

SECTION 5: BILL OF QUANTITY

1. Bill of Quantity for AMC

Annual Maintenance Contract for all kinds of Routine, Preventive & Corrective (Break down) Maintenance of UPS system, DG set and AC at Corporate office Thimphu, Phuntsholing Main Branch, Khuruthang BO and Gelephu BO, during the AMC contract period of one year.						
Sl. No.	Equipment	Model No.	Rating	Quantity	Quarterly Rate (Nu.) per item	
					Figure	Words
Corporate Office, Thimphu						
1	UPS	UPS 93E, 100kVA, MBS, (EATON made) OT01	100 kVA	1 No.		
2	UPS	UPS 93E GL, 15 kVA, OT01 (EATON made)	15 kVA	1 No.		
5	DG set	KG1-100WS1 (JACKSON & COMPANY made)	100 kVA	1 No.		
6	Split AC	HW18CBYFA-12 (BLUE STAR made)	220-240V, 50 Hz, 1 Phase	4 Nos.		
7	Semi concealed (cassette) split AC	U-48PWY1H89 (PANASONIC made)	3 Phase, 380 V 3N, 50 Hz, 6600 W	2 Nos.		
Main Branch, Phuntsholing						
1	DG set	KG1-62.5WS2, (JAKSON & COMPANY/KOEL made)	62.5 kVA	1 No.		
2	UPS	Ups 93E GL, 30 kVA OT01 (EATON made)	30 kVA	1 No.		

3	Split AC	2HW18RAI (BLUE STAR made)	230V, 50 Hz, 1 phase, RA10A	24 Nos		
4	Split AC/RAC	IC32DNU (BLUE STAR made)	230V, 50 Hz, 1 phase, R32	20 Nos		

Gelephu Branch Office

1	Split AC	EHW24CHYFA, outdoor unit IP24 (BLUE STAR made)	220-240V, 50 Hz, 1 Phase, R4 10A	2 Nos.		
2	Split AC	GLS24I3FWSEV(L LOYD made)	230V, 50 Hz, 1 phase, R32(Non ODS)	2 Nos.		

Khuruthang Branch Office

1	Split AC	BI-3HW18HAFX, outdoor unit model no.(BO-3HW18HAFX) (BLUE STAR made)	230V, 50 Hz, 1 phase, RA10A	3 Nos.		
2	Split AC	EHW24CHYFA, outdoor unit IP24 (BLUE STAR made)	230V, 50 Hz, 1 phase, RA10A	1 No.		

Total amount (Nu.):

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Total amount for AMC (Nu.):

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2. Bill of Quantity for Spare parts.

Supply & installation of spare parts during AMC period should be on the following Amount.				
Sl.No	Description of item	Unit	Rate (Nu.)	
			Figure	Words
A	UPS 93E, 100kVA, MBS, (EATON made) OT01			
1	Rectifier	Each		
2	Inverter	Each		
3	UPS battery	Each		
4	Static Bypass Switch	Each		
5	Input switch	Each		
6	Cooling fan	Each		
7	Control Panel	Each		
8	Circuit breaker	Each		
9	Output switch	Each		
B	UPS 93E GL, 15 kVA, OT01 (EATON made)			
1	Rectifier	Each		
2	Inverter	Each		
3	UPS battery	Each		
4	Static Bypass Switch	Each		
5	Input switch	Each		
6	Cooling fan	Each		
7	Control Panel	Each		
8	Circuit breaker	Each		
9	Output switch	Each		
C	UPS, 93E GL, 30 kVA, (EATON made)			
1	Rectifier	Each		
2	Inverter	Each		
3	UPS battery	Each		
4	Static Bypass Switch	Each		
5	Input switch	Each		
6	Cooling fan	Each		
7	Control Panel	Each		
8	Circuit breaker	Each		
9	Output switch	Each		
D	Split AC, model no. EHW24CHYFA, outdoor unit IP24 (BLUE STAR made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		

6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		
E	Split AC, model no. BI-3HW18HAFX, outdoor unit model no.(BO-3HW18HAFX) (BLUE STAR made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		
6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		
F	Split AC, model no. 2HW18RAI (BLUE STAR made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		
6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		
G	Split AC/RAC, model no. IC32DNU (BLUE STAR made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		
6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		

H	Split AC, model no. GLS24I3FWSEV (LLOYD made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		
6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		
I	Split AC, model no. HW18CBYFA-12 (BLUE STAR made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		
6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		
J	Semi concealed (cassette) split AC, model no. U-48PWY1H89 (PANASONIC made)			
1	Compressor	Each		
2	Condenser	Each		
3	Evaporator coil	Each		
4	Expansion valve	Each		
5	Capacitor	Each		
6	Air blower	Each		
7	Refrigerant	Each		
8	Air filter	Each		
9	Drain hose	Each		
10	Motor fan	Each		
11	Thermostat	Each		
K	DG set, 100 kVA model no. KG1-100WS1 (JACKSON & COMPANY made)			
1	Diesel Engine	Each		
2	Alternator	Each		
3	Automatic Voltage regulator	Each		
4	Control panel	Each		
5	Cooling kit	Each		
6	Primary lubricant oil pump	Each		

7	Fuel filter	Each		
8	Diesel tank	Each		
9	Fuel water separator	Each		
10	Actuator	Each		
11	Lubricant oil filter	Each		
12	Cooling tank	Each		
13	Radiator and fan	Each		
14	Air filter	Each		
15	Turbocharger	Each		
16	Silencer	Each		
17	Coupling	Each		
18	Exciter	Each		
19	Battery	Each		
20	Cranking motor/Starter motor	Each		
21	Governor	Each		
22	Flywheel	Each		
23	Circuit Breaker	Each		
L	DG set, 62.5 kVA model no.KG1-62.5WS2 (JAKSON & COMPANY/KOEL made)			
1	Diesel Engine	Each		
2	Alternator	Each		
3	Automatic Voltage regulator	Each		
4	Control panel	Each		
5	Cooling kit	Each		
6	Primary lubricant oil pump	Each		
7	Fuel filter	Each		
8	Diesel tank	Each		
9	Fuel water separator	Each		
10	Actuator	Each		
11	Lubricant oil filter	Each		
12	Cooling tank	Each		
13	Radiator and fan	Each		
14	Air filter	Each		
15	Turbocharger	Each		
16	Silencer	Each		
17	Coupling	Each		
18	Exciter	Each		
19	Battery	Each		
20	Cranking motor/Starter motor	Each		
21	Governor	Each		
22	Flywheel	Each		
23	Circuit Breaker	Each		

Declaration: I/We do hereby accept all the terms and conditions laid down in the tender document for the above said work/ supply. I/ We also agree to the condition that the right to suspend the tender process or part of the process, to accept or reject any or all the tenders at any stage of the process and/or to modify the process or any part thereof at any time without assigning any reasons thereto is reserved by the competent authority of the institute without any obligation or liability whatsoever.

Signature of the Bidder with date and seal