







ONE (1) YEAR TERM CONTRACT FOR REPAIRWORKS OF AIR-CONDITIONING AT POLITEKNIK BRUNEI,  
LUMUT CAMPUS. BELAIT DISTRICT

ITEM	DESCRIPTION	UNITS	RATE
A	<p><b>LIGHT FITTING , FAN AND OTHER ACESSORIES (APPROVED BY DEPARTMENT OF ELECTRICAL SERVICES)</b></p> <p>QUANTITY IN THE B.Q ARE PROVISIONAL ONLY AND SUBJECTED TO FINAL MEASUREMENT ON SITE ON COMPLETION OF WORKS</p> <p>Supply all labour, tools, equipment and materials including, scaffolding , transportation to the following repair and installing works to its good working condition and to current good practice or to the S.O stasification</p> <p><b>NOTES:-</b> Contractor should first provide primary checking/troubleshooting report before starting the maintenance/replacing parts. This include the condenser (for an outdoor unit) or air handler/fumace (indoor unit), checking gas pressure, the energy load, thermostat (cooling control), fan blower belt for excessive slack, damage, or breakage, check the coils and filter if they are caked with dust or debris and other necessary works required.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;">   </div>		

ITEM	DESCRIPTION	UNITS	RATE
<b>A.1</b>	To supply and delivery the following Spare Parts for Split Units:-		
a)	Compressor Starting Relay	no	\$ 220.00
b)	Fan Motor Bush	no	\$ 90.00
c)	Fan Motor Bearing	no	\$ 70.00
d)	Compressor Thermal Overload	no	\$ 90.00
e)	Filter Drier		
	6.4 mm dia	no	\$ 150.00
	9.5 mm dia	no	\$ 160.00
	12.7 mm dia	no	\$ 180.00
	15.8 mm dia	no	\$ 190.00
	20.2 mm dia	no	\$ 200.00
f)	High Pressure Switch	no	\$ 200.00
g)	Low Pressure Switch	no	\$ 200.00
h)	Service Valve/Charging Port	no	\$ 60.00
i)	Wired Remote Micro-Computer Control	no	\$ 150.00
j)	Wireless Remote Micro-Computer Control	no	\$ 150.00
k)	Battery for Wireless Remote control	no	\$ 5.00
l)	2 Pole Contactor c/w Overload relay range from 10 Amp to 40 Amp	no	\$ 90.00
m)	3 Pole Contactor c/w Overload relay range from 10 Amp to 40 Amp	no	\$ 180.00
n)	Temperature Thermistor Sensor	no	\$ 120.00
o)	AC & DC Transformer approved Standard by DES ranging from 2.6 kw to 17.58 kw	no	\$ 100.00
p)	Piping Connection Coupling	no	\$ 150.00
	 		

SOW/2



ITEM	DESCRIPTION	UNITS	RATE
q)	Evaporator Fan Motor	no	\$ 250.00
r)	Sight Glass	no	\$ 100.00
s)	Step down Transformer Various Rating	no	\$ 180.00
t)	Discharge Service Valve	no	\$ 120.00
u)	Dual Pressure Switch	no	\$ 180.00
v)	Crankcase heater	no	\$ 350.00
w)	Brass Flare Nut up to 3/4" dia	no	\$ 10.00
x)	Thermal Overload Relay Range 7-12 Amp	no	\$ 80.00
	Range 13-18 Amp	no	\$ 80.00
y)	8 Pin Timer Relay Range 0-3 min	no	\$ 120.00
z)	Auxillary contact Block 2No/2NC	no	\$ 120.00
aa)	Compressor Terminal Connector	no	\$ 5.00
ab)	Fan Motor Terminal Connector	no	\$ 5.00
ac)	Pipe Sensor	no	\$ 70.00
<b>A.2</b>	To supply and Delivery the following Spare parts for Split Units of various makes and capacities:-		
a)	Filter Soft Foam/Sponge Type	no	\$ 80.00
b)	Filter, Hard PVC Mesh-Frame Type	no	\$ 80.00
c)	PVC Drain Pipes :-		
	Size 15 mm	m	\$ 3.00
	Size 20 mm	m	\$ 10.00
	Size 25 mm	m	\$ 15.00
	Size 32 mm	m	\$ 12.00
	Size 40 mm	m	\$ 14.00
	Size 50 mm	m	\$ 15.00
	Size 75 mm	m	\$ 18.00
	 		

SOW/3

ITEM	DESCRIPTION	UNITS	RATE
d)	PVC Flexible Hose Size 12.7 mm	m	\$ 10.00
e)	Fan Motor Capacitor 0.5 MFD TO 1.5 MFD	no	\$ 60.00
	2 MFD TO 3.5 MFD	no	\$ 60.00
	4 MFD TO 5 MFD	no	\$ 60.00
	6 MFD TO 10 MFD	no	\$ 80.00
	11 MFD TO 15 MFD	no	\$ 80.00
f)	Compressor Capacitor 20 MFD	no	\$ 80.00
	25 MFD	no	\$ 80.00
	30 MFD	no	\$ 80.00
	35 MFD	no	\$ 100.00
	40 MFD	no	\$ 100.00
	45 MFD	no	\$ 120.00
	60 MFD	no	\$ 120.00
	80 MFD TO 100 MFD	no	\$ 150.00
	120 MFD TO 180 MFD	no	\$ 180.00
g)	Nozzle Strainer	no	\$ 20.00
h)	Capillary Tube	m	\$ 12.00
i)	Compressor Mounting	no	\$ 7.00
<b>A.3</b>	To supply and install New Compressor for Split Units of various make including replace the filter drier and capillary tube, flashing using nitrogen gas, general top up gas R22 with commissioning and testing:-		
ij)	Rotary Compressor		
a)	2.6 Kw(1.0HP or 9000 Btu)	no	\$ 380.00
b)	3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 500.00
c)	5.28 Kw ( 2.0 HP Or 20 000 Btu)	no	\$ 650.00
d)	7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 800.00
e)	8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 1,200.00
f)	10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 1,600.00
ij)	Scroll Compressor		
a)	12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 1,800.00
b)	16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 2,100.00
c)	17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 2,300.00





SOW/4

ITEM	DESCRIPTION	UNITS	RATE
<b>A.4</b>	To supply and install of New Condensing Fan Motor for Split Unit / Air Curtain of various Make and capacities:		
a)	2.6 Kw (1.0HP or 9000 Btu)	no	\$ 180.00
b)	3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 200.00
c)	5.28 Kw ( 2.0 HP Or 20 000 Btu)	no	\$ 280.00
d)	7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 380.00
e)	8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 450.00
f)	10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 600.00
g)	12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 650.00
h)	16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 750.00
i)	17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 800.00
<b>A.5</b>	To remove, rewind and reinstall Fan Motor for Split Units of various makes and capacities:-		
a)	2.6 Kw (1.0HP or 9000 Btu)	no	\$ 180.00
b)	3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 180.00
c)	5.28 Kw ( 2.0 HP or 20 000 Btu)	no	\$ 200.00
d)	7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 220.00
e)	8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 240.00
f)	10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 380.00
g)	12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 400.00
h)	16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 450.00
i)	17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 480.00
<b>A.6</b>	To supply and install of Fan Coil Unit Motor for Split Units of various makes and capacities:-		
a)	2.6 Kw (1.0HP or 9000 Btu)	no	\$ 180.00
b)	3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 200.00
c)	5.28 Kw ( 2.0 HP Or 20 000 Btu)	no	\$ 280.00
d)	7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 380.00
e)	8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 400.00
f)	10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 460.00
g)	12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 500.00
h)	16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 600.00
i)	17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 650.00
	 		



SOW/5

ITEM	DESCRIPTION	UNITS	RATE
<b>A.7</b>	Replacement with Salvaged compressor for Split  To replace compressor with another working compressor salvaged from a written-off unit. The work shall include dismantling, installing parts from a written-off unit and repainting using two coats of red lead oxide paint and a final coat to match the original colour. The work also include testing/commisioning of the system for system check and must in good condition as instructed by the S.O.	no	\$ 500.00
<b>A.8</b>	Replacement with Salvaged Fan Motors for Split  To replace fan motors with another working fan motor salvaged from a written-off unit. The work shall also include dismantling, installing parts from a written-off unit and testing/commisioning of the system for system check and must in good condition as instructed by the S.O.	no	\$ 420.00
<b>A.9</b>	To supply and install of New Condenser Fan Blade for Split unit of various make:		
a)	2.6 Kw (1.0HP or 9000 Btu)	no	\$ 150.00
b)	3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 180.00
c)	5.28 Kw ( 2.0 HP Or 20 000 Btu)	no	\$ 220.00
d)	7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 320.00
e)	8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 380.00
f)	10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 480.00
g)	12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 580.00
h)	16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 650.00
i)	17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 700.00
<b>A.10</b>	To supply and install of New Fan Scroll for Fan Coil unit of Split Unit / Air Curtain of various makes:-		
a)	2.6 Kw (1.0HP or 9000 Btu)	no	\$ 280.00
b)	3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 300.00
c)	5.28 Kw ( 2.0 HP Or 20 000 Btu)	no	\$ 350.00
d)	7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 400.00
e)	8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 420.00
f)	10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 440.00
g)	12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 480.00
h)	16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 550.00
i)	17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 580.00





ITEM	DESCRIPTION	UNITS	RATE
<b>A.11</b>	To supply and delivery New Electronic Printed Circuit Board for split Units for various makes:-		
	a) 2.6 Kw (1.0HP or 9000 Btu)	no	\$ 250.00
	b) 3.52 Kw (1.5 HP or 12 000 Btu)	no	\$ 280.00
	c) 5.28 Kw ( 2.0 HP or 20 000 Btu)	no	\$ 300.00
	d) 7.03 Kw ( 2.5 HP or 24 000 Btu)	no	\$ 360.00
	e) 8.79 Kw (3.0 HP or 30 000 Btu)	no	\$ 400.00
	f) 10.55 Kw (4.0 HP or 36 000 Btu)	no	\$ 450.00
	g) 12.90 Kw (5.0 HP or 44 000 Btu)	no	\$ 480.00
	h) 16.41Kw ( 6.0 HP or 56 000 Btu)	no	\$ 500.00
	i) 17.58 Kw (6.5 HP or 60 000 Btu)	no	\$ 550.00
<b>A.12</b>	To supply and install of Director-On-Line Single Phase Starter with overload range from 5 to 25 Amp (DEPARTMENT OF ELECTRICAL SERVICES APPROVED ONLY)	no	\$ 160.00
<b>A.13</b>	To supply and install Director-On-Line 3 Phase starter with overload 30 to 32 Amps (DEPARTMENT OF ELECTRICAL SERVICES APPROVED ONLY) <b>model:</b> <b>make:</b>	no	\$ 240.00
<b>A.14</b>	To supply and install of 3 Phase Isolator as per approved Standard List accepted by Department of Electrical Services <b>model:</b> <b>make:</b>	no	\$ 90.00
<b>A.15</b>	To supply and install of New 20A DP switch <b>model:</b> <b>make:</b>	no	\$ 40.00
<b>A.16</b>	Remove and Reposition of Split Unit Condensing or Fan Coil Unit as instructed by CMU Supervising Officer.	no	\$ 300.00
<b>A.17</b>	Modification of Control for Split Unit c/w Fan Control Switch and Thermostat including remove and reinstall from and to site.	no	\$ 400.00
<b>A.18</b>	To supply and replace modified bracket for Split Condensing unit housing c/w painting remove and reinstall from to site.	no	\$ 250.00
	 		



SOW/7

ITEM	DESCRIPTION	UNITS	RATE
A.19	To supply and replace modified G.I Water tray for Room Airconditioning Unit or Split Unit c/w painting, remove and reinstall from to site.	no	\$ 200.00
A.20	To remove, relocate and reinstall back the existing split unit air conditioning in the existing school as instructed by S.O complete with refrigerent piping either use Armaflex or Aeroflex insulation (not less than 19mm O.D), brackets, water tray, drain pipe, hacking, excavate and making good concealed drain pipe including servicing and top up gas and other electrical building work required c/w painting remove and reinstall from site.	no	\$ 300.00
A.21	To supply and delivery DES' approved type of MCB		
a)	20 Amp	no	\$ 25.00
b)	32 Amp	no	\$ 25.00
	<b>model:</b>		
	<b>make:</b>		
A.22	To repair Room Airconditioning Unit gas leak, make good and top up gas ranging from 2.6 kw to 7.03 kw	no	\$ 50.00
A.23	To repair Split Airconditioning Unit gas leak, make good and top up gas ranging from 2.6 kw to 17.58 kw	no	\$ 100.00
A.24	To repair and make good water leaking for Room Airconditioning Unit or Split Airconditioning Unit	no	\$ 50.00
A.25	Supply and install air curtain 220v/50Hz 900mm type with 2 speed selectable (Hi/Lo) complete with custom made bracket.	no	\$ 500.00
A.26	To dismantle the defective existing window type / split type airconditioning units	no	\$ 30.00
A.27	Supply and install 12mm thick plywood to fixed the existing hole including painting with similar existing colour	m2	\$ 50.00
A.28	Ditto but fixed glass including painting with similar existing colour	m2	\$ 150.00
	 		



SOW/8

ITEM	DESCRIPTION	UNITS	RATE
A.29	To replace piping insulation ranging from 2.6 kw to 17.58 kw Airconditioning and other necessary works required by SO	m2	\$ 30.00
A.30	To replace piping insulation ranging from 2.6 kw to 17.58 kw Airconditioning and other necessary works required by SO	m2	\$ 30.00
<b>B</b>	<b>LIGHTING, FAN AND POWER POINT (APPROVED BY DEPARTMENT OF ELECTRICAL SERVICES)</b>		
B.1	To supply and install 60A TPN metal enclosure Distribution Board for c/w 3 No x 60A/ 0.03A RCD 21 x MCB (6A-32A), Fuses and Cartridge, neutral link <b>model:</b> <b>make:</b>	no	\$ 1,500.00
B.2	To supply and install 100A TPN metal enclosure Distribution Board for c/w 3 No x 80A/ 0.03A RCD 21 x MCB (6A-32A), Fuses and Cartridge, neutral link <b>model:</b> <b>make:</b>	no	\$ 1,800.00
B.3	To supply and install 60A SPN RCD/0.03MA <b>model:</b> <b>make:</b>	no	\$ 100.00
B.4	To supply and install 100A SPN RCD/0.03MA <b>model:</b> <b>make:</b>	no	\$ 120.00
B.5	To supply and install using 4 X 1C/25mm <sup>2</sup> PVC cable in G.I. tray/trunking + 16mm <sup>2</sup> CPC.	m	\$ 50.00
B.6	To supply and install using 4 X 1C/35mm <sup>2</sup> PVC cable in G.I. tray/trunking + 16mm <sup>2</sup> CPC.	m	\$ 60.00
B.7	Supply and install wiring Single Phase Power Point using 3 C x 4mm PVC Cable Casing/conduit c/w 20A DP switch	no	\$ 250.00
B.8	Supply and install wiring 3 Phase power Point using 5C x 4mm PVC cable casing / conduit c/w 32A isolator	no	\$ 500.00
	 		



SOW/9

ITEM	DESCRIPTION	UNITS	RATE
B.9	Cost of labour is to troubleshoot and generally service the <b>Window / Through Wall type Airconditioning</b> Unit ranging from 2.6 kw to 7.03 kw c/w topping up gas, high pressure wash and other necessary works required by S.O.	no	\$ 80.00
B.10	Cost of labour is to troubleshoot and generally service <b>Wall mounted / Ceiling (Include cassette type) Mounted / Standing type Split Airconditioning</b> Unit ranging from 2.6 kw to 17.58 kw c/w topping up gas, high pressure wash and other necessary works required by S.O.	no	\$ 160.00
B.11	Cost of labour is to troubleshoot and service an (3ft or 4ft) air curtain c/w high pressure wash and other necessary works required by S.O.	no	\$ 50.00
<b>C AIRCONDITIONING</b>			
C.1	Supply and install <b>Wall Mounted Split</b> Type Airconditioning Unit with intelligent INVERTER TYPE, Wireless remote controller with batteries complete with refrigerant piping either use Armaflex or Aeroflex insulation (not less than 19mm O.D),brackets,water tray, drain pipe, hacking, excavate and making good concealed drain pipe and other electrical building work required Department of Electrical Services Department Approved type and 5 years warranty compressor, labour and gas free of charge to suit site installation including servicing on the supply air conditioning monthly until Defect Liability Period ends.		
a)	1.5HP	no	\$ 1,800.00
b)	2.0HP	no	\$ 2,300.00
c)	2.5HP	no	\$ 2,600.00
d)	3.0HP	no	\$ 4,600.00
e)	5.0HP	no	\$ 6,000.00
	<b>model:</b> <b>make:</b>		
	 		



SOW/10

ITEM	DESCRIPTION	UNITS	RATE
<b>C.2</b>  a) b) c) d)	<p>Supply and install <b>Ceiling Mounted Split</b> Type Airconditioning Unit with intelligent INVERTER TYPE, Wireless remote controller with batteries complete with refrigerant piping either use Armaflex or Aeroflex or Equivalent insulation (not less than 19mm O.D), brackets, water tray, drain pipe, hacking, excavate and making good concealed drain pipe and making good ceiling and other electrical building work required Department of Electrical Services Department Approved type and 5 years warranty compressor, labour and gas free of charge to suit site installation including servicing on the supply air conditioning monthly until Defect Liability Period ends.</p> <p><b>model:</b> <b>make:</b></p>	  no no no no	  \$ 3,500.00 \$ 4,600.00 \$ 5,600.00 \$ 5,600.00
<b>C.3</b>  a) b) c) d)	<p>Supply and install <b>Ceiling Cassette Split</b> Type Airconditioning Unit with intelligent INVERTER TYPE, Wireless remote controller with batteries complete with refrigerant piping either use Armaflex or Aeroflex or Equivalent insulation (not less than 19mm O.D),brackets,water tray,drain pipe,hacking,excavate and making good concealed drain pipe and making good ceiling and other electrical building work required Department of Electrical Services Department Approved type and 5 years warranty compressor, labour and gas free of charge to suit site installation including servicing on the supply air conditioning monthly until Defect Liability Period ends.</p> <p><b>model:</b> <b>make:</b></p>	  no no no no	  \$ 2,500.00 \$ 5,500.00 \$ 6,600.00 \$ 7,800.00
<div style="display: flex; justify-content: space-around; align-items: center;"> <div data-bbox="491 1704 651 1850" style="border: 1px dashed black; padding: 5px; text-align: center;">  </div> <div data-bbox="762 1704 938 1850" style="text-align: center;">  </div> </div>			



SOW/11

ITEM	DESCRIPTION	UNITS	RATE
<b>D</b>	<b>SAFETY AND HEALTH PLAN</b>  The contractor shall implement and maintain at all times a Safety and Health Management System for the purpose of ensure the safety and protecting the health of every person within the worksite, whether or not the person is at work or is an employee of the contractor.		
<b>D.1</b>	HSE requirement according to Occupational Safety and Health Specification	LS	200.00
<b>D.2</b>	Erect, maintain and dismantle suitable scaffolding and/or props for temporary working platform including access and egress.	LS	200.00
<b>E</b>	<b>BREAKDOWN</b>		
<b>E.1</b>	<b>Troubleshooting, checking and tracing</b> faulty chiller/pump equipment/VRV/VRF system ; prepare report to be verified by S.O c/w removal, disconnection, clearance, rectification, calibration and tidy up work.	lot	\$ 100.00
<b>F</b>	<b>AIR HANDLING UNIT</b>		
<b>F.1</b>	To general clean, servicing existing Air Handling Units a) To remove and wash filter. b) To clean grill/coil using water jet and approved chemical c/w removal of excess water. c) To clean drain pan and flush out and unblock drain line. d) To clean and vacuum blower. e) To clean internal and external casing using cloth. Note : Monthly type service to be done as per instructed by S.O	lot	\$ 65.00
<b>F.2</b>	To general clean, servicing, check and troubleshooting the existing Air Handling Units a) To remove and wash filter. b) To clean grill/coil using water jet and approved chemical c/w removal of excess water. c) To lean drain pan and flush out and unblock drain line pipe. d) To clean and vacuum blower. e) To clean internal and external casing using cloth. f) To check all electrical connections and secure any loose electrical wiring.	lot	\$ 300.00
	 		



SOW/12

ITEM	DESCRIPTION	UNITS	RATE
	g) To check and adjust all valve h) To clean motor using cloth. i) To grease and lubricate bearings and other movable parts. j) To check belting tension and wear and pulley drives for secure fixing. k) To check and adjust timer and tempreture settings in order l) Clean exposed ceiling/wall ducting grill outlet using cloth Note : Annual type service to be done as per instructed by S.O		
F.3	Belting c/w general check, repair and alignment	nos	\$ 70.00
F.4	VAV Box c/w accessories	nos	\$ 1,300.00
F.5	To clean and clear all <b>AHU rooms</b> and to maintan clean and safe working service areas.	nos	\$ 30.00
F.6	Rewind and reinstall AHU motor c/w replacment of bearings, alignment and others	nos	\$ 720.00
F.7	New AHU Motor ~5.5kw c/w assesories	nos	\$ 1,500.00
F.8	AHU Actuator Valve c/w necessary building and piping work, cutting, welding connection etc	nos	\$ 1,800.00
F.9	Expansion valve for AHU	nos	\$ 750.00
F.10	AHU Timer inside control panel	nos	\$ 170.00
F.11	AHU Magnetic Contactor ~25A or equivalent rating	nos	\$ 150.00
F.12	AHU Transformer ~25A , 240V, 50 Hz or equivalent rating	nos	\$ 180.00
F.13	Insulation pad for ducting	m2	\$ 50.00
F.14	Fiberglass Insulation	m2	\$ 25.00
F.15	Insulated plenum box c/w insulation	nos	\$ 250.00
F.16	Variable Speed Drive (VSD) c/w setting back to system	nos	\$ 6,000.00
	 		



SOW/13

ITEM	DESCRIPTION	UNITS	RATE
<b>G</b>	<b>DX PACKAGED CHILLER SYSTEM</b>		
G.1	Comprehensive maintenance and servicing, labour and materials to test system with nitrogen, repair & make good condenser coil leakage c/w silver soldering, purge system with nitrogen, vacuum, recharge cyls of Freon 22 gas c/w general service and repair wear and tear parts (exclude PCB and compressor) for outdoor condensing unit.	nos	\$ 1,200.00
G.2	Comprehensive maintenance and servicing, labour and materials to test system with nitrogen, repair & make good condenser coil leakage c/w silver soldering, purge system with nitrogen, vacuum, recharge cyls of OTHER GAS gas c/w general service and repair wear and tear parts (exclude PCB and compressor) for outdoor condensing unit.	nos	\$ 1,500.00
G.3	Condenser Fan Motor bearing	nos	\$ 45.00
G.4	Rewinding condenser fan motor, replace bearings and remachine bearing covers	nos	\$ 650.00
G.5	PCB Controller Board	nos	\$ 4,500.00
G.6	Contactora for compressor and fan unit	nos	\$ 200.00
G.7	Scroll Compressor ~15 HP c/w accessories and associated works	nos	\$ 4,500.00
G.8	Scroll Compressor ~12 HP c/w accessories and associated works	nos	\$ 3,500.00
G.9	Refrigerant R22	kg	\$ 30.00
G.10	Filter Drier	nos	\$ 150.00
G.11	Timer Relay	nos	\$ 130.00
G.12	Delay Timer	nos	\$ 200.00
G.13	Contactora 3 phase 32A	nos	\$ 450.00
G.14	Wiring 3 phase isolator	nos	\$ 200.00
	 		

SOW/14

ITEM	DESCRIPTION	UNITS	RATE
<b>H</b>	<b>VRV SYSTEM</b>		
H.1	Fully comprehensive servicing of fan coil unit FCU of VRV system c/w system check, maintenance and make good condition c/w general servicing, clean air filter, casing, cooling pipe, water drain pan, flush clean the drainage pipe, leak test and repair as per instructed by S.O.  (To INCLUDE replace faulty parts of sensors, capacitors, pc control board etc ALL except compressor)	nos	\$ 55.00
H.2	Fully comprehensive servicing of outdoor condensing unit CU (VRV) c/w system check, maintenance and make good condition c/w general servicing, clean coil and cooling pipe, water drain pan, flush clean the drainage pipe, clean fan motor blade, condensing coil, leak test and repair as per instructed by S.O.  Supply of nitrogen gas for leak testing, vacuuming system, pressure testing charging gas for purging the system c/w repair leak  (To INCLUDE replace faulty parts of sensors, capacitors etc ALL except PCB Board, IPDU and Compressor)	nos / per system	\$ 1,200.00
H.3	Inverter PC Board compressor c/w sensor	nos	\$ 2,500.00
H.4	Condensor Fan Motor IPDU c/w programming, rewire	nos	\$ 1,800.00
H.5	Filter Drier	nos	\$ 150.00
H.6	Noise Filter PCB board	nos	\$ 950.00
H.7	Condensing Fan Motor	nos	\$ 1,700.00
H.8	Refrigerant R410A	kg	\$ 40.00
H.9	Water pump for VRV	nos	\$ 250.00
H.10	FCU (cassette type) PC Board c/w sensor	nos	\$ 390.00
	 		

SOW/15

ITEM	DESCRIPTION	UNITS	RATE
I	<p><b>OTHER ITEM NOT SPECIFIED</b></p> <p>Any other item not specified please mentioned :-</p> <p>i .....  ii .....  iii .....  iv .....  v .....</p> <p>We, the undersigned, are willing to contract for and perform maintenance and repair of split / window air conditioning units for POLITEKNIK BRUNEI, CAMPUS LUMUT as may be ordered from time to time for a period of ONE (1) YEAR commencing from the date of award of tender and at rates contained herein at:</p> <p><b>PLUS / MINUS            % (    per Centum)*</b></p> <p><b>Delete as necessary and insert the necessary %</b>  <b>(N.B): If none stated then it would assumed to be "NIL"</b></p> <p><b>*NOTE*</b>  <b>Contractor must submit the lists of document as follows</b>  <b>1. Valid MOD license with categories of MO1 and EO1</b>  <b>2. Valid Department Electrical Services (DES) passcard for EO1 and MO1</b></p> <div style="text-align: center;">   </div>		

**PERHATIAN:**

1. Jika anda berminat untuk mengemukakan tawaran, anda dikehendaki membuat pembayaran sebanyak **BND\$5.00** ke **Bahagian Kewangan Politeknik Brunei, Tingkat 12, Jalan Ong Sum Ping**.
2. Anda juga dikehendaki mengisi **BORANG PENYERTAAN** secara dalam talian (*online*) di <https://bit.ly/3Hp2RLt> dan memuatnaik resit pembayaran ke dalam borang tersebut. Borang Sebutharga (RFQ) dan dokumen yang berkaitan akan dihantar melalui emel.
3. Jika anda memerlukan maklumat lanjut, sila hubungi [nazri.kornan@pb.edu.bn](mailto:nazri.kornan@pb.edu.bn) atau menghubungi no. telefon +6738747422

Terima kasih di atas penyertaan anda.

**NOTE:**

1. *If you are interested in submitting an offer, you are required to make a payment of **BND\$5.00** to **Finance Division Politeknik Brunei, 12th floor, Jalan Ong Sum Ping**.*
2. *You are also required to fill in the online **PARTICIPATION FORM** at <https://bit.ly/3Hp2RLt> and upload the payment receipt into the form. Quotation Form (RFQ) and related documents will be sent via email.*
3. *If you require further information, please do not hesitate to contact [nazri.kornan@pb.edu.bn](mailto:nazri.kornan@pb.edu.bn) or contact no +6738747422*

*Thank you and looking forward to your participation.*