

ISO 9001:2015, ISO 14001:2015 & CHSAB 18001:2007 CERTIFIED AIRPORT

भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG/ELEC/AMED-IX/ FMC- AC/24-25/A-22

Date: 29.08.2024

M/s. Delite Systems Engineering India Pvt Ltd.,
201, Shalaka, Plot No: 32, TPS II,
Juhu Road, Santacruz (West),
Mumbai - 400 054.

Name of Work:

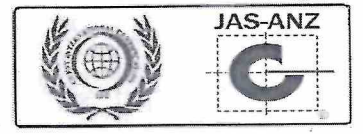
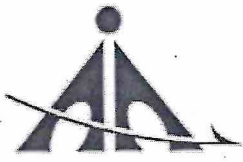
FMC of 4 X 100 TR AC Plant and ACMC for Window, Split, Cassette,
Ductable Split Air Conditioner & Water Coolers at Chennai
International Airport (2024-2026).

Ref:

Tender ID- 2024_AAI_202545_1

Dear Sir(s),

1. Your E-tender for the above-mentioned work has been accepted by the Competent Authority on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to ₹ 93,26,713.00 (Rupees Ninety Three Lakh Twenty Six Thousand Seven Hundred and Thirteen Only) excluding GST which is 20.26% below the Estimated cost of ₹ 1,16,96,583.00 (Rupees One Crore Sixteen Lakh Ninety Six Thousand Five Hundred and Eighty Three Only) excluding GST put to tender.
2. Joint General Manager (Engg-Elect.), AAI, Chennai Airport, Chennai - 600 016 shall be the Engineer-in-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg-Elect.), AAI, Chennai Airport by 31.08.2024 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value ₹100.00 (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
3. Security Deposit shall be deducted as per Para 1.12 of TCS Page 4. Earnest Money Deposit amount will be returned back to your account after deducting equal amount of EMD against Security Deposit from your bill.
4. 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 there of Central and State Governments.



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5. Please note that the time allowed for carrying out the work shall be 24 (Twenty Four Months) and the same shall be reckoned with effect from 01.09.2024
6. You are also directed to contact Asst. Gen. Manager Engg. (Elect.), Airport Maintenance Electrical Division-IX, Airports Authority of India, Operational Offices, Chennai Airport immediately for the execution of the above-mentioned work
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.

Yours faithfully

(A. Mariappan)

Joint General Manager (Engg. -Elect.)
For and on behalf of the Chairman
Airports Authority of India.

Encl: Schedule of Work (05 Pages)

AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT::CHENNAI 600 016

SCHEDULE OF WORK

NAME OF WORK : FMC of 4 X 100 TR AC Plant and ACMC for Window, Split, Cassette, Ductable Split Air Conditioner & Water Coolers at Chennai International Airport (2024-2026).					
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	Monitoring and Maintenance of Utility Services of HVAC System in AAI Admin Block (As per - List of Inventories) on 2 Shift Basis (Timing as decided by Engineer In Charge - Duty Timing for One Shift: 8 Hours in a Day) for 100% Serviceability i/c providing consumable material like cotton waste, oil, grease, Insulation Tapes and other Sundry Material required for cleaning etc., attending Minor Faults / Assisting OEM during Servicing and Breakdown of Equipments, ensuring satisfactory working condition of the Systems, Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manufacturers' Practices (Other than OEM CAMC Works) and as per Techno Commercial Specifications (TCS), Maintenance of Records and Log Books and Reporting as and when required, complete Upkeeping of the Installations etc., on all days except Sundays as specified and as directed by Engineer-In-Charge as required.	24	Months	75,011.00	18,00,264.00
SH:II	FMC & CMC for Air conditioners and Water coolers				
2	Monitoring and Maintenance of AC Installations (Various Capacity of Window ACs/Split ACs/Cassette ACs/Water Coolers etc.) at Various Locations at Chennai Airport (As per - List of Inventories) on 8 Hours Day Shift Basis (Timing as decided by Engineer In Charge) for 100% Serviceability i/c providing Consumable and other Sundry Material required for Cleaning, attending Faults / Breakdown of Equipments, ensuring satisfactory working condition of the Systems, Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manufacturers' Practices and as per Techno Commercial Specifications (TCS), Maintenance of Records and Log Books and Reporting as and when required, complete Upkeeping of the Installations etc., on all days except Sundays as specified and as directed by Engineer-In-Charge as required. (Supply of Materials other than Cleaning Materials is NOT in the Scope of Item)	24	Months	2,59,036.00	62,16,864.00



Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
3	All Inclusive (Except Site Labour) Annual Comprehensive Maintenance of following Type Air- Conditioners including Supply of all necessary Spares (Both Electrical and Mechanical), Consumables (Gas/Oil-Other than Cleaning Materials), Major Electrical and Mechanical Components and Equipments (Compressors/Fan/Motors/Cooling Coils, Controls Systems etc.), To Carry Out Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manu\facturers' Practices and as per Techno Commercial Specifications (TCS) as required. (Man Power Required at SITE is NOT in the Scope of Item-Excluding Airport Site Labour Cost) [Rate is required to be quoted for Yearly Basis]				
a)	Split Air-conditioners of 1.0 TR to 2.0 TR Capacity of different make				
i)	First Year	165	Each	999.00	1,64,835.00
ii)	Second Year	165	Each	999.00	1,64,835.00
b)	Split Air-conditioners of 1.5TR to 2.0 TR Capacity Inverter Type of different make				
i)	First Year	37	Each	999.00	36,963.00
ii)	Second Year	72	Each	999.00	71,928.00
c)	High wall Split Air-conditioners of 3.0 TR Capacity of different make				
i)	First Year	20	Each	999.00	19,980.00
ii)	Second Year	20	Each	999.00	19,980.00
d)	Split type Vertical Air-conditioners of 3/4.0 TR Capacity of different make				
i)	First Year	12	Each	999.00	11,988.00
ii)	Second Year	14	Each	999.00	13,986.00
e)	3 Phase, 3.0/ 4.0 Ton Cassette Type Air-Conditioners of different make				
i)	First Year	4	Each	999.00	3,996.00
ii)	Second Year	6	Each	999.00	5,994.00
f)	Ductable Type Air-Conditioners of 6.0 TR Capacity				
i)	First Year	2	Each	999.00	1,998.00
ii)	Second Year	2	Each	999.00	1,998.00
g)	Ductable type Air-Conditioners of 9.0 TR Capacity				
i)	First Year	9	Each	999.00	8,991.00
ii)	Second Year	9	Each	999.00	8,991.00
h)	Ductable type Air- Conditioners of 16.5 TR Capacity				
i)	First Year	5	Each	999.00	4,995.00
ii)	Second Year	5	Each	999.00	4,995.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
4	All Inclusive (Except Site Labour) Annual Comprehensive Maintenance of Voltage Stabilizer upto 5KVA Capacity suitable for Window/Split ACs including Repair/Replacement of Components etc., as required at site.				
i)	First Year	150	Each	99.00	14,850.00
ii)	Second Year	150	Each	99.00	14,850.00
5	All Inclusive (Except Site Labour) Annual Comprehensive Maintenance of Kelby/Conway Make Water Cooler of Storage Tank Capacity of 80 Liters and RO Purification at 50 LPH Capacity including Supply of all necessary Spares (Both Electrical (including PCB of same Make) and Mechanical (Including SS Taps)), Consumables (Gas/Oil/Filters (Carbon & Spun)-Other than Cleaning Materials), Major Electrical and Mechanical Components and Equipments (Compressors/Fan/Motors/Cooling Coils/Booster Pumps/Controls Systems (Including All Type of Sensors) etc.), To Carry Out Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manufacturers' Practices and as per Techno Commercial Specifications (TCS) as required. (Man Power Required at SITE is NOT in the Scope of Item-Excluding Airport Site Labour Cost and Membrane) [Rate is required to be quoted for Yearly Basis]				
i)	First Year	38	Each	999.00	37,962.00
ii)	Second Year	38	Each	999.00	37,962.00
6	All Inclusive (Except Site Labour) Annual Comprehensive Maintenance of Zero B Make Eco Chill 40-80-40 / Eco Chill 150-150-150 Cold / Eco Chill 40-120-150 WCN Models Water Coolers with Storage Tank Capacity 80/120/150 Liters and RO Purification with HRR & ESS Technology at 150 LPH Capacity including Supply of all necessary Spares (Both Electrical (including PCB of same Make) and Mechanical (Including SS Taps)), Consumables (Gas/Oil/Filters (Carbon/Spun/NOVA Cartridge)-Other than Cleaning Materials), Major Electrical and Mechanical Components and Equipments (Compressors/Fan/Motors/Cooling Coils/Booster Pumps/Controls Systems (Including All Type of Sensors) etc.), To Carry Out Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manufacturers' Practices and as per Techno Commercial Specifications (TCS) as required. (Man Power Required at SITE is NOT in the Scope of Item-Excluding Airport Site Labour Cost and Membrane) [Rate is required to be quoted for Yearly Basis]				
i)	First Year	6	Each	999.00	5,994.00
ii)	Second Year	14	Each	999.00	13,986.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
7	All Inclusive (Except Site Labour) Annual Comprehensive Maintenance of Kelby/Conway Make Normal Hot/Cold Water Cooler of Storage Tank Capacity upto 80 Liters including Supply of all necessary Spares (Both Electrical (including PCB of same Make) and Mechanical (Including SS Taps)), Consumables (Gas/Oil/Filters (Carbon & Spun) Other than Cleaning Materials), Major Electrical and Mechanical Components and Equipments (Compressors/Fan/Motors/Cooling Coils/Booster Pumps/Controls Systems (Including All Type of Sensors) etc.), To Carry Out Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manufacturers' Practices and as per Techno Commercial Specifications (TCS) as required. (Man Power Required at SITE is NOT in the Scope of Item-Excluding Airport Site Labour Cost and Membrane) [Rate is required to be quoted for Yearly Basis]				
i)	First Year	10	Each	999.00	9,990.00
ii)	Second Year	12	Each	999.00	11,988.00
8	All Inclusive Annual Comprehensive Maintenance of Various Make 7-10 LPH Capacity RO+UV Water Purifier including Supply of all necessary Spares (Both Electrical and Mechanical), Consumables (Other than Cleaning Materials), Major Components Including Membrane, To Carry Out Routine and General Preventive Maintenance on Daily / Weekly / Monthly / Quarterly / Half Yearly / Yearly Basis as per Standard Manufacturers' Practices and as per Techno Commercial Specifications (TCS) as required. [Rate is required to be quoted for Yearly Basis]				
i)	First Year	2	Each	999.00	1,998.00
ii)	Second Year	3	Each	999.00	2,997.00
SH:III	SUPPLY OF MATERIALS				
9	Supply of 80/100 GPD Membrane suitable for Kelby / Conway Make RO Type Water Coolers as required.	100	Each	799.00	79,900.00
10	Supply of 300 GPD Membrane suitable for Conway/kelby Make RO Type Water Coolers as required.	300	Each	799.00	2,39,700.00
11	Supply of 100 GPD RO Membrane of Ion Exchange make for ZERO B model ECO Chill 40-120-150 WCN RO water cooler.	22	Each	999.00	21,978.00
12	Supply of 300 GPD RO Membrane of Ion Exchange make for ZERO B model ECO Chill 40-120-150 WCN RO water cooler.	66	Each	999.00	65,934.00
13	Supply of Pressure pump of model NSF-400L/H-ECO SM 100/150 LTR for ZERO B model ECO Chill 40-120-150 WCN RO water cooler.	2	Each	999.00	1,998.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
14	Supply of cordless remote suitable for different make 1.5/2.0 TR/3.0TR split type/window type/tower type/cassette A/C units as required as per Site Requirement.	30	Each	400.00	12,000.00
15	Supply of Refrigerant copper piping of suitable size and thickness as per OEM Recommendation to connect indoor and outdoor units, including Insulation of 9mm thick nitrile rubber and protective external covering with Cotton tape all necessary supports/fittings etc., as required. (Material Cost of Brazing to be included in the Quote)				
a)	Suction Tube & Liquid Tube for 1.5 TR AC	100	Meter	799.00	79,900.00
b)	Suction Tube & Liquid Tube for 2 TR AC	30	Meter	799.00	23,970.00
c)	Suction Tube & Liquid Tube for 3 TR & 4 TR AC	25	Meter	799.00	19,975.00
16	Supply of Insulation of 9mm thick nitrile rubber and Cotton tape protective external covering with all necessary supports/fittings etc. as required.				
a)	Suction Tube & Liquid Tube for 1.5 TR AC	300	Meter	99.00	29,700.00
b)	Suction Tube & Liquid Tube for 2 TR AC	50	Meter	100.00	5,000.00
c)	Suction Tube & Liquid Tube for 3 TR & 4 TR AC	50	Meter	100.00	5,000.00
17	Supply of standard outdoor wall bracket with vibration pad of suitable size for Split AC Unit up-to 2 TR Capacity of ACs complete as required.	30	Each	100.00	3,000.00
18	Supply of following Refrigerant Gases for Installation of AC Units at New Location as required.				
a)	R22	25	KG	100.00	2,500.00
b)	R32	25	KG	100.00	2,500.00
c)	R410A	25	KG	100.00	2,500.00
19	Supply of 25 mm dia UPVC drain pipe with Insulation and fixing saddles complete as required.	300	Meter	50.00	15,000.00
				TOTAL	93,26,713.00

(Rupees Ninety Three Lakh Twenty Six Thousand Seven Hundred and Thirteen Only)

Note: Applicable GST shall be paid on submission of taxable invoice as extra.


JGM (E-E)
AAI, Chennai Airport

Signature Not Verified

Digitally signed by JAGAN MOHAN BONTADA
Date: 2024.11.20 16:27:24 IST
Location: eProcurement System for Central PSUs