



**MALAYSIA**

**SIARAN KHAS** **3**  
*Special Release*

**(UNTUK KERJA-KERJA MEKANIKAL DAN  
ELEKTRIKAL)**

*(For Mechanical and Electrical Works)*

**JULAI** **2016**  
*JULY*

**JABATAN PERANGKAAN MALAYSIA**  
*DEPARTMENT OF STATISTICS, MALAYSIA*

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**JADUAL**  
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**Jadual 1: Indeks harga seunit bagi copper cables**

Table 1: Unit price index for copper cables

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(1) Copper Cables</b>				
1.1) <i>Concealed/Surface wiring using G.I conduit (per unit point)</i>	2015 Jul	99.6	99.7	95.8
	Ogos	100.0	99.7	95.8
	Sept	102.2	99.7	96.3
	Okt	101.8	99.7	96.2
	Nov	101.4	99.7	96.1
	Dis	100.5	99.7	95.8
	2016 Jan	100.7	99.7	95.9
	Feb	100.1	99.7	95.9
	Mac	99.1	99.7	95.5
	Apr	99.2	99.7	95.6
	Mei	99.5	99.7	95.7
	Jun	98.9	99.7	95.4
	Jul	100.1	99.7	95.8
	1.2) <i>Cables in galvanized trunking (per meter run)</i>	2015 Jul	99.6	99.7
Ogos		100.0	99.7	95.8
Sept		102.2	99.7	96.3
Okt		101.8	99.7	96.2
Nov		101.4	99.7	96.1
Dis		100.5	99.7	95.8
2016 Jan		100.7	99.7	95.9
Feb		100.1	99.7	95.9
Mac		99.1	99.7	95.5
Apr		99.2	99.7	95.6
Mei		99.5	99.7	95.7
Jun		98.9	99.7	95.4
Jul		100.1	99.7	95.8
1.3) <i>Cables laid underground (per meter run) (i) 120 sq. mm and above</i>		2015 Jul	100.1	99.7
	Ogos	101.8	101.1	99.1
	Sept	104.9	103.8	101.7
	Okt	105.4	104.2	102.0
	Nov	104.4	103.3	101.2
	Dis	102.4	101.7	99.6
	2016 Jan	102.8	102.1	100.0
	Feb	101.1	100.7	98.7
	Mac	99.8	99.8	97.7
	Apr	99.3	99.5	97.4
	Mei	100.0	100.0	98.0
	Jun	99.1	99.3	97.3
	Jul	100.5	100.4	98.3

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

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

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(1) Copper Cables</b>				
1.3) Cables laid underground (per meter run) ii) Below 120 sq. mm	2015 Jul	100.2	98.6	99.5
	Ogos	100.9	98.9	99.8
	Sept	103.2	99.8	101.0
	Okt	103.2	99.9	101.1
	Nov	102.6	99.6	100.7
	Dis	101.4	99.0	100.0
	2016 Jan	101.8	99.2	100.2
	Feb	100.8	98.7	99.7
	Mac	99.9	98.4	99.3
	Apr	99.7	99.5 <sup>1</sup>	99.2
	Mei	100.1	98.5	99.4
	Jun	99.6	98.3	99.1
	Jul	100.7	98.6	99.8
	1.4) Cables on tray/ladder (per meter run) i) 120 sq. mm and above	2015 Jul	100.1	99.7
Ogos		101.8	101.1	99.1
Sept		104.9	103.8	101.7
Okt		105.4	104.2	102.0
Nov		104.4	103.3	101.2
Dis		102.4	101.7	99.6
2016 Jan		102.8	102.1	100.0
Feb		101.1	100.7	98.7
Mac		99.8	99.8	97.7
Apr		99.3	99.5	97.4
Mei		100.0	100.0	98.0
1.4) Cables on tray/ladder (per meter run) ii) Below 120 sq. mm	2015 Jul	100.2	98.6	99.5
	Ogos	100.9	98.9	99.8
	Sept	103.2	99.8	101.0
	Okt	103.2	99.9	101.1
	Nov	102.6	99.6	100.7
	Dis	101.4	99.0	100.0
	2016 Jan	101.8	99.2	100.2
	Feb	100.8	98.7	99.7
	Mac	99.9	98.4	99.3
	Apr	99.7	98.3	99.2
	Mei	100.1	98.5	99.4
Jun	99.6	98.3	99.1	
Jul	100.7	98.6	99.8	

**Jadual 1: Indeks harga seunit bagi copper cables (samb.)***Table 1: Unit price index for copper cables (cont'd)***(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(1) Copper Cables</b>				
1.5) <i>Busduct</i>	2015 Jul	109.9	97.5	109.9
	Ogos	109.2	97.5	109.2
	Sept	109.2	97.5	109.2
	Okt	109.2	97.5	109.2
	Nov	109.2	97.5	109.2
	Dis	109.2	97.5	109.2
	2016 Jan	109.2	97.5	109.2
	Feb	109.2	97.5	109.2
	Mac	109.2	97.5	109.2
	Apr	109.2	97.5	109.2
	Mei	109.2	97.5	109.2
	Jun	109.2	97.5	109.2
	Jul	109.2	97.5	109.2

r = Kemaskini/*Revised*

**Jadual 2: Indeks harga seunit bagi switchgears**

Table 2: Unit price index for switchgears

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(2) Switchgears</b>				
<b>2.1) HT Switchgears</b>				
	2015 Jul	92.9	100.5	100.0
	Ogos	92.9	100.5	100.0
	Sept	92.9	100.5	100.0
	Okt	92.9	100.5	100.0
	Nov	92.9	100.5	100.0
	Dis	92.9	100.5	100.0
	2016 Jan	92.9	100.5	100.0
	Feb	92.9	100.5	100.0
	Mac	92.9	100.5	100.0
	Apr	92.9	100.5	100.0
	Mei	92.9	100.5	100.0
	Jun	92.9	100.5	100.0
	Jul	92.9	100.5	100.0
<b>2.2) LV Switchboards (Incomer breaker 600A and above)</b>				
	2015 Jul	106.5	113.2	100.0
	Ogos	106.7	113.2	100.0
	Sept	107.0	109.7	100.0
	Okt	107.5	107.3	100.0
	Nov	108.3	107.3	100.0
	Dis	108.3	107.3	100.0
	2016 Jan	108.3	107.3	100.0
	Feb	108.3	107.3	100.0
	Mac	108.8	107.3	100.0
	Apr	108.8	107.3	100.0
	Mei	110.3	107.3	100.0
	Jun	110.3	107.3	100.0
	Jul	110.3	107.3	100.0
<b>2.3) LV Switchboards and Sub Switchboards (Incomer breaker below 600A)</b>				
	2015 Jul	106.5	113.2	100.0
	Ogos	106.7	113.2	100.0
	Sept	107.0	109.7	100.0
	Okt	107.5	107.3	100.0
	Nov	108.3	107.3	100.0
	Dis	108.3	107.3	100.0
	2016 Jan	108.3	107.3	100.0
	Feb	108.3	107.3	100.0
	Mac	108.8	107.3	100.0
	Apr	108.8	107.3	100.0
	Mei	110.3	107.3	100.0
	Jun	110.3	107.3	100.0
	Jul	110.3	107.3	100.0

**Jadual 2: Indeks harga seunit bagi switchgears (samb.)***Table 2: Unit price index for switchgears (cont'd)***(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(2) Switchgears</b>				
2.4) <i>TPN &amp; SPN Distribution Boards (Incomer breaker 100A and below)</i>	2015 Jul	105.4	103.8	107.3
	Ogos	106.2	103.8	107.6
	Sept	107.1	103.8	107.6
	Okt	107.1	103.8	107.6
	Nov	107.1	103.8	107.6
	Dis	107.1	103.8	107.6
	2016 Jan	107.4	103.8	107.6
	Feb	107.4	103.8	107.6
	Mac	108.0	103.8	107.6
	Apr	108.0	103.8	107.6
	Mei	108.5	103.8	107.6
	Jun	108.5	103.8	107.6
	Jul	108.5	103.8	107.6

**Jadual 3: Indeks harga seunit bagi transformers**

Table 3: Unit price index for transformers

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(3) Transformers</b>				
<b>3.1) Low loss cast resin transformer</b>				
	2015 Jul	80.7	76.4	80.7
	Ogos	80.6	76.4	80.6
	Sept	81.3	76.4	81.3
	Okt	85.3	76.4	85.3
	Nov	85.3	76.4	85.3
	Dis	86.1	76.4	86.1
	2016 Jan	86.2	76.4	86.2
	Feb	86.2	76.4	86.2
	Mac	86.2	76.4	86.2
	Apr	86.2	76.4	86.2
	Mei	86.2	76.4	86.2
	Jun	86.2	76.4	86.2
	Jul	86.2	76.4	86.2
<b>3.2) Low loss hermetically sealed (oil filled) transformer</b>				
	2015 Jul	113.2	93.4	113.2
	Ogos	113.1	93.4	113.1
	Sept	113.9	93.4	113.9
	Okt	121.2	93.4	121.2
	Nov	120.5	93.4	120.5
	Dis	120.4	93.4	120.4
	2016 Jan	120.4	93.4	120.4
	Feb	120.4	93.4	120.4
	Mac	120.4	93.4	120.4
	Apr	120.4	93.4	120.4
	Mei	120.4	93.4	120.4
	Jun	120.4	93.4	120.4
	Jul	120.4	93.4	120.4

**Jadual 4: Indeks harga seunit bagi generators**

Table 4: Unit price index for generators

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(4) Generators</b>				
4.1) <i>Generator Ratings Above 500kVA</i>	2015 Jul	100.0	101.8	100.0
	Ogos	100.0	101.8	100.0
	Sept	100.0	103.3	100.0
	Okt	100.0	103.3	100.0
	Nov	100.0	103.3	100.0
	Dis	100.0	103.3	100.0
	2016 Jan	100.0	103.3	100.0
	Feb	100.0	103.3	100.0
	Mac	100.0	103.3	100.0
	Apr	100.0	103.3	100.0
	Mei	100.0	103.3	100.0
	Jun	100.0	103.3	100.0
	Jul	100.0	103.3	100.0
	4.2) <i>Generator Ratings 500kVA and below</i>	2015 Jul	100.0	99.3
Ogos		100.0	99.3	100.0
Sept		100.0	101.5	100.0
Okt		100.0	101.5	100.0
Nov		100.0	101.5	100.0
Dis		100.0	101.5	100.0
2016 Jan		100.0	101.5	100.0
Feb		100.0	101.5	100.0
Mac		100.0	101.5	100.0
Apr		100.0	101.5	100.0
Mei		100.0	101.5	100.0
Jun		100.0	101.5	100.0
Jul		100.0	101.5	100.0

**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 2012=100)

(July 2012=100)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>		
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah	Sarawak
<b>(5) Lightning Protection System &amp; Earthing System</b>				
<b>5.1) Lightning Protection System</b>	<b>2015 Jul</b>	109.1	111.6	107.0
	<b>Ogos</b>	111.7	111.5	107.0
	<b>Sept</b>	114.4	111.5	107.0
	<b>Okt</b>	114.4	111.5	107.0
	<b>Nov</b>	114.4	111.5	107.0
	<b>Dis</b>	114.4	111.5	107.0
	<b>2016 Jan</b>	115.3	111.5	107.0
	<b>Feb</b>	115.3	111.5	107.0
	<b>Mac</b>	115.3	111.5	107.0
	<b>Apr</b>	115.3	111.5	107.0
	<b>Mei</b>	115.3	111.5	107.0
	<b>Jun</b>	115.3	111.5	107.0
	<b>Jul</b>	115.3	111.5	107.0
<b>5.2) Earthing System</b>	<b>2015 Jul</b>	109.1	111.6	107.0
<b>i) Earthing System for Main Switchboards and Sub Switchboards</b>	<b>Ogos</b>	114.4	111.5	107.0
	<b>Sept</b>	114.4	111.5	107.0
	<b>Okt</b>	114.4	111.5	107.0
	<b>Nov</b>	114.4	111.5	107.0
	<b>Dis</b>	114.4	111.5	107.0
	<b>2016 Jan</b>	115.3	111.5	107.0
	<b>Feb</b>	115.3	111.5	107.0
	<b>Mac</b>	115.3	111.5	107.0
	<b>Apr</b>	115.3	111.5	107.0
	<b>Mei</b>	115.3	111.5	107.0
	<b>Jun</b>	115.3	111.5	107.0
	<b>Jul</b>	115.3	111.5	107.0
<b>5.2) Earthing System</b>	<b>2015 Jul</b>	109.1	111.6	107.0
<b>ii) Earthing System for Distribution Boards</b>	<b>Ogos</b>	111.7	111.5	107.0
	<b>Sept</b>	114.4	111.5	107.0
	<b>Okt</b>	114.4	111.5	107.0
	<b>Nov</b>	114.4	111.5	107.0
	<b>Dis</b>	114.4	111.5	107.0
	<b>2016 Jan</b>	115.3	111.5	107.0
	<b>Feb</b>	115.3	111.5	107.0
	<b>Mac</b>	115.3	111.5	107.0
	<b>Apr</b>	115.3	111.5	107.0
	<b>Mei</b>	115.3	111.5	107.0
	<b>Jun</b>	115.3	111.5	107.0
	<b>Jul</b>	115.3	111.5	107.0

**Jadual 6: Indeks harga seunit bagi air conditioning system**

Table 6: Unit price index for air conditioning system

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>	
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah & Sarawak
<b>6. Air Conditioning System</b>			
6.1) <i>Water Cooled Chiller</i>	2015 Jul	100.0	100.0
	Ogos	100.0	100.0
	Sept	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2016 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
	6.2) <i>Air Cooled Chiller</i>	2015 Jul	100.0
Ogos		100.0	100.0
Sept		100.0	100.0
Okt		100.0	100.0
Nov		100.0	100.0
Dis		100.0	100.0
2016 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
6.3) <i>Water Cooled Package</i>		2015 Jul	100.0
	Ogos	100.0	100.0
	Sept	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2016 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

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

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

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>	
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah & Sarawak
<b>6. Air Conditioning System</b>			
<b>6.4) Air Cooled Package</b>			
	2015 Jul	100.0	100.0
	Ogos	100.0	100.0
	Sept	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2016 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
<b>6.5) Split Unit System</b>			
<b>i) Wall Mounted</b>			
	2015 Jul	100.0	100.0
	Ogos	100.0	100.0
	Sept	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2016 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
<b>6.5) Split Unit System</b>			
<b>ii) Ceiling Cassette / Mounted</b>			
	2015 Jul	100.0	100.0
	Ogos	100.0	100.0
	Sept	100.0	100.0
	Okt	100.0	100.0
	Nov	100.0	100.0
	Dis	100.0	100.0
	2016 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

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

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

**(Julai 2012=100)***(July 2012=100)*

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>	
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah & Sarawak
<b>6. Air Conditioning System</b>			
6.6) VRV System i) Indoor	2015 Jul	98.4	95.8
	Ogos	98.4	95.8
	Sept	98.4	95.8
	Okt	98.4	95.8
	Nov	98.4	95.8
	Dis	98.4	95.8
	2016 Jan	98.4	95.8
	Feb	98.4	95.8
	Mac	98.4	95.8
	Apr	98.4	95.8
	Mei	98.4	95.8
	Jun	98.4	95.8
	Jul	98.4	95.8
	6.6) VRV System ii) Outdoor	2015 Jul	97.9
Ogos		97.9	97.6
Sept		97.9	97.6
Okt		97.9	97.6
Nov		97.9	97.6
Dis		97.9	97.6
2016 Jan		97.9	97.6
Feb		97.9	97.6
Mac		97.9	97.6
Apr		97.9	97.6
Mei		97.9	97.6
Jun		97.9	97.6
Jul		97.9	97.6

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

Table 7: Unit price index for motor (pumpset)

(Julai 2012=100)

(July 2012=100)

Item	Tempoh <i>Period</i>	Kawasan <i>Region</i>	
		Semenanjung Malaysia <i>Peninsular Malaysia</i>	Sabah & Sarawak
<b>7. Motor (Pumpset)</b>			
7.1) <i>Condenser Water Pump</i>	2015 Jul	100.8	100.8
	Ogos	100.8	100.8
	Sept	100.8	100.8
	Okt	100.8	100.8
	Nov	100.8	100.8
	Dis	100.8	100.8
	2016 Jan	100.8	100.8
	Feb	100.8	100.8
	Mac	100.8	100.8
	Apr	100.8	100.8
	Mei	100.8	100.8
	Jun	100.8	100.8
	Jul	100.8	100.8
	7.2) <i>Chilled Water Pump</i>	2015 Jul	100.8
Ogos		100.8	100.8
Sept		100.8	100.8
Okt		100.8	100.8
Nov		100.8	100.8
Dis		100.8	100.8
2016 Jan		100.8	100.8
Feb		100.8	100.8
Mac		100.8	100.8
Apr		100.8	100.8
Mei		100.8	100.8
Jun		100.8	100.8
Jul		100.8	100.8
7.3) <i>Hose Reel Pump</i>		2015 Jul	100.6
	Ogos	100.6	100.6
	Sept	100.6	100.6
	Okt	100.6	100.6
	Nov	100.6	100.6
	Dis	100.6	100.6
	2016 Jan	100.6	100.6
	Feb	100.6	100.6
	Mac	100.6	100.6
	Apr	100.6	100.6
	Mei	100.6	100.6
	Jun	100.6	100.6
	Jul	100.6	100.6

**LAMPIRAN**  
*APPENDIX*

**Jadual faktor pelarasan**  
*Adjustment factor table*

Komponen <i>Component</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>		
	Semenanjung Malaysia	Sabah	Sarawak
<b>(1) Copper Cables</b>			
1.1) <i>Concealed/Surface wiring using G.I conduit (per unit point)</i>	1.4353	1.6624	1.5669
1.2) <i>Cables in galvanized trunking (per meter run)</i>	1.4353	1.6624	1.5669
1.3) <i>Cables laid underground (per meter run)</i>			
(i) <i>120 sq. mm and above</i>	1.5288	1.8036	1.6766
(ii) <i>Below 120 sq. mm</i>	1.6653	1.9514	1.8194
1.4) <i>Cables on tray/ladder (per meter run)</i>			
(i) <i>120 sq. mm and above</i>	1.5288	1.8036	1.6766
(ii) <i>Below 120 sq. mm</i>	1.6653	1.9514	1.8194
1.5) <i>Busduct</i>	1.6680	1.5005	1.5420
<b>(2) Switchgears</b>			
2.1) <i>HT Switchgears</i>	1.0183	1.0814	1.1800
2.2) <i>LV Switchboards (Incomer breaker 600A and above)</i>	1.0020	1.2538	1.0160
2.3) <i>LV Switchboards and Sub Switchboards (Incomer breaker below 600A)</i>	1.0020	1.2538	1.0160
2.4) <i>TPN &amp; SPN Distribution Boards (Incomer breaker 100A and below)</i>	1.0060	1.0549	1.0930
<b>(3) Transformers</b>			
3.1) <i>Low loss cast resin transformer</i>	1.4490	1.3613	1.4260
3.2) <i>Low loss hermetically sealed (oil filled) transformer</i>	1.1640	1.2890	1.3390
<b>(4) Generators</b>			
4.1) <i>Generator Ratings Above 500kVA</i>	1.2930	1.3250	1.3580
4.2) <i>Generator Ratings 500kVA and below</i>	1.3140	1.2580	1.3070
<b>(5) Lightning Protection System &amp; Earthing System</b>			
5.1) <i>Lightning Protection System</i>	1.7730	2.0690	1.6713
5.2) <i>Earthing System</i>			
i) <i>Earthing System for Main Switchboards and Sub Switchboards</i>	1.7730	2.0690	1.6713
ii) <i>Earthing System for Distribution Boards</i>	1.7730	2.0690	1.6713

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

Komponen <i>Component</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>	
	Semenanjung Malaysia	Sabah & Sarawak
<b>(6) Air Conditioning System</b>		
6.1) <i>Water Cooled Chiller</i>	1.1220	1.2230
6.2) <i>Air Cooled Chiller</i>	1.2900	1.3560
6.3) <i>Water Cooled Package</i>	1.0850	1.1630
6.4) <i>Air Cooled Package</i>	1.0760	1.1550
6.5) <i>Split Unit System</i>		
<i>i) Wall Mounted</i>	1.0620	1.1580
<i>ii) Ceiling Cassette / Mounted</i>	1.0110	1.0740
6.6) <i>VRV System</i>		
<i>i) Indoor</i>	1.0230	1.0510
<i>ii) Outdoor</i>	1.1760	1.2130
<b>(7) Motor (Pumpset)</b>		
7.1) <i>Condenser Water Pump</i>	1.2780	1.3650
7.2) <i>Chilled Water Pump</i>	1.6120	1.4890
7.3) <i>Hose Reel Pump</i>	1.2040	1.1940

**Contoh pengiraan indeks lama M&E  
(Disember 2007=100) dengan  
menggunakan indeks baru M&E  
(Julai 2012=100)**

Contoh mengira indeks lama *Busduct* bagi bulan Januari 2013 untuk kawasan Semenanjung Malaysia adalah seperti berikut:

$$\begin{aligned}
 {}^j I \text{ lama Januari 2013} &= FP \text{ (seperti di Lampiran A)} \times {}^j I \text{ baru Januari 2013} \\
 \text{iaitu, indeks lama Januari 2013} \\
 &= 1.6680 \times 100.0 \\
 &= 166.8000 \\
 &= 166.8
 \end{aligned}$$

di mana,

FP = Faktor Pelarasan

${}^j I$  = Indeks bagi kategori bangunan  $j$

$j = 1, \dots, 8$

***Example for calculating the old M&E  
index (December 2007=100) using the  
new M&E index (July 2012=100)***

*Example for calculating the old index of Busduct for the month of January 2013 for Peninsular Malaysia is as follows:*

$$\begin{aligned}
 \text{Old } {}^j I \text{ for January 2013} &= AF \text{ (as in Appendix A)} \times \text{new } {}^j I \text{ for January 2013} \\
 \text{i.e. old index for January 2013} \\
 &= 1.6680 \times 100.0 \\
 &= 166.8000 \\
 &= 166.8
 \end{aligned}$$

where,

AF = Adjustment Factor

${}^j I$  = Index for building category  $j$

$j = 1, \dots, 8$

**NOTA TEKNIKAL**  
*TECHNICAL NOTES*

**Nota teknikal Indeks Kos Komponen  
Kerja-kerja Mekanikal dan Elektrikal (M&E)  
(Julai 2012=100)**

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.

Spesifikasi untuk komponen mekanikal dan elektrikal terpilih disediakan 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.

Mulai penerbitan Januari 2013, Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal adalah berasaskan kepada tahun asas yang ditukar daripada (Disember 2007=100) kepada (Julai 2012=100).

Bagi kontrak-kontrak yang telah ditandatangani sebelum Januari 2013, sila lihat 'Jadual faktor pelarasan' (Lampiran A) dan 'Contoh mengira Indeks Lama Kos Bahan Binaan Bangunan' (Lampiran B) untuk panduan dalam Pelaksanaan Syarat Perubahan Harga. Bagi kontrak-kontrak mulai Januari 2013 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.

**Technical notes on Component Cost Index  
of the Mechanical and Electrical  
Works (M&E)  
(July 2012=100)**

*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.*

*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 mechanical components, the prices are obtained from the suppliers.*

*Starting from January 2013 publication, the Component Cost Index of the Mechanical and Electrical Works is based on the revised base year which has been changed from (December 2007=100) to (July 2012=100).*

*For contracts signed before January 2013, please refer to the 'Adjustment factor table' (Appendix A) and the 'Example for calculating the Old Building Materials Cost Index' (Appendix B) for the implementation of the Variation of Price. For contracts commencing January 2013 and thereafter, the new index is to be used without any further adjustment.*

**Jadual tarikh pengeluaran Siaran Khas 3 (Untuk Kerja-Kerja Mekanikal dan Elektrikal), Malaysia, Januari - Disember 2016**

*Schedule Of Release Dates For Special Release 3 (For Mechanical And Electrical Works), Malaysia, January - December 2016*

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<b>Bulan Rujukan</b> <i>Reference Month</i>	<b>Tarikh</b> <i>Date</i>
<b>Januari 2016</b> <i>January 2016</i>	<b>10 Februari 2016</b> <i>10 February 2016</i>
<b>Februari 2016</b> <i>February 2016</i>	<b>10 Mac 2016</b> <i>10 March 2016</i>
<b>Mac 2016</b> <i>March 2016</i>	<b>11 April 2016</b> <i>11 April 2016</i>
<b>April 2016</b> <i>April 2016</i>	<b>10 Mei 2016</b> <i>10 May 2016</i>
<b>Mei 2016</b> <i>May 2016</i>	<b>10 Jun 2016</b> <i>10 June 2016</i>
<b>Jun 2016</b> <i>June 2016</i>	<b>11 Julai 2016</b> <i>11 July 2016</i>
<b>Julai 2016</b> <i>July 2016</i>	<b>10 Ogos 2016</b> <i>10 August 2016</i>
<b>Ogos 2016</b> <i>August 2016</i>	<b>09 September 2016</b> <i>09 September 2016</i>
<b>September 2016</b> <i>September 2016</i>	<b>10 Oktober 2016</b> <i>10 October 2016</i>
<b>Oktober 2016</b> <i>October 2016</i>	<b>10 November 2016</b> <i>10 November 2016</i>
<b>November 2016</b> <i>November 2016</i>	<b>09 Disember 2016</b> <i>09 December 2016</i>
<b>Disember 2016</b> <i>December 2016</i>	<b>10 Januari 2017</b> <i>10 January 2017</i>

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