

Tender Inviting Authority: The Asst.General Manager(Engg-E), AAI, Tirupati Airport.
Name of Work: ARMO of E&M Installations at Tirupati Airport for the year 2021-23.
Sub Head: Comprehensive Maintenance Contract of VRF, Cassette, Floor Stand & Split Type Air-Conditioning Units at Tirupati Airport.
Contract No: AAI/TP/ENGG(E)/M-01/2021-22

SCHEDULE OF WORK / ITEM(S)																
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	VEERABABU COMFORT COOL SYSTEM(GSTN-37BKPM2510E1ZF)		ROSHAN REFRIGERATION AND ELECTRICALS(GSTN-23AAJFR9192B1Z5)		AIRTECH ENGINEERS(GSTN-27AJHPB7042D1ZM)		M K ENTERPRISES(GSTN-27AMDPK7089L1ZJ)		M/S B COOL AIRCONDITIONS(GSTN-NA)		Zamzam Refrigeration and airconditioning(GSTN-NA)	
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	Comprehensive Maintenance of following 3phase / 1phase Airconditioners and Water Coolers of different makes which includes periodical servicing as per the manufacturer's recommendation and replacement of spares like Capacitors, Relays, Electronic Controller (PCB), Selector switch, filters, electrical interconnections, rewinding of burnt out fan motor, blowers, any sheet metal work, replacement of defective compressor with new including leak test, Gas charging (R22 / R32 / R410 / R134A) etc and as per direction of Engineer-in-charge with approved shade etc, as required. - FIRST YEAR															
1.10	4.0 Ton Cassette Type Airconditioners.	11.00	Each Per Annum		6000.00	66000.00	6500.00	71500.00	4500.00	49500.00	4200.00	46200.00	8000.00	88000.00	2800.00	30800.00
1.20	3.0 Ton to 4.0 Ton Floor Stand Type Airconditioners.	20.00	Each Per Annum		5500.00	110000.00	6000.00	120000.00	4500.00	90000.00	4000.00	80000.00	8000.00	160000.00	2800.00	56000.00
1.30	2.0 Ton Split Type Airconditioners. (Inverter/Convention type)	27.00	Each Per Annum		4000.00	108000.00	4500.00	121500.00	4000.00	108000.00	3800.00	102600.00	4000.00	108000.00	2800.00	75600.00
1.40	1.5 Ton Split Type Airconditioners (Inverter/Convention type)	68.00	Each Per Annum		3850.00	261800.00	3500.00	238000.00	3000.00	204000.00	3800.00	258400.00	3000.00	204000.00	2800.00	190400.00
1.50	1.0 Ton Split Type Airconditioners. (Inverter/Convention type)	12.00	Each Per Annum		3000.00	36000.00	2500.00	30000.00	3000.00	36000.00	3800.00	45600.00	2300.00	27600.00	2800.00	33600.00
1.60	Comprehensive Maintenance VRF Air-Conditioning System consisting of 08 HP outdoor unit with top discharge, 06 numbers of 1.0 TR ductable indoor and providing all necessary consumables and spares. (Location: NITB front side offices.)	1.00	Each Per Annum		55000.00	55000.00	96000.00	96000.00	65000.00	65000.00	90000.00	90000.00	20000.00	20000.00	125000.00	125000.00
1.70	Comprehensive Maintenance VRF Air-Conditioning System Consisting of 10 HP Outdoor Unit with top discharge, 09 numbers of 1.5 TR and 01 indoor unit (R410A Refrigerant) of BLUESTAR make including and providing all necessary consumables and spares. (Location: NITB city side ticketing counters.)	1.00	Each Per Annum		60000.00	60000.00	130000.00	130000.00	96000.00	96000.00	90000.00	90000.00	23500.00	23500.00	125000.00	125000.00
1.80	Comprehensive Maintenance VRF Air-Conditioning System Consisting of 10 HP Outdoor Unit with top discharge, 05 numbers of 1.5 TR and 01 number of 2.0 TR ductable indoor unit (R410A Refrigerant) of BLUESTAR make including and providing all necessary consumables and spares. (Location: Backup Offices.)	1.00	Each Per Annum		60000.00	60000.00	130000.00	130000.00	100000.00	100000.00	90000.00	90000.00	23500.00	23500.00	125000.00	125000.00
2.00	Comprehensive Maintenance of following 3phase / 1phase Airconditioners and Water Coolers of different makes which includes periodical servicing as per the manufacturer's recommendation and replacement of spares like Capacitors, Relays, Electronic Controller (PCB), Selector switch, filters, electrical interconnections, rewinding of burnt out fan motor, blowers, any sheet metal work, replacement of defective compressor with new including leak test, Gas charging (R22 / R32 / R410 / R134A) etc and as per direction of Engineer-in-charge with approved shade etc, as required. - SECOND YEAR															
2.10	4.0 Ton Cassette Type Airconditioners.	11.00	Each Per Annum		6000.00	66000.00	6500.00	71500.00	4500.00	49500.00	4300.00	47300.00	8100.00	89100.00	2800.00	30800.00
2.20	4.0 Ton Floor Stand Type Airconditioners.	20.00	Each Per Annum		5500.00	110000.00	6000.00	120000.00	4500.00	90000.00	4000.00	80000.00	8100.00	162000.00	2800.00	56000.00
2.30	2.0 Ton Split Type Airconditioners. (Inverter/Convention type)	27.00	Each Per Annum		4000.00	108000.00	4500.00	121500.00	4000.00	108000.00	3800.00	102600.00	4100.00	110700.00	2800.00	75600.00
2.40	1.5 Ton Split Type Airconditioners (Inverter/Convention type)	68.00	Each Per Annum		3850.00	261800.00	3500.00	238000.00	3000.00	204000.00	3800.00	258400.00	3300.00	224400.00	2800.00	190400.00
2.50	1.0 Ton Split Type Airconditioners. (Inverter/Convention type)	12.00	Each Per Annum		3000.00	36000.00	2500.00	30000.00	3000.00	36000.00	3800.00	45600.00	2300.00	27600.00	2800.00	33600.00
2.60	Comprehensive Maintenance VRF Air-Conditioning System consisting of 08 HP outdoor unit with top discharge, 06 numbers of 1.0 TR ductable indoor and providing all necessary consumables and spares. (Location: NITB front side offices.)	1.00	Each Per Annum		55000.00	55000.00	96000.00	96000.00	75000.00	75000.00	90000.00	90000.00	25000.00	25000.00	200000.00	200000.00
2.70	Comprehensive Maintenance VRF Air-Conditioning System Consisting of 10 HP Outdoor Unit with top discharge, 09 numbers of 1.0 TR ductable indoor unit (R410A Refrigerant) of BLUESTAR make including and providing all necessary consumables and spares. (Location: NITB city side ticketing counters.)	1.00	Each Per Annum		60000.00	60000.00	130000.00	130000.00	100000.00	100000.00	90000.00	90000.00	28000.00	28000.00	200000.00	200000.00

L1 Amount	L1 Vendor
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30800.00	Zamzam Refrigeration and airconditioning
56000.00	Zamzam Refrigeration and airconditioning
75600.00	Zamzam Refrigeration and airconditioning
190400.00	Zamzam Refrigeration and airconditioning
27600.00	M/S B COOL AIRCONDITIONS
20000.00	M/S B COOL AIRCONDITIONS
23500.00	M/S B COOL AIRCONDITIONS
23500.00	M/S B COOL AIRCONDITIONS

30800.00	Zamzam Refrigeration and airconditioning
56000.00	Zamzam Refrigeration and airconditioning
75600.00	Zamzam Refrigeration and airconditioning
190400.00	Zamzam Refrigeration and airconditioning
27600.00	M/S B COOL AIRCONDITIONS
25000.00	M/S B COOL AIRCONDITIONS
28000.00	M/S B COOL AIRCONDITIONS

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	VEERABABU COMFORT COOL SYSTEM(GSTN-37BKKPM2510E1ZF)		ROSHAN REFRIGERATION AND ELECTRICALS(GSTN-23AAJFR9192B1Z5)		AIRTECH ENGINEERS(GSTN-27AJHPB7042D1ZM)		M K ENTERPRISES(GSTN-27AMDPK708SL1ZJ)		M/S B COOL AIRCONDITIONS(GSTN-NA)		Zamzam Refrigeration and airconditioning(GSTN-NA)	
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
2.80	Comprehensive Maintenance VRF Air-Conditioning System Consisting of 10 HP Outdoor Unit with top discharge, 05 numbers of 1.5 TR and 01 number of 2.0 TR ductable indoor unit (R410A Refrigerant) of BLUESTAR make including and providing all necessary consumables and spares. (Location: Backup Offices.)	1.00	Each Per Annum		60000.00	60000.00	130000.00	130000.00	110000.00	110000.00	90000.00	90000.00	28000.00	28000.00	200000.00	200000.00
3.00	Dismantling & Reinstallation of Indoor and Outdoor unit of 1.5TR/2.0TR Air Conditioner to any location as specified by AAI, including pipe connection complete etc. as required.	6.00	Each		1700.00	10200.00	2500.00	15000.00	2000.00	12000.00	1200.00	7200.00	1400.00	8400.00	1500.00	9000.00
4.00	Installation, Testing and Commissioning of Indoor and Outdoor unit of 1.5TR/2.0TR Air-Conditioner to any location as specified by AAI including pipe connection complete etc. as required.	5.00	Each		1230.00	6150.00	3000.00	15000.00	1500.00	7500.00	2500.00	12500.00	1000.00	5000.00	1500.00	7500.00
5.00	Supply, Laying and connecting of OEM recommended copper refrigerent piping (liquid and gas) with Nitrile Rubber insulation of thickness not less than 13mm and with all other accessories suitable for 1 phase, 1.5TR split AC including covering the Copper piping with suitable size casing capping / PVC pipe etc. complete as required (Length of liquid and gas line will be measured as single measurement).	10.00	Meter		1299.00	12990.00	550.00	5500.00	950.00	9500.00	350.00	3500.00	600.00	6000.00	900.00	9000.00
6.00	Supply, Laying and connecting of OEM recommended copper refrigerent piping (liquid and gas) with Nitrile Rubber insulation of thickness not less than 13mm and with all other accessories suitable for 1 phase, 2.0TR split AC including covering the copper piping with suitable size casing capping / PVC pipe etc. complete as required (Length of Liquid and gas line will be measured as single measurement).	10.00	Meter		1300.00	13000.00	600.00	6000.00	950.00	9500.00	350.00	3500.00	490.00	4900.00	900.00	9000.00
7.00	Supply and laying / fixing of ISI marked CPVC pipe of 20mm dia with required bends / connectors on surface / suspension for draining out the water including interconnection of drain pipe etc. complete as required.	15.00	Meter		100.00	1500.00	120.00	1800.00	35.00	525.00	80.00	1200.00	500.00	7500.00	200.00	3000.00
Total in Figures						1557440.00		1917300.00		1560025.00		1634600.00		1381200.00		1785300.00
Lowest Amount Quoted By: M/S B COOL AIRCONDITIONS(1381200.00)																

L1 Amount	L1 Vendor
28000.00	M/S B COOL AIRCONDITIONS
7200.00	M K ENTERPRISES
5000.00	M/S B COOL AIRCONDITIONS
3500.00	M K ENTERPRISES
3500.00	M K ENTERPRISES
525.00	AIRTECH ENGINEERS

Signature Not Verified

Digitally signed by JAGAN MOHAN BONTADA
Date: 2021.11.03 11:47:58 IST
Location: eProcurement System for Central PSUs

