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JABATAN PERANGKAAN MALAYSIA

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Special Release **3**

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

**DISEMBER**  
**DECEMBER** **2023**

**Pemakluman**

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

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

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan".

Pangkalan Data Utama (PADU) telah dilancarkan pada 2 Januari 2024. PADU mengandungi profil individu dan isi rumah meliputi warganegara dan pemastautin tetap berumur 18 tahun ke atas di Malaysia. Matlamat utama PADU untuk memastikan rakyat Malaysia tidak tercicir daripada setiap inisiatif berpaksikan rakyat yang dilaksanakan oleh Kerajaan. Dimohon kerjasama untuk mendaftar dan mengemaskini PADU sebelum atau pada 31 Mac 2024. Sila layari [www.padu.gov.my](http://www.padu.gov.my) bagi maklumat lanjut berkaitan PADU atau menghubungi talian hotline berikut;

- i) MyGCC : 1-800-88-7720
- ii) Jabatan Perangkaan Malaysia : 1-800-88-7721
- iii) Aduan online melalui SISPA: <https://padu.spab.gov.my>.

**Announcement**

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

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

*The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life".*

*The Primary Database (PADU) was launched on 2 January 2024. PADU contains individual and household profiles covering citizens and permanent residents aged 18 and over in Malaysia. The main goal of PADU is to ensure that Malaysians are not left behind of every people-oriented initiative implemented by the Government. Your kind cooperation is requested to register and update PADU by 31 March 2024. Please visit [www.padu.gov.my](http://www.padu.gov.my) for more information related to PADU or contact the following hotline;*

- i) MyGCC : 1-800-88-7720*
- i) Department of Statistics Malaysia : 1-800-88-7721*
- ii) Complain online through SISPA: <https://padu.spab.gov.my>.*

**JABATAN PERANGKAAN MALAYSIA**  
**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*

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item                                                             | Tempoh<br>Period | Kawasan<br>Region                                 |       |                    |                    |
|---------------------------------------------------------------------------|------------------|---------------------------------------------------|-------|--------------------|--------------------|
|                                                                           |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak            |                    |
| 1 Copper Cables                                                           |                  |                                                   |       |                    |                    |
| 1.1 Concealed/Surface wiring in conduit<br>(per unit point)               | 2022             | Dis                                               | 116.9 | 144.5              | 135.3 <sup>r</sup> |
|                                                                           | 2023             | Jan                                               | 117.2 | 148.9              | 135.4              |
|                                                                           |                  | Feb                                               | 121.3 | 155.0              | 134.2              |
|                                                                           |                  | Mac                                               | 119.9 | 146.7              | 134.3              |
|                                                                           |                  | Apr                                               | 122.1 | 136.3              | 134.3              |
|                                                                           |                  | Mei                                               | 123.2 | 136.1              | 134.4              |
|                                                                           |                  | Jun                                               | 123.2 | 135.5              | 134.4              |
|                                                                           |                  | Jul                                               | 122.1 | 137.3              | 137.7              |
|                                                                           |                  | Ogos                                              | 122.4 | 139.2              | 137.7              |
|                                                                           |                  | Sep                                               | 122.6 | 140.0              | 137.7              |
|                                                                           |                  | Okt                                               | 122.6 | 141.3              | 137.7              |
|                                                                           |                  | Nov                                               | 122.3 | 142.6              | 137.7              |
|                                                                           |                  | Dis                                               | 123.5 | 143.4              | 138.0              |
| 1.2 Cables in trunking (per meter run)                                    | 2022             | Dis                                               | 116.9 | 144.5              | 135.3 <sup>r</sup> |
|                                                                           | 2023             | Jan                                               | 117.2 | 148.9              | 135.4              |
|                                                                           |                  | Feb                                               | 121.3 | 155.0              | 134.2              |
|                                                                           |                  | Mac                                               | 119.9 | 146.7              | 134.3              |
|                                                                           |                  | Apr                                               | 122.1 | 136.3              | 134.3              |
|                                                                           |                  | Mei                                               | 123.2 | 136.1              | 134.4              |
|                                                                           |                  | Jun                                               | 123.2 | 135.5              | 134.4              |
|                                                                           |                  | Jul                                               | 122.1 | 137.3              | 137.7              |
|                                                                           |                  | Ogos                                              | 122.4 | 139.2              | 137.7              |
|                                                                           |                  | Sep                                               | 122.6 | 140.0              | 137.7              |
|                                                                           |                  | Okt                                               | 122.6 | 141.3              | 137.7              |
|                                                                           |                  | Nov                                               | 122.3 | 142.6              | 137.7              |
|                                                                           |                  | Dis                                               | 123.5 | 143.4              | 138.0              |
| 1.3 Cables laid underground (per meter run)<br>1.3.i 120 sq. mm and above | 2022             | Dis                                               | 117.6 | 109.0              | 127.3              |
|                                                                           | 2023             | Jan                                               | 117.8 | 113.4 <sup>r</sup> | 127.3              |
|                                                                           |                  | Feb                                               | 119.3 | 118.6              | 126.2              |
|                                                                           |                  | Mac                                               | 118.4 | 118.6              | 126.2              |
|                                                                           |                  | Apr                                               | 120.2 | 119.4              | 127.1              |
|                                                                           |                  | Mei                                               | 119.7 | 119.4              | 127.1              |
|                                                                           |                  | Jun                                               | 119.7 | 117.7              | 127.1              |
|                                                                           |                  | Jul                                               | 119.2 | 117.7              | 128.8              |
|                                                                           |                  | Ogos                                              | 119.2 | 117.7              | 128.8              |
|                                                                           |                  | Sep                                               | 119.2 | 117.7              | 128.8              |
|                                                                           |                  | Okt                                               | 119.2 | 118.3              | 128.8              |
|                                                                           |                  | Nov                                               | 119.1 | 118.9              | 128.8              |
|                                                                           |                  | Dis                                               | 119.3 | 119.9              | 127.2              |

**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)*

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item                               | Tempoh<br>Period | Kawasan<br>Region                                 |                    |         |
|---------------------------------------------|------------------|---------------------------------------------------|--------------------|---------|
|                                             |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah              | Sarawak |
| 1 Copper Cables                             |                  |                                                   |                    |         |
| 1.3 Cables laid underground (per meter run) | 2022 Dis         | 114.5                                             | 137.0              | 138.2   |
| 1.3.ii Below 120 sq. mm                     | 2023 Jan         | 114.8                                             | 142.9 <sup>f</sup> | 138.2   |
|                                             | Feb              | 118.6                                             | 146.9              | 137.1   |
|                                             | Mac              | 117.7                                             | 144.9              | 137.1   |
|                                             | Apr              | 118.9                                             | 141.0              | 137.1   |
|                                             | Mei              | 119.2                                             | 140.9              | 137.1   |
|                                             | Jun              | 119.2                                             | 140.3              | 137.1   |
|                                             | Jul              | 118.5                                             | 141.0              | 140.1   |
|                                             | Ogos             | 118.5                                             | 142.4              | 140.0   |
|                                             | Sep              | 118.5                                             | 143.3              | 140.0   |
|                                             | Okt              | 118.6                                             | 144.8              | 140.0   |
|                                             | Nov              | 118.5                                             | 146.1              | 140.0   |
|                                             | Dis              | 119.2                                             | 147.0              | 138.5   |
| 1.4 Cables on tray/ladder (per meter run)   | 2022 Dis         | 117.6                                             | 109.0              | 127.3   |
| 1.4.i 120 sq. mm and above                  | 2023 Jan         | 117.8                                             | 113.4 <sup>f</sup> | 127.3   |
|                                             | Feb              | 119.3                                             | 118.6              | 126.2   |
|                                             | Mac              | 118.4                                             | 118.6              | 126.2   |
|                                             | Apr              | 120.2                                             | 119.4              | 127.1   |
|                                             | Mei              | 119.7                                             | 119.4              | 127.1   |
|                                             | Jun              | 119.7                                             | 117.7              | 127.1   |
|                                             | Jul              | 119.2                                             | 117.7              | 128.8   |
|                                             | Ogos             | 119.2                                             | 117.7              | 128.8   |
|                                             | Sep              | 119.2                                             | 117.7              | 128.8   |
|                                             | Okt              | 119.2                                             | 118.3              | 128.8   |
|                                             | Nov              | 119.1                                             | 118.9              | 128.8   |
|                                             | Dis              | 119.3                                             | 119.9              | 127.2   |
| 1.4.ii Below 120 sq. mm                     | 2022 Dis         | 114.5                                             | 137.0              | 138.2   |
|                                             | 2023 Jan         | 114.8                                             | 142.9 <sup>f</sup> | 138.2   |
|                                             | Feb              | 118.6                                             | 146.9              | 137.1   |
|                                             | Mac              | 117.7                                             | 144.9              | 137.1   |
|                                             | Apr              | 118.9                                             | 141.0              | 137.1   |
|                                             | Mei              | 119.2                                             | 140.9              | 137.1   |
|                                             | Jun              | 119.2                                             | 140.3              | 137.1   |
|                                             | Jul              | 118.5                                             | 141.0              | 140.1   |
|                                             | Ogos             | 118.5                                             | 142.4              | 140.0   |
|                                             | Sep              | 118.5                                             | 143.3              | 140.0   |
|                                             | Okt              | 118.6                                             | 144.8              | 140.0   |
|                                             | Nov              | 118.5                                             | 146.1              | 140.0   |
|                                             | Dis              | 119.2                                             | 147.0              | 138.5   |

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

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

**(Julai 2017=100)**

*(July 2017=100)*

| Item/<br>Item   | Tempoh<br>Period | Kawasan<br>Region                                 |       |         |
|-----------------|------------------|---------------------------------------------------|-------|---------|
|                 |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak |
| 1 Copper Cables |                  |                                                   |       |         |
| 1.5 Busduct     | 2022 Dis         | 97.7                                              | 100.0 | 97.7    |
|                 | 2023 Jan         | 97.7                                              | 100.0 | 97.7    |
|                 | Feb              | 97.7                                              | 100.0 | 97.7    |
|                 | Mac              | 97.7                                              | 100.0 | 97.7    |
|                 | Apr              | 97.7                                              | 100.0 | 97.7    |
|                 | Mei              | 97.7                                              | 100.0 | 97.7    |
|                 | Jun              | 97.7                                              | 100.0 | 97.7    |
|                 | Jul              | 97.7                                              | 100.0 | 97.7    |
|                 | Ogos             | 97.7                                              | 100.0 | 97.7    |
|                 | Sep              | 97.7                                              | 100.0 | 97.7    |
|                 | Okt              | 97.7                                              | 100.0 | 97.7    |
|                 | Nov              | 97.7                                              | 100.0 | 97.7    |
|                 | Dis              | 97.7                                              | 100.0 | 97.7    |

**Jadual 2: Indeks harga seunit bagi switchgears***Table 2: Unit price index for switchgears***(Julai 2017=100)***(July 2017=100)*

| Item/<br>Item                                                               | Tempoh<br>Period | Kawasan<br>Region                                 |       |         |
|-----------------------------------------------------------------------------|------------------|---------------------------------------------------|-------|---------|
|                                                                             |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak |
| 2 Switchgears                                                               |                  |                                                   |       |         |
| 2.1 Switchgears (above 1kV)                                                 | 2022 Dis         | 100.0                                             | 153.4 | 100.0   |
|                                                                             | 2023 Jan         | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Feb              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Mac              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Apr              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Mei              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Jun              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Jul              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Ogos             | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Sep              | 100.0                                             | 153.4 | 100.0   |
|                                                                             | Okt              | 100.0                                             | 159.1 | 100.0   |
|                                                                             | Nov              | 100.0                                             | 161.0 | 100.0   |
|                                                                             | Dis              | 100.0                                             | 153.8 | 100.0   |
| 2.2 LV Switchboards<br>(Incomer breaker 600A<br>and above)                  | 2022 Dis         | 152.9                                             | 124.9 | 100.2   |
|                                                                             | 2023 Jan         | 152.9                                             | 127.3 | 100.2   |
|                                                                             | Feb              | 152.9                                             | 128.4 | 100.2   |
|                                                                             | Mac              | 153.1                                             | 133.0 | 100.2   |
|                                                                             | Apr              | 154.0                                             | 133.2 | 100.2   |
|                                                                             | Mei              | 153.9                                             | 133.2 | 100.2   |
|                                                                             | Jun              | 153.9                                             | 133.3 | 100.2   |
|                                                                             | Jul              | 153.9                                             | 133.3 | 100.2   |
|                                                                             | Ogos             | 155.9                                             | 134.2 | 100.2   |
|                                                                             | Sep              | 155.7                                             | 135.4 | 100.2   |
|                                                                             | Okt              | 156.0                                             | 134.8 | 100.2   |
|                                                                             | Nov              | 156.5                                             | 134.8 | 100.2   |
|                                                                             | Dis              | 156.3                                             | 134.8 | 100.2   |
| 2.3 LV Switchboards and Sub<br>Switchboards (Incomer breaker<br>below 600A) | 2022 Dis         | 152.9                                             | 124.9 | 100.2   |
|                                                                             | 2023 Jan         | 152.9                                             | 127.3 | 100.2   |
|                                                                             | Feb              | 152.9                                             | 128.4 | 100.2   |
|                                                                             | Mac              | 153.1                                             | 133.0 | 100.2   |
|                                                                             | Apr              | 154.0                                             | 133.2 | 100.2   |
|                                                                             | Mei              | 153.9                                             | 133.2 | 100.2   |
|                                                                             | Jun              | 153.9                                             | 133.3 | 100.2   |
|                                                                             | Jul              | 153.9                                             | 133.3 | 100.2   |
|                                                                             | Ogos             | 155.9                                             | 134.2 | 100.2   |
|                                                                             | Sep              | 155.7                                             | 135.4 | 100.2   |
|                                                                             | Okt              | 156.0                                             | 134.8 | 100.2   |
|                                                                             | Nov              | 156.5                                             | 134.8 | 100.2   |
|                                                                             | Dis              | 156.3                                             | 134.8 | 100.2   |

**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)*

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item                                                                               | Tempoh<br>Period | Kawasan<br>Region                                 |       |                    |
|---------------------------------------------------------------------------------------------|------------------|---------------------------------------------------|-------|--------------------|
|                                                                                             |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak            |
| 2 Switchgears                                                                               |                  |                                                   |       |                    |
| 2.4 TPN & SPN Distribution Boards<br>(Incomer breaker 100A<br>and below and Feeder Pillars) | 2022 Dis         | 117.6                                             | 113.5 | 125.4 <sup>r</sup> |
|                                                                                             | 2023 Jan         | 117.6                                             | 114.1 | 125.4 <sup>r</sup> |
|                                                                                             | Feb              | 117.6                                             | 114.1 | 125.4              |
|                                                                                             | Mac              | 117.6                                             | 114.1 | 125.4              |
|                                                                                             | Apr              | 117.6                                             | 114.1 | 125.4              |
|                                                                                             | Mei              | 117.6                                             | 114.1 | 125.4              |
|                                                                                             | Jun              | 117.6                                             | 114.1 | 125.4              |
|                                                                                             | Jul              | 117.9                                             | 114.1 | 125.8              |
|                                                                                             | Ogos             | 117.7                                             | 114.1 | 125.8              |
|                                                                                             | Sep              | 117.6                                             | 114.1 | 125.8              |
|                                                                                             | Okt              | 117.8                                             | 114.1 | 125.8              |
|                                                                                             | Nov              | 117.8                                             | 114.1 | 125.8              |
|                                                                                             | Dis              | 117.7                                             | 114.1 | 125.8              |

**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

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item                                    | Tempoh<br>Period | Kawasan<br>Region                                 |       |                   |
|--------------------------------------------------|------------------|---------------------------------------------------|-------|-------------------|
|                                                  |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak           |
| 3 Transformers                                   |                  |                                                   |       |                   |
| 3.1 Cast Resin Transformer                       | 2022 Dis         | 93.6                                              | 100.0 | 93.6              |
|                                                  | 2023 Jan         | 93.6                                              | 100.0 | 93.6              |
|                                                  | Feb              | 93.7 <sup>r</sup>                                 | 100.0 | 93.7 <sup>r</sup> |
|                                                  | Mac              | 93.7                                              | 100.0 | 93.7              |
|                                                  | Apr              | 93.7                                              | 100.0 | 93.7              |
|                                                  | Mei              | 95.6                                              | 100.0 | 95.6              |
|                                                  | Jun              | 96.7                                              | 100.0 | 96.7              |
|                                                  | Jul              | 96.7                                              | 100.0 | 96.7              |
|                                                  | Ogos             | 96.7                                              | 100.0 | 96.7              |
|                                                  | Sep              | 97.2                                              | 100.0 | 97.2              |
|                                                  | Okt              | 100.3                                             | 100.0 | 100.3             |
|                                                  | Nov              | 100.9                                             | 100.0 | 100.9             |
|                                                  | Dis              | 100.9                                             | 100.0 | 100.9             |
| 3.2 Hermetically Sealed (oil filled) Transformer | 2022 Dis         | 102.2                                             | 102.1 | 102.2             |
|                                                  | 2023 Jan         | 102.2                                             | 102.1 | 102.2             |
|                                                  | Feb              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Mac              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Apr              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Mei              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Jun              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Jul              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Ogos             | 102.2                                             | 102.1 | 102.2             |
|                                                  | Sep              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Okt              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Nov              | 102.2                                             | 102.1 | 102.2             |
|                                                  | Dis              | 102.2                                             | 102.1 | 102.2             |

**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*

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item                                  | Tempoh<br>Period | Kawasan<br>Region                                 |       |         |
|------------------------------------------------|------------------|---------------------------------------------------|-------|---------|
|                                                |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak |
| 4 Generators                                   |                  |                                                   |       |         |
| 4.1 Generator Sets Ratings<br>Above 500kVA     | 2022 Dis         | 71.2                                              | 100.0 | 100.0   |
|                                                | 2023 Jan         | 71.2                                              | 100.0 | 100.0   |
|                                                | Feb              | 71.2                                              | 100.0 | 100.0   |
|                                                | Mac              | 71.2                                              | 100.0 | 100.0   |
|                                                | Apr              | 71.2                                              | 100.0 | 100.0   |
|                                                | Mei              | 82.2                                              | 100.0 | 100.0   |
|                                                | Jun              | 84.3                                              | 100.0 | 100.0   |
|                                                | Jul              | 85.2                                              | 100.0 | 100.0   |
|                                                | Ogos             | 85.2                                              | 100.0 | 100.0   |
|                                                | Sep              | 85.2                                              | 100.0 | 100.0   |
|                                                | Okt              | 85.2                                              | 100.0 | 100.0   |
|                                                | Nov              | 85.2                                              | 100.0 | 100.0   |
|                                                | Dis              | 85.2                                              | 100.0 | 100.0   |
| 4.2 Generator Sets Ratings<br>500kVA and below | 2022 Dis         | 100.0                                             | 100.0 | 100.0   |
|                                                | 2023 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   |
|                                                | Nov              | 100.0                                             | 100.0 | 100.0   |
|                                                | Dis              | 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**

(Julai 2017=100)  
(July 2017=100)

| Item/<br>Item                                                                                                                                                        | Tempoh<br>Period                                          | Kawasan<br>Region                                 |       |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|-------|---------|
|                                                                                                                                                                      |                                                           | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah | Sarawak |
| 5 Lightning Protection System & Earthing System                                                                                                                      |                                                           |                                                   |       |         |
| 5.1 Lightning Protection System                                                                                                                                      | 2022 Dis                                                  | 110.7                                             | 127.8 | 161.6   |
|                                                                                                                                                                      | 2023 Jan                                                  | 110.7                                             | 128.5 | 161.6   |
|                                                                                                                                                                      | Feb                                                       | 110.7                                             | 129.8 | 161.6   |
|                                                                                                                                                                      | Mac                                                       | 111.1                                             | 129.8 | 161.6   |
|                                                                                                                                                                      | Apr                                                       | 111.1                                             | 130.2 | 161.6   |
|                                                                                                                                                                      | Mei                                                       | 111.1                                             | 130.2 | 161.6   |
|                                                                                                                                                                      | Jun                                                       | 110.0                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Jul                                                       | 108.4                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Ogos                                                      | 107.4                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Sep                                                       | 106.3                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Okt                                                       | 106.3                                             | 129.2 | 161.6   |
|                                                                                                                                                                      | Nov                                                       | 106.3                                             | 129.2 | 161.6   |
|                                                                                                                                                                      | Dis                                                       | 106.3                                             | 130.8 | 161.6   |
| 5.2 Earthing System                                                                                                                                                  | 2022 Dis                                                  | 110.7                                             | 127.8 | 161.6   |
| 5.2.i Earthing System for Switchgears (above 1kV), Transformers, LV Switchboards and Sub Switchboards, Generator Sets, Feeder Pillars and Traffic Lights Controllers | 2023 Jan                                                  | 110.7                                             | 128.5 | 161.6   |
|                                                                                                                                                                      | Feb                                                       | 110.7                                             | 129.8 | 161.6   |
|                                                                                                                                                                      | Mac                                                       | 111.1                                             | 129.8 | 161.6   |
|                                                                                                                                                                      | Apr                                                       | 111.1                                             | 130.2 | 161.6   |
|                                                                                                                                                                      | Mei                                                       | 111.1                                             | 130.2 | 161.6   |
|                                                                                                                                                                      | Jun                                                       | 110.0                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Jul                                                       | 108.4                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Ogos                                                      | 107.4                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Sep                                                       | 106.3                                             | 128.6 | 161.6   |
|                                                                                                                                                                      | Okt                                                       | 106.3                                             | 129.2 | 161.6   |
|                                                                                                                                                                      | Nov                                                       | 106.3                                             | 129.2 | 161.6   |
|                                                                                                                                                                      | Dis                                                       | 106.3                                             | 130.8 | 161.6   |
|                                                                                                                                                                      | 5.2.ii Earthing System for Distribution Boards and others | 2022 Dis                                          | 110.7 | 127.8   |
| 2023 Jan                                                                                                                                                             |                                                           | 110.7                                             | 128.5 | 161.6   |
| Feb                                                                                                                                                                  |                                                           | 110.7                                             | 129.8 | 161.6   |
| Mac                                                                                                                                                                  |                                                           | 111.1                                             | 129.8 | 161.6   |
| Apr                                                                                                                                                                  |                                                           | 111.1                                             | 130.2 | 161.6   |
| Mei                                                                                                                                                                  |                                                           | 111.1                                             | 130.2 | 161.6   |
| Jun                                                                                                                                                                  |                                                           | 110.0                                             | 128.6 | 161.6   |
| Jul                                                                                                                                                                  |                                                           | 108.4                                             | 128.6 | 161.6   |
| Ogos                                                                                                                                                                 |                                                           | 107.4                                             | 128.6 | 161.6   |
| Sep                                                                                                                                                                  |                                                           | 106.3                                             | 128.6 | 161.6   |
| Okt                                                                                                                                                                  |                                                           | 106.3                                             | 129.2 | 161.6   |
| Nov                                                                                                                                                                  |                                                           | 106.3                                             | 129.2 | 161.6   |
| Dis                                                                                                                                                                  |                                                           | 106.3                                             | 130.8 | 161.6   |

**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*

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item             | Tempoh<br>Period | Kawasan<br>Region                                 |                       |       |
|---------------------------|------------------|---------------------------------------------------|-----------------------|-------|
|                           |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah<br>&<br>Sarawak |       |
| 6 Air Conditioning System |                  |                                                   |                       |       |
| 6.1 Water Cooled Chiller  | 2022             | Dis                                               | 100.0                 | 100.0 |
|                           | 2023             | 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 |
|                           |                  | Nov                                               | 100.0                 | 100.0 |
|                           |                  | Dis                                               | 100.0                 | 100.0 |
| 6.2 Air Cooled Chiller    | 2022             | Dis                                               | 100.0                 | 100.0 |
|                           | 2023             | 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 |
|                           |                  | Nov                                               | 100.0                 | 100.0 |
|                           |                  | Dis                                               | 100.0                 | 100.0 |
| 6.3 Water Cooled Package  | 2022             | Dis                                               | 100.0                 | 100.0 |
|                           | 2023             | 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 |
|                           |                  | Nov                                               | 100.0                 | 100.0 |
|                           |                  | Dis                                               | 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)*

**(Julai 2017=100)**

*(July 2017=100)*

| Item/<br>Item             | Tempoh<br>Period                  | Kawasan<br>Region                                 |                       |       |
|---------------------------|-----------------------------------|---------------------------------------------------|-----------------------|-------|
|                           |                                   | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah<br>&<br>Sarawak |       |
| 6 Air Conditioning System |                                   |                                                   |                       |       |
| 6.4 Air Cooled Package    | 2022                              | Dis                                               | 100.0                 | 100.0 |
|                           | 2023                              | 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 |
|                           |                                   | Nov                                               | 100.0                 | 100.0 |
|                           |                                   | Dis                                               | 100.0                 | 100.0 |
| 6.5 Split Unit System     | 2022                              | Dis                                               | 100.0                 | 100.0 |
| 6.5.i Wall Mounted        | 2023                              | 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 |
|                           |                                   | Nov                                               | 100.0                 | 100.0 |
|                           |                                   | Dis                                               | 100.0                 | 100.0 |
|                           | 6.5.ii Ceiling Cassette / Mounted | 2022                                              | Dis                   | 100.0 |
| 2023                      |                                   | 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 |
|                           |                                   | Nov                                               | 100.0                 | 100.0 |
|                           |                                   | Dis                                               | 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)*

**(Julai 2017=100)**

*(July 2017=100)*

| Item/<br>Item             | Tempoh<br>Period | Kawasan<br>Region                                 |                       |
|---------------------------|------------------|---------------------------------------------------|-----------------------|
|                           |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah<br>&<br>Sarawak |
| 6 Air Conditioning System |                  |                                                   |                       |
| 6.6 VRV System            | 2022 Dis         | 100.0                                             | 100.0                 |
| 6.6.i Indoor              | 2023 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                 |
|                           | Nov              | 100.0                                             | 100.0                 |
|                           | Dis              | 100.0                                             | 100.0                 |
| 6.6.ii Outdoor            | 2022 Dis         | 100.0                                             | 100.0                 |
|                           | 2023 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                 |
|                           | Nov              | 100.0                                             | 100.0                 |
|                           | Dis              | 100.0                                             | 100.0                 |

**Jadual 7: Indeks harga seunit bagi motor (pumpset)**

*Table 7: Unit price index for motor (pumpset)*

(Julai 2017=100)

(July 2017=100)

| Item/<br>Item            | Tempoh<br>Period | Kawasan<br>Region                                 |                       |
|--------------------------|------------------|---------------------------------------------------|-----------------------|
|                          |                  | Semenanjung<br>Malaysia<br>Peninsular<br>Malaysia | Sabah<br>&<br>Sarawak |
| 7 Motor (Pumpset)        |                  |                                                   |                       |
| 7.1 Condenser Water Pump | 2022 Dis         | 100.0                                             | 100.0                 |
|                          | 2023 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                 |
|                          | Nov              | 100.0                                             | 100.0                 |
|                          | Dis              | 100.0                                             | 100.0                 |
| 7.2 Chilled Water Pump   | 2022 Dis         | 100.0                                             | 100.0                 |
|                          | 2023 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                 |
|                          | Nov              | 100.0                                             | 100.0                 |
|                          | Dis              | 100.0                                             | 100.0                 |
| 7.3 Hose Reel Pump       | 2022 Dis         | 100.0                                             | 100.0                 |
|                          | 2023 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                 |
|                          | Nov              | 100.0                                             | 100.0                 |
|                          | Dis              | 100.0                                             | 100.0                 |

**NOTA TEKNIKAL**  
*TECHNICAL NOTES*

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**Nota teknikal Indeks Kos Komponen Kerja-kerja  
Mekanikal dan Elektrikal (M&E)  
(Julai 2017=100)**

**Technical notes on Component Cost Index of the  
Mechanical and Electrical  
Works (M&E) (July 2017=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 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 Julai 2018, Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal adalah berasaskan kepada tahun asas yang telah disemak semula, Julai 2017=100 (Tahun asas sebelumnya: Julai 2012=100).
  4. Bagi kontrak-kontrak yang telah ditandatangani sebelum Julai 2018, 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 Julai 2018 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.
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 July 2018, the Index of Mechanical and Electrical Works Component Cost is based on the revised base year, July 2017=100 (Previous base: July 2012=100).*
  4. *For contracts signed before July 2018, 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 July 2018 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<br>Component                                                                                                                                             | Faktor pelarasan mengikut kawasan<br>Adjustment factor by region |        |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------|---------|
|                                                                                                                                                                   | Semenanjung<br>Malaysia                                          | Sabah  | Sarawak |
| <b>(1) Copper Cables</b>                                                                                                                                          |                                                                  |        |         |
| 1.1) Concealed/Surface wiring in conduit (per unit point)                                                                                                         | 1.0438                                                           | 0.9980 | 1.0020  |
| 1.2) Cables in trunking (per meter run)                                                                                                                           | 1.0438                                                           | 0.9980 | 1.0020  |
| 1.3) Cables laid underground (per meter run)                                                                                                                      |                                                                  |        |         |
| i) 120 sq. mm and above                                                                                                                                           | 1.0664                                                           | 1.0503 | 1.0343  |
| ii) Below 120 sq. mm                                                                                                                                              | 1.0500                                                           | 1.0138 | 1.0523  |
| 1.4) Cables on tray/ladder (per meter run)                                                                                                                        |                                                                  |        |         |
| i) 120 sq. mm and above                                                                                                                                           | 1.0664                                                           | 1.0503 | 1.0343  |
| ii) Below 120 sq. mm                                                                                                                                              | 1.0500                                                           | 1.0138 | 1.0523  |
| 1.5) Busduct                                                                                                                                                      | 1.0920                                                           | 0.9750 | 1.0920  |
| <b>(2) Switchgears</b>                                                                                                                                            |                                                                  |        |         |
| 2.1) Switchgears (above 1kV)                                                                                                                                      | 0.9290                                                           | 1.0052 | 1.0000  |
| 2.2) LV Switchboards (Incomer breaker 600A and above)                                                                                                             | 1.1269                                                           | 1.1017 | 1.0000  |
| 2.3) LV Switchboards and Sub Switchboards (Incomer breaker below 600A)                                                                                            | 1.1269                                                           | 1.1017 | 1.0000  |
| 2.4) TPN & SPN Distribution Boards (Incomer breaker 100A and below and Feeder Pillars)                                                                            | 1.0897                                                           | 1.0377 | 1.0680  |
| <b>(3) Transformers</b>                                                                                                                                           |                                                                  |        |         |
| 3.1) Cast Resin Transformer                                                                                                                                       | 0.8624                                                           | 0.7640 | 0.8624  |
| 3.2) Hermetically Sealed (Oil filled) Transformer                                                                                                                 | 1.0855                                                           | 0.9340 | 1.0855  |
| <b>(4) Generators</b>                                                                                                                                             |                                                                  |        |         |
| 4.1) Generator Sets Ratings Above 500kVA                                                                                                                          | 1.0200                                                           | 1.0330 | 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                                                                                                                                  | 1.1822                                                           | 1.1555 | 1.0693  |
| 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. | 1.1822                                                           | 1.1555 | 1.0693  |
| ii) Earthing System for Distribution Boards and others                                                                                                            | 1.1822                                                           | 1.1555 | 1.0693  |

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

| Komponen<br><i>Component</i>       | Faktor pelarasan mengikut kawasan<br><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                          | 0.9840                                                                  | 0.9580          |
| ii) Outdoor                        | 0.9790                                                                  | 0.9760          |
| <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  
(Disember 2012=100) dengan menggunakan in-  
deks baru M&E  
(Julai 2017=100)**

Contoh mengira indeks lama *Busduct* bagi bulan  
Julai 2018 untuk kawasan Semenanjung Malaysia  
adalah seperti berikut:

$I^j$  lama Julai 2018 = FP (seperti di **Lampiran A**) x  $I^j$   
baru Julai 2018

iaitu, indeks lama Julai 2018:  
= 1.0920 x 100.0  
= 109.2

di mana,

FP = Faktor Pelarasan

$I^j$  = Indeks bagi kategori bangunan j

j = 1, ..... 8

**Example for calculating the old M&E index  
(December 2012=100) using the new M&E index  
(July 2017=100)**

Example for calculating the old index of *Busduct* for  
the month of July 2018 for Peninsular Malaysia is  
as follows:

Old  $I^j$  for July 2018 = AF (as in **Appendix A**) x new  
 $I^j$  for July 2018

i.e. old index for July 2018:  
= 1.0920 x 100.0  
= 109.2

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, 2023**  
*Scheduled Release Dates for Special Release 3*  
*(For Mechanical and Electrical Works), Malaysia, 2023*

| <b>Tahun</b><br><i>Year</i> | <b>Bulan Rujukan</b><br><i>Reference Month</i> | <b>Tahun</b><br><i>Year</i> | <b>Tarikh Pengumuman</b><br><i>Release Date</i> |
|-----------------------------|------------------------------------------------|-----------------------------|-------------------------------------------------|
| <b>2023</b>                 | <b>Januari</b><br><i>January</i>               | <b>2023</b>                 | <b>07 Februari</b><br><i>07 February</i>        |
|                             | <b>Februari</b><br><i>February</i>             |                             | <b>10 Mac</b><br><i>10 March</i>                |
|                             | <b>Mac</b><br><i>March</i>                     |                             | <b>07 April</b><br><i>07 April</i>              |
|                             | <b>April</b><br><i>April</i>                   |                             | <b>09 Mei</b><br><i>09 May</i>                  |
|                             | <b>Mei</b><br><i>May</i>                       |                             | <b>09 Jun</b><br><i>09 Jun</i>                  |
|                             | <b>Jun</b><br><i>June</i>                      |                             | <b>11 Julai</b><br><i>11 July</i>               |
|                             | <b>Julai</b><br><i>July</i>                    |                             | <b>08 Ogos</b><br><i>08 August</i>              |
|                             | <b>Ogos</b><br><i>August</i>                   |                             | <b>08 September</b><br><i>08 September</i>      |
|                             | <b>September</b><br><i>September</i>           |                             | <b>11 Oktober</b><br><i>11 October</i>          |
|                             | <b>Oktober</b><br><i>October</i>               |                             | <b>08 November</b><br><i>08 November</i>        |
|                             | <b>November</b><br><i>November</i>             |                             | <b>08 Disember</b><br><i>08 December</i>        |
|                             | <b>Disember</b><br><i>December</i>             | <b>2024</b>                 | <b>11 Januari</b><br><i>11 January</i>          |