

AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG (E)/AMED-IX/FMC of AC/2022-23/ A- 22

Date: 25.07.2022

To

M/s Aqua Cool Co Private Limited
Row House No. A/99,
Sector - 4, Airoli,
Navi Mumbai- 400 708.

Sub: FMC of 4 X 100TR AC plant and ACMC for Window, Split, Cassette, Ductable Split Air Conditioner & Water Coolers at Chennai International Airport (2022-2024).

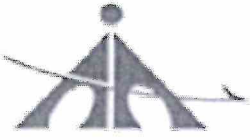
Ref: Tender ID: 2022_AAI_117097_1

Tender Ref. No: AAI/CHE/AMED-IX/FMC AC/2022.

Dear Sir (s),

1. Your E-tender for the above mentioned work is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 67,77,777.77 (Rupees Sixty Seven Lakhs Seventy Seven Thousand Seven Hundred Seventy Seven and Seventy Seven Paise only) which is 21.23% below the Estimated Cost of Rs. 86,04,436.00 (Rupees Eighty Six Lakhs Four Thousand Four Hundred and Thirty Six Only) which is inclusive of all the taxes, duties, levies and octroi etc., Except GST which will be paid extra as applicable.
2. Joint General Manager (Engg-Elect)-II, AMED, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600 027 shall be the Engineer-In-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg-Elect)-II, AMED AAI, Chennai Airport by 10.08.2022 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
3. You are requested to deposit an amount of Rs. 6,77,778.00 (Rupees Six Lakhs Seventy Seven Thousand Seven Hundred and Seventy Eight Only) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per Clause 1A of General Conditions of Contract.
4. You are also directed to contact the Joint General Manager (Engg-Elect)-II, Airport Maintenance Electrical Division, Operational Office, Airports Authority of India, Chennai Airport or his Authorised representative immediately for the execution of the above work.

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5. You are requested to comply with the provision of Contract Labour Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules thereof Central and State Governments.
6. Please note that the time allowed for carrying out the work shall be 24 (Twenty Four) Months which shall be reckoned from 01.08.2022.
7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
8. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

Encl: Schedule of Quantity (Page no. 1 of 5).


(W. Francis Xavier)
**Joint General Manager (Engg - Elect)-II,
For and on behalf of the Chairman,
Airports Authority of India.**



AIRPORTS AUTHORITY OF INDIA
भारतीय विमानपत्तन प्राधिकार
CHENNAI AIRPORT:: CHENNAI 600 016
SCHEDULE OF QUANTITIES

NAME OF WORK: FMC of 4 X 100TR AC plant and APMC for Window, Split, Cassette, Ductable Split Air Conditioner & Water Coolers at Chennai International Airport (2022-2024).

Sl.No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
SH:I	FMC for 4X100 TR HVAC system in Admin Block				
1	FMC for 4X100 TR HVAC system in Admin Block to ensure satisfactory operations, day to day maintenance; ensuring serviceability for the details of installations and their associated electrical switch gears; including supervision; recording of all activities of HVAC and complying with Special conditions of contract, other clauses in the tender document;by providing manpower for 2 shifts on all working days i/c Holidays excepts Sundays.	24	Months	240777.00	57,78,648.00
SH:II	FMC & CMC for Air conditioners and Water coolers				
2	FMC with All inclusive Annual Comprehensive Maintenance Contract of following type Air-Conditioners & water coolers including all necessary spares, consumables, filters, compressors etc. carrying out preventive maintenance checks daily/ Monthly/Quarterly/ Half yearly /yearly , break down maintenance and Emergency call service etc. to keep the equipment in perfect working condition etc. and complying with Special conditions of contract, other clauses in the tender document;by providing manpower as required.				
a)	Window type Air-conditioners of 1.5/2.0 TR capacity of different make.				
	i) First Year	10	Each	100.00	1,000.00
	ii) Second Year	10	Each	100.00	1,000.00
b)	Split type Air-conditioners of 1.0 TR capacity of different make				
	i) First Year	3	Each	100.00	300.00
	ii) Second Year	3	Each	100.00	300.00
c)	Split type Air-conditioners of 1.5TR capacity of different make				
	i) First Year	151	Each	100.00	15,100.00
	ii) Second Year	160	Each	100.00	16,000.00
d)	Split type Air-conditioners of 1.5TR capacity Inverter type of different make				
	i) First Year	13	Each	100.00	1,300.00
	ii) Second Year	20	Each	100.00	2,000.00
e)	Split type Air-conditioners of 2.0 TR capacity of different make				
	i) First Year	38	Each	100.00	3,800.00
	ii) Second Year	40	Each	100.00	4,000.00
f)	Split type Air-conditioners of 2.0 TR capacity Inverter type of different make				
	i) First Year	10	Each	100.00	1,000.00
	ii) Second Year	16	Each	100.00	1,600.00
g)	High wall Split type Air-conditioners of 3.0 TR capacity of different make				

Sl.No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
	i) First Year	20	Each	100.00	2,000.00
	ii) Second Year	20	Each	100.00	2,000.00
h)	Split type Vertical Air-conditioners of 3/4.0 TR capacity of different make				
	i) First Year	10	Each	100.00	1,000.00
	ii) Second Year	10	Each	100.00	1,000.00
i)	3 Phase, 3.0/ 4.0 Ton Cassette type Air- Conditioners units of different make				
	i) First Year	4	Each	200.00	800.00
	ii) Second Year	6	Each	200.00	1,200.00
j)	Ductable type Air- Conditioners of 6.0 TR Capacity				
	a) First Year	2	Each	300.00	600.00
	b) Second Year	2	Each	300.00	600.00
k)	Ductable type Air- Conditioners of 9 TR Capacity				
	a) First Year	9	Each	300.00	2,700.00
	b) Second Year	9	Each	300.00	2,700.00
(l)	Ductable type Air- Conditioners of 16.5 TR Capacity				
	a) First Year	5	Each	300.00	1,500.00
	b) Second Year	5	Each	300.00	1,500.00
(m)	Comprehensive repair and maintenance of voltage stabilizer upto 5KVA capacity suitable for above split/window A/C units i/c dismantling repairing and refixing etc. as required at site.				
	a) First Year	200	Each	100.00	20,000.00
	b) Second Year	200	Each	100.00	20,000.00
n)	Annual Comprehensive Maintenance Contract of Kelby/conway model storage tank capacity 80 Litres and RO Purification at 50 Litres per hour capacity water cooler including all necessary spares, consumables, filters (Carbon & Spun);Taps and compressor etc (except membrane) to keep the equipment in perfect working condition etc., as required.				
	a) First Year	37	Each	100.00	3,700.00
	b) Second Year	40	Each	100.00	4,000.00
o)	Annual Comprehensive Maintenance Contract of Kelby Brook brand 125 NHC model for normal, hot & cold water cooler fitted with water purification of UV protection including all necessary spares consumables, filters (Carbon & Spun);Taps and compressor etc to keep the equipment in perfect working condition etc., as required.				
	a) First Year	3	Each	100.00	300.00
	b) Second Year	3	Each	100.00	300.00
p)	Annual Comprehensive Maintenance Contract of Kelby/conway make 125 litres/ hour capacity / Voltas make Normal Water Cooler fitted with model for normal, hot & cold water cooler including all necessary spares, consumables, filters (Carbon & Spun);Taps and compressor etc to keep the equipment in perfect working condition etc., as required.				
	a) First Year	10	Each	100.00	1,000.00
	b) Second Year	10	Each	100.00	1,000.00

Sl.No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
q)	Annual Comprehensive Maintenance Contract of Zero B Eco chill water cooler 40-80-40 with inbuilt RO purification system with HRR & ESS Technology having two tap for cold and normal water with stainless steel body including all necessary spares, consumables, filters Taps and compressor etc to keep the equipment in perfect working condition etc., as required.				
	a) First Year	6	Each	100.00	600.00
	b) Second Year	6	Each	100.00	600.00
r)	Annual Comprehensive Maintenance Contract of 7-10 LPH capacity RO+UV water purifier including all necessary spares, consumables, filters and RO membrane etc. to keep the equipment in perfect working condition etc., as required. (Make : Aqua guard/Faber/other makes)				
	a) First Year	2	Each	200.00	400.00
	b) Second Year	3	Each	200.00	600.00
SH:III	MISCELLANEOUS AC & WATER COOLER WORKS				
3	Supply of 80/100 GPD Membrane suitable for Kelby/ Conway make RO type water coolers etc., complete as required.	250	Each	300.00	75,000.00
4	Supply of 300 GPD Membrane suitable for Conway/Zero B make RO type water coolers etc., complete as required.	250	Each	300.00	75,000.00
5	Installation, testing and commissioning of following type of AC units of any reputed make in the existing opening i/c fitting of indoor and outdoor unit at their respective locations, drilling holes in the wall using suitable hardwares, ceiling supporting arrangement, leak testing of entire system, charging refrigerant gas in the unit , making good the surface as per requirement of the site, providing of wooden frame ply board and necessary painting with matching colour etc.(if required)complete as required at site.				
a)	Window AC upto 1.5/2 TR	1	Each	201.77	201.77
b)	Split AC upto 1.5/2 TR	10	Each	200.00	2,000.00
c)	Cassette AC upto 1.5/2/3/4 TR	3	Each	300.00	900.00
d)	Tower AC upto 2/3/4 TR	3	Each	300.00	900.00
6	Dismantling of following type Air- Conditioners including In door & Out door units and all accessories etc, and shifting the same to AAI store complete as required.				
a)	Window AC upto 1.5/2 TR	2	Each	100.00	200.00
b)	Split AC upto 1.5/2 TR	10	Each	100.00	1,000.00
c)	Cassette AC upto 1.5/2/3/4 TR	3	Each	100.00	300.00
d)	Tower AC upto 2/3/4 TR	3	Each	100.00	300.00
7	Supply of cordless remote different make 1.5/2.0 TR/3.0TR split type/window type/tower type/cassette A/C units as required.	20	Each	500.00	10,000.00

Sl.No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
8	Supply & installation of additional Refrigerant copper piping of suitable size b/w indoor and outdoor units, including protective external covering with 10mm thick closed cell Polyethylene foam insulation or nitrile rubber or PUF with all necessary supports, fittings, brazing, wrapping with plaster and leak proof arrangements as required and recommended by the OEM. Refrigerant copper piping: For 1TR: Suction Tube 1/2" & Liquid Tube 1/4" For 1.5TR: Suction Tube 1/2" & Liquid Tube 1/4" For 2TR: Suction Tube 5/8" & Liquid Tube 3/8" For 3TR: Suction Tube 3/4" & Liquid Tube 1/2" For 4TR: Suction Tube 3/4" & Liquid Tube 1/2"				
a)	SITC of Suction Tube & Liquid Tube for 1TR & 1.5 TR AC	50	meter	1300.00	65,000.00
b)	SITC of Suction Tube & Liquid Tube for 2TR AC	30	meter	1400.00	42,000.00
c)	SITC of Suction Tube & Liquid Tube for 3TR & 4 TR AC	25	meter	1400.00	35,000.00
9	Supplying, of following thickness closed cell elastometric nitrile rubber of class 'O' as per specifications and as required complete in all respect.				
a)	9 mm thick , 5/8' dia	30	meter	350.00	10,500.00
b)	9 mm thick , 1/2' dia	30	meter	350.00	10,500.00
10	Supply of standard outdoor wall bracket with vibration pad of suitable size for different capacity of AC's complete as reqd at site.				
a)	Split AC upto 1.5/2 TR (Outdoor)	10	Each	250.00	2,500.00
11	Supply of suitable size (not less than 25 mm) drain pipe medium duty with Insulation complete as required and as per satisfaction of EIC	50	Meter	150.00	7,500.00
12	Supply & Fixing of condenser copper coils of following capacity, dismantling of existing old Aluminium coils and shifted to AAI Store etc., complete as req.				
i)	1.5 TR	6	Each	7500.00	45,000.00
ii)	2.0TR	4	Each	8500.00	34,000.00
13	Supply & fixing of 13mm thick class O closed cell Aflex GC cloth faced nitrile rubber dia 25mm with suitable rubber adhesive, finally finished coating poly shield. Inclusive of scaffolding and transportation charges.	20	Meter	350.00	7,000.00
14	Supply, installation, testing and commissioning of following nominal size of chilled water piping of MS "C" class Heavy duty pipes with 50mm EPS insulation provided complete with all fittings and accessories like Bends, Tees, reducers, exp. Joints supports, clamps, etc complete as required and as per specification (For pipes of dia. up to 200 mm IS 1239 (1) & above, IS 3589)				
a)	150 mm dia	15	Meter	1800.00	27,000.00
b)	100 mm dia	20	Meter	1700.00	34,000.00
15	Supply and fixing of 50mm EPS insulation for existing chilled water piping of MS "C" class Heavy duty pipe, etc complete as required and as per specification.				
a)	150 mm dia	15	Meter	1800.00	27,000.00

