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JABATAN PERANGKAAN MALAYSIA

MALAYSIA

SIARAN KHAS **3**
Special Release

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

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DEPARTMENT OF STATISTICS MALAYSIA

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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)	2024	Ogos	109.0	93.4	104.5
		Sep	108.9	93.4	104.5
		Okt	107.7	94.2	105.6
		Nov	107.8	92.0	105.6
		Dis	107.8	92.0	105.6
	2025	Jan	107.8	92.0	105.6
		Feb	107.0	92.0	105.6
		Mac	106.6	92.0	104.8
		Apr	106.5	92.3	104.9
		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
	1.2 Cables in trunking (per meter run)	2024	Ogos	109.0	93.4
		Sep	108.9	93.4	104.5
		Okt	107.7	94.2	105.6
		Nov	107.8	92.0	105.6
		Dis	107.8	92.0	105.6
2025		Jan	107.8	92.0	105.6
		Feb	107.0	92.0	105.6
		Mac	106.6	92.0	104.8
		Apr	106.5	92.3	104.9
		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
1.3 Cables laid underground (per meter run) 1.3.i 120 sq. mm and above		2024	Ogos	101.0	97.8
		Sep	99.0	95.9	95.4
		Okt	97.5	95.4	94.9
		Nov	96.7	94.8	94.1
		Dis	96.7	94.8	94.1
	2025	Jan	96.7	94.8	94.1
		Feb	96.6	94.8	94.1
		Mac	96.7	94.8	94.2
		Apr	97.2	94.8	94.2
		Mei	97.1	94.8	94.1
		Jun	97.3	94.9	94.2
		Jul	97.7	95.3	94.5
		Ogos	97.6	95.3	94.5

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) 1.3.ii Below 120 sq. mm	2024 Ogos	105.9	101.3	103.2	
	Sep	105.5	101.0	103.1	
	Okt	104.8	101.9	103.8	
	Nov	104.9	101.0	103.8	
	Dis	104.9	101.0	103.8	
	2025 Jan	104.9	100.6	103.8	
	Feb	104.4	100.6	103.8	
	Mac	104.4	100.7	103.6	
	Apr	104.4	100.6	103.6	
	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	
	1.4 Cables on tray/ladder (per meter run) 1.4.i 120 sq. mm and above	2024 Ogos	101.0	97.8	97.3
		Sep	99.0	95.9	95.4
Okt		97.5	95.4	94.9	
Nov		96.7	94.8	94.1	
Dis		96.7	94.8	94.1	
2025 Jan		96.7	94.8	94.1	
Feb		96.6	94.8	94.1	
Mac		96.7	94.8	94.2	
Apr		97.2	94.8	94.2	
Mei		97.1	94.8	94.1	
Jun		97.3	94.9	94.2	
Jul		97.7	95.3	94.5	
Ogos		97.6	95.3	94.5	
1.4.ii Below 120 sq. mm		2024 Ogos	105.9	101.3	103.2
		Sep	105.5	101.0	103.1
	Okt	104.8	101.9	103.8	
	Nov	104.9	101.0	103.8	
	Dis	104.9	101.0	103.8	
	2025 Jan	104.9	100.6	103.8	
	Feb	104.4	100.6	103.8	
	Mac	104.4	100.7	103.6	
	Apr	104.4	100.6	103.6	
	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	

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	2024			
	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
	2025			
	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
	Jun	100.0	100.0	100.0
	Jul	100.0	100.0	100.0
Ogos	100.0	100.0	100.0	

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)	2024	Ogos	100.0	94.5	100.0
		Sep	100.0	94.5	100.0
		Okt	100.0	86.6	100.0
		Nov	100.0	86.6	100.0
		Dis	100.0	90.2	100.0
	2025	Jan	100.0	90.2	100.0
		Feb	100.0	88.7	100.0
		Mac	100.0	88.7	100.0
		Apr	100.0	88.7	100.0
		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
	2.2 LV Switchboards (Incomer breaker 600A and above)	2024	Ogos	123.8	106.1
Sep			123.9	104.6	100.0
		Okt	123.9	103.2	100.0
		Nov	123.8	103.0	100.0
		Dis	123.8	102.7	100.0
2025		Jan	123.8	102.7	100.0
		Feb	123.8	102.7	100.0
		Mac	125.3	102.7	100.0
		Apr	124.5	102.7	100.0
		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
2.3 LV Switchboards and Sub Switchboards (Incomer breaker below 600A)		2024	Ogos	123.8	106.1
	Sep		123.9	104.6	100.0
		Okt	123.9	103.2	100.0
		Nov	123.8	103.0	100.0
		Dis	123.8	102.7	100.0
	2025	Jan	123.8	102.7	100.0
		Feb	123.8	102.7	100.0
		Mac	125.3	102.7	100.0
		Apr	124.5	102.7	100.0
		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

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)	2024 Ogos	106.0	114.1	115.0
	Sep	106.0	114.1	115.0
	Okt	106.0	114.1	115.0
	Nov	106.0	114.1	115.0
	Dis	106.0	114.1	115.0
	2025 Jan	106.0	114.1	115.0
	Feb	106.0	114.1	115.0
	Mac	106.0	114.1	115.0
	Apr	106.0	114.1	115.0
	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

**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	2024	Ogos	102.2	100.0	102.2
		Sep	102.1	100.0	102.1
		Okt	102.1	100.0	102.1
		Nov	104.2	100.0	104.2
		Dis	104.2	100.0	104.2
	2025	Jan	102.9	100.0	102.9
		Feb	103.1	100.0	103.1
		Mac	103.1	100.0	103.1
		Apr	103.1	100.0	103.1
		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
	3.2 Hermetically Sealed (oil filled) Transformer	2024	Ogos	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
2025		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
		Jun	100.0	100.0	100.0
		Jul	100.0	100.0	100.0
		Ogos	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	2024 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
	2025 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
	Jun	119.6	100.0	100.0
	Jul	119.6	100.0	100.0
	Ogos	119.6	100.0	100.0
4.2 Generator Sets Ratings 500kVA and below	2024 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
	2025 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
	Jun	100.0	100.0	100.0
	Jul	100.0	100.0	100.0
	Ogos	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	2024 Ogos	95.7	103.9	165.1	
		Sep	95.7	103.9	165.1
	Okt	95.7	105.1	165.1	
	Nov	96.0	105.6	165.1	
	Dis	96.0	105.6	165.1	
	2025	Jan	110.5	105.6	165.1
		Feb	110.5	105.6	165.1
		Mac	110.5	105.6	165.1
		Apr	110.5	105.6	165.1
		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
	5.2 Earthing System	2024 Ogos	95.7	103.9	165.1
Sep			95.7	103.9	165.1
Okt		95.7	105.1	165.1	
Nov		96.0	105.6	165.1	
Dis		96.0	105.6	165.1	
2025		Jan	110.5	105.6	165.1
		Feb	110.5	105.6	165.1
		Mac	110.5	105.6	165.1
		Apr	110.5	105.6	165.1
		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
5.2.i Earthing System for Switchgears (above 1kV), Transformers, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic Lights Controllers		2024 Ogos	95.7	103.9	165.1
	Sep		95.7	103.9	165.1
	Okt	95.7	105.1	165.1	
	Nov	96.0	105.6	165.1	
	Dis	96.0	105.6	165.1	
	2025	Jan	110.5	105.6	165.1
		Feb	110.5	105.6	165.1
		Mac	110.5	105.6	165.1
		Apr	110.5	105.6	165.1
		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
	5.2.ii Earthing System for Distribution Boards and others	2024 Ogos	95.7	103.9	165.1
Sep			95.7	103.9	165.1
Okt		95.7	105.1	165.1	
Nov		96.0	105.6	165.1	
Dis		96.0	105.6	165.1	
2025		Jan	110.5	105.6	165.1
		Feb	110.5	105.6	165.1
		Mac	110.5	105.6	165.1
		Apr	110.5	105.6	165.1
		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

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	2024 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
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	100.0	100.0
6.2 Air Cooled Chiller	2024 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
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	100.0	100.0
6.3 Water Cooled Package	2024 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
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	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	2024		
	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
	2025		
	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
	Jun	100.0	100.0
	Jul	100.0	100.0
Ogos	100.0	100.0	
6.5 Split Unit System	2024		
	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
	2025		
	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
	Jun	100.0	100.0
	Jul	100.0	100.0
Ogos	100.0	100.0	
6.5.i Wall Mounted	2024		
	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
	2025		
	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
	Jun	100.0	100.0
	Jul	100.0	100.0
Ogos	100.0	100.0	
6.5.ii Ceiling Cassette / Mounted	2024		
	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
	2025		
	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
	Jun	100.0	100.0
	Jul	100.0	100.0
Ogos	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	2024 Ogos	100.0	100.0
6.6.i Indoor	Sep	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	100.0	100.0
6.6.ii Outdoor	2024 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
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	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	2024 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
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	100.0	100.0
	7.2 Chilled Water Pump	2024 Ogos	100.0
Sep		100.0	100.0
Okt		100.0	100.0
Nov		100.0	100.0
Dis		100.0	100.0
2025 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
Jun		100.0	100.0
Jul		100.0	100.0
Ogos		100.0	100.0
7.3 Hose Reel Pump		2024 Ogos	100.0
	Sep	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2025 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
	Jun	100.0	100.0
	Jul	100.0	100.0
	Ogos	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:

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

$$\begin{aligned} \text{iaitu, indeks lama Januari 2023:} \\ &= 0.9770 \times 100.0 \\ &= 97.7 \end{aligned}$$

di mana,

FP = Faktor Pelarasan

I_j = Indeks bagi kategori bangunan j

j = 1, 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 I_j for January 2023 = AF (as in **Appendix A**) x new I_j for January 2023

$$\begin{aligned} \text{i.e. old index for January 2023:} \\ &= 0.9770 \times 100.0 \\ &= 97.7 \end{aligned}$$

where,

AF = Adjustment Factor

I_j = Index for building category j

j = 1, 8

Sasaran Tarikh Pengumuman Siaran Khas 3
(Untuk Kerja-Kerja Mekanikal dan Elektrikal), Malaysia, 2025
Scheduled Release Dates for Special Release 3
(For Mechanical and Electrical Works), 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>		2025 12 Januari <i>12 January</i>