

**SECTION 9.0 SCHEDULE OF RATES**

- 1) General description of work and materials shall be as stated in the appropriate section of the Conditions of Contract and the Specification.
- 2) The rates shall be subject to:
 - (a) Agreement with the Pengarah Kerja Raya (Cawangan Kejuruteraan Mekanikal) as to their reasonableness; and
 - (b) Subject to such agreement, shall they be used as the basis of progress payments and as Schedule of Rates for calculating the cost of any variations which may be ordered in accordance with the terms of Contract. (All prices listed in this Schedule of Rates are inclusive of all existing Government duties and taxes.)

9.1 AIR COOLED SPLIT DUCTED SYSTEM

Item (Type)	Nominal Capacity (TR)	Model	Manuf.	Cooling Capacity	Air Quantity (cfm)	Unit rate (RM)
PRE- COOLED UNIT	8					

9.2 REFRIGERANT PIPE

The price quoted per metre run including 1" insulation, pipe fittings, hangers, supports and painting but excluding valves, etc.

Pipe Size	Price Per Metre Run
16 mm diameter.	RM
20 mm diameter.	RM
25 mm diameter.	RM
30 mm diameter.	RM

9.3 PRE INSULATED REFRIGERANT PIPE

The price quoted per metre run including 1" insulation, pipe fittings, hangers, supports and painting but excluding valves, etc.

Pipe Size	Price Per Metre Run
16 mm diameter.	RM
20 mm diameter.	RM
25 mm diameter.	RM
30 mm diameter.	RM



9.4 REFRIGERANT PIPE FITTINGS

Size	Gate	Globe	Check	Strainers	Solenoid
Less 25 mm					
26 – 38					
39 – 50					
More 50					
Brand					

9.5 DUCTWORK

The price quoted shall be per sq. ft. of duct surface installed, including hangers, brackets, vapour foils, etc.

Galvanised Iron

Longest Side (Inches)	Price per sq.ft. (RM)				
	Bare Duct	Ductwork with 1"external insulation	Ductwork with 1" external insulation	Ductwork with 1" external and internal insulation	Ductwork with 2" external insulation
Up to 18"					
19 - 30"					
31 - 42"					
43 - 54"					
55 - 60"					
61 - 84"					
85 - 96"					
above 96"					

Aluminium

Longest Side (Inches)	Price per sq.ft. (RM)				
	Bare Duct	Ductwork with 1"external insulation	Ductwork with 1" external insulation	Ductwork with 1" external and internal insulation	Ductwork with 2" external insulation
Up to 18"					
19 - 30"					
31 - 42"					



43 - 54"					
55 - 60"					
61 - 84"					
85 - 96"					
above 96"					

Pre-Fabricated Duct

Longest Side (Inches)	Price per sq.ft. (RM)				
	Bare Duct	Ductwork with 20mm thickness insulation	Ductwork with 20mm thickness and 5m length PU internal insulation	Ductwork with 30mm thickness insulation	Ductwork with 30mm thickness and 5m length PU internal insulation
Up to 18"					
19 - 30"					
31 - 42"					
43 - 54"					
55 - 60"					
61 - 84"					
85 - 96"					
above 96"					

9.6 AIR DIFFUSERS & GRILLES

The price quoted shall be per sq. ft. of face area of the air grilles installed.

Directional	With Damper (RM)		Without Damper (RM)	
	Sheet Metal	Aluminium G.16	Sheet Metal	Aluminium G.16
Supply Air Diffuser (Jet Type)				
Supply Air Diffuser (Rectangular)				
Supply Air Register				
Supply Air Grille				



Supply Air Diffuser (Round)				
Return Air Grille (Rectangular)				
Return Air Grille (Round)				

2 slot Linear Type 1200mm (24")	With Damper (RM)		Without Damper (RM)	
	Sheet Metal	Aluminium G.16	Sheet Metal	Aluminium G.16
Supply diffuser				
Return air grille				

9.8 DRAIN PIPE

Nominal Pipe Diameter	Drain Pipe	
	With Insulation	Without Insulation
25 mm	RM	RM
40 mm	RM	RM
50 mm	RM	RM
65 mm	RM	RM
80 mm	RM	RM
100 mm	RM	RM

9.9 VENTILATION

Fan Capacity (cfm)	Price Per Unit (RM)
Centrifugal Cabinet Fan - 30,000	
Centrifugal Cabinet Fan - 26,000	
HEPA Filter	
Carbon Filter	
Washable Filter	

**9.10 ACCESSORIES AND OTHERS**

Item	Installed Price Per Unit
Gooseneck Microphone	RM
Headphone	RM
Fixed Lens Camera	RM
40" LED Monitor	RM
21" LED Monitor	RM
500 x 250 x 250mm Rubber Block	RM
500 x 500 x 25mm Rubber Tiles	RM
CO ² Sensor	RM
Pressure Differential Sensing Device	RM
Speaker	RM
Acoustic Ceiling	RM
Inverter Unit	RM
28W T5 Fluorescent Light (Dimmable)	RM
28W T5 Fluorescent Light (Normal)	RM
15W Fluorescent Light (Normal)	RM

Per meter run of Mild Steel 4mm thick	RM
Per meter run of Mild Steel 6mm thick	RM
Per meter run of Mild Steel 10mm thick	RM
Premium Rubber Curtain 3000 x 1200 x 10mm	RM
Premium Rubber Curtain 3000 x 600 x 6mm	RM
Silencer as specified	RM
Per meter run of wiring and GI conduit (above ground)	RM
Per meter run of wiring and GI conduit (underground)	RM
Per square meter area of fire damper	RM



9.11 CABLE (UNIT RATE AT PER METER RUN)

Description	Unit Rate Per Meter run
2 x 2.5 sq mm PVC cable	RM
2 x 4 sq mm PVC cable	RM
2 x 6 sq mm PVC cable	RM
2 x 10 sq mm PVC cable	RM
2 x 16 sq mm PVC cable	RM
2 x 25 sq mm PVC cable	RM
2 x 35 sq mm PVC cable	RM
2 x 50 sq mm PVC cable	RM
4 x 2.5 sq mm PVC cable	RM
4 x 4 sq mm PVC cable	RM
4 x 6 sq mm PVC cable	RM
4 x 10 sq mm PVC cable	RM
4 x 16 sq mm PVC cable	RM
4 x 25 sq mm PVC cable	RM
4 x 35 sq mm PVC cable	RM
4 x 50 sq mm PVC cable	RM
4 x 70 sq mm PVC cable	RM
4 x 95 sq mm PVC cable	RM
4 x 120 sq mm PVC cable	RM
10 sq mm, 3-core PVC/SWA/ PVC cable	RM
16 sq mm, 3-core PVC/SWA/ PVC cable	RM



25 sq mm, 3-core PVC/SWA/ PVC cable	RM
35 sq mm, 3-core PVC/SWA/ PVC cable	RM
50 sq mm, 3-core PVC/SWA/ PVC cable	RM
70 sq mm, 3-core PVC/SWA/ PVC cable	RM
95 sq mm, 3-core PVC/SWA/ PVC cable	RM

9.12 SERVICE AND MAINTENANCE RATES

The following Schedules of Rates for supply of consumable items shall be applicable and shall held good the full duration of the service and maintenance contract.

Description	Price
Price per rubber block (500 x 500 x 250 mm, 1200kg/m ³)	RM
Price per rubber curtain (350 x 2800 x 10 mm)	RM
Price per rubber curtain (350 x 2800 x 6 mm)	RM
Price per rubber tile (500 x 500 x 25 mm, 1200kg/m ³)	RM
Price per rubber tile (500 x 500 x 50 mm, 1200kg/m ³)	RM
Price per 40' LED monitor	RM
Price per HEPA filter	RM
Price per Carbon Filter	RM
Price per washable filter	RM
Price per servo motor	RM
Price per paper board	RM
Price per CCTV Camera	RM
Price per kilogram of general purpose grease.	RM
Price per kilogram of ball and roller bearing grease.	RM
Price per litre of general purpose lubricating oil.	RM



Price per litre of compressor oil.	RM
Price per litre of cleaning agent for condenser coil.	RM
Price per kilogram of R410a.	RM
Price per air filter used.	RM
Price per refrigerant filter used.	RM
Price per set of carbon brushes used.	RM
Price per compressor motor contactor.	RM
Price per compressor motor starter.	RM
Price per electrical fuse for compressor motor.	RM
Price per electrical fuse for pump motor.	RM
Price per electrical fuse for automatic temperature control and relay.	RM
Price per metre of V-belt used	RM



9.13 RATES FOR DAYWORK

The following rates of labour and materials are for the day work authorised by the S.O.

Description	Hourly Rate Wage
Labour	
Unskilled labour	RM
Semi-skilled labour	RM
Skilled labour	RM
Percentage addition to cover profit, on cost, superintendence, insurance, allowances for workmen, use of tools and equipment, and other incidental costs	RM
Materials	
Materials will be paid for at the actual cost of Material delivered to site.	RM
Percentage addition of the above to cover incidental costs, handling charges, insurance, profit and overheads.	RM

Tandatangan Pentender : _____

Nama dan Alamat : _____
(Dengan Cop) _____

Tarikh : _____

Tandatangan Saksi : _____

Nama dan Alamat : _____
(Dengan Cop) _____

Tarikh : _____