS145	2023 Mei	3.24	3.00	3.42
	Jun	3.24	3.00	3.42
	Jul	3.24	3.00	3.42
	Ogos	3.24	2.90	3.38
	Sep	3.24	2.90	3.59
	Okt	3.24	2.90	3.59
	Nov	3.24	2.90	3.58
	Dis	3.24	2.90	3.58
	2024 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
3.4.14 B12, MS145	2023 Mei	3.58	3.22	3.79
	Jun	3.58	3.22	3.79
	Jul	3.58	3.22	3.79
	Ogos	3.58	3.09	3.74
	Sep	3.58	3.09	3.98
	Okt	3.58	3.09	3.98
	Nov	3.58	3.09	3.97
	Dis	3.58	3.09	3.97
	2024 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
3.4.15 C5, MS145	2023 Mei	3.61	3.96	3.81
	Jun	3.61	3.96	3.81
	Jul	3.61	3.96	3.81
	Ogos	3.61	3.93	3.76
	Sep	3.61	3.93	4.00
	Okt	3.61	3.93	4.00
	Nov	3.61	3.93	3.99
	Dis	3.61	3.93	3.99
	2024 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

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
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.16 C6, MS145	2023 Mei	3.60	3.78	3.81
	Jun	3.60	3.78	3.81
	Jul	3.60	3.78	3.81
	Ogos	3.60	3.67	3.76
	Sep	3.60	3.67	4.00
	Okt	3.60	3.67	4.00
	Nov	3.60	3.67	3.99
	Dis	3.60	3.67	3.99
	2024 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
	3.4.17 C7, MS145	2023 Mei	3.60	3.68
Jun		3.60	3.68	3.81
Jul		3.60	3.68	3.81
Ogos		3.60	3.61	3.76
Sep		3.60	3.61	4.00
Okt		3.60	3.61	4.00
Nov		3.60	3.61	3.99
Dis		3.60	3.61	3.99
2024 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
3.4.18 C8, MS145		2023 Mei	3.59	3.64
	Jun	3.59	3.64	3.80
	Jul	3.59	3.64	3.80
	Ogos	3.59	3.58	3.75
	Sep	3.59	3.58	3.99
	Okt	3.59	3.58	3.99
	Nov	3.59	3.58	3.98
	Dis	3.59	3.58	3.98
	2024 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

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
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg	
			RM Per Kg	
3.4.19 C9, MS145	2023 Mei	3.60	3.70	3.80
	Jun	3.60	3.70	3.80
	Jul	3.60	3.70	3.80
	Ogos	3.60	3.55	3.75
	Sep	3.60	3.55	3.99
	Okt	3.60	3.55	3.99
	Nov	3.60	3.55	3.98
	Dis	3.60	3.55	3.98
	2024 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
3.4.20 C10, MS145	2023 Mei	3.60	3.64	3.80
	Jun	3.60	3.64	3.80
	Jul	3.60	3.64	3.80
	Ogos	3.60	3.48	3.76
	Sep	3.60	3.48	3.99
	Okt	3.60	3.48	3.99
	Nov	3.60	3.48	3.98
	Dis	3.60	3.48	3.98
	2024 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
3.4.21 DA4, MS145	2023 Mei	3.64	3.72	3.84
	Jun	3.64	3.72	3.84
	Jul	3.64	3.72	3.84
	Ogos	3.64	3.80	3.79
	Sep	3.64	3.80	4.03
	Okt	3.64	3.80	4.03
	Nov	3.64	3.80	4.02
	Dis	3.64	3.80	4.02
	2024 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

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
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg	
			RM Per Kg	
3.4.22 DA5, MS145	2023 Mei	3.61	4.22	3.82
	Jun	3.61	4.22	3.82
	Jul	3.61	3.78	3.82
	Ogos	3.61	3.74	3.77
	Sep	3.61	3.74	4.01
	Okt	3.61	3.74	4.01
	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
3.4.23 DA6, MS145	2023 Mei	3.24	3.44	3.42
	Jun	3.24	3.44	3.42
	Jul	3.24	3.44	3.42
	Ogos	3.24	3.35	3.38
	Sep	3.24	3.35	3.60
	Okt	3.24	3.35	3.60
	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
3.4.24 DA7, MS145	2023 Mei	3.24	3.35	3.42
	Jun	3.24	3.35	3.42
	Jul	3.24	3.35	3.42
	Ogos	3.24	3.21	3.38
	Sep	3.24	3.21	3.60
	Okt	3.24	3.21	3.60
	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

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
3.4 Fabric Reinforcement (samb.) (cont'd)			RM Per Kg	
			RM Per Kg	
3.4.25 DA8, MS145	2023 Mei	3.24	3.28	3.43
	Jun	3.24	3.28	3.43
	Jul	3.24	3.28	3.43
	Ogos	3.24	3.14	3.39
	Sep	3.24	3.14	3.60
	Okt	3.24	3.14	3.60
	Nov	3.24	3.14	3.59
	Dis	3.24	3.14	3.59
	2024 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
3.4.26 DA9, MS145	2023 Mei	3.24	3.82	3.42
	Jun	3.24	3.82	3.42
	Jul	3.24	3.82	3.42
	Ogos	3.24	3.57	3.38
	Sep	3.24	3.57	3.60
	Okt	3.24	3.57	3.60
	Nov	3.24	3.57	3.59
	Dis	3.24	3.57	3.59
	2024 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
3.4.27 DA10, MS145	2023 Mei	3.24	3.86	3.41
	Jun	3.24	3.86	3.41
	Jul	3.24	3.86	3.41
	Ogos	3.23	3.56	3.37
	Sep	3.23	3.56	3.58
	Okt	3.23	3.56	3.58
	Nov	3.23	3.56	3.57
	Dis	3.23	3.56	3.57
	2024 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

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		RM Per Meter RM Per Metre		
3.5.1 Single Mounted	2023 Mei	211.10	212.85	217.60
3.5.1.i 1.95m Post Spacing	Jun	211.10	212.85	217.60
	Jul	211.10	212.85	217.60
	Ogos	206.15	207.95	212.60
	Sep	206.15	207.95	212.60
	Okt	206.15	207.95	212.60
	Nov	206.15	207.95	212.60
	Dis	200.20	207.95	212.60
	2024 Jan	194.30	196.10	200.80
	Feb	194.30	196.10	200.80
	Mac	194.30	196.10	200.80
	Apr	189.40	191.15	195.90
	Mei	189.40	191.15	195.90
3.5.1.ii 3.80m Post Spacing	2023 Mei	151.40	152.65	156.00
	Jun	151.40	152.65	156.00
	Jul	151.40	152.65	156.00
	Ogos	146.45	147.70	151.00
	Sep	146.45	147.70	151.00
	Okt	146.45	147.70	151.00
	Nov	146.45	147.70	151.00
	Dis	142.35	147.70	151.00
	2024 Jan	138.20	139.45	142.80
	Feb	138.20	139.45	142.80
	Mac	138.20	139.45	142.80
	Apr	135.20	136.45	139.70
	Mei	135.20	136.45	139.70

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	2023 Mei	327.10	329.80	336.90
3.5.2.i 1.95m Post Spacing	Jun	327.10	329.80	336.90
	Jul	327.10	329.80	336.90
	Ogos	317.20	319.90	327.00
	Sep	317.20	319.90	327.00
	Okt	317.20	319.90	327.00
	Nov	317.20	319.90	327.00
	Dis	308.40	319.90	327.00
	2024 Jan	299.60	302.30	309.40
	Feb	299.60	302.30	309.40
	Mac	299.60	302.30	309.40
	Apr	292.50	295.15	302.30
	Mei	292.50	295.15	302.30
3.5.2.ii 3.80m Post Spacing	2023 Mei	255.30	257.30	262.80
	Jun	255.30	257.30	262.80
	Jul	255.30	257.30	262.80
	Ogos	245.40	247.45	252.90
	Sep	245.40	247.45	252.90
	Okt	245.40	247.45	252.90
	Nov	245.40	247.45	252.90
	Dis	238.65	247.45	252.90
	2024 Jan	231.90	233.95	239.40
	Feb	231.90	233.95	239.40
	Mac	231.90	233.95	239.40
	Apr	227.25	229.70	234.80
	Mei	227.25	229.70	234.80

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
		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	2023 Mei	316.00
	Jun	308.00
	Jul	298.00
	Ogos	299.00
	Sep	299.00
	Okt	302.00
	Nov	299.00
	Dis	303.00
	2024 Jan	312.00
	Feb	314.00
	Mac	310.00
	Apr	307.00
	Mei	305.00
	3.6.a.2 Stainless Steel Pipe 25mm	2023 Mei
Jun		n.a.
Jul		n.a.
Ogos		n.a.
Sep		n.a.
Okt		n.a.
Nov		n.a.
Dis		n.a.
2024 Jan		n.a.
Feb		n.a.
Mac		n.a.
Apr		n.a.
Mei		n.a.
3.6.a.3 Ductile Iron Pipe 300mm		2023 Mei
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	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
3.6.a. Paip Air (samb.) <i>Water Pipe (cont'd)</i>		RM Per Meter RM Per Metre
3.6.a.4 High Density Polyethylene (HDPE) Pipe 3.6.a.4.i. Compression Fitting Using For Jointing 25mm	2023 Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	3.6.a.4.ii. Electrofusion Jointing 160mm	2023 Mei
Jun		n.a.
Jul		n.a.
Ogos		n.a.
Sep		n.a.
Okt		n.a.
Nov		n.a.
Dis		n.a.
2024 Jan		n.a.
Feb		n.a.
Mac		n.a.
Apr		n.a.
Mei		n.a.
3.6.a.4.iii. Butt Fussion 160mm		2023 Mei
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	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
3.6.b Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
3.6.b.1 Mild Steel Pipe 300mm	2023 Mei	340.84
	Jun	332.21 ^f
	Jul	321.43 ^f
	Ogos	322.51
	Sep	322.51
	Okt	325.74
	Nov	322.51
	Dis	326.82
	2024 Jan	336.53
	Feb	338.69
	Mac	334.37
	Apr	331.14
	Mei	328.98
	3.6.b.2 Ductile Iron Pipe 250mm	2023 Mei
Jun		n.a.
Jul		n.a.
Ogos		n.a.
Sep		n.a.
Okt		n.a.
Nov		n.a.
Dis		n.a.
2024 Jan		n.a.
Feb		n.a.
Mac		n.a.
Apr		n.a.
Mei		n.a.
3.6.b.3 High Density Polyethylene (HDPE) Pipe		2023 Mei
	Jun	n.a.
3.6.b.3.i. Profile Pipe 150mm	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
Mei	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
3.6.b Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter RM Per Metre
3.6.b.3 High Density Polyethylene (HDPE) Pipe 3.6.b.3.ii Solid Pipe 250mm	2023 Mei	108.02
	Jun	108.02
	Jul	108.02
	Ogos	108.02
	Sep	108.02
	Okt	108.02
	Nov	108.02
	Dis	108.02
	2024 Jan	108.02
	Feb	108.02
	Mac	108.02
	Apr	108.02
	Mei	108.02
	3.6.b.4 Vitrified Clay Pipe 3.6.b.4.i Standard Pipe 225mm	2023 Mei
Jun		104.54
Jul		104.54
Ogos		104.54
Sep		104.54
Okt		111.97 ^r
Nov		111.97
Dis		111.97
2024 Jan		111.97
Feb		111.97
Mac		111.97
Apr		111.97
Mei		111.97
3.6.b.4.ii Jacking Pipe 225mm		2023 Mei
	Jun	485.00
	Jul	485.00
	Ogos	485.00
	Sep	485.00
	Okt	485.00
	Nov	485.00
	Dis	485.00
	2024 Jan	485.00
	Feb	485.00
	Mac	485.00
	Apr	485.00
	Mei	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
3.6.b Paip Pembedungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter RM Per Metre
3.6.b.5 Reinforced Concrete Pipe	2023 Mei	253.50
3.6.b.5.i Without Lining	Jun	253.50
900mm	Jul	253.50
	Ogos	253.50
	Sep	253.50
	Okt	289.00
	Nov	289.00
	Dis	289.00
	2024 Jan	289.00
	Feb	289.00
	Mac	289.00
	Apr	289.00
	Mei	289.00
3.6.b.5.ii With Lining (High Alumina)	2023 Mei	n.a.
900mm	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
3.6.b.5.iii With Lining (Sacrificial Lining)	2023 Mei	n.a.
900mm	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	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 Sewerage Pipe		RM Per Meter RM Per Metre
3.6.b.6 ABS Pipe	2023 Mei	53.80
3.6.b.6.i Gravity	Jun	53.80
110mm	Jul	53.80
	Ogos	53.80
	Sep	53.80
	Okt	53.80
	Nov	53.80
	Dis	53.80
	2024 Jan	53.80
	Feb	53.80
	Mac	53.80
	Apr	53.80
	Mei	53.80
3.6.b.6.ii Force Main	2023 Mei	n.a.
225mm	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2024 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	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>Kategori dan saiz paip <i>Category and size of pipe</i></p>	<p>Faktor pelarasan <i>Adjustment factor</i></p>
<p style="text-align: center;">Paip air <i>Water pipe</i></p> <p>1. Mild Steel Pipe</p> <p>100 mm Ø</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>600 "</p> <p>700 "</p> <p>750 "</p> <p>800 "</p> <p>900 "</p> <p>1000 "</p> <p>1100 "</p> <p>1150 "</p> <p>1200 "</p> <p>1300 "</p> <p>1400 "</p> <p>1500 "</p> <p>1600 "</p> <p>1700 "</p> <p>1800 "</p> <p>1900 "</p> <p>2000 "</p> <p>2100 "</p> <p>2200 "</p>	<p>0.25</p> <p>0.36</p> <p>0.47</p> <p>0.59</p> <p>1.00</p> <p>1.16</p> <p>1.32</p> <p>1.48</p> <p>1.63</p> <p>2.18</p> <p>2.80</p> <p>2.99</p> <p>3.18</p> <p>3.56</p> <p>4.25</p> <p>5.53</p> <p>5.83</p> <p>6.40</p> <p>7.60</p> <p>8.16</p> <p>10.32</p> <p>10.98</p> <p>11.64</p> <p>12.30</p> <p>12.96</p> <p>14.74</p> <p>16.01</p> <p>17.33</p>
<p>2. Stainless Steel Pipe</p> <p>13 mm Ø (1/2")</p> <p>20 " (3/4")</p> <p>25 " (1")</p> <p>32 " (1 1/4")</p> <p>38 " (1 1/2")</p> <p>50 " (2")</p> <p>63 " (2 1/2")</p> <p>75 " (3")</p> <p>100 " (4")</p>	<p>0.53</p> <p>0.69</p> <p>1.00</p> <p>1.34</p> <p>1.59</p> <p>2.14</p> <p>3.42</p> <p>4.66</p> <p>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>Kategori dan saiz paip <i>Category and size of pipe</i></p>	<p>Faktor pelarasan <i>Adjustment factor</i></p>
<p style="text-align: center;">Paip air <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)

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	12.98
500 "	17.76
560 "	21.02
iii. Butt Fussion	
110 mm Ø	0.48
125 "	0.62
140 "	0.76
160 "	1.00
180 "	1.25
200 "	1.56
225 "	1.94
250 "	2.38
280 "	2.97
315 "	3.76
355 "	4.79
400 "	6.06
450 "	7.90
500 "	7.90
560 "	12.61

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

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>	
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)

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

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

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

**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*

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