



KEMENTERIAN EKONOMI
JABATAN PERANGKAAAN MALAYSIA

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

SIARAN KHAS **1**
Special Release

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

OGOS 2025
AUGUST

Pemakluman

Kepengerusian ASEAN-Malaysia 2025: Jabatan Perangkaan Malaysia (DOSM) akan mempengerusikan Jawatankuasa Sistem Statistik Komuniti ASEAN Ke-15 (ACSS15) yang bertujuan untuk memperkukuh kerjasama statistik ke arah pembangunan serantau yang mampan.

Malaysia buat julung kalinya telah menduduki tangga pertama (1) di peringkat global dalam laporan dwi-tahunan *Open Data Inventory (ODIN) 2024/25* yang dikeluarkan oleh *Open Data Watch (ODW)*, mengatasi 198 negara lain. Pencapaian ini merupakan lonjakan ketara daripada kedudukan ke-67 dalam penilaian ODIN 2022/23.

Kerajaan Malaysia telah mengisytiharkan 20 Oktober sebagai Hari Statistik Negara (MyStats Day), dengan tema 'Statistik Nadi Kehidupan'. Sementara itu, Hari Statistik Dunia Keempat akan disambut pada 20 Oktober 2025 dengan tema 'Driving Change with Quality Statistics and Data for Everyone'.

OpenDOSM NextGen adalah medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

Announcement

ASEAN-Malaysia 2025 Chairmanship: Department of Statistics Malaysia (DOSM) will chair the 15th ASEAN Community Statistical System Committee (ACSS15) which aims to strengthen the statistical cooperation towards sustainable regional development.

Malaysia, for the first time, ranked as number one (1) globally in the biennial *Open Data Inventory (ODIN) 2024/25* report released by *Open Data Watch (ODW)*, surpassing 198 other countries. This achievement marks a significant leap from its 67th position in the ODIN 2022/23 assessment.

The Government of Malaysia has declared October 20th as National Statistics Day (MyStats Day), with the theme 'Statistics is the Essence of Life'. Meanwhile, the Fourth World Statistics Day will be celebrated on 20th October 2025, with the theme 'Driving Change with Quality Statistics and Data for Everyone'.

OpenDOSM NextGen is a medium that provides data catalogue and visualisations to facilitate users' analysis and can be accessed through <https://open.dosm.gov.my>.

JABATAN PERANGKAAAN 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

OGOS 2025

MALAYSIA

BESI

Purata : 3,491.36
RM Per Meter
MoM : 0.1 %
YoY : -5.8 %

SIMEN (ORDINARY PORTLAND)

Purata : 23.85
RM Sekarung 50 Kg
MoM : 0.2 %
YoY : 2.2 %

BATU BAUR

Purata : 46.47
RM Per Tan Metrik
MoM : 0.2 %
YoY : 3.1 %

MYCON 60 HIGH TENSILE DEFORMED BARS

Purata : 3,250.13
RM Per Tan Metrik
MoM : 0.1 %
YoY : -7.6 %

BAR BULAT KELULI LEMBUT

Purata : 3,731.26
RM Per Tan Metrik
MoM : 0.1 %
YoY : -4.0 %

PASIR

Purata : 51.35
RM Per Tan Metrik
MoM : -2.5 %
YoY : 2.9 %

SEMANJANG MALAYSIA

SABAH

SARAWAK

Bar Bulat Keluli Lembang

PURATA
RM Per Tan Metrik

3,172.54

3,948.66

4,146.77

MoM (%)

0.2

0.2

-0.2

YoY (%)

-5.4

-6.6

0.1

MYCON 60 HIGH TENSILE DEFORMED BARS

PURATA
RM Per Tan Metrik

2,983.33

3,477.92

3,308.89

MoM (%)

-0.1

0.5

0.0

YoY (%)

-6.6

-8.3

-8.0

SIMEN (ORDINARY PORTLAND)

PURATA
RM Sekarung 50 Kg

23.55

19.42

20.68

MoM (%)

0.5

0.0

0.0

YoY (%)

2.5

0.0

0.0

PASIR

PURATA
RM Per Tan Metrik

61.09

74.74

30.65

MoM (%)

0.1

0.2

-7.5

YoY (%)

6.7

6.7

-5.2

BATU BAUR

PURATA
RM Per Tan Metrik

34.18

59.70

48.18

MoM (%)

0.3

0.2

0.0

YoY (%)

3.4

3.3

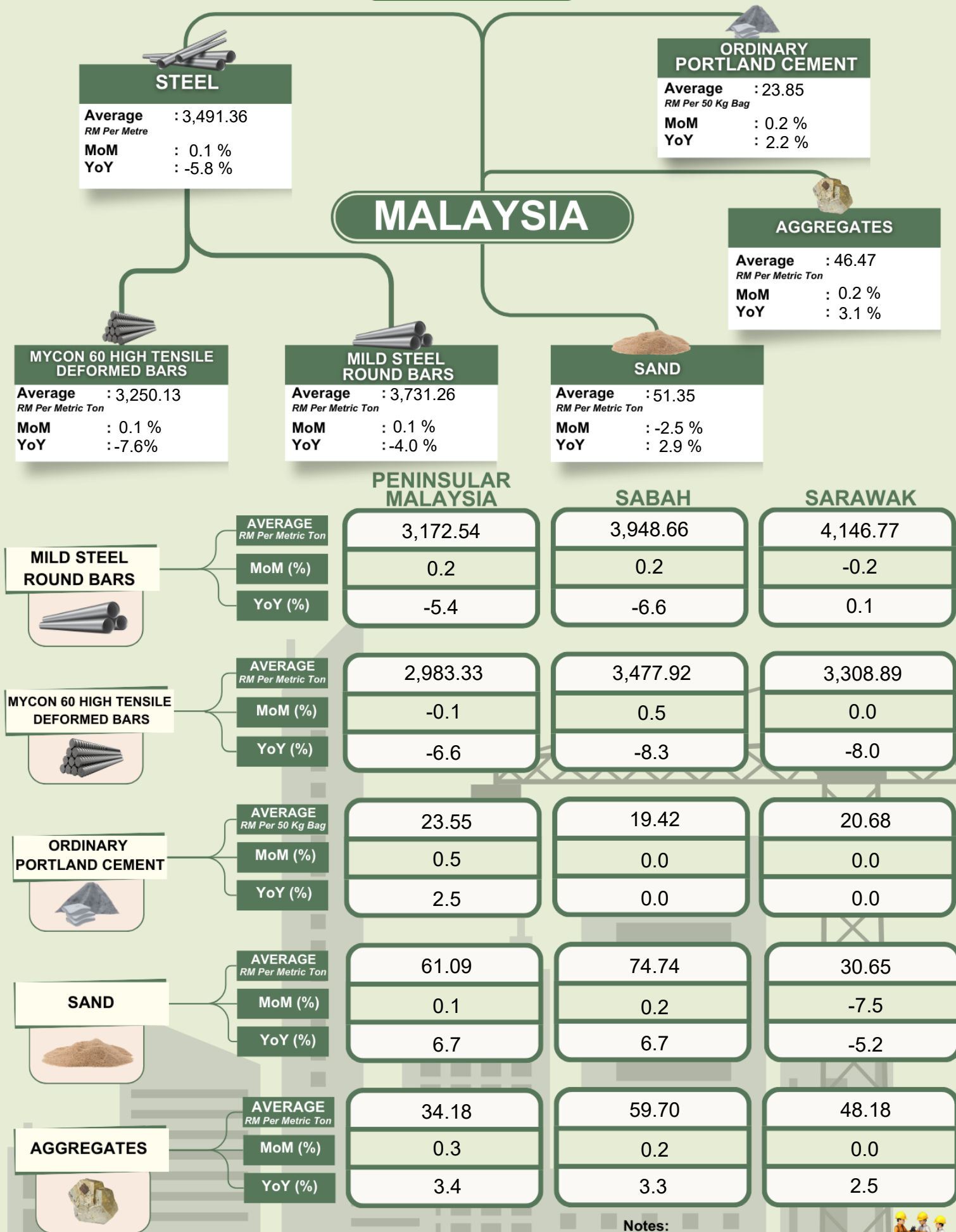
2.5

Nota:

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

AVERAGE PRICE OF SELECTED BUILDING MATERIALS, MALAYSIA

AUGUST 2025



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		RM Per Tan Metrik		
<i>Mild Steel Round Bars BS-4449</i>		<i>RM Per Metric Ton</i>		
1.1.1 10mm (3/8")	2024 Ogos	3,295.91	3,510.64	3,165.22
	Sep	3,207.60	3,489.58	3,165.22
	Okt	3,150.65	3,468.64	3,165.22
	Nov	3,133.90	3,458.23	3,152.70
	Dis	3,059.20	3,354.49	3,152.70
	2025 Jan	3,002.60	3,351.13	3,144.00
	Feb	2,975.90	3,320.97	3,144.00
	Mac	2,916.70	3,287.80	3,135.00
	Apr	2,895.00	3,287.80	3,135.00
	Mei	2,866.20	3,254.92	3,131.87
	Jun	2,873.50	3,261.43	3,127.20
	Jul	2,893.90	3,261.43	3,149.09
	Ogos	2,903.40	3,261.43	3,127.05
1.1.2 12mm (1/2")	2024 Ogos	3,295.91	3,460.39	3,202.70
	Sep	3,207.60	3,432.70	3,202.70
	Okt	3,150.65	3,405.24	3,202.70
	Nov	3,145.60	3,395.03	3,189.90
	Dis	3,055.90	3,293.18	3,189.90
	2025 Jan	2,999.44	3,286.59	3,181.00
	Feb	2,972.70	3,286.59	3,181.00
	Mac	2,913.55	3,250.44	3,142.70
	Apr	2,900.10	3,214.68	3,142.70
	Mei	2,871.60	3,163.25	3,142.70
	Jun	2,878.90	3,169.57	3,095.10
	Jul	2,901.93	3,169.57	3,118.40
	Ogos	2,910.64	3,169.57	3,102.81
1.1.3 16mm (5/8")	2024 Ogos	3,280.96	3,390.74	3,192.31
	Sep	3,192.66	3,363.61	3,192.31
	Okt	3,179.89	3,336.71	3,192.31
	Nov	3,156.90	3,326.69	3,176.80
	Dis	3,068.10	3,193.63	3,176.80
	2025 Jan	3,014.70	3,187.24	3,166.00
	Feb	2,988.80	3,158.55	3,140.70
	Mac	2,930.00	3,126.97	3,094.94
	Apr	2,921.10	3,126.97	3,094.94
	Mei	2,918.18	3,076.94	3,091.85
	Jun	2,925.40	3,138.48	3,048.40
	Jul	2,925.40	3,138.48	3,048.40
	Ogos	2,931.25	3,144.75	3,059.50

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.) Mild Steel Round Bars BS-4449 (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
1.1.4 20mm–25mm (3/4"–1")	2024 Ogos	4,108.08	3,541.22	3,180.30
	Sep	4,108.08	3,519.98	3,180.30
	Okt	4,067.00	3,498.86	3,181.30
	Nov	4,067.00	3,498.86	3,181.30
	Dis	4,067.00	3,498.86	3,181.30
	2025 Jan	4,067.00	3,495.36	3,165.39
	Feb	3,985.66	3,491.86	3,149.57
	Mac	3,905.95	3,488.37	3,133.82
	Apr	3,945.01	3,484.88	3,118.15
	Mei	3,984.46	3,443.06	3,115.03
	Jun	3,996.41	3,453.39	3,113.47
	Jul	4,064.35	3,512.10	3,166.40
	Ogos	4,084.67	3,529.66	3,182.23
1.1.5 32mm (1 1/4")	2024 Ogos	3,568.33	3,163.74	3,094.04
	Sep	3,393.33	3,048.61	3,094.04
	Okt	3,468.33	3,051.97	3,095.04
	Nov	3,428.30	3,051.97	3,095.04
	Dis	3,368.33	3,051.97	3,095.04
	2025 Jan	3,343.33	3,043.60	3,095.04
	Feb	3,288.12	3,043.60	3,095.04
	Mac	3,263.10	3,034.70	3,095.04
	Apr	3,191.20	3,034.70	3,095.04
	Mei	3,152.91	3,001.32	3,060.99
	Jun	3,165.52	3,013.32	3,060.99
	Jul	3,197.17	3,043.46	3,091.60
	Ogos	3,203.57	3,050.10	3,097.79
1.2 Mycon 60 High Tensile Deformed Bars				
1.2.1 10mm (3/8")	2024 Ogos	3,239.09	3,237.95	3,385.28
	Sep	3,368.53	3,221.76	3,378.11
	Okt	3,339.32	3,154.62	3,350.23
	Nov	3,319.28	3,138.85	3,330.13
	Dis	3,252.90	3,076.07	3,263.53
	2025 Jan	3,174.83	3,060.69	3,123.19
	Feb	3,124.03	3,060.69	3,123.19
	Mac	3,049.05	3,109.07	3,141.00
	Apr	3,079.55	3,109.07	3,141.00
	Mei	3,042.59	3,074.87	3,125.40
	Jun	3,024.34	3,078.30	3,101.00
	Jul	3,024.34	3,078.30	3,101.00
	Ogos	3,015.26	3,078.30	3,101.00

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
1.2 Mycon 60 (Samb.) High Tensile Deformed Bars (Cont'd)		RM Per Tan Metrik RM Per Metric Ton		
1.2.2 12mm (1/2")	2024 Ogos	3,225.31	3,236.09	3,387.42
	Sep	3,110.73	3,219.91	3,374.54
	Okt	3,074.12	3,148.13	3,346.53
	Nov	3,067.97	3,138.69	3,333.14
	Dis	2,997.41	3,075.91	3,266.48
	2025 Jan	2,921.50	3,057.46	3,250.15
	Feb	2,880.60	3,057.46	3,250.15
	Mac	2,804.40	3,099.50	3,125.50
	Apr	2,812.80	3,099.50	3,121.50
	Mei	2,777.50	3,056.85	3,121.50
	Jun	2,830.40	3,061.50	3,097.10
	Jul	2,830.40	3,061.50	3,097.10
	Ogos	2,825.30	3,050.10	3,097.10
1.2.3 16mm–25mm (5/8"–1")	2024 Ogos	3,099.43	3,156.86	3,090.48
	Sep	2,984.75	3,142.63	3,090.48
	Okt	2,946.09	3,125.80	3,080.31
	Nov	2,946.09	3,110.90	3,080.31
	Dis	2,887.17	3,048.68	3,081.31
	2025 Jan	2,814.99	3,036.49	3,016.60
	Feb	2,786.84	3,036.49	3,016.60
	Mac	2,696.20	3,079.80	2,987.50
	Apr	2,680.00	3,079.80	2,980.00
	Mei	2,642.50	3,043.30	2,977.50
	Jun	2,730.60	3,048.60	2,961.40
	Jul	2,793.40	3,118.72	3,029.51
	Ogos	2,801.78	3,118.72	3,014.36
1.2.4 32mm (1 1/4")	2024 Ogos	3,041.05	3,151.47	3,086.09
	Sep	2,926.46	3,128.08	3,086.09
	Okt	2,915.53	3,130.08	3,086.09
	Nov	2,924.50	3,133.60	3,083.00
	Dis	2,866.01	3,070.93	3,084.00
	2025 Jan	2,748.30	3,067.86	2,855.78
	Feb	2,717.30	3,067.86	2,855.78
	Mac	2,654.45	3,103.75	2,855.78
	Apr	2,664.30	3,103.75	2,855.78
	Mei	2,631.40	3,083.60	2,973.00
	Jun	2,683.50	3,090.10	2,973.00
	Jul	2,683.50	3,090.10	2,973.00
	Ogos	2,683.50	3,079.20	2,973.00

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 <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
1.3 Simen <i>Cement</i>		RM Sekarung 50 Kg <i>RM Per 50 Kg Bag</i>		
1.3.1 Portland Biasa	2024 Ogos	22.95	22.94	23.05
<i>Ordinary</i>	Sep	23.07	22.86	23.02
<i>Portland</i>	Okt	23.08	22.86	23.02
	Nov	23.10	22.90	23.05
	Dis	23.10	22.90	23.05
	2025 Jan	23.20	22.90	23.10
	Feb	23.25	22.90	23.20
	Mac	23.35	23.25	23.30
	Apr	23.35	23.25	23.30
	Mei	23.35	23.30	23.35
	Jun	23.45	23.40	23.45
	Jul	23.45	23.40	23.45
	Ogos	23.50	23.65	23.50

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

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

Item	Tempoh Period	Semenanjung Malaysia Peninsular Malaysia
2.1 Bitumen Penembusan 60/70 Bitumen 60/70 Penetration		RM Per Tan Metrik RM Per Metric Ton
	2024 Ogos	3,030.00
	Sep	3,030.00
	Okt	3,030.00
	Nov	3,030.00
	Dis	3,030.00
	2025 Jan	2,337.50
	Feb	2,300.00
	Mac	2,480.00
	Apr	2,500.00
	Mei	2,300.00
	Jun	2,300.00
	Jul	2,512.50
	Ogos	2,450.00

Sumber: Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB)

Sources: Construction Industry Development Board (CIDB)

Nota: Bermula Januari 2025, harga bitumen penembusan 60/70 adalah berdasarkan harga purata Selangor

Notes: Starting Januari 2025, the price for bitumen 60/70 penetration is based on average Selangor.

Item	Tempoh Period	Semenanjung Malaysia Peninsular Malaysia
2.2 Minyak Gas Automotif Automotive Gas Oil		RM Seliter RM Per Litre Runcit Retail
Diesel	2024 Ogos	3.35
<i>Diesel</i>	Sep	3.06 ^f
	Okt	2.95
	Nov	2.95
	Dis	2.95
	2025 Jan	3.06
	Feb	3.18
	Mac	3.08
	Apr	2.95
	Mei	2.81
	Jun	2.78
	Jul	2.89
	Ogos	2.90

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 pembetungan

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	2024 Ogos	57.69 ^f	71.93 ^f	44.17
	Sep	58.32	72.20	44.17
	Okt	58.61	72.93	44.17
	Nov	58.61	72.93	44.17
	Dis	58.32	72.93	44.17
	2025 Jan	58.76	72.93	45.05
	Feb	58.88	73.33	45.05
	Mac	60.12	73.33	45.32
	Apr	61.16	73.87	49.98 ^f
	Mei	59.92	73.87	49.98 ^f
	Jun	64.31	73.87	49.99
	Jul	64.31	74.33	49.99
	Ogos	64.38	74.47	50.05
3.1.2 Pasir Lombong Mining Sand	2024 Ogos	51.00 ^f	65.76 ^f	n.a.
	Sep	51.00	65.85	n.a.
	Okt	51.00	67.02	n.a.
	Nov	51.00	67.02	n.a.
	Dis	51.00	67.24	n.a.
	2025 Jan	51.00	67.24	n.a.
	Feb	51.00	67.59	n.a.
	Mac	51.00	68.45	n.a.
	Apr	51.00	68.45	n.a.
	Mei	51.50	68.67	n.a.
	Jun	51.50	68.67	n.a.
	Jul	51.50	68.80	n.a.
	Ogos	51.50	68.88	n.a.
3.2 Batu Baur Aggregates				
3.2.1 Granite 10mm (3/8")	2024 Ogos	34.00	32.35 ^f	34.17
	Sep	34.00	32.96	34.17
	Okt	34.00	33.26	34.50
	Nov	34.00	33.49	34.50
	Dis	34.00	33.49	35.11
	2025 Jan	33.75	33.05	35.11
	Feb	34.13	33.04	35.11
	Mac	34.13	33.96	34.83
	Apr	34.13	33.71	35.39
	Mei	34.13	33.44	35.39
	Jun	33.63	33.49	35.72
	Jul	33.63	33.49	35.72
	Ogos	34.00	33.75	35.72

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

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.2 Batu Baur (Samb.) <i>Aggregates (Cont'd)</i>		RM Per Tan Metrik <i>RM Per Metric Ton</i>		
3.2.2 Granite 20mm (3/4")	2024 Ogos	58.62 ¹	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
	Dis	58.62	39.84	34.09
	2025 Jan	58.53	39.81	34.67
	Feb	59.66	39.86	34.67
	Mac	59.96	40.45	34.84
	Apr	60.23	40.45	35.25
	Mei	61.00	47.00	40.00
	Jun	60.43	40.05	35.25
	Jul	60.92	40.05	35.42
	Ogos	61.01	40.16	35.47
3.2.3 Granite 40mm (1 1/2")	2024 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
	Dis	25.66	34.77	34.81
	2025 Jan	25.66	33.77	34.81
	Feb	25.66	33.77	34.81
	Mac	25.66	33.95	33.94
	Apr	25.66	33.68	33.94
	Mei	25.66	33.22	33.94
	Jun	26.66	33.22	33.94
	Jul	26.66	33.22	34.75
	Ogos	26.66	33.48	34.75
3.2.4 Crushed Aggregate (Crusher Run)	2024 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
	Dis	27.50	28.00	27.00
	2025 Jan	27.50	28.00	27.00
	Feb	27.50	28.00	27.00
	Mac	28.00	28.50	28.50
	Apr	28.00	28.50	28.50
	Mei	28.00	28.50	28.50
	Jun	28.00	28.50	28.50
	Jul	28.20	28.50	28.60
	Ogos	28.20	28.50	28.60

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.3.a Premix Asphaltic Concrete		RM Per Tan Metrik RM Per Metric Ton		
3.3.a.1 AC 10 (Wearing Course)	2024 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
	Dis	226.00	213.42	271.25
	2025 Jan	226.00	213.42	271.25
	Feb	227.00	213.42	271.25
	Mac	225.00	213.42	273.75
	Apr	225.00	215.22	273.75
	Mei	225.00	214.72	273.75
	Jun	225.00	214.72	273.75
	Jul	225.00	214.72	273.75
	Ogos	225.00	215.92	273.75
3.3.a.2 AC 14 (Wearing Course)	2024 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
	Dis	220.00	219.53	248.00
	2025 Jan	220.00	219.53	248.67
	Feb	220.71	219.53	248.67
	Mac	218.57	219.53	246.50
	Apr	218.57	219.89	247.67
	Mei	218.57	219.48	249.67
	Jun	218.57	219.48	249.67
	Jul	218.57	219.48	249.17
	Ogos	218.57	220.31	247.83
3.3.a.3 AC 28 (Binder Course)	2024 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
	Dis	216.57	207.26	248.00
	2025 Jan	216.29	207.26	248.80
	Feb	217.00	207.26	246.00
	Mac	214.86	207.26	246.33
	Apr	214.86	208.44	244.67
	Mei	214.86	207.81	243.83
	Jun	214.86	207.81	245.50
	Jul	214.86	207.81	245.83
	Ogos	214.86	208.44	244.50

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)	2024 Ogos	220.60	211.94	264.00
	Sep	220.60	215.58	264.00
	Okt	220.60	215.58	268.67
	Nov	225.60	215.58	268.67
	Dis	224.60	216.30	267.00
	2025 Jan	224.60	216.30	265.33
	Feb	225.60	216.30	265.33
	Mac	223.60	216.30	257.50
	Apr	223.60	217.25	257.50
	Mei	223.60	216.79	256.25
	Jun	223.60	216.79	256.25
	Jul	233.60	216.79	255.75
	Ogos	223.60	217.25	255.75

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.3.b Premix Bituminous Macadam		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.1 BMR40 (Bound Roadbase)	2024 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.
	Dis	215.00	196.40	n.a.
	2025 Jan	215.00	196.40	n.a.
	Feb	215.00	196.40	n.a.
	Mac	215.00	196.40	n.a.
	Apr	215.00	199.80	n.a.
	Mei	215.00	198.80	n.a.
	Jun	215.00	198.80	n.a.
	Jul	215.00	198.80	n.a.
	Ogos	215.00	198.60	n.a.
3.3.b.2 BMR28 (Bound Roadbase)	2024 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.
	Dis	225.00	202.25	n.a.
	2025 Jan	225.00	202.25	n.a.
	Feb	225.00	202.25	n.a.
	Mac	225.00	202.25	n.a.
	Apr	225.00	204.25	n.a.
	Mei	225.00	203.63	n.a.
	Jun	225.00	203.63	n.a.
	Jul	225.00	203.63	n.a.
	Ogos	225.00	204.13	n.a.
3.3.b.3 BML10 (Levelling Course)	2024 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
	Dis	221.67	226.29	230.50
	2025 Jan	221.67	226.29	226.00
	Feb	221.67	226.29	226.00
	Mac	221.67	226.29	226.00
	Apr	221.67	229.29	226.00
	Mei	221.67	228.57	223.50
	Jun	221.67	228.57	223.50
	Jul	221.67	228.57	223.50
	Ogos	221.67	229.43	223.50

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.3.b Premix Bituminous Macadam (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.4 BMB28 (Binder Course)	2024 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
	Dis	218.75	212.88	227.50
	2025 Jan	218.75	212.88	223.00
	Feb	218.75	212.88	223.00
	Mac	218.75	212.88	223.00
	Apr	218.75	214.50	223.00
	Mei	218.75	213.88	220.50
	Jun	218.75	213.88	220.50
	Jul	218.75	213.88	220.50
	Ogos	218.75	214.75	220.50
3.3.b.5 BMB20 (Binder Course)	2024 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
	Dis	226.67	217.00	255.00
	2025 Jan	226.67	217.00	252.00
	Feb	226.67	217.00	252.00
	Mac	226.67	217.00	253.67
	Apr	226.67	218.71	253.67
	Mei	226.67	218.00	252.00
	Jun	226.67	218.00	252.00
	Jul	226.67	218.00	252.00
	Ogos	226.67	219.00	252.00
3.3.b.6 BMW14 (Wearing Course)	2024 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
	Dis	225.00	220.44	256.00
	2025 Jan	225.00	220.44	253.00
	Feb	225.00	220.44	253.00
	Mac	225.00	220.44	254.67
	Apr	225.00	222.67	254.67
	Mei	225.00	222.11	253.00
	Jun	225.00	222.11	253.00
	Jul	225.00	222.11	253.00
	Ogos	225.00	222.89	253.00

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.3.b Premix Bituminous Macadam (samb.) (cont'd)		RM Per Tan Metrik RM Per Metric Ton		
3.3.b.7 BMW20 (Wearing Course)	2024 Ogos	212.50	212.11	279.00
	Sep	212.50	218.22	279.00
	Okt	212.50	218.22	279.00
	Nov	220.00	218.22	279.00
	Dis	225.00	218.22	279.00
	2025 Jan	225.00	218.22	279.50
	Feb	225.00	218.22	279.50
	Mac	225.00	218.22	282.00
	Apr	225.00	220.56	282.00
	Mei	225.00	220.00	282.00
	Jun	225.00	220.00	282.00
	Jul	225.00	219.29	282.00
	Ogos	225.00	220.78	282.00

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement		RM Per Kg RM Per Kg		
3.4.1 A4, MS145	2024 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
	Dis	3.64	4.29	4.07
	2025 Jan	3.64	4.29	4.22 ^r
	Feb	3.64	4.29	4.48 ^r
	Mac	3.64	4.29	4.39
	Apr	3.64	4.29	4.14
	Mei	3.64	4.29	4.04
	Jun	3.64	4.29	4.04
	Jul	3.64	4.29	4.04
	Ogos	3.64	4.29	4.02
3.4.2 A5, MS145	2024 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
	Dis	3.27	3.85	4.04
	2025 Jan	3.27	3.85	4.19 ^r
	Feb	3.27	3.85	4.44 ^r
	Mac	3.27	3.85	4.35
	Apr	3.27	3.85	4.11
	Mei	3.27	3.85	4.01
	Jun	3.27	3.85	4.01
	Jul	3.27	3.85	4.01
	Ogos	3.27	3.85	3.99
3.4.3 A6, MS145	2024 Ogos	2.93	3.83	3.62
	Sep	3.15 ^r	3.83	3.62
	Okt	3.11	3.83	3.62
	Nov	3.11	3.83	3.62
	Dis	3.11	3.83	3.62
	2025 Jan	3.11	3.83	3.76 ^r
	Feb	3.11	3.83	3.98 ^r
	Mac	3.11	3.83	3.90
	Apr	3.11	3.83	3.69
	Mei	3.11	3.83	3.60
	Jun	3.11	3.83	3.60
	Jul	3.11	3.83	3.60
	Ogos	3.11	3.83	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
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.4 A7, MS145	2024 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
	Dis	3.11	4.03	3.62
	2025 Jan	3.11	4.03	3.76 ^f
	Feb	3.11	4.03	3.98 ^f
	Mac	3.11	4.03	3.90
	Apr	3.11	4.03	3.68
	Mei	3.11	4.03	3.60
	Jun	3.11	4.03	3.60
	Jul	3.11	4.03	3.60
	Ogos	3.11	4.03	3.57
	3.4.5 A8, MS145	2024 Ogos	3.11	3.22
Sep		3.12 ^f	3.22	3.62
Okt		3.12	3.22	3.62
Nov		3.12	3.22	3.62
Dis		3.12	3.22	3.62
2025 Jan		3.12	3.22	3.76 ^f
Feb		3.12	3.22	3.99 ^f
Mac		3.12	3.22	3.90
Apr		3.12	3.22	3.69
Mei		3.12	3.22	3.60
Jun		3.12	3.22	3.60
Jul		3.12	3.22	3.60
Ogos		3.12	3.22	3.58
3.4.6 A9, MS145		2024 Ogos	2.79	2.93
	Sep	3.11 ^f	2.93	3.62
	Okt	3.11	2.93	3.62
	Nov	3.11	2.93	3.62
	Dis	3.11	2.93	3.62
	2025 Jan	3.11	2.93	3.76 ^f
	Feb	3.11	2.93	3.98 ^f
	Mac	3.11	2.93	3.90
	Apr	3.11	2.93	3.68
	Mei	3.11	2.93	3.59
	Jun	3.11	2.93	3.59
	Jul	3.11	2.93	3.59
	Ogos	3.11	2.93	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
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.7 A10, MS145	2024 Ogos	3.24	2.91	3.62
	Sep	3.11 ^r	2.91	3.62
	Okt	3.11	2.91	3.62
	Nov	3.11	2.91	3.62
	Dis	3.11	2.91	3.62
	2025 Jan	3.11	2.91	3.75 ^r
	Feb	3.11	2.91	3.98 ^r
	Mac	3.11	2.91	3.90
	Apr	3.11	2.91	3.68
	Mei	3.11	2.91	3.59
	Jun	3.11	2.91	3.59
	Jul	3.11	2.91	3.59
	Ogos	3.11	2.91	3.57
3.4.8 B5, MS145	2024 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
	Dis	3.60	3.83	4.03
	2025 Jan	3.60	3.83	4.17 ^r
	Feb	3.60	3.83	4.43 ^r
	Mac	3.60	3.83	4.34
	Apr	3.60	3.83	4.10
	Mei	3.60	3.83	4.00
	Jun	3.60	3.83	4.00
	Jul	3.60	3.83	4.00
	Ogos	3.60	3.83	3.97
3.4.9 B6, MS145	2024 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
	Dis	3.24	3.29	3.62
	2025 Jan	3.24	3.29	3.76 ^r
	Feb	3.24	3.29	3.98 ^r
	Mac	3.24	3.29	3.90
	Apr	3.24	3.29	3.68
	Mei	3.24	3.29	3.60
	Jun	3.24	3.29	3.60
	Jul	3.24	3.29	3.60
	Ogos	3.24	3.29	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
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.10 B7, MS145	2024 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
	Dis	3.24	2.99	3.62
	2025 Jan	3.24	2.99	3.76 ^r
	Feb	3.24	2.99	3.98 ^r
	Mac	3.24	2.99	3.90
	Apr	3.24	2.99	3.68
	Mei	3.24	2.99	3.60
	Jun	3.24	2.99	3.60
	Jul	3.24	2.99	3.60
	Ogos	3.24	2.99	3.57
3.4.11 B8, MS145	2024 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
	Dis	3.24	3.13	3.63
	2025 Jan	3.24	3.13	3.76 ^r
	Feb	3.24	3.13	3.99 ^r
	Mac	3.24	3.13	3.91
	Apr	3.24	3.13	3.69
	Mei	3.24	3.13	3.60
	Jun	3.24	3.13	3.60
	Jul	3.24	3.13	3.60
	Ogos	3.24	3.13	3.58
3.4.12 B9, MS145	2024 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
	Dis	3.67	2.97	3.62
	2025 Jan	3.67	2.97	3.76 ^r
	Feb	3.67	2.97	3.98 ^r
	Mac	3.67	2.97	3.90
	Apr	3.67	2.97	3.69
	Mei	3.67	2.97	3.60
	Jun	3.67	2.97	3.60
	Jul	3.67	2.97	3.60
	Ogos	3.67	2.97	3.58

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

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

Item	Tempoh 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	2024 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
	Dis	3.24	3.10	3.62
	2025 Jan	3.24	3.10	3.75'
	Feb	3.24	3.10	3.98'
	Mac	3.24	3.10	3.90
	Apr	3.24	3.10	3.68
	Mei	3.24	3.10	3.59
	Jun	3.24	3.10	3.59
	Jul	3.24	3.10	3.59
	Ogos	3.24	3.10	3.57
3.4.14 B12, MS145	2024 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
	Dis	3.58	3.24	4.00
	2025 Jan	3.58	3.24	4.15'
	Feb	3.58	3.24	4.40'
	Mac	3.58	3.24	4.31
	Apr	3.58	3.24	4.07
	Mei	3.58	3.24	3.97
	Jun	3.58	3.24	3.97
	Jul	3.58	3.24	3.97
	Ogos	3.58	3.24	3.95
3.4.15 C5, MS145	2024 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
	Dis	3.61	4.67	4.03
	2025 Jan	3.61	4.67	4.18'
	Feb	3.61	4.67	4.43'
	Mac	3.61	4.67	4.34
	Apr	3.61	4.67	4.10
	Mei	3.61	4.67	4.00
	Jun	3.61	4.67	4.00
	Jul	3.61	4.67	4.00
	Ogos	3.61	4.67	3.98

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.16 C6, MS145	2024 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
	Dis	3.60	4.22	4.03
	2025 Jan	3.60	4.22	4.17 ^r
	Feb	3.60	4.22	4.43 ^f
	Mac	3.60	4.22	4.34
	Apr	3.60	4.22	4.10
	Mei	3.60	4.22	4.00
	Jun	3.60	4.22	4.00
	Jul	3.60	4.22	4.00
	Ogos	3.60	4.22	3.97
3.4.17 C7, MS145	2024 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
	Dis	3.60	4.12	4.02
	2025 Jan	3.60	4.12	4.17 ^r
	Feb	3.60	4.12	4.43 ^f
	Mac	3.60	4.12	4.34
	Apr	3.60	4.12	4.09
	Mei	3.60	4.12	4.00
	Jun	3.60	4.12	4.00
	Jul	3.60	4.12	4.00
	Ogos	3.60	4.12	3.97
3.4.18 C8, MS145	2024 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
	Dis	3.59	4.10	4.01
	2025 Jan	3.59	4.10	4.16 ^f
	Feb	3.59	4.10	4.42 ^f
	Mac	3.59	4.10	4.33
	Apr	3.59	4.10	4.08
	Mei	3.59	4.10	3.99
	Jun	3.59	4.10	3.99
	Jul	3.59	4.10	3.99
	Ogos	3.59	4.10	3.96

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.19 C9, MS145	2024 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
	Dis	3.60	4.00	4.02
	2025 Jan	3.60	4.00	4.17 ^r
	Feb	3.60	4.00	4.42 ^r
	Mac	3.60	4.00	4.33
	Apr	3.60	4.00	4.09
	Mei	3.60	4.00	3.99
	Jun	3.60	4.00	3.99
	Jul	3.60	4.00	3.99
	Ogos	3.60	4.00	3.97
3.4.20 C10, MS145	2024 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
	Dis	3.60	3.89	4.02
	2025 Jan	3.60	3.89	4.17 ^r
	Feb	3.60	3.89	4.42 ^r
	Mac	3.60	3.89	4.33
	Apr	3.60	3.89	4.09
	Mei	3.60	3.89	3.99
	Jun	3.60	3.89	3.99
	Jul	3.60	3.89	3.99
	Ogos	3.60	3.89	3.97
3.4.21 DA4, MS145	2024 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
	Dis	3.64	4.42	4.06
	2025 Jan	3.64	4.42	4.21 ^r
	Feb	3.64	4.42	4.47 ^r
	Mac	3.64	4.42	4.38
	Apr	3.64	4.42	4.13
	Mei	3.64	4.42	4.03
	Jun	3.64	4.42	4.03
	Jul	3.64	4.42	4.03
	Ogos	3.64	4.42	4.01

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

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

Item	Tempoh Period	Kawasan Region		
		Utara North	Tengah Central	Timur East
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.22 DA5, MS145	2024 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
	Dis	3.61	4.33	4.04
	2025 Jan	3.61	4.33	4.19 ^r
	Feb	3.61	4.33	4.44 ^r
	Mac	3.61	4.33	4.35
	Apr	3.61	4.33	4.11
	Mei	3.61	4.33	4.01
	Jun	3.61	4.33	4.01
	Jul	3.61	4.33	4.01
	Ogos	3.61	4.33	3.99
3.4.23 DA6, MS145	2024 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
	Dis	3.24	3.87	3.62
	2025 Jan	3.24	3.87	3.76 ^r
	Feb	3.24	3.87	3.98 ^r
	Mac	3.24	3.87	3.90
	Apr	3.24	3.87	3.69
	Mei	3.24	3.87	3.60
	Jun	3.24	3.87	3.60
	Jul	3.24	3.87	3.60
	Ogos	3.24	3.87	3.57
3.4.24 DA7, MS145	2024 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
	Dis	3.24	3.63	3.62
	2025 Jan	3.24	3.63	3.76 ^r
	Feb	3.24	3.63	3.98 ^r
	Mac	3.24	3.63	3.90
	Apr	3.24	3.63	3.68
	Mei	3.24	3.63	3.60
	Jun	3.24	3.63	3.60
	Jul	3.24	3.63	3.60
	Ogos	3.24	3.63	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
3.4 Fabric Reinforcement (samb.) (cont'd)		RM Per Kg RM Per Kg		
3.4.25 DA8, MS145	2024 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
	Dis	3.24	3.52	3.62
	2025 Jan	3.24	3.52	3.76 ^r
	Feb	3.24	3.52	3.99 ^r
	Mac	3.24	3.52	3.90
	Apr	3.24	3.52	3.69
	Mei	3.24	3.52	3.60
	Jun	3.24	3.52	3.60
	Jul	3.24	3.52	3.60
	Ogos	3.24	3.52	3.58
3.4.26 DA9, MS145	2024 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
	Dis	3.24	3.57	3.62
	2025 Jan	3.24	3.57	3.75 ^r
	Feb	3.24	3.57	3.98 ^r
	Mac	3.24	3.57	3.90
	Apr	3.24	3.57	3.68
	Mei	3.24	3.57	3.59
	Jun	3.24	3.57	3.59
	Jul	3.24	3.57	3.59
	Ogos	3.24	3.57	3.57
3.4.27 DA10, MS145	2024 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
	Dis	3.23	3.56	3.60
	2025 Jan	3.23	3.56	3.74 ^r
	Feb	3.23	3.56	3.96 ^r
	Mac	3.23	3.56	3.88
	Apr	3.23	3.56	3.67
	Mei	3.23	3.56	3.58
	Jun	3.23	3.56	3.58
	Jul	3.23	3.56	3.58
	Ogos	3.23	3.56	3.56

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

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

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Utara <i>North</i>	Tengah <i>Central</i>	Timur <i>East</i>
3.5 Guardrail		RM Per Meter <i>RM Per Metre</i>		
3.5.1 Single Mounted	2024 Ogos	191.60	193.35	198.10
3.5.1.i 1.95m Post Spacing	Sep	191.60	193.35	198.10
	Okt	191.60	193.35	198.10
	Nov	191.60	193.35	198.10
	Dis	191.60	193.35	198.10
	2025 Jan	191.60	193.35	198.10
	Feb	188.55	190.35	195.00
	Mac	188.55	190.35	195.00
	Apr	186.10	187.85	192.60
	Mei	186.10	187.85	192.60
	Jun	186.10	187.85	192.60
	Jul	186.10	187.85	192.60
	Ogos	188.00	189.75	194.50
3.5.1.ii 3.80m Post Spacing	2024 Ogos	136.30	137.55	140.80
	Sep	136.30	137.55	140.80
	Okt	136.30	137.55	140.80
	Nov	136.30	137.55	140.80
	Dis	136.30	137.55	140.80
	2025 Jan	136.30	137.55	140.80
	Feb	132.70	133.95	137.30
	Mac	132.70	133.95	137.30
	Apr	131.35	132.55	135.90
	Mei	131.35	132.55	135.90
	Jun	131.35	132.55	135.90
	Jul	131.35	132.55	135.90
	Ogos	132.45	133.65	137.00

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	2024 Ogos	295.20	297.90	305.00
3.5.2.i 1.95m Post Spacing	Sep	295.20	297.90	305.00
	Okt	295.20	297.90	305.00
	Nov	295.20	297.90	305.00
	Dis	295.20	297.90	305.00
	2025 Jan	295.20	297.90	305.00
	Feb	288.60	291.30	298.40
	Mac	288.60	291.30	298.40
	Apr	285.30	288.00	295.10
	Mei	285.30	288.00	295.10
	Jun	285.30	288.00	295.10
	Jul	285.30	288.00	295.10
	Ogos	287.50	290.20	297.30
3.5.2.ii 3.80m Post Spacing	2024 Ogos	228.60	233.15	236.10
	Sep	228.60	233.15	236.10
	Okt	228.60	233.15	236.10
	Nov	228.60	233.15	236.10
	Dis	228.60	233.15	236.10
	2025 Jan	228.60	233.15	236.10
	Feb	221.20	223.25	228.70
	Mac	221.20	223.25	228.70
	Apr	219.30	221.35	226.80
	Mei	219.30	221.35	226.80
	Jun	219.30	221.35	226.80
	Jul	219.30	221.35	226.80
	Ogos	220.65	222.70	228.20

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

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

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

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

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
3.6.a Paip Air Water Pipe		RM Per Meter RM Per Metre
3.6.a.1 Mild Steel Pipe 300mm	2024 Ogos	288.00
	Sep	280.00
	Okt	285.00
	Nov	290.00
	Dis	291.00
	2025 Jan	291.00
	Feb	287.00
	Mac	288.00
	Apr	287.00
	Mei	285.00
	Jun	285.00
	Jul	284.00
	Ogos	285.00
3.6.a.2 Stainless Steel Pipe 25mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
3.6.a.3 Ductile Iron Pipe 300mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	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 pembetungan (samb.)

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

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
3.6.a. Paip Air (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	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
3.6.a.4.ii. Electrofusion Jointing 160mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
3.6.a.4.iii. Butt Fussion 160mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.

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

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

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
3.6.b Paip Pembetungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
3.6.b.1 Mild Steel Pipe 300mm	2024 Ogos	310.64
	Sep	302.01
	Okt	307.41
	Nov	312.80
	Dis	313.88
	2025 Jan	313.88
	Feb	309.56
	Mac	310.64
	Apr	309.56
	Mei	307.41
	Jun	307.41
	Jul	306.33
	Ogos	307.41
3.6.b.2 Ductile Iron Pipe 250mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
3.6.b.3 High Density Polyethylene (HDPE) Pipe 3.6.b.3.i. Profile Pipe 150mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.

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

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

Item	Tempoh Period	Kawasan Region
		Semenanjung Malaysia Peninsular Malaysia
3.6.b Paip Pembetungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter RM Per Metre
3.6.b.3 High Density Polyethylene (HDPE) Pipe 3.6.b.3.ii Solid Pipe 250mm	2024 Ogos	108.02
	Sep	108.02
	Okt	108.02
	Nov	108.02
	Dis	108.02
	2025 Jan	108.02
	Feb	108.02
	Mac	108.02
	Apr	108.02
	Mei	108.02
	Jun	108.02
	Jul	108.02
	Ogos	108.02
3.6.b.4 Vitrified Clay Pipe 3.6.b.4.i Standard Pipe 225mm	2024 Ogos	112.34
	Sep	112.34
	Okt	112.34
	Nov	112.34
	Dis	112.34
	2025 Jan	112.34
	Feb	112.34
	Mac	112.34
	Apr	112.34
	Mei	112.34
	Jun	112.34
	Jul	112.34
	Ogos	112.34
3.6.b.4.ii Jacking Pipe 225mm	2024 Ogos	485.00
	Sep	485.00
	Okt	485.00
	Nov	485.00
	Dis	485.00
	2025 Jan	485.00
	Feb	485.00
	Mac	485.00
	Apr	485.00
	Mei	485.00
	Jun	485.00
	Jul	485.00
	Ogos	485.00

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
		Semenanjung Malaysia Peninsular Malaysia
3.6.b Paip Pembetungan (samb.) <i>Sewerage Pipe (cont'd)</i>		RM Per Meter <i>RM Per Metre</i>
3.6.b.5 Reinforced Concrete Pipe 3.6.b.5.i Without Lining 900mm	2024 Ogos	319.00
	Sep	319.00
	Okt	319.00
	Nov	319.00
	Dis	319.00
	2025 Jan	319.00
	Feb	319.00
	Mac	319.00
	Apr	319.00
	Mei	319.00
	Jun	319.00
	Jul	319.00
	Ogos	319.00
3.6.b.5.ii With Lining (High Alumina) 900mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	n.a.
3.6.b.5.iii With Lining (Sacrificial Lining) 900mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	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	2024 Ogos	53.80
3.6.b.6.i Gravity 110mm	Sep	53.80
	Okt	53.80
	Nov	53.80
	Dis	53.80
	2025 Jan	53.80
	Feb	53.80
	Mac	53.80
	Apr	53.80
	Mei	53.80
	Jun	53.80
	Jul	53.80
	Ogos	53.80
3.6.b.6.ii Force Main 225mm	2024 Ogos	n.a.
	Sep	n.a.
	Okt	n.a.
	Nov	n.a.
	Dis	n.a.
	2025 Jan	n.a.
	Feb	n.a.
	Mac	n.a.
	Apr	n.a.
	Mei	n.a.
	Jun	n.a.
	Jul	n.a.
	Ogos	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.

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 Selangor.
- 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**.

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 of Selangor.
- 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 pembetungan
Adjustment factor table for water pipe and sewerage pipe

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

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

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

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

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

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

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

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

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

**Sasaran Tarikh Pengumuman Siaran Khas 1
(Untuk Kerja-Kerja Kejuruteraan Awam), Semenanjung Malaysia, 2025**

*Scheduled Release Dates for Special Release 1
(For Civil Engineering Works), Peninsular Malaysia, 2025*

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2025	Januari <i>January</i>	2025	07 Februari <i>07 February</i>
	Februari <i>February</i>		11 Mac <i>11 March</i>
	Mac <i>March</i>		10 April <i>10 April</i>
	April <i>April</i>		09 Mei <i>09 May</i>
	Mei <i>May</i>		12 Jun <i>12 June</i>
	Jun <i>June</i>		10 Julai <i>10 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>		09 Oktober <i>09 October</i>
	Oktober <i>October</i>		11 November <i>11 November</i>
	November <i>November</i>		10 Disember <i>10 December</i>
	Disember <i>December</i>	2026	12 Januari <i>12 January</i>