



KENYA REVENUE AUTHORITY

ISO 9001:2015 CERTIFIED

30th May 2024

ADDENDUM "SET 3"

KRA/HQS/NCB-069/2023-2024: Provision of Maintenance and Repair Services for KRA Air Conditioners, Ventilation and Refrigeration Systems (HVAC-R) Countrywide for a Period of Two (2) Years

Kenya Revenue Authority wishes to inform prospective bidders on changes to the Price Schedule, Form of Tender and Tender Closing Date as follows;

No.	Current Requirement	Amended Requirement
1.	Price Schedule	KRA wishes to notify prospective bidders that the Price Schedule has been revised for each LOT as per Annex I: Revised Price Schedule below
2.	Form of Tender	KRA wishes to notify prospective bidders that the Form of Tender has been revised as per the Annex below: Annex II: Revised Form of Tender
3.	Extension of Tender Closing Date and Time	Bidders are notified that the New Tender Closing Date and Time has been extended as follows; 06th June 2024 at 11:00 am, Times Tower Building Bidders are advised to align their Bid Security to the new closing date, i.e. to be valid for 365 days (up to 05th June 2025)
4.	Mandatory Requirement 17: Data Sheets for alternative but equivalent HVAC parts specified by bidder. To be clearly highlighted.	KRA wishes to notify prospective bidders that this requirement has been expunged.
5.	Schedule of Spare Parts	Bidders are advised that they should quote for genuine spare parts compatible with existing equipment. Note: Prices of the parts quoted for should be within prevailing market rates.

The clarification forms part of the bidding document and is binding to the bidder. All other terms and conditions of the tender remain the same. You are therefore required to immediately acknowledge the receipt of this addendum.

Regards,

Bernard Mukundi

FOR: DEPUTY COMMISSIONER - SUPPLY CHAIN MANAGEMENT

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ANNEX I: REVISED PRICE SCHEDULE

A. NAIROBI & CENTRAL REGION

SCHEDULE I: QUOTATION FOR SPARE PARTS (ON NEED BASIS)

Item	Description	Equipment Capacity/Applications	UoM	Rate	Amount (Ksh)
1	240Volts, 50Hz scroll compressor	12k Btu-18k Btu	No		
2	240Volts, 50Hz scroll compressor	24k Btu	No		
3	240/415Volts, 50Hz scroll compressor	36k Btu	No		
4	415Volts, 50Hz scroll compressor	48k Btu	No		
5	415Volts, 50Hz scroll compressor	60k Btu	No		
6	240Volts DC Inverter type compressor	12k Btu – 24k Btu	No		
7	415Volts DC Inverter scroll compressor	36k Btu – 48k Btu	No		
8	415Volts DC Inverter scroll compressor	60k Btu – 100k Btu	No		
9	415Volts DC Inverter scroll compressor	100k Btu and above	No		
10	240Volts, 50Hz, 3pin start capacitor	35μF - 50μF +5	No		
11	240Volts, 50Hz, 2pin start capacitor	35μF - 50μF +5	No		
12	240Volts, 50Hz, fan capacitor	1.5μF-5μF	No		
13	Main PC Board	VRF systems	No		
14	Fan IPDU Card	VRF system	No		
15	Compressor IPDU card	VRF system	No		
16	Main PC Board	Split air conditioners	No		
17	Wireless remote controller	Split air conditioners	No		
18	Wired thermostat/Controller	VRF systems/ Cold stores	No		
19	Universal Remote-control receiver	All	No		
20	240Volts, 50Hz, 100mm – 150mm inline duct fan as breeze or equal	Ventilation system	No		
21	240Volts, 50Hz, 200mm – 250mm inline duct fan as breeze as equal	Ventilation System	No		
22	100mm - 150mm aluminium flexible duct	Ventilation System	LM		
23	200mm aluminium flexible duct	Ventilation System	LM		
24	415Volts, 50Hz, 7.5Kw, 960RPM fan motor	Mechanical ventilation system	No		
25	415Volts, 50Hz, 2.2Kw, 1470RPM fan motor	Mechanical ventilation system	No		
26	415Volts, 50Hz, 7.5Kw, 1450RPM fan motor	Mechanical ventilation system	No		
27	415Volts, 50Hz, 1.1Kw, 960RPM fan motor	Mechanical ventilation system	No		

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28	415Volts, 50Hz, 2.4Kw, 960RPM, 760mmØ axial fan motor	Mechanical ventilation system	No		
29	415Volts, 50Hz, 3.5Kw, 960RPM, 960mmØ axial fan motor	Mechanical ventilation system	No		
30	415Volts, 50Hz, 2.2Kw Box fan motor	Mechanical ventilation system	No		
31	240Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	30-40Amps	No		
32	415Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	60-80Amps	No		
33	Auxiliary contacts (N/O-N/C) as Schneider or equal	All	No		
34	240Volts, 50Hz 24Hour Original timer relay as Orbis or equal	All	No		
35	240Volts, 50Hz timer delay relay with delay selector options as Lovato or equal	All	No		
36	415Volts, 50Hz 3phase failure sequential relay as Lovato or equal	All	No		
37	415Volts Motor overload relay	1.5Amps – 15Amps	No		
38	415Volts Motor overload relay	5Amps – 40Amps	No		
39	63Amps rotary isolator switch	ALL	No		
40	240Volts, 50Hz, 30Amps AVS sollatek or equal	ALL	No		
41	3Pole, 32-63Amps MCB as Schneider or equal	All	No		
42	Single pole, 10-32Amps MCB as Schneider or equal	All	No		
43	4Pole, 63-120 Amps MCCB as Schneider or equal	All	No		
44	LED pilot lights	Control panels	No		
45	Indoor / evaporator fan motor for air conditioners c/w impeller	Close control Unit	Set		
46		Floor standing split Unit	Set		
47		Ceiling cassette unit	Set		
48		High wall unit	Set		
49		Ducted unit	Set		
50		Chiller/ Cold store	Set		
51	Outdoor /condenser fan motor for air conditioners c/w Propeller/ Blade	Close control Unit	Set		
52		VRF System	Set		
53		Floor standing split Unit	Set		
54		Ceiling cassette unit	Set		
55		High wall unit	Set		
56		Cold store	Set		
57	Motor drive V-belts large size	AHU/ Cold stores	No		

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58	Motor drive V-belts medium size		No		
59	Motor drive V-belts small size		No		
60	Pressure cut-out switch-high/low as danfoss or equal	All	No		
61	Defrost timer as danfoss or equal	Cold store	No		
62	Thermostatic Expansion Valve as danfoss or equal	Cold store	No		
63	Electronic Expansion Valve as danfoss or equal	VRF/CCU	No		
64	Filter drier flare type 1/4" – 3/4" as danfoss or equal	All	No		
65	240Volts drain pump for ceiling cassette indoor unit	All	No		
66	2.5mm, 3core CU PVC flexible cable	All	LM		
67	4.0mm, 3core CU PVC flexible cable	All	LM		
68	2.5mm, 4core CU PVC flexible cable	All	LM		
69	2.5mm, 5core CU PVC flexible cable	All	LM		
70	4mm, 5core CU PVC flexible cable	All	LM		
71	4mm, 4core CU PVC flexible cable	All	LM		

SCHEDULE II: QUOTATION FOR REPAIRS AND OTHER HVAC WORKS (ON NEED BASIS)

Item	Scope of work	Equipment type/capacity	Rate	Amount
1	Relocation and re-commissioning of an air conditioning unit including additional pipe works not exceeding 5 meters	12,000Btu/hr – 24,000Btu/hr		
2		36,000Btu/hr – 60,000Btu/hr		
3	Leak testing, sealing, pressure testing and vacuum pulling	12,000Btu/hr – 24,000Btu/hr		
4		36,000Btu/hr – 60,000Btu/hr		
5		Central air conditioning system		
6	Motor rewinding, testing and re-commissioning	2Kw-5.5Kw		
7		5.5Kw and above		
8	Control panel troubleshooting and rewiring services	Star-Delta/ DOL		

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9	Refrigerant gas top-up per KG	R22		
10		R410A		
11		R407		
12		R32		
13		R134A		
14	Minor Plumbing or Builders works	All		
15	Minor repair to duct works	Mechanical ventilation system		
16	2 coats Painting with 1 st quality aluminium paint to galvanized duct sheet surfaces per square metre	Mechanical ventilation system		
17	Spray painting with 1 st Quality gross paint to air diffusers and dampers per set (approximately one square feet)	Mechanical ventilation system		
18	Replacement of air carbonpleat filters including face guard and aluminium/GI frame per square foot	Close Control Units/VRF		
19	Replacement of metal mesh air filters including face guard and aluminium/GI frame per square foot	Mechanical ventilation system (air supply system)		
20	Replacement of washable air filters for air conditioner per square foot	Split Air conditioning systems - Indoor		
21	Copper pipes ragging/insulation per meter length	Air conditioning system		
22	Minor electrical control wiring	Air conditioning system		
23	Compressor overhaul (non-hermetic)	Mark 2 – 4 for cold stores		
24	Compressor oil charge per litre	R22		
25		R410A/407C/R32 /R134A		
26	Fan Motor overhaul and bearing replacement	1.1Kw – 3.5Kw motor		
27		3.5Kw – 7.5Kw Motor		
28	Major overhaul to chiller plant water pumps	Water chiller air conditioner		

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29	Call-out charges for Nairobi & Central Region sites	All		
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SCHEDULE III: QUOTATION FOR MAINTENANCE AND SERVICING OF HVAC EQUIPMENT

S/N	STATION	FLOOR	ASSET DESCRIPTION	MAKE/MODEL	MAINTENANCE FREQUENCY	QUANTITY	RATE PER SCHEDULE	AMOUNT PER SCHEDULE
1	TIMES TOWER	4/3	24,000Btu/Hr ceiling cassette split type	Carrier/38FN018112 3A	Quarterly	1		
2	TIMES TOWER	3/4	36,000Btu/hr Floor standing type	Midea/MCA-36CR	Quarterly	2		
3	TIMES TOWER	3/4	60,000Btu/Hr floor standing split type	Gree/G+0060CR75 SoToo	Quarterly	1		
4	TIMES TOWER	3/4	60,000Btu/Hr floor standing split type	Gree/G+0060CR75 SoToo	Quarterly	1		
5	TIMES TOWER	3/4	60,000Btu/Hr floor standing split type	Trane/RAU100C700 A	Quarterly	1		
6	TIMES TOWER	4	24,000Btu/hr HW split type	Gree/GWH24AAD	Quarterly	2		
7	TIMES TOWER	4/3	24,000Btu/hr Ceiling Cassette split type	Carrier/38GL-02402Co1THC	Quarterly	1		
8	TIMES TOWER	3/4	24,000Btu/hr HW split type	LG/HS-C24656A1	Quarterly	1		
9	TIMES TOWER	3/8	24,000Btu/Hr ceiling cassette split type air conditioner	Carrier/38DG-J024-713F	Quarterly	1		
10	TIMES TOWER	3/8	24,000Btu/Hr ceiling cassette split type air conditioner	LG/AUUQ24GH1	Quarterly	1		
11	TIMES TOWER	3/8	18,000Btu/Hr ceiling cassette split type	Carrier/38FN018112 3A	Quarterly	1		
12	TIMES TOWER	4\3	24,000Btu/hr Ceiling Cassette split type	LG/LT-C246HLE1	Quarterly	1		
13	TIMES TOWER	3\4	24,000Btu/hr HW split type	Mercury/MEMS110 24HR	Quarterly	1		
14	TIMES TOWER	3\4	30KW Close Control Unit with one packaged indoor unit	DENCO	Quarterly	2		
15	TIMES TOWER	3/4	60,000Btu/Hr floor standing split type	Gree/GVA60AH-M3NNA5Ao	Quarterly	1		
16	TIMES TOWER	4	24,000Btu/Hr HW split type	Carrier/42QG24-C	Quarterly	1		

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17	TIMES TOWER	4	24,000Btu/Hr HW split type	LG/HS-C24656A1	Quarterly	1		
18	TIMES TOWER	3	48,000Btu/Hr Ducted air conditioning system	LG/ABUW48LM3S1	Quarterly	1		
19	TIMES TOWER	13/16	24,000Btu/Hr ceiling cassette split type air conditioner	Samsung	Quarterly	2		
20	TIMES TOWER	13/16	12,000Btu/Hr High wall split type air conditioner	LG/SSNH126T4A1	Quarterly	1		
21	TIMES TOWER	16\12	18,000Btu/Hr ceiling cassette split type air conditioner	Carrier/38DGJo18- 713F	Quarterly	7		
22	TIMES TOWER	16/19	18,000Btu/Hr ceiling cassette split type air conditioner	Carrier/38DGJo18- 713F	Quarterly	3		
23	TIMES TOWER	16/23	18,000Btu/Hr ceiling cassette split type air conditioner	Carrier/38DGJo18- 713F	Quarterly	3		
24	TIMES TOWER	24	Potable 12,000Btu/hr air conditioner	RAMTONS	Quarterly	1		
25	TIMES TOWER	30/27	18,000Btu/Hr ceiling cassette split type air conditioner	Carrier/38DGJo18- 713F	Quarterly	2		
26	TIMES TOWER	30	18,000Btu/Hr ceiling cassette split type air conditioner	Carrier/38DGJo18- 713F	Quarterly	1		
27	TIMES TOWER	30/27	18,000Btu/Hr ceiling cassette air conditioning system	Gree/GUGN18NK3 HO	Quarterly	1		
28	TIMES TOWER	30	40KW / 45KW Cooling/ Heating VRF Air conditioning system Outdoor unit	Gree/GMV- 400WM/B1-X	Quarterly	1		
29	TIMES TOWER	30	18,000Btu/hr - 36,000Btu/Hr ducted low static indoor units	Gree/	Quarterly	5		
30	TIMES TOWER	30	17,000Btu/Hr ceiling cassette air conditioning system	Samsung/RC052SH XEC	Quarterly	2		
31	TIMES TOWER	30/27	24,000Btu/Hr ceiling cassette air conditioning system	Gree/GUHN24NK3 Ho	Quarterly	1		
32	TIMES TOWER	30	60,000Btu/Hr Ducted air conditioning system	Gree/HG0048A	Quarterly	1		

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33	TIMES TOWER	32/31	24,000 Btu/hr ceiling cassette air conditioning system	Clint/C-CK-24-R	Quarterly	1		
34	TIMES TOWER	32	Mechanical Ventilation Fan	Woods/JA845043	Quarterly	6		
35	TIMES TOWER	16	Mechanical Ventilation Fan		Quarterly	4		
36	TIMES TOWER	6	Mechanical Ventilation Fan		Quarterly	3		
37	TIMES TOWER	5	Mechanical Ventilation Fan	Woods/JA845043	Quarterly	1		
38	TIMES TOWER	5	Mechanical Ventilation Fan		Quarterly	1		
39	TIMES TOWER	4	Mechanical Ventilation Fan	Woods	Quarterly	2		
40	TIMES TOWER	4	Mechanical Ventilation Fan	Woods/JA845043	Quarterly	3		
41	TIMES TOWER	4	Mechanical Ventilation Fan		Quarterly	1		
42	TIMES TOWER	3	Mechanical Ventilation Fan	Woods	Quarterly	3		
43	TIMES TOWER	3	Mechanical Ventilation Fan		Quarterly	1		
44	TIMES TOWER	GF	Mechanical Ventilation Fan	Woods	Quarterly	3		
45	TIMES TOWER	GF	Mechanical Ventilation Fan		Quarterly	1		
46	SAMEER	4	18,000 Btu/hr high wall	Trane/4TXKFA18SB OOOAA	Quarterly	2		
47	SAMEER	4	24,000 Btu/hr high wall	Trane/4TXKFA24S BOOOAA	Quarterly	1		
48	SAMEER	3	24,000 Btu/hr high wall	Samsung /AR24TSHCBWKN	Quarterly	1		
49	SAMEER - BLOCK C3	GRD-C3	45KW VRV IV Inverter Super Modular Multi System (SMMS) Outdoor unit	Daikin/RXYQ16T7Y 1B	Quarterly	1		
50	SAMEER - BLOCK C3	GRD-C3	33.5KW VRV IV Inverter Super Modular Multi System (SMMS) Outdoor unit	Daikin/RXYQ12T7Y 1B	Quarterly	1		
51	SAMEER - BLOCK C3	2-C3	60,000Btu/Hr Ducted Split air conditioners type	Daikin/RN60CGXVI	Quarterly	2		
52	SAMEER - BLOCK C3	2-C3	12000Btu/Hr - 36,000Btu/Hr Ducted low static indoor units	Daikin/	Quarterly	11		
53	SAMEER - BLOCK C3	2-C3	Kitchen hood extractor system	Faber	Quarterly	1		
54	JKIA	GF	36,000Btu/Hr convertible Split air conditioners type	Chigo/COU-36CR1	Quarterly	1		

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55	JKIA	GF	18,000Btu/Hr convertible Split air conditioners type	Carrier/38QG18H	Quarterly	1		
56	JKIA	GF	18,000Btu/Hr High Wall Split air conditioners type	Gree/GWH18QD	Quarterly	1		
57	ICDE	GF	24,000Btu/Hr High Wall Split inverter air conditioners type	LG/BS-Q246K3A1	Quarterly	1		
58	ICDE	GF	24,000Btu/Hr High Wall Split inverter type air conditioners	LG/BS-Q246K3A1	Quarterly	1		
59	ICDE	1	24,000Btu/Hr ceiling cassette Split inverter type air conditioners	LG	Quarterly	1		
60	USHURU PENSIONS PLAZA	GF	24,000Btu/Hr High Wall Split inverter type air conditioners	LG/544Q24K23QD	Quarterly	1		
61	USHURU PENSIONS PLAZA	4-B	24,000Btu/Hr High Wall Split inverter type air conditioners	BEKO/BAFIo24I	Quarterly	2		
62	USHURU PENSIONS PLAZA	4-B	30KW Close control unit with floor standing under throw indoor air conditioners unit	STULZ/KSVo29A21 P1107190	Quarterly	1		
63	USHURU PENSIONS PLAZA	4-B	61.5KW VRF unit with 12 ductable air conditioners units	Toshiba/MMY-MAP2206T8P-E	Quarterly	1		
64	USHURU PENSIONS PLAZA	5-A	45KW VRF unit with 7 ceiling cassette air conditioners units	Toshiba/MMY-MAP2206T8P-E	Quarterly	3		
65	USHURU PENSIONS PLAZA	5-A	45KW VRF unit with 7 High wall air conditioners units	Toshiba/MMY-MAP2206T8P-E	Quarterly	1		
66	USHURU PENSIONS TOWER	1-B	24,000Btu/hr inverter ceiling cassette Split air conditioners type	LG/ATNQ30GPLA4	Quarterly	1		
67	USHURU PENSIONS TOWER	1-B	18,000Btu/hr ceiling cassette Split air conditioners type	Gree/GUHN18NK3 HO	Quarterly	2		

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68	USHURU PENSIONS TOWER	2-A	18,000Btu/hr ceiling cassette Split air conditioners type	Mitsubishi/FDC50C R-S	Quarterly	1		
69	USHURU PENSIONS TOWER	2-A	24,000Btu/Hr High Wall Split air conditioners type	Mitsubishi/FDC50C R-S	Quarterly	3		
70	USHURU PENSIONS TOWER	7-D	24,000Btu/Hr Convertible Split air conditioners type	Gree/63270050333	Quarterly	2		
71	USHURU PENSIONS TOWER	7-D	24,000Btu/Hr Ceiling Cassette Split air conditioners type	Samsung/AC071NN 4DEH	Quarterly	1		
72	NAMANGA	GF	24,000Btu/Hr High wall split type air conditioner	Carrier	Quarterly	3		
73	NAMANGA	GF	18,000Btu/Hr High wall split type air conditioner	LG	Quarterly	2		
74	NAMANGA	GF	18,000Btu/Hr High wall split type air conditioner	LG	Quarterly	1		
75	LOITOKTOK	1ST	24,000Btu/Hr High wall split type air conditioner	LG	Quarterly	1		
76	KITENGELA	4	18,000Btu/hr Split Type, high wall	LG	Quarterly	1		
77	VEKA PALZA - NYERI	GRD	60,000Btu/Hr floor standing split type	Gree/GVA60AH- M3NNA5A0	Quarterly	2		
78	VEKA PALZA - NYERI	2	12,000Btu/hr High wall split type	Daikin/RQG35TV16 X2Z	Quarterly	1		
79	VEKA PALZA - NYERI	2	18,000Btu/hr High wall split type	Daikin/REG50TV16 U2Z	Quarterly	1		
80	VEKA PALZA - NYERI	GRD	6feet door air curtain	Westpoint/WTNF18 13RC	Quarterly	1		
TOTAL IN KSH								

SCHEDULE IV: QUOTATION FOR SERVICING OF VENTILATION SYSTEMS

ITEM	LOCATION	FLOOR LEVEL	ITEM DESCRIPTION	QUANTITY	MAINTENANCE FREQUENCY	RATE PER SCHEDULE	AMOUNT PER SCHEDULE
1	TIMES TOWER	GF - 30	Lift lobby ceiling Air supply/Return diffusers	120	Quarterly		
2	TIMES TOWER	GF - 4	Banking wing ceiling Air supply/Return diffusers	160	Quarterly		

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3	TIMES TOWER	GF - 2	Tower wing ceiling Air supply/Return diffusers	80	Quarterly		
4	TIMES TOWER	GF - 30	Stair case wall air return diffusers	30	Quarterly		
5	TIMES TOWER	Basements	Banking wing ceiling Air supply/Return diffusers	50	Quarterly		
6	TIMES TOWER	5	Convention centre ceiling/wall Air supply/Return diffusers	30	Quarterly		
7	TIMES TOWER	GF - 30	Centrifugal inline duct extractor fans including the air diffusers & grills	50	Quarterly		
8	UPT-BLOCK A	GF-11	Centrifugal inline duct extractor fans including the air diffusers & grills	24	Quarterly		
9	UPT-BLOCK B/C	GF-7	Centrifugal inline duct extractor fans including the air diffusers & grills	16	Quarterly		
11	UPT-BLOCK D/E	GF-7	Centrifugal inline duct extractor fans including the air diffusers & grills	16	Quarterly		
D	TOTAL IN KSH						

ONE YEAR COST PER SCHEDULE FOR NAIROBI & CENTRAL REGION

Item	Description	Frequency	TOTAL COST (INCL. VAT) PER YEAR
A	SCHEDULE III	4	
B	SCHEDULE IV	4	
TOTAL COST FOR NAIROBI & CENTRAL REGION INCL. VAT. PER YEAR			

B. WESTERN REGION

SCHEDULE I: QUOTATION FOR SPARE PARTS (ON NEED BASIS)

Item	Description	Equipment Capacity/Applications	UoM	Rate	Amount (Ksh)
1	240Volts, 50Hz scroll compressor	12k Btu-18k Btu	No		
2	240Volts, 50Hz scroll compressor	24k Btu	No		
3	240/415Volts, 50Hz scroll compressor	36k Btu	No		
4	415Volts, 50Hz scroll compressor	48k Btu	No		
5	415Volts, 50Hz scroll compressor	60k Btu	No		
6	240Volts DC Inverter type compressor	12k Btu – 24k Btu	No		

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7	415Volts DC Inverter scroll compressor	36k Btu – 48k Btu	No		
8	415Volts DC Inverter scroll compressor	60k Btu – 100k Btu	No		
9	415Volts DC Inverter scroll compressor	100k Btu and above	No		
10	240Volts, 50Hz, 3pin start capacitor	35μF - 50μF +5	No		
11	240Volts, 50Hz, 2pin start capacitor	35μF - 50μF +5	No		
12	240Volts, 50Hz, fan capacitor	1.5μF-5μF	No		
13	Main PC Board	VRF systems	No		
14	Fan IPDU Card	VRF system	No		
15	Compressor IPDU card	VRF system	No		
16	Main PC Board	Split air conditioners	No		
17	Wireless remote controller	Split air conditioners	No		
18	Wired thermostat/Controller	VRF systems/ Cold stores	No		
19	Universal Remote control receiver	All	No		
20	240Volts, 50Hz, 150mm inline duct fan	Ventilation system	No		
21	240Volts, 50Hz, 200mm inline duct fan	Ventilation System	No		
22	150mm aluminium flexible duct	Ventilation System	LM		
23	200mm aluminium flexible duct	Ventilation System	LM		
24	415Volts, 50Hz, 7.5Kw, 960RPM fan motor	Mechanical ventilation system	No		
25	415Volts, 50Hz, 2.2Kw, 1470RPM fan motor	Mechanical ventilation system	No		
26	415Volts, 50Hz, 7.5Kw, 1450RPM fan motor	Mechanical ventilation system	No		
27	415Volts, 50Hz, 1.1Kw, 960RPM fan motor	Mechanical ventilation system	No		
28	415Volts, 50Hz, 2.4Kw, 960RPM, 760mmØ axial fan motor	Mechanical ventilation system	No		

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29	415Volts, 50Hz, 3.5Kw, 960RPM, 960mmØ axial fan motor	Mechanical ventilation system	No		
30	415Volts, 50Hz, 2.2Kw Box fan motor	Mechanical ventilation system	No		
31	240Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	30-40Amps	No		
32	415Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	60-80Amps	No		
33	Auxiliary contacts (N/O-N/C) as Schneider or equal	All	No		
34	240Volts, 50Hz 24Hour Original timer relay as Orbis or equal	All	No		
35	240Volts, 50Hz timer delay relay with delay selector options as Lovato or equal	All	No		
36	415Volts, 50Hz 3phase failure sequential relay as Lovato or equal	All	No		
37	415Volts Motor overload relay	1.5Amps – 15Amps	No		
38	415Volts Motor overload relay	5Amps – 40Amps	No		
39	63Amps rotary isolator switch	ALL	No		
40	240Volts, 50Hz, 30Amps AVS sollatek or equal	ALL	No		
41	3Pole, 32-63Amps MCB as Schneider or equal	All	No		
42	Single pole, 10-32Amps MCB as Schneider or equal	All	No		
43	4Pole, 63-120 Amps MCCB as Schneider or equal	All	No		
44	LED pilot lights	Control panels	No		
45	Indoor / evaporator fan motor for air conditioners c/w impeller	Close control Unit	Set		
46		Floor standing split Unit	Set		
47		Ceiling cassette unit	Set		
48		High wall unit	Set		
49		Ducted unit	Set		

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50		Chiller/ Cold store	Set		
51	Outdoor /condenser fan motor for air conditioners c/w Propeller/ Blade	Close control Unit	Set		
52		VRF System	Set		
53		Floor standing split Unit	Set		
54		Ceiling cassette unit	Set		
55		High wall unit	Set		
56		Cold store	Set		
57	Motor drive V-belts large size	AHU/ Cold stores	No		
58	Motor drive V-belts medium size		No		
59	Motor drive V-belts small size		No		
60	Pressure cut-out switch-high/low as danfoss or equal	All	No		
61	Defrost timer as danfoss or equal	Cold store	No		
62	Thermostatic Expansion Valve as danfoss or equal	Cold store	No		
63	Electronic Expansion Valve as danfoss or equal	VRF/CCU	No		
64	Filter drier flare type 1/4" – 3/4" as danfoss or equal	All	No		
65	240Volts drain pump for ceiling cassette indoor unit	All	No		
66	2.5mm, 3core CU PVC flexible cable	All	LM		
67	4.0mm, 3core CU PVC flexible cable	All	LM		
68	2.5mm, 4core CU PVC flexible cable	All	LM		
69	2.5mm, 5core CU PVC flexible cable	All	LM		
70	4mm, 5core CU PVC flexible cable	All	LM		

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71	4mm, 4core CU PVC flexible cable	All	LM		
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SCHEDULE II: QUOTATION FOR REPAIRS AND OTHER HVAC WORKS (ON NEED BASIS)

Item	Scope of work	Equipment type/capacity	Rate	Amount
1	Relocation and re-commissioning of an air conditioning unit including additional pipe works not exceeding 5 meters	12,000Btu/hr – 24,000Btu/hr		
2		36,000Btu/hr – 60,000Btu/hr		
3	Leak testing, sealing, pressure testing and vacuum pulling	12,000Btu/hr – 24,000Btu/hr		
4		36,000Btu/hr – 60,000Btu/hr		
5		Central air conditioning system		
6	Motor rewinding, testing and re-commissioning	2Kw-5.5Kw		
7		5.5Kw and above		
8	Control panel troubleshooting and rewiring services	Star-Delta/ DOL		
9	Refrigerant gas top-up per KG	R22		
10		R410A		
11		R407		
		R32		
		R134A		
12	Minor Plumbing or Builders works	All		
13	Minor repair to duct works	Mechanical ventilation system		
14	2 coats Painting with 1 st quality aluminium paint to galvanized duct sheet surfaces per square metre	Mechanical ventilation system		
15	Spray painting with 1 st Quality gross paint to air diffusers and dampers per set (approximately one square feet)	Mechanical ventilation system		
16	Replacement of air carbonpleat filters including face guard and aluminium/GI frame per square foot	Close Control Units/VRF		
17	Replacement of metal mesh air filters including face guard and aluminium/GI frame per square foot	Mechanical ventilation system (air supply system)		
18	Replacement of washable air filters for air conditioner per square foot	Split Air conditioning systems - Indoor		
19	Copper pipes ragging/insulation per meter length	Air conditioning system		
20	Minor electrical control wiring	Air conditioning system		

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21	Compressor overhaul (non-hermetic)	Mark 2 – 4 for cold stores		
22	Compressor oil charge per litre	R22		
23		R410A/407C/R32 /R134A		
24	Fan Motor overhaul and bearing replacement	1.1Kw – 3.5Kw motor		
25		3.5Kw – 7.5Kw Motor		
26	Call-out charges for Western Region sites	All		

SCHEDULE III: QUOTATION FOR MAINTENANCE AND SERVICING OF HVAC EQUIPMENT

S/N	STATION	FLOOR	ASSET DESCRIPTION	MAKE	MAINTENANCE FREQUENCY	QUANTITY	RATE PER SCHEDULE	AMOUNT PER SCHEDULE
1	BUSIA	2	12,000Btu/hr ceiling cassette split type	Carrier	Quarterly	4		
2	BUSIA	2	18,000Btu/Hr ceiling cassette split type	Carrier	Quarterly	3		
3	BUSIA	1	22,000Btu/Hr High wall split type	Toshiba	Quarterly	2		
4	BUSIA	1	13,000Btu/Hr High wall split type	Toshiba	Quarterly	1		
5	BUSIA	1	18,000Btu/Hr High wall split type	Carrier	Quarterly	2		
6	BUSIA	1	12,000Btu/Hr High wall split type	Carrier	Quarterly	2		
7	BUSIA	1	18,000Btu/Hr High wall split type	Daikin	Quarterly	1		
8	BUSIA	1	24,000Btu/Hr ceiling cassette split type	Carrier	Quarterly	1		
9	BUSIA	GF	22,000Btu/hr High wall split type	Toshiba	Quarterly	2		
10	BUSIA	GF	32,000Btu/hr High wall split type	Daikin	Quarterly	2		
11	BUSIA	GF	16,000Btu/hr High wall split type	Daikin	Quarterly	1		
12	BUSIA	GF	24,000Btu/hr High wall split type	Panasonic	Quarterly	1		
13	BUSIA	GF	24,000Btu/hr High wall split type	Toshiba	Quarterly	1		
14	BUSIA	GF	Cold Room	Danfoss	Quarterly	2		

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15	MALABA	GF	15,000Btu/hr High wall split type	Toshiba	Quarterly	9		
16	MALABA	GF	18,000Btu/hr High wall split type	Toshiba	Quarterly	6		
17	MALABA	GF	24,000Btu/hr High wall split type	Toshiba	Quarterly	2		
18	MALABA	1	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba	Quarterly	12		
19	MALABA	1	24,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba	Quarterly	2		
20	MALABA	1	12,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba	Quarterly	1		
21	MALABA	1	24,000Btu/hr High wall split type	Panasonic	Quarterly	1		
22	MALABA	1	36,000Btu/hr Split Type, Convertible	Carrier	Quarterly	1		
23	MALABA	Roof top	160,000Btu/hr Super modular multi system (SMMS) out door	Toshiba	Quarterly	4		
24	MALABA	Roof Top	120,000Btu/hr Super modular multi system (SMMS) out door	Toshiba	Quarterly	1		
25	MALABA	Roof Top	100,000Btu/hr Super modular multi system (SMMS) out door	Toshiba	Quarterly	1		
26	MALABA	GF	Cold room	Danfoss	Quarterly	2		
27	ISEBANIA	GF	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba	Quarterly	29		
28	ISEBANIA	GF	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba1219	Quarterly	1		
29	ISEBANIA	GF	12,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba	Quarterly	1		
30	ISEBANIA	GF	160,000Btu/Hr Super Modular Multi System(SMMS) Outdoor unit	Toshiba	Quarterly	5		

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31	ISEBANIA	GF	120,000Btu/Hr Super Modular Multi System(SMMS) Outdoor unit	Toshiba	Quarterly	1		
32	ISEBANIA	GF	80,000Btu/Hr Super Modular Multi System(SMMS) Outdoor unit	Toshiba	Quarterly	1		
33	ISEBANIA	GF	50,000Btu/Hr mini-Super Modular Multi System(SMMS) Outdoor unit	Toshiba	Quarterly	1		
34	ISEBANIA	GF	50,000Btu/Hr Mini-Super Modular Multi System(SMMS) Outdoor unit	Toshiba	Quarterly	1		
35	ISEBANIA	GF	24,000Btu/Hr High wall split type	Toshiba	Quarterly	1		
36	ISEBANIA	GF	2Ton Cold Room equipment	Bitzer	Quarterly	2		
37	ISEBANIA	GF	36,000 Btu/Hr ceiling cassette split type	Toshiba	Quarterly	1		
38	ISEBANIA	1	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba	Quarterly	13		
39	ISEBANIA	1	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba10	Quarterly	1		
40	ISEBANIA	1	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	Toshiba11sa	Quarterly	1		
41	ISEBANIA	1	12,000Btu/Hr ceiling cassette split type	Toshiba	Quarterly	3		
42	ISEBANIA	1	24,000Btu/Hr ceiling cassette split type	Toshiba	Quarterly	2		
43	ISEBANIA	1	24,000Btu/Hr ceiling cassette split type	Von	Quarterly	1		
44	ISEBANIA	1	36,000Btu/Hr Floor standing split type	Carrier	Quarterly	2		
45	KISUMU (LAKE BASIN MALL)	1	18,000Btu/Hr Split Type, High wall	Von	Quarterly	2		
46	KISUMU (LAKE BASIN MALL)	1	18,000Btu/Hr Split Type, High wall	Von	Quarterly	6		
47	KISUMU (LAKE BASIN MALL)	1	18,000Btu/Hr Split Type, High wall	LG	Quarterly	3		

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48	KISUMU (LAKE BASIN MALL)	1	18,000Btu/Hr Split Type, High wall	Samsung	Quarterly	1		
49	KISUMU (LAKE BASIN MALL)	1	12,000Btu/Hr Split Type, High wall	Samsung	Quarterly	1		
50	KISUMU (LAKE BASIN MALL)	2	18,000Btu/Hr Split Type, High wall	Von	Quarterly	2		
51	KISUMU (LAKE BASIN MALL)	2	18,000Btu/Hr Split Type, High wall	Beko	Quarterly	4		
52	KISUMU (LAKE BASIN MALL)	2	18,000Btu/Hr Split Type, High wall	Daikin	Quarterly	1		
53	KISUMU (LAKE BASIN MALL)	2	18,000Btu/Hr Split Type, High wall	LG	Quarterly	1		
54	KISUMU (FORODHA)	GF	36,000Btu/Hr Split Type, High wall	Carrier	Quarterly	2		
55	KISUMU (FORODHA)	1	24,000Btu/Hr Split Type, High wall	Carrier	Quarterly	1		
56	KISUMU (FORODHA)	1	12,000Btu/Hr Split Type, High wall	Von	Quarterly	2		
57	KISUMU (FORODHA)	1	18,000Btu/Hr Split Type, High wall	Daikin	Quarterly	1		
58	KAKAMEGA	1	18,000Btu/Hr Split Type, High wall	Daikin	Quarterly	1		
59	BUNGOMA	1	18,000Btu/Hr Split Type, High wall	Daikin	Quarterly	1		
60	KISII	2	18,000Btu/Hr Split Type, High wall	LG	Quarterly	1		
61	MALABA	GF	24,000Btu/Hr Split Type, High wall	LG	Quarterly	8		
62	MALABA	GF	60,000Btu/Hr floor standing split type	Gree/G+0060CR75SoToo	Quarterly	1		
63	LAKE BASIN MALL - KSM	GF	60,000Btu/Hr floor standing split type	Gree/G+0060CR75SoToo	Quarterly	2		
TOTAL IN KSH								

ONE YEAR COST PER SCHEDULE FOR WESTERN REGION

Item	Description	Frequency	TOTAL COST (INCL. VAT) PER YEAR
A	SCHEDULE III	4	
TOTAL COST FOR WESTERN REGION INCL. VAT. PER YEAR			

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C.NORTH AND SOUTH RIFT REGIONS

SCHEDULE I: QUOTATION FOR SPARE PARTS (ON NEED BASIS)

Item	Description	Equipment Capacity/Applications	UoM	Rate	Amount (Ksh)
1	240Volts, 50Hz scroll compressor	12k Btu-18k Btu	No		
2	240Volts, 50Hz scroll compressor	24k Btu	No		
3	240/415Volts, 50Hz scroll compressor	36k Btu	No		
4	415Volts, 50Hz scroll compressor	48k Btu	No		
5	240Volts DC Inverter type compressor	12k Btu – 24k Btu	No		
6	415Volts DC Inverter scroll compressor	36k Btu – 48k Btu	No		
7	240Volts, 50Hz, 3pin start capacitor	35 μ F - 50 μ F +5	No		
8	240Volts, 50Hz, 2pin start capacitor	35 μ F - 50 μ F +5	No		
9	240Volts, 50Hz, fan capacitor	1.5 μ F-5 μ F	No		
10	Main PC Board	Split air conditioners	No		
11	Wireless remote controller	Split air conditioners	No		
12	Universal Remote control receiver	All	No		
13	240Volts, 50Hz, 150mm inline duct fan	Ventilation system	No		
14	240Volts, 50Hz, 200mm inline duct fan	Ventilation System	No		
15	150mm aluminium flexible duct	Ventilation System	LM		
16	200mm aluminium flexible duct	Ventilation System	LM		
17	240Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	30-40Amps	No		
18	415Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	60-80Amps	No		
19	Auxiliary contacts (N/O-N/C) as Schneider or equal	All	No		
20	240Volts, 50Hz 24Hour Original timer relay as Orbis or equal	All	No		

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21	240Volts, 50Hz timer delay relay with delay selector options as Lovato or equal	All	No		
22	415Volts, 50Hz 3phase failure sequential relay as Lovato or equal	All	No		
23	415Volts Motor overload relay	1.5Amps – 15Amps	No		
24	415Volts Motor overload relay	5Amps – 40Amps	No		
25	63Amps rotary isolator switch	ALL	No		
26	240Volts, 50Hz, 30Amps AVS sollatek or equal	ALL	No		
27	3Pole, 32-63Amps MCB as Schneider or equal	All	No		
28	Single pole, 10-32Amps MCB as Schneider or equal	All	No		
29	4Pole, 63-120 Amps MCCB as Schneider or equal	All	No		
30	LED pilot lights	Control panels	No		
31	Indoor / evaporator fan motor for air conditioners c/w impeller	Ceiling cassette unit	Set		
32		High wall unit	Set		
33	Outdoor /condenser fan motor for air conditioners c/w Propeller/ Blade	Ceiling cassette unit	Set		
34		High wall unit	Set		
35	Filter drier flare type 1/4" – 3/4" as danfoss or equal	All	No		
36	240Volts drain pump for ceiling cassette indoor unit	All	No		
37	2.5mm, 3core CU PVC flexible cable	All	LM		
38	4.0mm, 3core CU PVC flexible cable	All	LM		
39	2.5mm, 4core CU PVC flexible cable	All	LM		
40	2.5mm, 5core CU PVC flexible cable	All	LM		
41	4mm, 5core CU PVC flexible cable	All	LM		
42	4mm, 4core CU PVC flexible cable	All	LM		

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SCHEDULE II: QUOTATION FOR REPAIRS AND OTHER HVAC WORKS (ON NEED BASIS)

Item	Scope of work	Equipment type/capacity	Rate	Amount
1	Relocation and re-commissioning of an air conditioning unit including additional pipe works not exceeding 5 meters	12,000Btu/hr – 24,000Btu/hr		
2		36,000Btu/hr – 60,000Btu/hr		
3	Leak testing, sealing, pressure testing and vacuum pulling	12,000Btu/hr – 24,000Btu/hr		
4		36,000Btu/hr – 60,000Btu/hr		
5	Control panel troubleshooting and rewiring services	All		
6	Refrigerant gas top-up per KG	R22		
7		R410A		
8		R407		
9		R32		
10		R134A		
11	Minor Plumbing or Builders works	All		
12	Replacement of washable air filters for air conditioner per square foot	Split Air conditioning systems - Indoor		
13	Copper pipes ragging/insulation per meter length	Air conditioning system		
14	Minor electrical control wiring	Air conditioning system		
15	Compressor oil charge per litre	R22		
16		R410A/407C/R32 /R134A		
17	Call-out charges for North & South Rift Region sites	All		

SCHEDULE III: QUOTATION FOR MAINTENANCE AND SERVICING OF HVAC EQUIPMENT

S/N	STATION	FLR	ASSET DESCRIPTION	MAKE	MAINTENANCE FREQUENCY	QUANTITY	RATE PER SCHEDULE	AMOUNT PER SCHEDULE
1	ELDORET	GF	24,000Btu/Hr Split Type, high wall	LG	Quarterly	3		
2	ELDORET	4	18,000Btu/Hr Split Type, high wall	VON	Quarterly	2		
3	LODWAR	GF	18000Btu/hr Split Type, high wall	VON	Quarterly	1		
4	LODWAR	GF	18000Btu/hr Split Type, high wall	Ramtons	Quarterly	1		
5	LODWAR	GF	18000Btu/hr Ceiling cassette Split Type	DAIKIN	Quarterly	3		
6	KITALE	1	18,000Btu/Hr Split Type, high wall	Samsung	Quarterly	1		
7	LOKICHOGIO	GF	18,000Btu/Hr Split Type, high wall	Ramtons	Quarterly	1		

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8	NAKURU - RHQS	3	24,000Btu/Hr Split Type, high wall	Airwell	Quarterly	1		
TOTAL IN KSH								

ONE YEAR COST PER SCHEDULE FOR NORTH & SOUTH RIFT REGIONS

Item	Description	Frequency	TOTAL COST (INCL. VAT) PER YEAR
A	SCHEDULE III	4	
TOTAL COST FOR NORTH & SOUTH RIFT REGIONS INCL. VAT. PER YEAR			

A. NORTHERN REGION

SCHEDULE I: QUOTATION FOR SPARE PARTS (ON NEED BASIS)

Item	Description	Equipment Capacity/Applications	UoM	Rate	Amount (Ksh)
1	240Volts, 50Hz scroll compressor	12k Btu-18k Btu	No		
2	240Volts, 50Hz scroll compressor	24k Btu	No		
3	240/415Volts, 50Hz scroll compressor	36k Btu	No		
4	415Volts, 50Hz scroll compressor	48k Btu	No		
5	415Volts, 50Hz scroll compressor	60k Btu	No		
6	240Volts DC Inverter type compressor	12k Btu – 24k Btu	No		
7	415Volts DC Inverter scroll compressor	36k Btu – 48k Btu	No		
8	415Volts DC Inverter scroll compressor	60k Btu – 100k Btu	No		
9	415Volts DC Inverter scroll compressor	100k Btu and above	No		
10	240Volts, 50Hz, 3pin start capacitor	35μF - 50μF +5	No		
11	240Volts, 50Hz, 2pin start capacitor	35μF - 50μF +5	No		
12	240Volts, 50Hz, fan capacitor	1.5μF-5μF	No		

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13	Main PC Board	VRF systems	No		
14	Fan IPDU Card	VRF system	No		
15	Compressor IPDU card	VRF system	No		
16	Main PC Board	Split air conditioners	No		
17	Wireless remote controller	Split air conditioners	No		
18	Wired thermostat/Controller	VRF systems/ Cold stores	No		
19	Universal Remote control receiver	All	No		
20	240Volts, 50Hz, 100mm-150mm inline duct fan	Ventilation system	No		
21	240Volts, 50Hz, 200mm – 250mm inline duct fan	Ventilation System	No		
22	150mm aluminium flexible duct	Ventilation System	LM		
23	200mm aluminum flexible duct	Ventilation System	LM		
24	415Volts, 50Hz, 7.5Kw, 960RPM fan motor	Mechanical ventilation system	No		
25	415Volts, 50Hz, 2.2Kw, 1470RPM fan motor	Mechanical ventilation system	No		
26	415Volts, 50Hz, 7.5Kw, 1450RPM fan motor	Mechanical ventilation system	No		
27	415Volts, 50Hz, 1.1Kw, 960RPM fan motor	Mechanical ventilation system	No		
28	415Volts, 50Hz, 2.4Kw, 960RPM, 760mmØ axial fan motor	Mechanical ventilation system	No		
29	415Volts, 50Hz, 3.5Kw, 960RPM, 960mmØ axial fan motor	Mechanical ventilation system	No		
30	415Volts, 50Hz, 2.2Kw Box fan motor	Mechanical ventilation system	No		
31	240Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	30-40Amps	No		
32	415Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	60-80Amps	No		
33	Auxiliary contacts (N/O-N/C) as Schneider or equal	All	No		

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34	240Volts, 50Hz 24Hour Original timer relay as Orbis or equal	All	No		
35	240Volts, 50Hz timer delay relay with delay selector options as Lovato or equal	All	No		
36	415Volts, 50Hz 3phase failure sequential relay as Lovato or equal	All	No		
37	415Volts Motor overload relay	1.5Amps – 15Amps	No		
38	415Volts Motor overload relay	5Amps – 40Amps	No		
39	63Amps rotary isolator switch	ALL	No		
40	240Volts, 50Hz, 30Amps AVS sollatek or equal	ALL	No		
41	3Pole, 32-63Amps MCB as Schneider or equal	All	No		
42	Single pole, 10-32Amps MCB as Schneider or equal	All	No		
43	4Pole, 63-120 Amps MCCB as Schneider or equal	All	No		
44	LED pilot lights	Control panels	No		
45	Indoor / evaporator fan motor for air conditioners c/w impeller	Close control Unit	Set		
46		Floor standing split Unit	Set		
47		Ceiling cassette unit	Set		
48		High wall unit	Set		
49		Ducted unit	Set		
50		Chiller/ Cold store	Set		
51	Outdoor /condenser fan motor for air conditioners c/w Propeller/ Blade	Close control Unit	Set		
52		VRF System	Set		
53		Floor standing split Unit	Set		
54		Ceiling cassette unit	Set		
55		High wall unit	Set		
56		Cold store	Set		
57	Motor drive V-belts large size	AHU/ Cold stores	No		
58	Motor drive V-belts medium size		No		
59	Motor drive V-belts small size		No		
60	Pressure cut-out switch-high/low as danfoss or equal	All	No		

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61	Defrost timer as danfoss or equal	Cold store	No		
62	Thermostatic Expansion Valve as danfoss or equal	Cold store	No		
63	Electronic Expansion Valve as danfoss or equal	VRF/CCU	No		
64	Filter drier flare type 1/4" – 3/4" as danfoss or equal	All	No		
65	240Volts drain pump for ceiling cassette indoor unit	All	No		
66	2.5mm, 3core CU PVC flexible cable	All	LM		
67	4.0mm, 3core CU PVC flexible cable	All	LM		
68	2.5mm, 4core CU PVC flexible cable	All	LM		
69	2.5mm, 5core CU PVC flexible cable	All	LM		
70	4mm, 5core CU PVC flexible cable	All	LM		
71	4mm, 4core CU PVC flexible cable	All	LM		

SCHEDULE II: QUOTATION FOR REPAIRS AND OTHER HVAC WORKS (ON NEED BASIS)

Item	Scope of work	Equipment type/capacity	Rate	Amount
1	Relocation and re-commissioning of an air conditioning unit including additional pipe works not exceeding 5 meters	12,000Btu/hr – 24,000Btu/hr		
2		36,000Btu/hr – 60,000Btu/hr		
3	Leak testing, sealing, pressure testing and vacuum pulling	12,000Btu/hr – 24,000Btu/hr		
4		36,000Btu/hr – 60,000Btu/hr		
5		Central air conditioning system		
6	Motor rewinding, testing and re-commissioning	2Kw-5.5Kw		
7		5.5Kw and above		
8	Control panel troubleshooting and rewiring services	Star-Delta/ DOL		
9	Refrigerant gas top-up per KG	R22		
10		R410A		
11		R407		
		R32		

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		R134A		
12	Minor Plumbing or Builders works	All		
13	Minor repair to duct works	Mechanical ventilation system		
14	2 coats Painting with 1 st quality aluminum paint to galvanized duct sheet surfaces per square metre	Mechanical ventilation system		
15	Spray painting with 1 st Quality gross paint to air diffusers and dampers per set (approximately one square feet)	Mechanical ventilation system		
16	Replacement of air carbonpleat filters including face guard and aluminium/GI frame per square foot	Close Control Units/VRF		
17	Replacement of metal mesh air filters including face guard and aluminium/GI frame per square foot	Mechanical ventilation system (air supply system)		
18	Replacement of washable air filters for air conditioner per square foot	Split Air conditioning systems - Indoor		
19	Copper pipes ragging/insulation per meter length	Air conditioning system		
20	Minor electrical control wiring	Air conditioning system		
21	Compressor overhaul (non-hermetic)	Mark 2 – 4 for cold stores		
22	Compressor oil charge per litre	R22		
23		R410A/407C/R32 /R134A		
24	Fan Motor overhaul and bearing replacement	1.1Kw – 3.5Kw motor		
25		3.5Kw – 7.5Kw Motor		
26	Call-out charges for Northern Region sites	All		
B	TOTAL IN KSH			

SCHEDULE III: QUOTATION FOR MAINTENANCE AND SERVICING OF HVAC EQUIPMENT

S/N	STATION	FLR	ASSET DESCRIPTION	MAKE	MAINTENANCE FREQUENCY	QUANTITY	RATE PER SCHEDULE	AMOUNT PER SCHEDULE
1.	MOYALE	GF	24,000Btu/Hr Split Type, high wall	Gree	Quarterly	2		
2.	MOYALE	GF	18,000Btu/Hr High Wall Super modular multi system Indoor unit.	CLINT	Quarterly	2		
3.	MOYALE	GF	24,000Btu/Hr High Wall Super modular multi system Indoor unit.	CLINT	Quarterly	4		
4.	MOYALE	1	18,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	CLINT	Quarterly	6		

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5.	MOYALE	1	18,000Btu/Hr High Wall Super modular multi system Indoor unit.	CLINT	Quarterly	2		
6.	MOYALE	1	24,000Btu/Hr ceiling cassette Super modular multi system Indoor unit.	CLINT	Quarterly	5		
7.	MOYALE	GF	2 Tons Cold stores	Bitzer	Quarterly	2		
8.	ISIOLO	1	12,000Btu/Hr Split Type, high wall	GREE	Quarterly	3		
9.	ISIOLO	1	18,000Btu/Hr Split Type, high wall	VON	Quarterly	3		
10.	ISIOLO	1	18,000Btu/Hr Split Type, high wall	LG	Quarterly	7		
11.	EMBU	1	12,000Btu/Hr Split Type, high wall	LG	Quarterly	1		
12.	EMBU	GF	18,000Btu/Hr Split Type, high wall	LG	Quarterly	1		
13.	GARISSA	1	18,000Btu/Hr Split Type, high wall	LG	Quarterly	5		
14.	GARISSA	1	18,000Btu/Hr Split Type, high wall	VON	Quarterly	1		
15.	GARISSA	1	24,000Btu/Hr Split Type, high wall	WESTPOINT	Quarterly	1		
16.	MANDERA	GF	18,000Btu/Hr Split Type, high wall	AIRWELL	Quarterly	5		
17.	MANDERA	GF	18,000Btu/Hr Split Type, high wall	LG	Quarterly	2		
18.	WAJIR	GF	18,000Btu/Hr Split Type, high wall	LG	Quarterly	1		
19.	WAJIR	GF	18,000Btu/Hr Split Type, high wall	VON	Quarterly	4		
TOTAL IN KSH								

ONE YEAR COST PER SCHEDULE FOR NORTHERN REGION

Item	Description	Frequency	TOTAL COST (INCL. VAT) PER YEAR
A	SCHEDULE III	4	
TOTAL COST FOR NORTH & SOUTH RIFT REGIONS INCL. VAT. PER YEAR			

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B. SOUTHERN REGION

SCHEDULE I: QUOTATION FOR SPARE PARTS (ON NEED BASIS)

Item	Description	Equipment Capacity/Applications	UoM	Rate	Amount (Ksh)
1	240Volts, 50Hz scroll compressor	12k Btu-18k Btu	No		
2	240Volts, 50Hz scroll compressor	24k Btu	No		
3	240/415Volts, 50Hz scroll compressor	36k Btu	No		
4	415Volts, 50Hz scroll compressor	48k Btu	No		
5	415Volts, 50Hz scroll compressor	60k Btu	No		
6	240Volts DC Inverter type compressor	12k Btu – 24k Btu	No		
7	415Volts DC Inverter scroll compressor	36k Btu – 48k Btu	No		
8	415Volts DC Inverter scroll compressor	60k Btu – 100k Btu	No		
9	415Volts DC Inverter scroll compressor	100k Btu and above	No		
10	240Volts, 50Hz, 3pin start capacitor	35μF - 50μF +5	No		
11	240Volts, 50Hz, 2pin start capacitor	35μF - 50μF +5	No		
12	240Volts, 50Hz, fan capacitor	1.5μF-5μF	No		
13	Main PC Board	VRF systems	No		
14	Fan IPDU Card	VRF system	No		
15	Compressor IPDU card	VRF system	No		
16	Main PC Board	Split air conditioners	No		
17	Wireless remote controller	Split air conditioners	No		
18	Wired thermostat/Controller	VRF systems/ Cold stores	No		
19	Universal Remote control receiver	All	No		

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20	240Volts, 50Hz, 150mm inline duct fan	Ventilation system	No		
21	240Volts, 50Hz, 200mm inline duct fan	Ventilation System	No		
22	150mm aluminium flexible duct	Ventilation System	LM		
23	200mm aluminium flexible duct	Ventilation System	LM		
24	415Volts, 50Hz, 7.5Kw, 960RPM fan motor	Mechanical ventilation system	No		
25	415Volts, 50Hz, 2.2Kw, 1470RPM fan motor	Mechanical ventilation system	No		
26	415Volts, 50Hz, 7.5Kw, 1450RPM fan motor	Mechanical ventilation system	No		
27	415Volts, 50Hz, 1.1Kw, 960RPM fan motor	Mechanical ventilation system	No		
28	415Volts, 50Hz, 2.4Kw, 960RPM, 760mmØ axial fan motor	Mechanical ventilation system	No		
29	415Volts, 50Hz, 3.5Kw, 960RPM, 960mmØ axial fan motor	Mechanical ventilation system	No		
30	415Volts, 50Hz, 2.2Kw Box fan motor	Mechanical ventilation system	No		
31	240Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	30-40Amps	No		
32	415Volts, 50Hz, contactor with auxiliary contacts as Schneider or equal	60-80Amps	No		
33	Auxiliary contacts (N/O-N/C) as Schneider or equal	All	No		
34	240Volts, 50Hz 24Hour Original timer relay as Orbis or equal	All	No		
35	240Volts, 50Hz timer delay relay with delay selector options as Lovato or equal	All	No		
36	415Volts, 50Hz 3phase failure sequential relay as Lovato or equal	All	No		
37	415Volts Motor overload relay	1.5Amps – 15Amps	No		
38	415Volts Motor overload relay	5Amps – 40Amps	No		
39	63Amps rotary isolator switch	ALL	No		

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40	240Volts, 50Hz, 30Amps AVS sollatek or equal	ALL	No		
41	3Pole, 32-63Amps MCB as Schneider or equal	All	No		
42	Single pole, 10- 32Amps MCB as Schneider or equal	All	No		
43	4Pole, 63-120 Amps MCCB as Schneider or equal	All	No		
44	LED pilot lights	Control panels	No		
45	Indoor / evaporator fan motor for air conditioners c/w impeller	Close control Unit	Set		
46		Floor standing split Unit	Set		
47		Ceiling cassette unit	Set		
48		High wall unit	Set		
49		Ducted unit	Set		
50		Chiller/ Cold store	Set		
51	Outdoor /condenser fan motor for air conditioners c/w Propeller/ Blade	Close control Unit	Set		
52		VRF System	Set		
53		Floor standing split Unit	Set		
54		Ceiling cassette unit	Set		
55		High wall unit	Set		
56		Cold store	Set		
57	Motor drive V-belts large size	AHU/ Cold stores	No		
58	Motor drive V-belts medium size		No		
59	Motor drive V-belts small size		No		
60	Pressure cut-out switch-high/low as danfoss or equal	All	No		

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61	Defrost timer as danfoss or equal	Cold store	No		
62	Thermostatic Expansion Valve as danfoss or equal	Cold store	No		
63	Electronic Expansion Valve as danfoss or equal	VRF/CCU	No		
64	Filter drier flare type 1/4" – 3/4" as danfoss or equal	All	No		
65	240Volts drain pump for ceiling cassette indoor unit	All	No		
66	2.5mm, 3core CU PVC flexible cable	All	LM		
67	4.0mm, 3core CU PVC flexible cable	All	LM		
68	2.5mm, 4core CU PVC flexible cable	All	LM		
69	2.5mm, 5core CU PVC flexible cable	All	LM		
70	4mm, 5core CU PVC flexible cable	All	LM		
71	4mm, 4core CU PVC flexible cable	All	LM		

SCHEDULE II: QUOTATION FOR REPAIRS AND OTHER HVAC WORKS (ON NEED BASIS)

Item	Scope of work	Equipment type/capacity	Rate	Amount
1	Relocation and re-commissioning of an air conditioning unit including additional pipe works not exceeding 5 meters	12,000Btu/hr – 24,000Btu/hr		
2		36,000Btu/hr – 60,000Btu/hr		
3	Leak testing, sealing, pressure testing and vacuum pulling	12,000Btu/hr – 24,000Btu/hr		
4		36,000Btu/hr – 60,000Btu/hr		
5		Central air conditioning system		
6	Motor rewinding, testing and re-commissioning	2Kw-5.5Kw		
7		5.5Kw and above		
8	Control panel troubleshooting and rewiring services	Star-Delta/ DOL		
9	Refrigerant gas top-up per KG	R22		
10		R410A		

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11		R407		
		R32		
		R134A		
12	Minor Plumbing or Builders works	All		
13	Minor repair to duct works	Mechanical ventilation system		
14	2 coats Painting with 1 st quality aluminum paint to galvanized duct sheet surfaces per square metre	Mechanical ventilation system		
15	Spray painting with 1 st Quality gross paint to air diffusers and dampers per set (approximately one square feet)	Mechanical ventilation system		
16	Replacement of air carbonpleat filters including face guard and aluminium/GI frame per square foot	Close Control Units/VRF		
17	Replacement of metal mesh air filters including face guard and aluminium/GI frame per square foot	Mechanical ventilation system (air supply system)		
18	Replacement of washable air filters for air conditioner per square foot	Split Air conditioning systems - Indoor		
19	Copper pipes ragging/insulation per meter length	Air conditioning system		
20	Minor electrical control wiring	Air conditioning system		
21	Compressor overhaul (non-hermetic)	Mark 2 – 4 for cold stores		
22	Compressor oil charge per litre	R22		
23		R410A/407C/R32 /R134A		
24	Fan Motor overhaul and bearing replacement	1.1Kw – 3.5Kw motor		
25		3.5Kw – 7.5Kw Motor		
26	Call-out charges for Southern Region sites	All		

SCHEDULE III: QUOTATION FOR MAINTENANCE AND SERVICING OF HVAC EQUIPMENT

S/N	STATION	FLOOR	DESCRIPTION & CAPACITY	MAKE	QUANTITY	MAINTENANCE FREQUENCY	RATE PER SCHEDULE	AMOUNT PER SCHEDULE
1.	CUSTOM HOUSE	GRND	18000BTU/Hr hi-wall split type	GREE	5	Quarterly		
3.	CUSTOM HOUSE	GRND	12000BTU/Hr hi-wall split type	LG	2	Quarterly		
5.	CUSTOM HOUSE	GRND	12000BTU/Hr hi-wall split type	SAMSUNG	1	Quarterly		
7.	CUSTOM HOUSE	GRND	18000BTU/Hr hi-wall split type	UNIONAI RE	1	Quarterly		

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10.	CUSTOM HOUSE	GRND	24000BTU/Hr hi-wall split type	GREE	2	Quarterly		
12.	CUSTOM HOUSE	1ST	24000BTU/Hr hi-wall split type	GREE	2	Quarterly		
13.	CUSTOM HOUSE	1ST	18000BTU/Hr hi-wall split type	LG	6	Quarterly		
17.	CUSTOM HOUSE	1ST	18000BTU/Hr hi-wall split type	GREE	4	Quarterly		
18.	CUSTOM HOUSE	1ST	18000BTU/Hr hi-wall split type	UNIONAR E	2	Quarterly		
26.	CUSTOM HOUSE	2ND	18000BTU/Hr hi-wall split type	WESTPOI NT	4	Quarterly		
28.	CUSTOM HOUSE	2ND	18000BTU/Hr hi-wall split type	LG	3	Quarterly		
29.	CUSTOM HOUSE	2ND	18000BTU/Hr hi-wall split type	UNIONAR E	2	Quarterly		
30.	CUSTOM HOUSE	2ND	18000BTU/Hr hi-wall split type	GREE	12	Quarterly		
38.	CUSTOM HOUSE	2ND	24,000BTU/Hr hi-wall split type	GREE	1	Quarterly		
44.	CUSTOM HOUSE	2ND	24,000BTU/Hr hi-wall split type	GREE	1	Quarterly		
45.	CUSTOM HOUSE	2ND	24,000Btu/Hr ceiling cassette split type air conditioner	UNIONAR E	2	Quarterly		
47.	CUSTOM HOUSE	2ND	24000BTU/Hr hi-wall split type	GREE	1	Quarterly		
52.	CUSTOM HOUSE	2ND	36,000Btu/Hr floor standing split type air conditioner	GREE	2	Quarterly		
54.	CUSTOM HOUSE	2ND	18000BTU/Hr hi-wall split type	AIRKOOL	1	Quarterly		
55.	CUSTOM HOUSE	3RD	18000BTU/Hr hi-wall split type	WESTPOI NT	4	Quarterly		
56.	CUSTOM HOUSE	3RD	18000BTU/Hr hi-wall split type	GREE	22	Quarterly		
62.	CUSTOM HOUSE	3RD	18000BTU/Hr hi-wall split type	PANASHC O	1	Quarterly		
68.	CUSTOM HOUSE	3RD	24000BTU/Hr hi-wall split type	GREE	1	Quarterly		
69.	CUSTOM HOUSE	3RD	36,000Btu/Hr floor standing split type air conditioner	GREE	3	Quarterly		
85.	CUSTOM HOUSE	3RD	18000BTU/Hr hi-wall split type	SAMSUNG	1	Quarterly		

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87.	CUSTOM HOUSE	4TH	18000BTU/Hr hi-wall split type	UNIONAI RE	2	Quarterly		
88.	CUSTOM HOUSE	4TH	18000BTU/Hr hi-wall split type	GREE	3	Quarterly		
89.	CUSTOM HOUSE	4TH	18000BTU/Hr hi-wall split type	WESTPOI NT	1	Quarterly		
93.	CUSTOM HOUSE	4	24000BTU/Hr hi-wall split type	GREE	1	Quarterly		
94.	CUSTOM HOUSE	5TH	18000BTU/Hr hi-wall split type	UNIONAR E	1	Quarterly		
95.	CUSTOM HOUSE	5TH	18000BTU/Hr hi-wall split type	GREE	3	Quarterly		
96.	CUSTOM HOUSE	5TH	18000BTU/Hr hi-wall split type	PANASHC O	1	Quarterly		
97.	CUSTOM HOUSE	5TH	18000BTU/Hr hi-wall split type	WESTPOI NT	3	Quarterly		
102.	MOI AIRPORT MSA	SEVER ROOM	24,000BTU/Hr hi-wall split type	GREE	1	Quarterly		
103.	LUNGA LUNGA	Customs Kenya	19,100 Btu Highwall Split type AC	LG	4	Quarterly		
107.	LUNGA LUNGA	KWS	19,100 Btu Highwall Split type AC	LG	3	Quarterly		
110.	LUNGA LUNGA	V.I.P. Lounge	19,100 Btu Highwall Split type AC		1	Quarterly		
111.	LUNGA LUNGA	I.T. Tanzania	19,100 Btu Highwall Split type AC	LG	1	Quarterly		
112.	LUNGA LUNGA	I.T. Tanzania	52,000 Btu freestanding Split type AC	LG	2	Quarterly		
113.	LUNGA LUNGA	Board Room	24,200 Btu Highwall Split type AC	LG	2	Quarterly		
115.	LUNGA LUNGA	I.T. Kenya	24,200 Btu Highwall Split type AC	LG	1	Quarterly		
117.	LUNGA LUNGA	Security Room	24,200 Btu Highwall Split type AC	LG	1	Quarterly		
118.	LUNGA LUNGA	Police Post	18,000 Btu Highwall Split type AC	LG	2	Quarterly		
120.	LUNGA LUNGA	Police Post	19,100 Btu Ceiling Cassette Split type AC	LG	4	Quarterly		
124.	LUNGA LUNGA	Deputy O.C. Office	19,100 Btu Ceiling Cassette Split type AC	LG	1	Quarterly		
125.	LUNGA LUNGA	NSIS	19,100 Btu Ceiling Cassette Split type AC	LG	2	Quarterly		

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127.	LUNGA LUNGA	Kenya Port	19,100 Btu Ceiling Cassette Split type AC	LG	1	Quarterly		
128.	LUNGA LUNGA	Kenya Port Health	24,200 Btu Ceiling Cassette Split type AC	LG	1	Quarterly		
129.	LUNGA LUNGA	Customs Tanzania	19,100 Btu Ceiling Cassette Split type AC	LG	2	Quarterly		
131.	LUNGA LUNGA	Customs Kenya	19,100 Btu Ceiling Cassette Split type AC	LG	2	Quarterly		
133.	LUNGA LUNGA	Immigrati on Passenger Hall TZ	24,200 Btu Ceiling Cassette Split type AC	LG	2	Quarterly		
135.	LUNGA LUNGA	Immigrati on Upstairs	19,100 Btu Ceiling Cassette Split type AC	LG	3	Quarterly		
138.	LUNGA LUNGA	Immigrati on Tz	19,100 Btu Ceiling Cassette Split type AC	LG	1	Quarterly		
139.	LUNGA LUNGA	KEBS Staff	19,100 Btu Ceiling Cassette Split type AC	LG	2	Quarterly		
141.	LUNGA LUNGA	KEPHIS/ KEBS	19,100 Btu Ceiling Cassette Split type AC	LG	3	Quarterly		
144.	LUNGA LUNGA	KEPHIS/ KEBS	24,000 Btu HW Split type AC	LG	1	Quarterly		
145.	LUNGA LUNGA	Pharmacy and Poisons	19,100 Btu Ceiling Cassette Split type AC	LG	4	Quarterly		
149.	LUNGA LUNGA	Verificatio n Area	19,100 Btu Highwall Split type AC	LG	1	Quarterly		
150.	LUNGA LUNGA	Verificatio n Area	24,000 Btu Highwall Split type AC	LG	2	Quarterly		
152.	LUNGA LUNGA	Verificatio n Area (Server Room)	19,100 Btu Highwall Split type AC	LG	1	Quarterly		
153.	LUNGA LUNGA	Verificatio n	18,000 Btu Highwall Plasma Split type AC	LG	2	Quarterly		
155.	LUNGA LUNGA	Switch Board	24,000 Btu Highwall Split type AC	SAMSUNG	2	Quarterly		
157.	LUNGA LUNGA	Enforceme nt Office Ground floor	19,100 Btu Highwall Split type AC	LG	2	Quarterly		
159.	TAVETA	Radio room	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
160.	TAVETA	Anti- narcotics	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
162.	TAVETA	CID room	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
163.	TAVETA	KWS	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		

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164.	TAVETA	OCS	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
165.	TAVETA	Administration police	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
166.	TAVETA	Immigration TZ	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
168.	TAVETA	NIS	18,000btu ceiling cassette split type air conditioner	TOSHIBA	3	Quarterly		
171.	TAVETA	Server room	48,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
173.	TAVETA	Customs TZ and secretary	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
175.	TAVETA	Customs manager	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
177.	TAVETA	VIP lounge	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
178.	TAVETA	IT Kenya	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
179.	TAVETA	Boardroom	24,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
181.	TAVETA	IT Tanzania	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
183.	TAVETA	Immigration KENYA /TZ	18,000btu ceiling cassette split type air conditioner	TOSHIBA	4	Quarterly		
187.	TAVETA	EAC Office property manager	18,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
188.	TAVETA	Port health	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
190.	TAVETA	KEPHIS/K EBS office	18,000btu ceiling cassette split type air conditioner	TOSHIBA	3	Quarterly		
193.	TAVETA	KEPHIS/K EBS Laboratory	24,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
194.	TAVETA	KEPHIS/K EBS office TZ/Kenya	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
196.	TAVETA	KEBS	18,000btu ceiling cassette split type air conditioner	TOSHIBA	3	Quarterly		
199.	TAVETA	KEBS Laboratory	24,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
200.	TAVETA	Verification, 1 st floor	18,000btu ceiling cassette split type air conditioner	TOSHIBA	3	Quarterly		
203.	TAVETA	Verification ground floor	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		

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205.	TAVETA	Verification	24,000btu ceiling cassette split type air conditioner	TOSHIBA	1	Quarterly		
206.	TAVETA	Customs TZ/Kenya	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
208.	TAVETA	Security office/Xray	18,000btu ceiling cassette split type air conditioner	TOSHIBA	2	Quarterly		
210.	MALINDI	GRND	18000BTU/Hr floor standing split type	PANASHNO	3	Quarterly		
212.	MALINDI	GRND	24,000Btu/Hr ceiling cassette split type air conditioner	UNIONARE	1	Quarterly		
214.	MALINDI	GRND	18000BTU/Hr floor standing split type	FAVOR COOL	1	Quarterly		
215.	MALINDI	GRND	18000BTU/Hr floor standing split type	GREE	1	Quarterly		
216.	MALINDI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	GREE	1	Quarterly		
217.	KILINDINI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	LG	2	Quarterly		
219.	KILINDINI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	GREE	2	Quarterly		
221.	KILINDINI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	MIKA	1	Quarterly		
222.	KILINDINI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	GREE	1	Quarterly		
223.	KILINDINI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	AIRCOOL	3	Quarterly		
224.	KILINDINI	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	PANASONIC	1	Quarterly		
225.	KILINDINI	GRND	18,000 Btu/Split Highwall Unit	SAMSUNG	1	Quarterly		
229.	KILINDINI	1ST	18,000Btu/Hr High wall reverse cycle split type air conditioner	LG	2	Quarterly		
230.	KILINDINI	1ST	18,000 Btu/Split Highwall Unit	SAMSUNG	2	Quarterly		
232.	KILINDINI	1ST	18,000Btu/Hr High wall reverse cycle split type air conditioner	GREE	12	Quarterly		
233.	KILINDINI	1ST	18,000Btu/Hr High wall reverse cycle split type air conditioner	UNIONAIRE	1	Quarterly		

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236.	KILINDINI	1ST	18,000Btu/Hr High wall reverse cycle split type air conditioner	SAMSUNG	1	Quarterly		
237.	KILINDINI	1ST	18,000Btu/Hr High wall reverse cycle split type air conditioner	AIRCOOL	1	Quarterly		
247.	KESRA	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	UNIONAR E	2	Quarterly		
249.	KESRA	GRND	24,000Btu/Hr High wall reverse cycle split type air conditioner	AKIRA	1	Quarterly		
250.	KESRA	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	LG	8	Quarterly		
251.	KESRA	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	GREE	5	Quarterly		
254.	KESRA	GRND	24,000Btu/Hr High wall reverse cycle split type air conditioner	UNIONAR E	2	Quarterly		
262.	KESRA	GRND	18,000Btu/Hr High wall reverse cycle split type air conditioner	CARRIER	6	Quarterly		
266.	KESRA	GRND	24,000Btu/Hr High wall reverse cycle split type air conditioner	PURIFY	1	Quarterly		
271.	KESRA	1ST	18,000Btu/Hr High wall reverse cycle split type air conditioner	GREE	7	Quarterly		
279.	KILIFI	GRND	24,000BTU/Hr Split type HW AC	GREE	3	Quarterly		
282.	VOI	GRND	24,000BTU/Hr Split type HW AC	GREE	2	Quarterly		
284.	SHIMONI	GRND	24,000BTU/Hr Split type HW AC	GREE	2	Quarterly		
286.	LAMU	GRND	18,000BTU/Hr Split type HW AC	GREE	3	Quarterly		
289.	LAMU	GRND	24,000BTU/Hr Split type HW AC	LG	2	Quarterly		
291.	LAMU	GRND	24,000BTU/Hr Split type HW AC	GREE	3	Quarterly		
294.	LAMU	GRND	12,000BTU/Hr Split type HW AC	VON	2	Quarterly		
TOTAL IN KSH.								

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ONE YEAR COST PER SCHEDULE FOR SOUTHERN REGION

Item	Description	Frequency	TOTAL COST (INCL. VAT) PER YEAR
A	SCHEDULE III	4	
TOTAL COST FOR SOUTHERN REGION INCL. VAT. PER YEAR			

D. FINANCIAL EVALUATION

PRICE SCHEDULE – GRAND SUMMARY

LOT	REGION	ONE YEAR COST FOR PREVENTIVE MAINTENANCE (SCHEDULE III & IV) (A)	TWO YEARS GRAND TOTAL IN KSH. INCL. VAT (A X2) {TO BE TRANSFERRED TO FORM OF TENDER}
I	NAIROBI & CENTRAL		
II	WESTERN		
III	NORTH & SOUTH RIFT		
IV	NORTHERN		
V	SOUTHERN		

NOTE: The Provisional Two-Year Cost for Replacement of Parts is on a need basis up to an annual MAXIMUM limit per Region/Lot as per the Schedule below;

LOT	REGION	TWO YEARS PROVISIONAL AMOUNT (INCL. VAT)
I	NAIROBI & CENTRAL	3,146,574.24
II	WESTERN	2,291,190.24
III	NORTH & SOUTH RIFT	589,686.00
IV	NORTHERN	2,212,526.00
V	SOUTHERN	3,582,657.68

**NOTE: AWARD SHALL BE MADE TO THE LOWEST EVALUATED PRICED
BIDDER PER LOT**

1. All prices quoted must be inclusive all applicable taxes in Kenya
2. Affix Company Stamp on this page.

Tender's Signature: _____

Date: _____

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ANNEX II: REVISED FORM OF TENDER

(Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)

INSTRUCTIONS TO TENDERERS

- i) *All italicized text is to help the Tenderer in preparing this form.*
- ii) *The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address. Tenderers are reminded that this is a mandatory requirement.*
- iii) *Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION FORMS OF THE TENDERER as listed under (s) below.*

Date of this Tender submission:.....*[insert date (as day, month and year) of*

Tender submission] **Tender** **Name** **and**

Identification:.....*[insert* *identification]* **Alternative**

No.:.....*[insert identification No if this is a Tender for an*
alternative]

To: *[Insert complete name of Procuring Entity]*

- a) **No reservations:** We have examined and have no reservations to the tendering document, including Addenda issued in accordance with ITT 9;
- b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITT 4;
- c) **Tender-Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing Declaration or Proposal-Securing Declaration in Kenya in accordance with ITT 4.7;
- d) **Conformity:** We offer to provide the Maintenance services in conformity with the tendering document of the following: *[insert a brief description of the Maintenance services];*
- e) **Tender Price:** The total price of our Tender, excluding any discounts offered in item (f) below is: *[Insert one of the options below as appropriate]*

Option 1, In case of one lot: Total price is: N/A

Or

Option 2, in case of multiple lots:

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LOT	REGION	TOTAL COST FOR TWO YEARS (INCLUSIVE OF VAT)
I	NAIROBI & CENTRAL	
II	WESTERN	
III	NORTH & SOUTH RIFT	
IV	NORTHERN	
V	SOUTHERN	

• Further Provision of Spare Parts on a need basis per Lot for Two Years up to the maximum limit as per the table below;

LOT	REGION	TWO YEARS PROVISIONAL AMOUNT (INCL. VAT)
I	NAIROBI & CENTRAL	3,146,574.24
II	WESTERN	2,291,190.24
III	NORTH & SOUTH RIFT	589,686.00
IV	NORTHERN	2,212,526.00
V	SOUTHERN	3,582,657.68

- f) **Discounts:** The discounts offered and the methodology for their application are:
- The discounts offered are: *[Specify in detail each discount offered.]*
 - The exact method of calculations to determine the net price after application of discounts is shown below: *[Specify in detail the method that shall be used to apply the discounts];*
- g) **Tender Validity Period:** Our Tender shall be valid for the period specified in TDS 19.1 (as amended if applicable) from the date fixed for the Tender submission deadline (specified in TDS 23.1 (as amended if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- h) **Performance Security:** If our Tender is accepted, we commit to obtain a Performance Security in accordance with the tendering document;
- i) **One Tender Per Tenderer:** We are not submitting any other Tender (s) as an individual Tenderer, and we are not participating in any other Tender (s) as a Joint Venture member or as a subcontractor, and meet the requirements of ITT 4.3, other than alternative Tenders submitted in accordance with ITT 14;
- j) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the PPRA. Further, we are not ineligible under Kenya's official regulations or pursuant to a decision of the United Nations Security Council;
- k) **State-owned enterprise or institution:** *[select the appropriate option and delete the other] [We are not a state- owned enterprise or institution]/[We are a state-owned enterprise or institution but meet the requirements of ITT 4.6];*
- l) **Commissions, gratuities and fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the Tendering process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason*

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for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity].

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

[Delete if not appropriate, or amend to suit] We confirm that we understand the provisions relating to Standstill Period as described in this tendering document and the Procurement Regulations.

- m) **Binding Contract:** We understand that this Tender, together with your written acceptance thereof included in your Form of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- n) **Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Tender, the Most Advantageous Tender or any other Tender that you may receive; and
- o) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.
- p) **Collusive practices:** We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the "Certificate of Independent Tender Determination" attached below.
- q) **Code of Ethical Conduct:** We undertake to adhere by the Code of Ethical Conduct for Suppliers, Contractors and Service Providers, copy available from __ (specify website) during the procurement process and the execution of any resulting contract.
- r) **Beneficial Ownership Information:** We commit to provide to the procuring entity the Beneficial Ownership Information in conformity with the Beneficial Ownership Disclosure Form upon receipt of notification of intention to enter into a contract in the event we are the successful tenderer in this subject procurement proceeding.
- s) We, the Tenderer, have duly completed, signed and stamped the following Forms as part of our Tender:
 - a) Tenderer's Eligibility; Confidential Business Questionnaire – to establish we are not in any conflict to interest.
 - b) Certificate of Independent Tender Determination - to declare that we completed the tender without colluding with other tenderers.
 - c) Self-Declaration of the Tenderer- to declare that we will, if awarded a contract, not engage in any form of fraud and corruption.

Further, we confirm that we have read and understood the full content and scope of fraud and

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corruption as informed in

“Appendix 1- Fraud and Corruption” attached to the Form of Tender.

Name of the Tenderer: *.....*[insert complete name of person signing the Tender]*

Name of the person duly authorized to sign the Tender on behalf of the Tenderer:***[insert complete name of person duly authorized to sign the Tender]*

Title of the person signing the Tender: *[insert complete title of the person signing the Tender]* **Signature of the person named above:***[insert signature of person whose name and capacity are shown above]* **Date signed**.....*[insert date of signing]* **day of**.....*[*