

Note : **1. All prices are for a single Unit or Per Troubleshooting**
2. One - Time general air conditioner service

ITEM NO. : SPLIT UNIT AND FAN COIL UNIT

ITEM NO.	PARTS DESCRIPTION	RATE	
	(As described below or approved equivalent)	\$	¢
2.1	Thermistor including sensor for DX Split unit	75	00
2.2	Air Filter, soft foam/sponge type	120	00
2.3	Air Filter, hard PVC mesh frame type	190	00
2.4	Air Blower, Evaporator fan	250	00
2.5	Over load Relay, for compressor 32-amps	195	00
2.6	Fan motor Bearing		
	'6306	83	00
	'6308	98	00
	'6311	135	00
2.7	Filter Drier		
	EK 084	90	00
	EK306	120	00
	Alco 165 5/8"	125	00
	H-48	170	00
2.8	Capacitor running/starting		
	'2-5 MFD	25	00
	6-15 MFD	38	00
	16-29 MFD	48	00
	30-50 MFD	58	00
	51-70 MFD	68	00
2.9	Magnetic Contactor		
	LC1 D-09	80	00
	LC1 D-12	90	00
	LC1 D-18	125	00
	LC1 D-32	165	00
	LC1 D-42	170	00
	LC1 D-48	190	00
2.10	Remote control for Split Unit	250	00
2.11	Universal remote with receiver board	210	00
2.12	High pressure switch D306XM	280	00
2.13	Low pressure switch D306XM	280	00
2.14	Service valve	168	00

ITEM NO.	PARTS DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	¢
2.15	Refrigerant piping connector coupling	70	00
2.16	Front cover	190	00
2.17	Flexible hose, ½ "dia. / m	38	00
2.18	Remote to wire type including necessary parts	450	00
2.19	Fully hermetic compressor for RAC R-22 any make c/w filter drier, service valve, motor protector, crankcase heater, capacitor + 9 months warranty including testing & commissioning		
a	7,000 Btu/hr – 11,000Btu/hr	585	00
b	12,000 Btu/hr – 17,000 Btu/hr	780	00
c	18,000 Btu/hr – 24,000 Btu/hr	880	00
2.20	Fully hermetic compressor for Split Unit R-22 any make c/w filter drier, service valve, motor protector, crankcase heater, capacitor + 9 months warranty including testing & commissioning		
a	8,000 Btu/hr – 12,000 Btu/hr	580	00
b	12,500 Btu/hr – 16,000 Btu/hr	780	00
c	16,500 Btu/hr – 24,000 Btu/hr	880	00
d	24,500 Btu/hr - 30,000 Btu/hr	940	00
e	30,500 Btu/hr - 38,000 Btu/hr	1100	00
f	38,500 Btu/hr - 48,000 Btu/hr	1365	00
2.21	Fan Blade for Condenser, Split Unit any make		
a	8,000 Btu/hr – 12,000 Btu/hr	250	00
b	12,500 Btu/hr – 16,000 Btu/hr	250	00
c	16,500 Btu/hr – 24,000 Btu/hr	284	00
d	24,500 Btu/hr - 30,000 Btu/hr	295	00
e	30,500 Btu/hr - 38,000 Btu/hr	395	00
f	38,500 Btu/hr - 48,000 Btu/hr	420	00
g	48,500 Btu/hr - 60,000 Btu/hr	550	00
h	65,000 Btu/hr - 72,000 Btu/hr	680	00
2.22	Micro-Computer Control for Split Unit any make		
a	8,000 Btu/hr – 10,000 Btu/hr	300	00
b	10,500 Btu/hr – 13,000 Btu/hr	340	00
c	13,500 Btu/hr – 18,000 Btu/hr	422	00
d	18,500 Btu/hr – 28,000 Btu/hr	460	00
e	28,500 Btu/hr - 38,000 Btu/hr	490	00
f	38,500 Btu/hr - 48,000 Btu/hr	560	00
2.23	Electronic Printed Circuit Boards for Split Unit any make (Non inverter)		
a	8,000 Btu/hr – 10,000 Btu/hr	300	00
b	10,500 Btu/hr – 13,000 Btu/hr	480	00

ITEM NO	PARTS DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	¢
c	13,500 Btu/hr – 18,000 Btu/hr	580	00
d	18,500 Btu/hr - 28,000 Btu/hr	680	00
e	28,500 Btu/hr - 38,000 Btu/hr	780	00
f	38,500 Btu/hr - 48,000 Btu/hr	880	00
2.24	FCU Fan Scroll for Split Unit any make		
a	8,000 Btu/hr – 10,000 Btu/hr	300	00
b	10,500 Btu/hr – 13,000 Btu/hr	380	00
c	13,500 Btu/hr – 18,000 Btu/hr	420	00
d	18,500 Btu/hr - 28,000 Btu/hr	520	00
e	28,500 Btu/hr - 38,000 Btu/hr	580	00
f	38,500 Btu/hr - 48,000 Btu/hr	600	00
2.25	New Condenser Fan motor for Split Unit any make		
a	8,000 Btu/hr – 10,000 Btu/hr	220	00
b	10,500 Btu/hr – 13,000 Btu/hr	300	00
c	13,500 Btu/hr – 18,000 Btu/hr	400	00
d	18,500 Btu/hr - 28,000 Btu/hr	480	00
e	28,500 Btu/hr - 38,000 Btu/hr	590	00
f	38,500 Btu/hr - 48,000 Btu/hr	660	00
2.26	New Fan motor for RAC any make		
a	7,000 Btu/hr – 11,000 Btu/hr	220	00
b	12,000 Btu/hr – 17,000 Btu/hr	300	00
c	18,000 Btu/hr – 24,000 Btu/hr	400	00
2.27	New Fan Coil Unit Fan Motor for Split Unit any make		
a	8,000 Btu/hr – 10,000 Btu/hr	210	00
b	10,500 Btu/hr – 13,000 Btu/hr	290	00
c	13,500 Btu/hr – 18,000 Btu/hr	380	00
d	18,500 Btu/hr - 28,000 Btu/hr	415	00
e	28,500 Btu/hr - 38,000 Btu/hr	490	00
f	38,500 Btu/hr - 48,000 Btu/hr	550	00
2.28	To Rewind Fan Motor for Split Unit any make c/w bearings		
a	8,000 Btu/hr – 13,000 Btu/hr	210	00
b	13,500 Btu/hr – 18,000 Btu/hr	290	00
c	18,500 Btu/hr – 28,000 Btu/hr	380	00
d	28,500 Btu/hr - 38,000 Btu/hr	420	00
e	38,500 Btu/hr - 48,000 Btu/hr	510	00
2.29	To Rewind Fan Motor for RAC any make c/w bearings		
a	7,000 Btu/hr – 11,000 Btu/hr	210	00
b	12,000 Btu/hr – 17,000 Btu/hr	290	00
c	18,000 Btu/hr – 24,000 Btu/hr	380	00
2.30	To fabricate, supply & install Drip Tray for RAC	380	00

ITEM NO	PARTS DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	¢
2.31	Plug Top MK or approved equivalent		
a	13 amps	26	00
b	15 amps	27	00
c	20 amps	31	00
d	30 amps	44	00
2.32	3-core flexible cable suitable for the following rating		
a	15 amps	36	00
b	20 amps	39	00
c	30 amps	43	00
2.33	Refrigerant piping for Split Unit c/w Armaflex insulation and Denso tape		
a	Below 1 "	40	00
b	1 1/8" – 2"	52	00
2.34	Replace Refrigerant piping insulation using Amaxflex for Split Unit		
a	Below 1 "	40	00
b	1 1/8 " - 2 "	52	00
2.35	Metal Trunking		
a	2" x 2" x 6"	25	00
b	2" x 3" x 6"	28	00
c	2" x 4" x 6"	34	00
2.36	PVC Trunking		
a	2" x 2" x 6"	25	00
b	2" x 3" x 6"	28	00
c	2" x 4" x 6"	34	00
2.37	New Receiver for:-		
a	RAC's	170	00
b	Split Units	192	00
2.38	Flare nuts any size for Split Unit and RAC	16	00
2.39	Flare Union any size for Split Unit and RAC	20	00
2.40	Flare Elbow any size for Split Unit and RAC	25	00
2.41	Flare Tee any size for Split Unit and RAC	35	00
2.42	Air Curtains any makes		
a	Air flow 2" x throw	480	00
b	Air flow 3" x throw	650	00
c	Air flow 4" x throw	880	00
2.43	Freon R-22	150	00
2.44	Alteration of an opening as requested by the Department	75	00
2.45	Blanking off an opening using 1/2" thick painted plywood, properly fixed to cover the opening fully.	150	00

ITEM NO	PARTS DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	¢
2.46	Materials for repairing leaks, to provide all the required materials to repair any leaks as instructed by the designated officer.	400	00
2.47	To supply and install metal support brackets for RAC and Split type air conditioning where the brackets shall be rigidly fixed and painted to match the external wall of the building (for ducting & condensing unit various size)	280	00
2.48	To construct an opening where it should be rigid and correctly size at a location as requested by the designated officer of the department. The type of walls are as follows:		
a	On Timber/Wooden wall	275	00
b	Within Louvers/NACO window frame	295	00
c	On brick or concrete wall less than 6 inch thick	358	00
d	On brick or concrete wall 6 to 12 " thick	390	00
e	On fixed glass window frame or on window with frame	530	00
2.49	To supply, install, excavate and making good etc.....of concealed drain pipes as follows:		
a	On concrete floor only	276	00
b	On concrete floor with mosaic tiles	380	00
2.50	To install Drip Tray for newly installed RAC units c/w associated materials and workmanship. Where possible the PVC pipe shall be fixed with saddles and where PVC pipes crosses the walkway etc.....it should be installed flushed to the walkway.	380	00
2.51	To replace a compressor with another working compressor salvaged from a written-off unit, including all necessary related works. The works shall also include testing of the unit repainting of the unit using two coats of red lead oxide paint and a final coat to match the original colour. The price should only be chargeable as labour charge.	780	00
2.52	Materials for system choked elimination to provide all the required materials as instructed by the designated officer.	1280	00
2.53	To supply and replace the following :		
a	DOL starter for Room airconditioning unit	280	00
b	15 Amps Switched socket outlet	86	00
c	20 Amps DP Switch	98	00
d	Compressor Overload Protector	105	00
e	Thermistor sensor	220	00
f	Air swing motor for RAC/Split	220	00
g	Blower Scroll for Room Air-condition unit	325	00
h	Blower Scroll for Split Unit	490	00
i	Compressor terminal clip with wiriness assembly	175	00

ITEM NO	PARTS DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	¢
2.54	To supply and replace the following :		
a	DOL starter for Room airconditioning unit	380	00
b	15 Amps Switched socket outlet	86	00
c	20 Amps DP Switch	98	00
d	Compressor Overload Protector	105	00
e	Thermistor sensor	220	00
f	Air swing motor for RAC/Split	220	00
g	Blower Scroll for Room Air-condition unit	285	00
h	Blower Scroll for Split Unit	390	00
i	Compressor terminal clip with wiriness assembly	175	00
2.55	To supply and replace the following :		
a	MCCB 40 to 80 SP/TP	650	00
b	MCCB 80 to 150 TP	850	00
c	RCD 40 SP/TP	890	00
d	RCD 63 TP	380	00
e	Weather proof Isolator Switch 20Amps DP/TP	145	00
f	Weather proof Isolator Switch 32Amps DP/TP	155	00
g	MCB 16 Amps SP/TP	165	00
h	MCB 32-40 Amps SP/TP	190	00
i	Sub Distribution Board Metal Enclosure	790	00
j	Sub Distribution Board PVC Enclosure	610	00
k	Copper capillary tube size to unit under repair	168	00
l	3 way copper drier/strainer	300	00
m	Unit (plant no.) tag	20	00
n	Time Delay relay	173	00
2.56	Dismantling of existing faulty unit and send to store or as instructed by S.O.		
a	Room Air Conditioning Unit	85	00
b	Split air conditioning unit	275	00
2.57	To supply and terminate 3C x 4mm ² in PVC surface casing/conduit for the nearest Sub DB to unit isolator (per meter)	28	00
2.58	To supply and terminate 5C x 4mm ² in PVC surface casing/conduit from the nearest Sub DB to unit isolator (per meter)	40	00
2.59	To supply and terminate 2C x 2.5mm ² in PVC surface casing/conduit	30	00
2.60	Modify split unit control using digital thermostat with 3 speed fan control,	580	00
2.61	Repositioning/collect and install RAC unit of various capacities as instructed by S.O.	200	00
2.62	Repositioning/collect and install Split unit of various capacities as instructed by S.O.	450	00
2.63	Modify blower/fan motor end plate bush to bearing c/w machining	480	00
2.64	Painting of condensing unit/room air conditioning unit with anti-rust coat and final coat with suitable colour.	250	00

Note: 1. All prices are for a single item inclusive, all cost of installation etc.
2. Warranty on replace or repairs : each replace or repair carried out shall be to the

ITEM NO. : AIR CONDITIONING SPARE PARTS FOR CHILLERS

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
1.	Cartridge Refrigerant Filter Carrier or York or any make	1820	00
2.	Cartridge Oil Filter Carrier or York or any make	780	00
3.	Chiller Anti Recycle. Timer Carrier or York or any make	989	00
4.	Chiller Cartridge Dehydrator Carrier or York or any make	1210	00
5.	Chiller High Temperature Control or any make	2100	00
6.	Chiller High Pressure Control Carrier or York or any make	2250	00
7.	Chiller Low Temperature Control Carrier or York or any make	1959	00
8.	Chiller Low Pressure Control Carrier or York or any make	2100	00
9.	Chiller High Pressure control Carrier or York or any make	2650	00
10.	Chiller Fuse Control Carrier or York or any make	380	00
11.	Chiller Fuse Control Carrier or York or any make	380	00
12.	Chiller Hi-Pressure Control Carrier or York or any make	2650	00
13.	Chiller Hi-Pressure Control Carrier or York or any make	2740	00
14.	Chiller Hi-Pressure Control 60 – 100 Psig or any make	2740	00
15.	Chiller Lo-Pressure Control 0 – 60 Psig or any make	2990	00
16.	Chiller Current Module Control Carrier or York or any make	9528	00
17.	Chiller Temperature Module Control Carrier or York or any make	2960	00
18.	Chiller Module Control Carrier or York or any make	9510	00
19.	Chiller Oil Pressure Control Carrier or any make	2850	00
20.	Chiller PHP Control Carrier or York or any make	2850	00
21.	Chiller Water Temp. Sensor Control Carrier or York or any make	3420	00
22.	Chiller Flow Switch Carrier or York or any make	2312	00
23.	Chiller Flow Switch 110 – 220v 12inches Sensor	2410	00
24.	Chiller HDT Temperature Carrier or York or any make	1850	00
25.	Chiller Heater Carrier or York or any make	1840	00

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ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
26.	Chiller Oil Pump Carrier or York or any make	2,430	00
27.	Chiller Prv Motor Actuator Carrier or York or any make	2,090	00
28.	Chiller Prv Motor Actuator Carrier or York or any make	2,090	00
29.	Chiller Water Element Control (LET)	1,880	00
30.	Chiller Purge CYC Counter Carrier or York or any make	1,600	00
	SLIP RING INDUCTION MOTOR & A		
32.	Motor, TECO DW250 55kw	17,917	00
33.	Motor, brook DW180lbd 18.6 /15 kw (whole Assy)	12,639	00
34.	Motor TECO DW200LBD 22 kw	13,549	00
35.	Motor TECO DW180M 15 kw	12,730	00
36.	Motor TECO DW200LX 22 kw	13,549	00
37.	Motor TECO DW225 45 kw	17,380	00
38.	Motor Cramptan DW180L 15 kw	12,639	00
39.	Motor for Cooling Towers 30Hp	32,800	00
40.	Motor for Cooling Towers 15Hp	32,000	00
41.	Motor for AHU 2 – 5 Hp	11,500	00
42.	Motor for AHU 6 – 10 Hp	12,000	00
43.	Motor for AHU 11– 15 Hp	12,300	00
44.	Motor for AHU 16 – 20Hp	12,900	00
45.	Motor for AHU 21 – 25 Hp	13,500	00
46.	Motor for Barrel Fan 380/240V 50Hz 0.5 – 1 Kw	2,850	00
47.	Motor for Barrel Fan 380/240V 50Hz 1.25 – 2 Kw	3,050	00
48.	Motor for Barrel Fan 380/240V 50Hz 2 Kw above	5,200	00
49.	Magnetic Contractor		
a.	15 - 35 Amps	180	00
b.	36 - 55 Amps	210	00
c.	56 - 75 Amps	280	00
d.	76 - 55 Amps	310	00
e.	96 - 115 Amps	380	00
f.	116 - 135 Amps	464	00

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
50.	Coil Voltage 220V		
a.	15 - 35 Amps	88	00
b.	16 - 35 Amps	90	00
c.	17 - 35 Amps	90	00
d.	18 - 35 Amps	90	00
e.	19 - 35 Amps	110	00
f.	20 - 35 Amps	110	00
51.	Coil Voltage		
a.	15 - 35 Amps	110	00
b.	15 - 35 Amps	110	00
c.	15 - 35 Amps	110	00
d.	15 - 35 Amps	110	00
e.	15 - 35 Amps	120	00
f.	15 - 35 Amps	120	00
52.	To rewind Motors c/w resurfacing, new Bearings, Mounting, Rotor & Stator any Rpm & 1Ph or 3Ph 240/415V 50Hz		
a.	5 – 7.5 Hp	1150	00
b.	10 – 15 Hp	1450	00
c.	16 – 29 Hp	2100	00
d.	30 – 40 Hp	2650	00
e.	41 – 50 Hp	3150	00
f.	51 – 60 Hp	3550	00
g.	61 – 75 Hp	4800	00
53.	Re- winding of Semi-hermatic Compressor c/w new gaskets, overloads & other necessary parts		
a.	10 – 15 TR	3,500	00
b.	20 – 25 TR	3,660	00
c.	30 – 60 TR	4,930	00
d.	61 – 75 TR	6,540	00
54.	COMPRESSOR MOTOR WHOLE ASSY.c/w THERMISETER THERMOSTAT		
a.	Compressor Motor Carrier or York KA13-0075-CAG	5,960	00
b.	Compressor Motor 10TR any brand	5,960	00

FSR/14/25

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
55.	REFRIGERANT GAS, etc.....		
a.	Refrigerant R11 /Kg	33	00
b.	Refrigerant R12 /Kg	24	00
c.	Refrigerant R22 /Kg	33	00
d.	Refrigerant R134a,407,404,410A /Kg	48	00
e.	Nitrogen /Kg	18	00
56.	COMPRESSOR OIL (YORK/SUNISO/CARRIER) suitable for refrigerant systems R11,R12, R22 & R134a / litre	150	00
57.	Moisture & Liquid Indicator (Sight Glass)		
a.	3/8 " - 1/2 "	182	00
b.	5/8 " - 1 1/8 "	157	00
58.	Re-insulation of AHU panel with 1 " thick Aeroflex or Superlon	610	00
59.	Re-insulation of AHU panel with 2 " thick Aeroflex or Superlon	655	00
60.	Re-insulation of suction line and drain line with Aeroflex / Superlon c/w denso tape	282	00
61.	Re-insulation of Chilled water pipe or other approved pipe insulation c/w 22G Aluminum sheet cladding & painting wall thickness 3" density 2 lbs / m ²		
a.	Pipe size 3 – 5 "dia	400	00
b.	Pipe size 6 – 9 " dia	400	00
c.	Pipe size 10 – 12 " dia	450	00
d.	Pipe size below 3 " dia. (with approved insulation for indoor use, 1 1/2 " - 2 " thick c/w vapour barrier). Aeroflex / Superlon / m ²	150	00
62.	Re-insulation of Chilled water pipe c/w pre-formed polystyrene foam pipe insulation with steel wire mesh and and hard setting cement for pipe size greater than 3 " / m ²	420	00
63.	Liquid line solenoid valve c/w solenoid coil (24/110/240V 50Hz) Any size	650	00
64.	Hand valves for Refrigerant line size less than 2" / m ²	120	00
65.	PVC drain pipe c/w fittings (bends, elbows, traps, tees etc...)		
a.	Pipe size below 1 1/2 " dia.	180	00
b.	Pipe size 1 5/8 " - 2 " dia.	180	00
c.	Pipe size 2 1/4 " - 4 " dia.	220	00
66.	G.I drain pipe c/w fittings (bends,elbows, traps, tees welding & brazing etc.... 1/2 " - 3 "	250	00

FSR/15/25

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
67.	Hi Pressure Cut out switch 0 – 400 psig auto/manual reset	686	00
68.	Lo Pressure Cut out switch 0 – 400 psig auto/manual reset	684	00
69.	Oil Pressure Control switch auto/manual reset	886	00
70.	Dial Pressure gauge 3 – 4 inch dia. 0 – 60 psig	325	00
71.	Compressor unloader solenoid coil 120/240 VAC 50Hz York or equivalent	985	00
72.	Refrigerant Suction line filter Drier		
a.	1/2 " - 5/8" ODF	270	00
b.	3/4 " - 7/8" ODF	289	00
c.	1/8 " - 5/8 " ODF	320	00
73.	Replaceable Core Type Filter Drier Shell only		00
a.	C485 5/8" ODF	300	00
b.	C487 7/8" ODF	350	00
c.	C489G 1 1/8 " ODF	400	00
d.	C9611G 1 3/8 " ODF	400	00
e.	C9613G 1 5/8 " ODF	480	00
f.	C19217 2 1/8 " ODF	480	00
74.	Supply & install Cooling Tower Intake Louvers		
a.	Kuken 300, 400, 1000	1890	00
75.	Gate Valve		00
a.	3 " dia.	480	00
b.	4 " dia.	480	00
c.	5 " dia.	660	00
d.	8 " dia.	750	00
e.	10 " dia.	880	00
f.	12 " dia.	950	00
g.	14 " dia.	1080	00
76.	Cooling Tower Infill		
a.	Kuken 300, 400, 1000	3900	00

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
77.	Strainer Whole Assembly		
a.	Strainer ½ “	250	00
b.	Strainer ⅝”	280	00
c.	Strainer 2 “	290	00
d.	Strainer 3 “	320	00
e.	Strainer 4 “	340	00
78.	Air Vent ½ “ dia.	395	00
79.	Air Vent 1 “ dia.	395	00
80.	Single PVC cable surface wiring in GI Metal Conduit with Trunking breaking rate 600VAC b50Hz		
a.	1.5 mm ²	15	00
b.	2.5 mm ²	15	00
c.	4 mm ²	18	00
d.	6 mm ²	20	00
e.	10 mm ²	25	00
f.	16 mm ²	30	00
g.	25 mm ²	37	00
h.	35 mm ²	47	00
i.	50 mm ²	57	00
81.	4-Core Armoured cable PVC/SWA/PVC, XPLE wiring on heavy gauge Epoxy coated G.I. metal trunking c/w aluminum, saddles, steel brackets, gland, cable lug, shrinking insulation, etc..... rating: 1000VAC, 3Ph, 50Hz		
a.	1.5 mm ²	150	00
b.	2.5 mm ²	150	00
c.	4 mm ²	180	00
d.	6 mm ²	240	00
e.	10 mm ²	250	00
f.	16 mm ²	250	00
g.	25 mm ²	270	00
h.	35 mm ²	295	00
i.	50 mm ²	320	00
j.	70 mm ²	380	00
k.	95 mm ²	425	00
l.	120 mm ²	398	00
m.	150 mm ²	415	00
n.	185 mm ²	435	00
o.	240 mm ²	488	00

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
82.	310 Replaceable Air Pre-Filters, disposable, adhesive coated fiber glass with resistance not less than 80%		
a.	24" X 24" X 2 "	998	00
b.	12" X 24 X 2 "	848	00
83.	Replaceable Air Pre-Filters, as above in Roll Form 2"thick and approx 65 ft.	1500	00
84.	Medium Efficiency Filter Ultra fine glass fiber media suitably supported and reinforced, initial resistance (clean) shall be 4"w.g.@ 500Rpm air velocity dust spot efficiency 85% suitable for insulation in AAF ASTROSEAL or as approved by BESS.		
a.	24" X 24" X 12 "	780	00
b.	24" X 12" X 12 "	720	00
85.	High Efficiency filter HEPA type in metal frame water proofed, fire retardant, efficiency not less than 95% by DOP initial resistance not less than 1"w.g.		
a.	24" X 24" X 12 "	895	00
b.	24" X 12" X 12 "	780	00
86.	Fine Dust filters LUWA FP-85-P305	260	00
87.	Fine Dust filters LUWA FP-85-P610	360	00
88.	Ultra Fine V- filters LUWA 412350070	380	00
89.	Bearing over 4 " including holes (pillow, block, flange and others)	1780	00
90.	Resurfacing of Shaft for AHU motors	8780	00
91.	Resurfacing of Shaft for Pump motors	9780	00
92.	Materials for repairing leaks. To provide all the required materials to repair all leaks, install new compressor c/w oil & gas or overhaul to working order as instructed by designated officer, Labour charge are no chargeable.	18000	00
93.	Cooling Tower (LBC 1000, 400, 300)		
a.	Repair Cooling Tower Basin leaks with fiber glass and resin (whole)	3600	00
b.	Float valve c/w float assembly	4900	00
	Spares for York Screw Chiller R22 Model No. YSDBDA S35 CFA. Capacity 250 TR	6800	00
94.	Valve Butterfly 300 R22 S3 compressors part no.022-08848-000	1800	00
95.	Shim motor mounting part n. 066-87439-000	780	00
96.	Shim motor mounting part n. 066-92388-000	780	00
97.	Shim motor mounting part n. 066-92389-000	890	00
98.	Compressor S3 Oil separator part no. 376-74210-000 / litres	195	00
99.	Cooler with standard compant water boxes DB (cooler code)		
a.	1 pass channel (gasket type). /m	680	00
b.	2 pass channel (gasket type). /m	888	00
c.	3 pass channel (gasket type). /m	1800	00

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
100	Condenser with standard compant water boxes DA (condenser code)		
a.	1 pass channel (gasket type) / m	680	00
b.	2 pass channel (gasket type) / m	880	00
101	Packing 1250 GPM Crane	800	00
102	ACR Smart Reader Data Logger	950	00
103	AHU air filter		
a.	filter with frame	85	00
b.	filter without frame	65	00
104	Alpha Cell HEPA Filters ACG2-122412 Size 12' x 24' x 11.5'	1490	00
105	Supply and install Screw Chiller Solenoid Coil Part No.951A0056H03 (451850)	2312	00
106	Fan motor DX Condensing Unit P/N. 024-18397-700	7377	00
107	S.C.R. controller for Solid Sate Starter	2815	00

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ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
108	VAV motor	450	00
109	Variable Speed Drive 4kW 5.3hp	3650	00
110	Thermostatic Expansion Valve		
a.	5 – 10 TR	1805	00
b.	11 – 30 TR	2805	00
c.	31 – 50 TR	3300	00
d.	51 – 75 TR	4800	00
e.	76 – 96 TR	5500	00
111	Air Filter for FCU duct Concealed c/w frame	220	00
112	Thermistor	890	00
113	Microprocessor Board	9200	00
114	C.P.C. Sensor	2800	00
115	Relay Board	3500	00
116	Compressor Service Valve		
a.	½ - ¾ "	685	00
b.	7/8 - 1 1/8 "	785	00
c.	1 3/8 - 2 1/8 "	854	00
117	Semi Hermetic compressor (Carrier) D6E4265-275-299 (R134A)	45000	00
118	York / Carrier / Daikin Air Cooled Chiller		00
a.	York/carrier / Daikin Compressor 70-85 TR Complete set	98,000	00
b.	Power Relay Board	3500	00
c.	Microprocessor Board	9200	00
d.	Transducer Oil, LP, HP	2900	00
e.	Condenser Fan Speed Controller	200	00
119	To rewind stator coil for Compressor York/Carrier or any brand		
a.	40Hp – Upwards	5100	00

120.	To rewind condensing fan motors 1.0Hp 415V with new bearing	780	00
121.	AIR HANDING UNIT brand York/Daikin/Carrier or any make		
a.	AHU smoke detector	1800	00
b.	Air Filter	380	00
c.	Motorized Actuator Valve for AHU	2500	00
d.	Temperature sensor for AHU	3100	00
e.	Pressure gauge for AHU	970	00

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ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
122	AHU belting with any types and size	95	00
123	FAN COIL UNIT brand York/Daikin/Carrier or any make		
a.	Motorized Valve actuator	450	00
b.	Digital Thermostat c/w accesories	500	00
124.	Fuses up to include 100Amps (HRC) and re-wireable	38	00
125	Condensing Motor Bearing	178	00
126	Indicator bulbs of all type for switch board	105	00
127	Water pump gland packing/shaft seal/mechanical seal	4500	00
128	Filter Drier Core H48	484	00
129	Compressor Oil 3GS / litres	150	00
130	Piston Ring (Coil /Compression)	690	00
131	Suction Valve Plate Assy	780	00
132	Discharge Valve Plate	890	00
133	Expansion Valve : 70TR to upwards	8500	00
134	Thermistor Sensor	890	00
135	Discharge Transducer	2800	00
136	Suction Transducer	2800	00
137	Suction Valve Spring	260	00
138	Discharge Valve Spring	3890	00
139	Piston Assy	1900	00
140	Connection Rod Assy	350	00
141	Pump Bearing	300	00
142	Pump Motor Bearing	3900	00
143	Pump Mechanical Seal	2800	00
144	Overhauling Gasket Set	1900	00
145	Water Flow Switch	2500	00
146	Descaling chiller barrel c/w gasket set and chemical (upto200 ton)	5800	00
147	Descaling chiller barrel c/w gasket set and chemical (above 2 00 ton)	6800	00
148	Annual servicing chiller c/w gasket set and oil (up to 500 ton) by manufacture specialist	25000	00
149	Overhauling of chilled/ conditioning water pump c/w bearing , mechanical seal etc	10800	00

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ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
150	Pulley 4"-12"	1650	00
151	Cassette type FCU Drain Pump	200	00
152	Replace GI Pipe c/w fittings ¾" - 2 " / metre	180	00
153	Inverter PCB/Outdoor		
a.	4 HP	620	00
b.	5 HP	670	00
c.	6 HP	750	00
154	Compressor PCB		
a.	4 HP	780	00
b.	5 HP	830	00
c.	6 HP	880	00
155	Inverter FCU PCB/ Indoor		
a.	4 HP	680	00
b.	5 HP	800	00
c.	6 HP	880	00
156	Rewind electric motor for AHU and chiller condensing fan motor as per HP:		
a.	1 - 4	1150	00
b.	5 - 10	2580	00
c.	11 - 15	3000	00
d.	16 -29	3500	00
e.	30 - 40	4800	00
f.	41 - 50	6500	00
g.	51 - 60	7800	00
h.	61 - 75	9900	00
i.	76 - 90	14900	00
j.	91 - 110	16000	00
k.	111 - 125	18900	00
157	Supply and install new fan motor for chilled water FCU, c/w new bracket and blower fan	690	00
158	Refill refrigerant R32 per kg	65	00
159	DAIKIN VRV		
	<u>MASTER SYSTEM</u>		
a.	Inverter fan PC board	2800	00
b.	Inverter compressor PC board	5850	00
c.	Power supply noise filter PC board	2850	00
	<u>SLAVE SYSTEM</u>		
a.	Inverter PC board	2800	00
b.	Inverter compressor PC board	5850	00
c.	Master PC board	4500	00
d.	Noise filter PC board	2850	00

ITEM NO	DESCRIPTION (As described below or approved equivalent)	RATE	
		\$	cts
160	To supply and replace electric motor bearings for any size	300	00
161	To supply and replace pillow block bearings for any size	300	00
162	To supply and replace digital timer for AHU	400	00
163	To supply and replace welded copper refrigerant ball valves (insulation valves) for 1 FCU - 2 valves, size 3/8" x 5/8"	480	00
164	To supply and replace thermistors (indoor sensors) for 1 FCU - 3 sets (Daikin VRV, Mitsubishi VRV, or equivalent)	600	00
165	To supply and replace thermistors (outdoor sensors) for 1 condensing unit - 5 to 7 sets (Daikin VRV, Mitsubishi VRV, or equivalent)	1200	00
166	To supply and replace electronic expansion valve (EEV)	400	00
167	To supply and replace variable speed drive (VSD)		
	i) 3 kw and 4 hp VSD	2800	00
	ii) 5.5 kw and 7.5 hp VSD	4500	00
	iii) 11 kw and 15 hp VSD	5000	00
	iv) 22 kw and 30 hp VSD	9000	00
	VRV (Mitsubishi)		
168	To supply and replace main control board	4500	00
169	To supply and replace noise filter power supply board	3800	00
170	To supply and replace solenoid motorized valve	800	00
171	To supply and replace temperature sensors	1200	00
172	To supply and replace inverter fan board	3500	00
173	To supply and replace inverter compressor board	5850	00
174	To supply and replace terminal block transmission / communication board	3600	00
* (+) PLUS / (-) MINUS% (.....PERCENTUM)			

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Validity Offer : **6 (six) months (from the date of quotation)**

Defect Liability period: **6 (six) months**

.....
(Official Chop / Signature)

Liquidated and Ascertained Damages (LAD): **25.00/ day**

For each day the works remain incomplete (If none stated, then the Contract Administrator may certify a reasonable sum as compensation for delay).

Contract period :

One (1) year or when the contract amount is not exceeding fifty thousand Brunei dollar (\$50,000.00), which ever come first

Contract / Address:

(Official Chop /
Signature)

Tel. (off):

H/phone:

Fax. No :

** Class : I and above

** Category:E01, E02, M01