



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

MALAYSIA

SIARAN KHAS **3**
Special Release

(UNTUK KERJA-KERJA MEKANIKAL DAN ELEKTRIKAL)
(For Mechanical and Electrical Works)

MEI 2026
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Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang melaksanakan **Banci Ekonomi 2026 (BE2026)**, bertemakan “**Data Nadi Ekonomi Rakyat**”. Pelaksanaan Banci Ekonomi kali keenam ini berlangsung dari **5 Januari hingga 31 Oktober 2026**. BE2026 bertujuan untuk mengumpul data yang menyeluruh dan berstruktur daripada semua pertubuhan perniagaan berdaftar dan tidak berdaftar di Malaysia, bagi menilai prestasi, struktur serta ciri-ciri ekonomi negara secara komprehensif dan berasaskan bukti.

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 197 negara lain. Pencapaian ini merupakan lonjakan ketara daripada kedudukan ke-67 dalam penilaian ODIN 2022/23.

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

The Department of Statistics Malaysia (DOSM) is conducting the **Economic Census 2026 (BE2026)**, themed “**Data Nadi Ekonomi Rakyat**”. The sixth Economic Census, running from **5th January to 31st October 2026**. BE2026 aims to collect comprehensive, structured data from all registered and unregistered business establishments in Malaysia to assess the nation's economic performance, structure and characteristics in an evidence-based manner.

Malaysia has, for the first time, successfully secured the **top position** globally in the biennial **Open Data Inventory (ODIN) 2024/25** report released by Open Data Watch (ODW), surpassing 197 other countries. This achievement marks a significant leap from its 67th position in the ODIN 2022/23 assessment.

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 PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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Blok C6, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan,

62514 Putrajaya,

MALAYSIA

Tel. : 03-8885 7000

Faks : 03-8888 9248

Portal : <https://www.dosm.gov.my>

Facebook / X / Instagram : StatsMalaysia

E-mel / E-mail : info@dosm.gov.my (pertanyaan umum / general enquiries)
data@dosm.gov.my (pertanyaan & permintaan data / data request & enquiries)

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"Sumber: Jabatan Perangkaan Malaysia".

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JADUAL
TABLE

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Jadual 1: Indeks harga seunit bagi copper cables

Table 1: Unit price index for copper cables

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region				
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak		
1 Copper Cables						
1.1 Concealed/Surface wiring in conduit (per unit point)	2025	Mei	105.8	92.3	104.8	
		Jun	106.1	92.2	104.8	
		Jul	106.1	92.6	104.9	
		Ogos	107.1	92.9	104.9	
		Sep	106.5	95.3	104.7	
		Okt	106.9	95.5	105.0	
		Nov	106.5	97.2	104.8	
	2026	Dis	107.5	98.4	105.1	
		Jan	111.3	98.5	106.2	
		Feb	111.4	95.8	106.7	
		Mac	111.6	99.5	106.6	
		Apr	112.6	108.4	107.2	
		Mei	113.1	108.9	107.2	
1.2 Cables in trunking (per meter run)	2025	Mei	105.8	92.3	104.8	
		Jun	106.1	92.2	104.8	
		Jul	106.1	92.6	104.9	
		Ogos	107.1	92.9	104.9	
		Sep	106.5	95.3	104.7	
		Okt	106.9	95.5	105.0	
		Nov	106.5	97.2	104.8	
	2026	Dis	107.5	98.4	105.1	
		Jan	111.3	98.5	106.2	
		Feb	111.4	95.8	106.7	
		Mac	111.6	99.5	106.6	
		Apr	112.6	108.4	107.2	
		Mei	113.1	108.9	107.2	
1.3 Cables laid underground (per meter run)	2025	Mei	97.1	94.8	94.1	
1.3.i 120 sq. mm and above		Jun	97.3	94.9	94.2	
		Jul	97.7	95.3	94.5	
		Ogos	97.6	95.3	94.5	
		Sep	97.7	96.1	94.6	
		Okt	97.6	96.2	94.5	
		Nov	97.7	97.0	94.5	
		Dis	97.9	96.9	94.5	
		2026	Jan	98.7	97.1	94.7
			Feb	99.2	97.1	94.7
			Mac	99.5	97.9	95.0
			Apr	99.5	100.3	95.0
			Mei	100.6	100.4	95.0

Nota: 1.1 Turut dikenali sebagai Concealed/Surface wiring using G.I conduit.

1.2 Turut dikenali sebagai Cables in galvanized trunking .

Note: 1.1 Also known as Concealed/Surface wiring using G.I conduit.

1.2 Also known as Cables in galvanized trunking.

Jadual 1: Indeks harga seunit bagi copper cables (samb.)

Table 1: Unit price index for copper cables (cont'd)

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region		
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak
1 Copper Cables				
1.3 Cables laid underground (per meter run)	2025 Mei	104.2	100.6	103.6
1.3.ii Below 120 sq. mm	Jun	104.4	100.5	103.6
	Jul	104.6	100.9	103.8
	Ogos	104.9	101.0	103.8
	Sep	104.9	102.4	103.8
	Okt	105.0	102.7	103.9
	Nov	104.8	103.7	103.8
	Dis	105.5	104.6	103.9
	2026 Jan	107.8	104.7	104.3
	Feb	107.9	103.7	104.5
	Mac	108.1	105.8	104.6
	Apr	108.4	111.7	104.8
	Mei	109.2	111.8	104.8
1.4 Cables on tray/ladder (per meter run)	2025 Mei	97.1	94.8	94.1
1.4.i 120 sq. mm and above	Jun	97.3	94.9	94.2
	Jul	97.7	95.3	94.5
	Ogos	97.6	95.3	94.5
	Sep	97.7	96.1	94.6
	Okt	97.6	96.2	94.5
	Nov	97.7	97.0	94.5
	Dis	97.9	96.9	94.5
	2026 Jan	98.7	97.1	94.7
	Feb	99.2	97.1	94.7
	Mac	99.5	97.9	95.0
	Apr	99.5	100.3	95.0
	Mei	100.6	100.4	95.0
1.4.ii Below 120 sq. mm	2025 Mei	104.2	100.6	103.6
	Jun	104.4	100.5	103.6
	Jul	104.6	100.9	103.8
	Ogos	104.9	101.0	103.8
	Sep	104.9	102.4	103.8
	Okt	105.0	102.7	103.9
	Nov	104.8	103.7	103.8
	Dis	105.5	104.6	103.9
	2026 Jan	107.8	104.7	104.3
	Feb	107.9	103.7	104.5
	Mac	108.1	105.8	104.6
	Apr	108.4	111.7	104.8
	Mei	109.2	111.8	104.8

Jadual 1: Indeks harga seunit bagi copper cables (samb.)

Table 1: Unit price index for copper cables (cont'd)

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region		
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak
1 Copper Cables				
1.5 Busduct	2025 Mei	100.0	100.0	100.0
	Jun	100.0	100.0	100.0
	Jul	100.0	100.0	100.0
	Ogos	100.0	100.0	100.0
	Sep	100.0	100.0	100.0
	Okt	100.0	100.0	100.0
	Nov	103.9 ^r	100.0	103.9 ^r
	Dis	111.8 ^r	100.0	111.8 ^r
	2026 Jan	140.7	100.0	140.7
	Feb	140.7	100.0	140.7
	Mac	145.3	100.0	145.3
	Apr	154.7	100.0	154.7
	Mei	154.7	100.0	154.7

Jadual 2: Indeks harga seunit bagi switchgears

Table 2: Unit price index for switchgears

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region			
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak	
2 Switchgears					
2.1 Switchgears (above 1kV)	2025	Mei	100.0	88.7	100.0
		Jun	100.0	88.7	100.0
		Jul	100.0	88.7	100.0
		Ogos	100.0	88.7	100.0
		Sep	100.0	85.0	100.0
		Okt	100.0	85.0	100.0
		Nov	100.0	85.0	100.0
		Dis	100.0	85.0	100.0
	2026	Jan	100.0	85.0	100.0
		Feb	100.0	85.0	100.0
		Mac	100.0	85.0	100.0
		Apr	100.0	85.0	100.0
		Mei	100.0	85.0	100.0
2.2 LV Switchboards (Incomer breaker 600A and above)	2025	Mei	124.6	102.7	100.0
		Jun	124.5	102.7	100.0
		Jul	124.5	102.7	100.0
		Ogos	124.8	102.7	100.0
		Sep	123.8	105.1	100.0
		Okt	123.8	105.1	100.0
		Nov	123.8	105.1	100.0
		Dis	123.8	105.1	100.0
	2026	Jan	123.0	101.8	100.0
		Feb	125.7	101.8	100.0
		Mac	126.1	104.3	100.0
		Apr	126.5	105.2	100.0
		Mei	125.4	98.8	100.0
2.3 LV Switchboards and Sub Switchboards (Incomer breaker below 600A)	2025	Mei	124.6	102.7	100.0
		Jun	124.5	102.7	100.0
		Jul	124.5	102.7	100.0
		Ogos	124.8	102.7	100.0
		Sep	123.8	105.1	100.0
		Okt	123.8	105.1	100.0
		Nov	123.8	105.1	100.0
		Dis	123.8	105.1	100.0
	2026	Jan	123.0	101.8	100.0
		Feb	125.7	101.8	100.0
		Mac	126.1	104.3	100.0
		Apr	126.5	105.2	100.0
		Mei	125.4	98.8	100.0

Nota: 2.1 Turut dikenali sebagai MV dan HT Switchgear.

Note: 2.1 Also known as MV and HT Switchgear.

Jadual 2: Indeks harga seunit bagi switchgears (samb.)

Table 2: Unit price index for switchgears (cont'd)

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region			
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak	
2 Switchgears					
2.4 TPN & SPN Distribution Boards (Incomer breaker 100A and below and Feeder Pillars)	2025	Mei	106.0	114.1	115.0
		Jun	106.0	114.1	115.0
		Jul	106.0	114.1	115.0
		Ogos	106.0	113.6	114.2
		Sep	106.0	118.3	113.5
		Okt	106.0	118.3	113.5
		Nov	106.0	118.3	113.5
		Dis	106.0	118.3	113.5
	2026	Jan	106.0	118.4	113.5
		Feb	106.0	118.4	113.5
		Mac	106.0	122.6	113.5
		Apr	106.0	131.0	113.5
		Mei	106.0	131.0	113.5

**Nota: 2.4 Turut dikenali sebagai TPN & SPN Distribution Boards (Incomer breaker 100A and below)
(Triple Pole and Neutral & Single Pole and Neutral Distribution Boards)**

**Note: 2.4 Also known as TPN & SPN Distribution Boards (Incomer breaker 100A and below)
(Triple Pole and Neutral & Single Pole and Neutral Distribution Boards)**

Jadual 3: Indeks harga seunit bagi transformers

Table 3: Unit price index for transformers

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region		
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak
3 Transformers				
3.1 Cast Resin Transformer	2025 Mei	103.1	100.0	103.1
	Jun	103.1	100.0	103.1
	Jul	103.1	100.0	103.1
	Ogos	103.3	100.0	103.3
	Sep	103.1	100.0	103.1
	Okt	103.1	100.0	103.1
	Nov	103.1	100.0	103.1
	Dis	103.1	100.0	103.1
	2026 Jan	103.1	100.0	103.1
	Feb	103.1	100.0	103.1
	Mac	103.1	100.0	103.1
	Apr	105.9	100.0	105.9
	Mei	105.9	100.0	105.9
3.2 Hermetically Sealed (oil filled) Transformer	2025 Mei	100.0	100.0	100.0
	Jun	100.0	100.0	100.0
	Jul	100.0	100.0	100.0
	Ogos	100.0	100.0	100.0
	Sep	100.0	100.0	100.0
	Okt	100.0	100.0	100.0
	Nov	100.0	100.0	100.0
	Dis	100.0	100.0	100.0
	2026 Jan	100.0	100.0	100.0
	Feb	100.0	100.0	100.0
	Mac	100.0	100.0	100.0
	Apr	100.0	100.0	100.0
	Mei	100.0	100.0	100.0

Nota: 3.1 Turut dikenali sebagai Low Loss Cast Resin Transformer.**3.2 Turut dikenali sebagai Low Loss Hermetically Sealed (oil filled) Transformer.**

Note: 3.1 Also known as Low Loss Cast Resin Transformer.

3.2 Also known as Low Loss Hermetically Sealed (oil filled) Transformer.

Jadual 4: Indeks harga seunit bagi generators

Table 4: Unit price index for generators

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region			
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak	
4 Generators					
4.1 Generator Sets Ratings Above 500kVA	2025	Mei	119.6	100.0	100.0
		Jun	119.6	100.0	100.0
		Jul	119.6	100.0	100.0
		Ogos	119.6	100.0	100.0
		Sep	119.6	100.0	100.0
		Okt	119.6	100.0	100.0
		Nov	119.6	100.0	100.0
		Dis	119.6	100.0	100.0
	2026	Jan	119.6	100.0	100.0
		Feb	119.6	100.0	100.0
		Mac	119.6	100.0	100.0
		Apr	119.6	100.0	100.0
		Mei	119.6	100.0	100.0
4.2 Generator Sets Ratings 500kVA and below	2025	Mei	100.0	100.0	100.0
		Jun	100.0	100.0	100.0
		Jul	100.0	100.0	100.0
		Ogos	100.0	100.0	100.0
		Sep	100.0	100.0	100.0
		Okt	100.0	100.0	100.0
		Nov	100.0	100.0	100.0
		Dis	100.0	100.0	100.0
	2026	Jan	100.0	100.0	100.0
		Feb	100.0	100.0	100.0
		Mac	100.0	100.0	100.0
		Apr	100.0	100.0	100.0
		Mei	100.0	100.0	100.0

Nota: 4.1 Turut dikenali sebagai Generator Ratings Above 500kVA.

4.2 Turut dikenali sebagai Generator Ratings 500kVA and below

Nota: 4.1 Also known as Generator Ratings Above 500kVA.

4.2 Also known as Generator Ratings 500kVA and below.

Jadual 5: Indeks harga seunit bagi lightning protection system and earthing system

Table 5: Unit price index for lightning protection system and earthing system

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region			
		Semenanjung Malaysia Peninsular Malaysia	Sabah	Sarawak	
5 Lightning Protection System & Earthing System					
5.1 Lightning Protection System	2025 Mei	110.5	105.6	165.1	
		Jun	110.5	105.6	165.1
	Jul	110.5	105.6	165.1	
	Ogos	117.5	105.6	165.1	
	Sep	102.4'	107.4'	165.1	
	Okt	123.1	107.4	165.1	
	Nov	126.6	107.4	165.1	
	Dis	131.1	107.4	165.1	
	2026	Jan	131.4	107.4	165.1
		Feb	133.9	107.4	165.1
		Mac	133.9	107.4	165.1
		Apr	133.9	116.8	165.1
		Mei	133.9	116.8	165.1
5.2 Earthing System 5.2.i Earthing System for Switchgears (above 1kV), Transformers, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic Lights Controllers	2025 Mei	110.5	105.6	165.1	
		Jun	110.5	105.6	165.1
	Jul	110.5	105.6	165.1	
	Ogos	117.5	105.6	165.1	
	Sep	102.4'	107.4'	165.1	
	Okt	123.1	107.4	165.1	
	Nov	126.6	107.4	165.1	
	Dis	131.1	107.4	165.1	
	2026	Jan	131.4	107.4	165.1
		Feb	133.9	107.4	165.1
		Mac	133.9	107.4	165.1
		Apr	133.9	116.8	165.1
		Mei	133.9	116.8	165.1
5.2.ii Earthing System for Distribution Boards and others	2025 Mei	110.5	105.6	165.1	
		Jun	110.5	105.6	165.1
	Jul	110.5	105.6	165.1	
	Ogos	117.5	105.6	165.1	
	Sep	102.4'	107.4'	165.1	
	Okt	123.1	107.4	165.1	
	Nov	126.6	107.4	165.1	
	Dis	131.1	107.4	165.1	
	2026	Jan	131.4	107.4	165.1
		Feb	133.9	107.4	165.1
		Mac	133.9	107.4	165.1
		Apr	133.9	116.8	165.1
		Mei	133.9	116.8	165.1

Nota: 5.2.i Turut dikenali sebagai Earthing System for Main Switchboards and Sub Switchboards & Earthing System for Earthing system for MV Switchgears, Transformers, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic lights controllers.

Note: 5.2.i Also known as Earthing System for Main Switchboards and Sub Switchboards & Earthing System for Earthing system for MV Switchgears, Transformers, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic lights controllers.

Jadual 6: Indeks harga seunit bagi air conditioning system

Table 6: Unit price index for air conditioning system

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region		
		Semenanjung Malaysia Peninsular Malaysia	Sabah & Sarawak	
6 Air Conditioning System				
6.1 Water Cooled Chiller	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0
6.2 Air Cooled Chiller	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0
6.3 Water Cooled Package	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0

Jadual 6: Indeks harga seunit bagi air conditioning system (samb.)

Table 6: Unit price index for air conditioning system (cont'd)

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region		
		Semenanjung Malaysia Peninsular Malaysia	Sabah & Sarawak	
6 Air Conditioning System				
6.4 Air Cooled Package	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0
6.5 Split Unit System 6.5.i Wall Mounted	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0
6.5.ii Ceiling Cassette / Mounted	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0

Jadual 6: Indeks harga seunit bagi air conditioning system (samb.)

Table 6: Unit price index for air conditioning system (cont'd)

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region	
		Semenanjung Malaysia Peninsular Malaysia	Sabah & Sarawak
6 Air Conditioning System			
6.6 VRV System 6.6.i Indoor	2025 Mei	100.0	100.0
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	100.0	100.0
	Sep	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2026 Jan	100.0	100.0
	Feb	100.0	100.0
	Mac	100.0	100.0
	Apr	100.0	100.0
	Mei	100.0	100.0
	6.6.ii Outdoor	2025 Mei	100.0
Jun		100.0	100.0
Jul		100.0	100.0
Ogos		100.0	100.0
Sep		100.0	100.0
Okt		100.0	100.0
Nov		100.0	100.0
Dis		100.0	100.0
2026 Jan		100.0	100.0
Feb		100.0	100.0
Mac		100.0	100.0
Apr		100.0	100.0
Mei		100.0	100.0

Jadual 7: Indeks harga seunit bagi motor (pumpset)

Table 7: Unit price index for motor (pumpset)

(Januari 2023=100)

(January 2023=100)

Item/ Item	Tempoh Period	Kawasan Region		
		Semenanjung Malaysia Peninsular Malaysia	Sabah & Sarawak	
7 Motor (Pumpset)				
7.1 Condenser Water Pump	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0
7.2 Chilled Water Pump	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0
7.3 Hose Reel Pump	2025	Mei	100.0	100.0
		Jun	100.0	100.0
		Jul	100.0	100.0
		Ogos	100.0	100.0
		Sep	100.0	100.0
		Okt	100.0	100.0
		Nov	100.0	100.0
		Dis	100.0	100.0
	2026	Jan	100.0	100.0
		Feb	100.0	100.0
		Mac	100.0	100.0
		Apr	100.0	100.0
		Mei	100.0	100.0

NOTA TEKNIKAL
TECHNICAL NOTES

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NOTA TEKNIKAL

1. Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal (M&E) digunakan dalam Pelaksanaan Syarat Perubahan Harga dalam kontrak-kontrak kerja kerajaan. Indeks harga seunit diterbitkan mengikut tiga (3) kawasan iaitu Semenanjung Malaysia, Sabah dan Sarawak.
2. Spesifikasi untuk komponen mekanikal dan elektrikal terpilih ditentukan oleh Jabatan Kerja Raya (JKR) dan Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB). Harga bagi komponen elektrikal diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia. Bagi komponen mekanikal, harga diperoleh dari pembekal.
3. Mulai Januari 2024, Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal adalah berasaskan kepada tahun asas yang telah disemak semula, Januari 2023=100 (Tahun asas sebelumnya: Julai 2017=100).
4. Bagi kontrak-kontrak yang telah ditandatangani sebelum Januari 2024, sila lihat 'Jadual faktor pelarasan' (**Lampiran A**) dan 'Contoh mengira Indeks Lama Kos Bahan Binaan' (**Lampiran B**) untuk panduan dalam Pelaksanaan Syarat Perubahan Harga. Bagi kontrak-kontrak mulai Januari 2024 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.
5. Jadual 1.5 (Busducts), Jadual 3.2 (Hermetically Sealed (oil filled) Transformer), Jadual 4 (Generators), Jadual 6 (Air-conditioning System) dan Jadual 7 (Motor Pumpset) sedang dalam tindakan pengemaskinian dan semakan semula spesifikasi item.

TECHNICAL NOTES

1. The Component Cost Index of the Mechanical and Electrical Works (M&E) is used in Special Provisions to the Conditions of Contract (Variation of Price) in government work contracts. The unit price indices are reported according to three (3) regions, that is Peninsular Malaysia, Sabah and Sarawak.
2. The specification of the selected mechanical and electrical components are determined by Public Works Department (JKR) and Construction Industry Development Board Malaysia (CIDB). The prices for electrical components are obtained from the price collection conducted by Department of Statistics, Malaysia. For components, the prices are obtained from the suppliers.
3. Starting from January 2024, the Index of Mechanical and Electrical Works Component Cost is based on the revised base year, January 2023=100 (Previous base: July 2017=100).
4. For contracts signed before January 2024, please refer to the 'Adjustment factor table' (**Appendix A**) and the 'Example for calculating the Old Building Materials Cost Index' (**Appendix B**) for the implementation of the Variation of Price. For contracts commencing January 2024 and thereafter, the new index is to be used without any further adjustment.
5. Table 1.5 (Busducts), Table 3.2 (Hermetically Sealed (oil filled) Transformer), Table 4 (Generators), Table 6 (Air-conditioning System) and Table 7 (Motor Pumpset) are currently undergoing updates and reviews of their item specifications.

LAMPIRAN

APPENDIX

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Jadual faktor pelarasan
Adjustment factor table

Komponen <i>Component</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>		
	Semenanjung Malaysia	Sabah	Sarawak
(1) Copper Cables			
1.1) Concealed/Surface wiring in conduit (per unit point)	1.2002	1.0000	1.3596
1.2) Cables in trunking (per meter run)	1.2002	1.0000	1.3596
1.3) Cables laid underground (per meter run)			
i) 120 sq. mm and above	1.1847	1.1153	1.2758
ii) Below 120 sq. mm	1.1755	1.0374	1.3836
1.4) Cables on tray/ladder (per meter run)			
i) 120 sq. mm and above	1.1847	1.1153	1.2758
ii) Below 120 sq. mm	1.1755	1.0374	1.3836
1.5) Busduct	0.9770	1.0000	0.9770
(2) Switchgears			
2.1) Switchgears (above 1kV)	1.0000	1.5334	1.0000
2.2) LV Switchboards (Incomer breaker 600A and above)	1.2843	1.2598	1.0020
2.3) LV Switchboards and Sub Switchboards (Incomer breaker below 600A)	1.2843	1.2598	1.0020
2.4) TPN & SPN Distribution Boards (Incomer breaker 100A and below and Feeder Pillars)	1.1146	1.0000	1.1123
(3) Transformers			
3.1) Cast Resin Transformer	1.0000	1.0000	1.0000
3.2) Hermetically Sealed (Oil filled) Transformer	1.0129	1.0210	1.0220
(4) Generators			
4.1) Generator Sets Ratings Above 500kVA	0.7124	1.0000	1.0000
4.2) Generator Sets Ratings 500kVA and below	1.0000	1.0000	1.0000
(5) Lightning Protection System & Earthing System			
5.1) Lightning Protection System	1.1073	1.2849	1.0000
5.2) Earthing System			
i) Earthing System for Switchgears (above 1kV), Transformer, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic Lights Controllers.	1.1073	1.2849	1.0000
ii) Earthing System for Distribution Boards and others	1.1073	1.2849	1.0000

Jadual faktor pelarasan (samb.)
Adjustment factor table (cont'd)

Komponen <i>Component</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>	
	Semenanjung Malaysia	Sabah & Sarawak
(6) Air Conditioning System		
6.1) Water Cooled Chiller	1.0000	1.0000
6.2) Air Cooled Chiller	1.0000	1.0000
6.3) Water Cooled Package	1.0000	1.0000
6.4) Air Cooled Package	1.0000	1.0000
6.5) Split Unit System		
i) Wall Mounted	1.0000	1.0000
ii) Ceiling Cassette / Mounted	1.0000	1.0000
6.6) VRV System		
i) Indoor	1.0000	1.0000
ii) Outdoor	1.0000	1.0000
(7) Motor (Pumpset)		
7.1) Condenser Water Pump	1.0080	1.0080
7.2) Chilled Water Pump	1.0080	1.0080
7.3) Hose Reel Pump	1.0060	1.0060

**Contoh pengiraan indeks lama M&E
(Julai 2017=100) dengan menggunakan
indeks baru M&E
(Januari 2023=100)**

Contoh mengira indeks lama *Busducts* bagi bulan Januari 2023 untuk kawasan Semenanjung Malaysia adalah seperti berikut:

jI lama Januari 2023 = FP (seperti di **Lampiran A**) x jI baru Januari 2023

iaitu, indeks lama Januari 2023:
= 0.9770×100.0
= 97.7

di mana,

FP = Faktor Pelarasan

jI = Indeks bagi kategori bangunan j

$j = 1, \dots, 8$

**Example for calculating the old M&E index
(July 2017=100) using the new M&E index
(January 2023=100)**

Example for calculating the old index of *Busduct* for the month of January 2023 for Peninsular Malaysia is as follows:

Old jI for January 2023 = AF (as in **Appendix A**) x new jI for January 2023

i.e. old index for January 2023:
= 0.9770×100.0
= 97.7

where,

AF = Adjustment Factor

jI = Index for building category j

$j = 1, \dots, 8$

Sasaran Tarikh Pengumuman Siaran Khas 3
(Untuk Kerja-Kerja Mekanikal dan Elektrikal), Malaysia, 2026
Scheduled Release Dates for Special Release 3
(For Mechanical and Electrical Works), Malaysia, 2026

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2026	Januari <i>January</i>	2026	11 Februari <i>11 February</i>
	Februari <i>February</i>		11 Mac <i>11 March</i>
	Mac <i>March</i>		09 April <i>09 April</i>
	April <i>April</i>		12 Mei <i>12 May</i>
	Mei <i>May</i>		10 Jun <i>10 June</i>
	Jun <i>June</i>		09 Julai <i>09 July</i>
	Julai <i>July</i>		11 Ogos <i>11 August</i>
	Ogos <i>August</i>		10 September <i>10 September</i>
	September <i>September</i>		12 Oktober <i>12 October</i>
	Oktober <i>October</i>		10 November <i>10 November</i>
	November <i>November</i>		10 Disember <i>10 December</i>
	Disember <i>December</i>	2027	11 Januari <i>11 January</i>