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JABATAN PERANGKAAN MALAYSIA

**MALAYSIA**

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

**OKTOBER** **2024**  
**OCTOBER**

**Pemakluman**

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

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

**Announcement**

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

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

**JABATAN PERANGKAAN MALAYSIA**  
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"Sumber: Jabatan Perangkaan Malaysia".

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**JADUAL**

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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	
<b>1 Copper Cables</b>					
1.1 Concealed/Surface wiring in conduit (per unit point)	2023	Okt	102.1	94.5	101.3
		Nov	101.9	95.4	101.3
		Dis	102.9	95.9	101.5
	2024	Jan	103.3	95.9	101.6
		Feb	102.5	96.6	100.5
		Mac	103.4	96.3	101.4
		Apr	104.6	96.4	101.6
		Mei	105.9	98.0	105.1
		Jun	107.9	97.5	107.7
		Jul	108.3	97.5	107.8
		Ogos	109.0	93.4	104.5
		Sep	108.9	93.4	104.5
		Okt	107.7	94.2	105.6
1.2 Cables in trunking (per meter run)	2023	Okt	102.1	94.5	101.3
		Nov	101.9	95.4	101.3
		Dis	102.9	95.9	101.5
	2024	Jan	103.3	95.9	101.6
		Feb	102.5	96.6	100.5
		Mac	103.4	96.3	101.4
		Apr	104.6	96.4	101.6
		Mei	105.9	98.0	105.1
		Jun	107.9	97.5	107.7
		Jul	108.3	97.5	107.8
		Ogos	109.0	93.4	104.5
		Sep	108.9	93.4	104.5
		Okt	107.7	94.2	105.6
1.3 Cables laid underground (per meter run) 1.3.i 120 sq. mm and above	2023	Okt	100.6	100.7	100.9
		Nov	100.5	100.9	100.9
		Dis	100.7	101.1	99.7
	2024	Jan	100.8	101.1	99.7
		Feb	100.8	101.1	99.5
		Mac	102.0	101.5	100.3
		Apr	101.2	100.2	98.8
		Mei	100.7	99.4	99.4
		Jun	100.5	97.6	98.9
		Jul	100.8	97.6	98.9
		Ogos	101.0	97.8	97.3
		Sep	99.0	95.9	95.4
		Okt	97.5	95.4	94.9

**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
<b>1 Copper Cables</b>				
<b>1.3 Cables laid underground (per meter run)</b>	<b>2023 Okt</b>	100.9	102.6	101.1
<b>1.3.ii Below 120 sq. mm</b>	<b>Nov</b>	100.8	103.6	101.1
	<b>Dis</b>	101.4	104.3	100.1
	<b>2024 Jan</b>	101.7	104.3	100.0
	<b>Feb</b>	101.4	104.5	99.6
	<b>Mac</b>	102.3	104.5	100.4
	<b>Apr</b>	102.9	105.2	100.5
	<b>Mei</b>	104.1	105.9	103.3
	<b>Jun</b>	105.6	102.8	105.8
	<b>Jul</b>	105.8	102.8	105.8
	<b>Ogos</b>	105.9	101.3	103.2
	<b>Sep</b>	105.5	101.0	103.1
	<b>Okt</b>	104.8	101.9	103.8
<b>1.4 Cables on tray/ladder (per meter run)</b>	<b>2023 Okt</b>	100.6	100.7	100.9
<b>1.4.i 120 sq. mm and above</b>	<b>Nov</b>	100.5	100.9	100.9
	<b>Dis</b>	100.7	101.1	99.7
	<b>2024 Jan</b>	100.8	101.1	99.7
	<b>Feb</b>	100.8	101.1	99.5
	<b>Mac</b>	102.0	101.5	100.3
	<b>Apr</b>	101.2	100.2	98.8
	<b>Mei</b>	100.7	99.4	99.4
	<b>Jun</b>	100.5	97.6	98.9
	<b>Jul</b>	100.8	97.6	98.9
	<b>Ogos</b>	101.0	97.8	97.3
	<b>Sep</b>	99.0	95.9	95.4
	<b>Okt</b>	97.5	95.4	94.9
<b>1.4.ii Below 120 sq. mm</b>	<b>2023 Okt</b>	100.9	102.6	101.1
	<b>Nov</b>	100.8	103.6	101.1
	<b>Dis</b>	101.4	104.3	100.1
	<b>2024 Jan</b>	101.7	104.3	100.0
	<b>Feb</b>	101.4	104.5	99.6
	<b>Mac</b>	102.3	104.5	100.4
	<b>Apr</b>	102.9	105.2	100.5
	<b>Mei</b>	104.1	105.9	103.3
	<b>Jun</b>	105.6	102.8	105.8
	<b>Jul</b>	105.8	102.8	105.8
	<b>Ogos</b>	105.9	101.3	103.2
	<b>Sep</b>	105.5	101.0	103.1
	<b>Okt</b>	104.8	101.9	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
<b>1 Copper Cables</b>				
<b>1.5 Busduct</b>	<b>2023</b> Okt	100.0	100.0	100.0
	Nov	100.0	100.0	100.0
	Dis	100.0	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0	100.0
	Okt	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
<b>2 Switchgears</b>				
<b>2.1 Switchgears (above 1kV)</b>	<b>2023</b> Okt	100.0	103.7	100.0
	Nov	100.0	105.0	100.0
	Dis	100.0	100.3	100.0
	<b>2024</b> Jan	100.0	100.3	100.0
	Feb	100.0	98.6	100.0
	Mac	100.0	98.6	100.0
	Apr	100.0	98.6	100.0
	Mei	100.0	98.6	100.0
	Jun	100.0	98.6	100.0
	Jul	100.0	98.6	100.0
	Ogos	100.0	94.5	100.0
	Sep	100.0	94.5	100.0
	Okt	100.0	86.6	100.0
<b>2.2 LV Switchboards (Incomer breaker 600A and above)</b>	<b>2023</b> Okt	121.4	107.0	100.0
	Nov	121.8	107.0	100.0
	Dis	121.7	107.0	100.0
	<b>2024</b> Jan	121.7	107.0	100.0
	Feb	121.7	107.1	100.0
	Mac	121.7	107.1	100.0
	Apr	122.7	107.1	100.0
	Mei	122.8	107.4	100.0
	Jun	122.8	109.6	100.0
	Jul	122.8	109.6	100.0
	Ogos	123.8	106.1	100.0
	Sep	123.9	104.6	100.0
	Okt	123.9	103.2	100.0
<b>2.3 LV Switchboards and Sub Switchboards (Incomer breaker below 600A)</b>	<b>2023</b> Okt	121.4	107.0	100.0
	Nov	121.8	107.0	100.0
	Dis	121.7	107.0	100.0
	<b>2024</b> Jan	121.7	107.0	100.0
	Feb	121.7	107.1	100.0
	Mac	121.7	107.1	100.0
	Apr	122.7	107.1	100.0
	Mei	122.8	107.4	100.0
	Jun	122.8	109.6	100.0
	Jul	122.8	109.6	100.0
	Ogos	123.8	106.1	100.0
	Sep	123.9	104.6	100.0
	Okt	123.9	103.2	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
<b>2 Switchgears</b>				
<b>2.4 TPN &amp; SPN Distribution Boards (Incomer breaker 100A and below and Feeder Pillars)</b>	<b>2023</b> Okt	105.6	114.1	113.1
	Nov	105.6	114.1	113.1
	Dis	105.6	114.1	113.1
	<b>2024</b> Jan	105.6	114.1	113.1
	Feb	105.6	114.1	113.1
	Mac	105.6	114.1	113.1
	Apr	105.6	114.1	113.1
	Mei	106.0	114.1	115.0
	Jun	106.0	114.1	115.0
	Jul	106.0	114.1	115.0
	Ogos	106.0	114.1	115.0
	Sep	106.0	114.1	115.0
	Okt	106.0	114.1	115.0

**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
<b>3 Transformers</b>				
<b>3.1 Cast Resin Transformer</b>	<b>2023</b>			
	Okt	100.3	100.0	100.3
	Nov	100.9	100.0	100.9
	Dis	100.9	100.0	100.9
	<b>2024</b>			
	Jan	100.9	100.0	100.9
	Feb	100.9	100.0	100.9
	Mac	101.1	100.0	101.1
	Apr	101.1	100.0	101.1
	Mei	102.4	100.0	102.4
	Jun	102.4	100.0	102.4
	Jul	102.4	100.0	102.4
	Ogos	102.2	100.0	102.2
Sep	102.1	100.0	102.1	
Okt	102.1	100.0	102.1	
<b>3.2 Hermetically Sealed (oil filled) Transformer</b>	<b>2023</b>			
	Okt	100.0	100.0	100.0
	Nov	100.0	100.0	100.0
	Dis	100.0	100.0	100.0
	<b>2024</b>			
	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
Sep	100.0	100.0	100.0	
Okt	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	
<b>4 Generators</b>					
<b>4.1 Generator Sets Ratings Above 500kVA</b>	<b>2023</b>	<b>Okt</b>	119.6	100.0	100.0
		<b>Nov</b>	119.6	100.0	100.0
		<b>Dis</b>	119.6	100.0	100.0
	<b>2024</b>	<b>Jan</b>	119.6	100.0	100.0
		<b>Feb</b>	119.6	100.0	100.0
		<b>Mac</b>	119.6	100.0	100.0
		<b>Apr</b>	119.6	100.0	100.0
		<b>Mei</b>	119.6	100.0	100.0
		<b>Jun</b>	119.6	100.0	100.0
		<b>Jul</b>	119.6	100.0	100.0
		<b>Ogos</b>	119.6	100.0	100.0
		<b>Sep</b>	119.6	100.0	100.0
		<b>Okt</b>	119.6	100.0	100.0
<b>4.2 Generator Sets Ratings 500kVA and below</b>	<b>2023</b>	<b>Okt</b>	100.0	100.0	100.0
		<b>Nov</b>	100.0	100.0	100.0
		<b>Dis</b>	100.0	100.0	100.0
	<b>2024</b>	<b>Jan</b>	100.0	100.0	100.0
		<b>Feb</b>	100.0	100.0	100.0
		<b>Mac</b>	100.0	100.0	100.0
		<b>Apr</b>	100.0	100.0	100.0
		<b>Mei</b>	100.0	100.0	100.0
		<b>Jun</b>	100.0	100.0	100.0
		<b>Jul</b>	100.0	100.0	100.0
		<b>Ogos</b>	100.0	100.0	100.0
		<b>Sep</b>	100.0	100.0	100.0
		<b>Okt</b>	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		
<b>5 Lightning Protection System &amp; Earthing System</b>						
<b>5.1 Lightning Protection System</b>	<b>2023</b>	Okt	96.0	100.6	161.6	
		Nov	96.0	101.1	161.6	
		Dis	96.0	101.8	161.6	
	<b>2024</b>	Jan	96.0	101.8	161.6	
		Feb	96.0	101.8	161.6	
		Mac	96.0	101.5	161.6	
		Apr	96.0	102.7	161.6	
		Mei	96.0	104.6	165.1	
		Jun	96.0	103.9	165.1	
		Jul	96.0	103.9	165.1	
		Ogos	95.7	103.9	165.1	
		Sep	95.7	103.9	165.1	
		Okt	95.7	105.1	165.1	
<b>5.2 Earthing System</b>	<b>2023</b>	Okt	96.0	100.6	161.6	
		Nov	96.0	101.1	161.6	
		Dis	96.0	101.8	161.6	
	<b>5.2.i Earthing System for Switchgears (above 1kV), Transformers, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic Lights Controllers</b>	<b>2024</b>	Jan	96.0	101.8	161.6
			Feb	96.0	101.8	161.6
			Mac	96.0	101.5	161.6
			Apr	96.0	102.7	161.6
			Mei	96.0	104.6	165.1
			Jun	96.0	103.9	165.1
			Jul	96.0	103.9	165.1
			Ogos	95.7	103.9	165.1
			Sep	95.7	103.9	165.1
			Okt	95.7	105.1	165.1
<b>5.2.ii Earthing System for Distribution Boards and others</b>	<b>2023</b>	Okt	96.0	100.6	161.6	
		Nov	96.0	101.1	161.6	
		Dis	96.0	101.8	161.6	
	<b>2024</b>	Jan	96.0	101.8	161.6	
		Feb	96.0	101.8	161.6	
		Mac	96.0	101.5	161.6	
		Apr	96.0	102.7	161.6	
		Mei	96.0	104.6	165.1	
		Jun	96.0	103.9	165.1	
		Jul	96.0	103.9	165.1	
		Ogos	95.7	103.9	165.1	
		Sep	95.7	103.9	165.1	
		Okt	95.7	105.1	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. 8

**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
<b>6 Air Conditioning System</b>			
<b>6.1 Water Cooled Chiller</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
<b>6.2 Air Cooled Chiller</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
<b>6.3 Water Cooled Package</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	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
<b>6 Air Conditioning System</b>			
<b>6.4 Air Cooled Package</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
<b>6.5 Split Unit System</b> <b>6.5.i Wall Mounted</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
<b>6.5.ii Ceiling Cassette / Mounted</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	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
<b>6 Air Conditioning System</b>			
<b>6.6 VRV System</b> <b>6.6.i Indoor</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
	<b>6.6.ii Outdoor</b>	<b>2023</b> Okt	100.0
Nov		100.0	100.0
Dis		100.0	100.0
<b>2024</b> 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
Sep		100.0	100.0
Okt		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
<b>7 Motor (Pumpset)</b>			
<b>7.1 Condenser Water Pump</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
<b>7.2 Chilled Water Pump</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0
<b>7.3 Hose Reel Pump</b>	<b>2023</b> Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	<b>2024</b> 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
	Sep	100.0	100.0
	Okt	100.0	100.0

**NOTA TEKNIKAL**  
*TECHNICAL NOTES*

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**Nota teknikal Indeks Kos Komponen  
Kerja-kerja Mekanikal dan Elektrikal (M&E)  
(Januari 2023=100)**

1. Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal (M&E) digunakan dalam Pelaksanaan Syarat Perubahan Harga dalam kontrak-kontrak bangunan kerajaan sahaja. Indeks harga seunit diterbitkan mengikut tiga (3) kawasan iaitu Semenanjung Malaysia, Sabah dan Sarawak.
2. Spesifikasi untuk komponen mekanikal dan elektrik terpilih ditentukan oleh Jabatan Kerja Raya (JKR) dan Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB). Harga bagi komponen elektrik 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 Bangunan' (**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.

**Technical notes on Component Cost  
Index of the Mechanical and Electrical  
Works (M&E) (January 2023=100)**

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 building contracts only. 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.

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**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
<b>(1) Copper Cables</b>			
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
<b>(2) Switchgears</b>			
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
<b>(3) Transformers</b>			
3.1) Cast Resin Transformer	1.0000	1.0000	1.0000
3.2) Hermetically Sealed (Oil filled) Transformer	1.0129	1.0210	1.0220
<b>(4) Generators</b>			
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
<b>(5) Lightning Protection System &amp; Earthing System</b>			
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	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
<b>(6) Air Conditioning System</b>		
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
<b>(7) Motor (Pumpset)</b>		
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)**

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

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

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

$I_{jI}$  lama Januari 2023 = FP (seperti di **Lampiran A**) x  $I_{jI}$  baru Januari 2023

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

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

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

di mana,

FP = Faktor Pelarasan

$I_{jI}$  = Indeks bagi kategori bangunan j

j = 1, ..... 8

where,

AF = Adjustment Factor

$I_{jI}$  = Index for building category j

j = 1, ..... 8

**Sasaran Tarikh Pengumuman Siaran Khas 3**  
**(Untuk Kerja-Kerja Mekanikal dan Elektrikal), Malaysia, 2024**  
*Scheduled Release Dates for Special Release 3*  
*(For Mechanical and Electrical Works), Malaysia, 2024*

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