

By Speed Post / E-mail

Ref. No. AAI/CLCIAL/E-E/278/WO-01/ 148

Date: 12.08.2025

M/s Aquatics Engineers,
G4-106-107, First Floor,
Sector – 11, Rohni,
New Delhi – 110 085
Email : mukesh.mangla001@gmail.com

Name of Work : Replacement of AC Units at ANS Buildings including AICMC
for 5 years at Cochin International Airport (CIAL).
Ref : Your financial bid opened on 29.07.2025

Dear Sir(s),

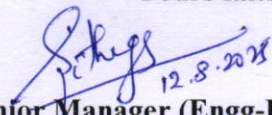
1. Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you ~~after negotiation~~ totaling to **Rs.10,77,940/- (Rupees Ten Lakhs Seventy Seven Thousand Nine Hundred and Forty Only) (excluding GST) (SITC Rs.8,69,850/- + AICMC Rs. 2,08,090/-) which is 8.25% below the justified cost of Rs. 11,74,873/-**
2. Senior Manager (Engg-Elect), AAI, Calicut International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of Senior Manager (Engg-Elect), AAI, Calicut International Airport by **20.08.2025** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.200/- (Rupees Two Hundred only)** and the cost of the stamp paper shall be borne by you.
3. The earnest money deposited by you along with tender will be released by AAI through NIC-CPP portal on processing your RA bills. Please deposit **Rs.1,07,794/- (Rupees One Lakh Seven Thousand Seven Hundred and Ninety Four Only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause No.1 A at page No. GCC 16 of contract document.
4. Within 30 days of issue of acceptance letter, you shall submit to AAI, a Performance Guarantee as per condition of clause 9 page SCC 3 for an amount of Rs.....(Rupees.....) On the form of Bank Guarantee on the Proforma appended at Annexure ...on Contract Document (If it is applicable).

5. You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction of Works (Regulation of Employment and Condition of Services) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 37 on Page No.67 & 89 of GCC of tender and rules of Central and State Government.
6. You are also directed to contact Manager (Engg-Elect), AAI, Calicut International Airport immediately who will arrange to hand over the site.
7. Please note that the time allowed for carrying out the work shall be **03 (Three) Months** and same shall be reckoned from the 10th day of issue of this letter.
8. Any further correspondence in connection with the contract should normally be addressed to the Engineer- In- Charge.
9. Please note that the awarded rate is exclusive of GST and you are required to submit valid GST invoices for effecting payment.
10. AAI has registered as a buyer under TREDIS and vendors may avail the benefits of TREDIS, a govt. of India initiative.
11. The period within which payment would be released to MSME vendors after submission /processing of invoices/claims is 45 days.
12. 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.

Thanking you,

Encl: SOQ

Yours faithfully,


12.8.2018
Senior Manager (Engg-Elect),
For and on behalf of the Chairman,
Airports Authority of India.

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: AIRPORTS AUTHORITY OF INDIA

Name of Work : Replacement of AC Units at ANS Buildings including AICMC for 5 years at Cochin International Airport (CIAL)

Contract No: Tender ID -2025_AAI_239159_1

Name of the Bidder/ Bidding Firm / Company :		AQUATICS ENGINEERS				
PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	SITC of 1.5 TR split type 5 star AC (inverter type-minimum EER 4.50) consisting of single room unit (evaporator unit) comprising copper coil with cordless remote control, suitable external voltage stabilizer unit and one number outdoor condensing unit (copper coil) with sealed suitable type compressor and suitable for operation on 230V, 50Hz AC supply, non CFC refrigerant like R32 or equivalent capable of performing (a) cooling (b) de-humidifying (c) Air-Circulating (d) filtering including fixing the outdoor condenser unit on a raised suitable pedestals duly painted/Metal Stand as per site requirement (Pedestals/Metal Stand included in the scope) and fixing of Evaporator unit including providing and making inter connections between evaporator unit and condensing unit up to a length of 3 mtr. comprising of the following including first charge of refrigerant, complete as required. a) Suitable drain pipe of PVC or as per OEM specification for length upto 10 Metre b) Suitable insulated copper pipe for liquid line or as per OEM specification for length upto 3 Metre c) Suitable copper pipe for suction or as per OEM specification for length upto 3 Metre d) Suitable FR insulated, PVC sheathed unarmoured multi strand copper cable or as per OEM specification for length upto 3 Metre e) Supply and Fixing of Heavy duty Rigid type PVC pipe / PVC Trunking of suitable size for covering in the liquid line, suction line and multi strand copper cable or as per OEM specification for length upto 3 Metre	4.00	Job	46000.00	184000.00	INR One Lakh Eighty Four Thousand & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
2	Supply and fixing of following for interconnections between evaporator unit and condensing unit mentioned in item No 1 (extra length if required) including all accessories etc. complete as required a) Suitable insulated copper pipe for liquid line or as per OEM specification for the item No 1 b) Suitable insulated copper pipe for suction or as per OEM specification for the item No 1 c) Suitable FR insulated, PVC sheathed unarmoured multi strand copper cable or as per OEM specification for the item No 1 d) Supply and Fixing of Heavy duty Rigid type PVC Pipe/Plastic Trunking of suitable size for covering in the refrigerant drain line, liquid line, suction line and multi strand copper cable as required for the item No 1., complete as required.	20.00	Mtr	800.00	16000.00	INR Sixteen Thousand & Paise Zero Only
3	SITC of 2 TR split type 5 star AC (inverter type-minimum EER 4.50) consisting of single room unit (evaporator unit) comprising copper coil with cordless remote control, suitable external voltage stabilizer unit and one number outdoor condensing unit (copper coil) with sealed suitable type compressor and suitable for operation on 230 V, 1 phase 50Hz. AC supply, non CFC refrigerant like R32 or equivalent capable of performing (a) cooling (b) de-humidifying (c) Air-Circulating (d) filtering including fixing the outdoor condenser unit on a raised suitable pedestals duly painted/Metal Stand as per site requirement (Pedestals/Metal Stand included in the scope) and fixing of Evaporator unit including providing and making inter connections between evaporator unit and condensing unit up to a length of 3 mtr. comprising of the following including first charge of refrigerant, complete as required. a) Suitable drain pipe of PVC or as per OEM specification for length upto 10 Metre b) Suitable insulated copper pipe for liquid line or as per OEM specification for length upto 3 Metre c) Suitable copper pipe for suction or as per OEM specification for length upto 3 Metre d) Suitable FR insulated, PVC sheathed unarmoured multi strand copper cable or as per OEM specification for length upto 3 Metre e) Supply and Fixing of Heavy duty Rigid type PVC pipe / PVC Trunking of suitable size for covering in the liquid line, suction line and multi strand copper cable or as per OEM specification for length upto 3 Metre	1.00	Job	66000.00	66000.00	INR Sixty Six Thousand & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
4	Supply and fixing of following for interconnections between evaporator unit and condensing unit mentioned in item No 3 (extra length if required) including all accessories etc. complete as required a) Suitable insulated copper pipe for liquid line or as per OEM specification for the item No 3 b) Suitable insulated copper pipe for suction or as per OEM specification for the item No 3 c) Suitable FR insulated, PVC sheathed unarmoured multi strand copper cable or as per OEM specification for the item No 3 d) Supply and Fixing of Heavy duty Rigid type PVC Pipe/Plastic Trunking of suitable size for covering in the refrigerant drain line, liquid line, suction line and multi strand copper cable as required for the item No 3., complete as required.	5.000	Mtr	1000.00	5000.00	INR Five Thousand & Paise Zero Only
5	Supply, erection, testing and commissioning of Ceiling concealed packaged ductable split air-conditioner unit of 8.5 TR nominal capacity (non-Inverter) consisting of Indoor unit and Outdoor units with scroll compressors, condenser coil, fan motor etc., microprocessor based controller, bracing of copper piping, Nitrogen pressure testing, vacuumising (500 micron) and initial charging of refrigerant gas, R-410a, etc. and other necessary safety controls, single phasing preventor etc. suitable for 415V, 50Hz, 3Phase, 4 Wire AC power supply with remote control for each unit, including necessary mounting arrangements for indoor and outdoor units at site, joining with ducts existing/newly installed, with necessary Double Canvass connection (Fire retardant), dismantling of the existing false ceiling, and making it good after installation works, complete with all accessories as required.	2.00	Job	190000.00	380000.00	INR Three Lakh Eighty Thousand & Paise Zero Only
6	Supply and fixing of following size copper refrigerant piping (hard drawn) for interconnecting indoor unit and condensing unit of ductable AC Unit of item no. 5 as per OEM specifications with necessary fitting, supports, duly insulated with closed cell elastomeric nitrile rubber insulation etc. complete as per specifications Liquid line of suitable dia (Insulation Thickness - 13mm)	15.00	Mtr	1600.00	24000.00	INR Twenty Four Thousand & Paise Zero Only
7	Supply and fixing of following size copper refrigerant piping (hard drawn) for interconnecting indoor unit and condensing unit of ductable AC Unit of item no. 5 as per OEM specifications with necessary fitting, supports, duly insulated with closed cell elastomeric nitrile rubber insulation etc. complete as per specifications Suction line of suitable dia (Insulation Thickness - 19mm)	15.00	Mtr	1200.00	18000.00	INR Eighteen Thousand & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
8	Supply and installation of PVC insulated multicore cable, copper conductor control flexible cable of suitable size as per OEM specifications for interconnection between outdoor and indoor units including termination complete as required.	20.00	Mtr	240.00	4800.00	INR Four Thousand Eight Hundred & Paise Zero Only
9	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required. Thickness 0.60 mm sheet	10.00	Sqm	1500.00	15000.00	INR Fifteen Thousand & Paise Zero Only
10	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required. Thickness 0.80 mm sheet	10.00	Sqm	1300.00	13000.00	INR Thirteen Thousand & Paise Zero Only
11	Supplying and fixing of 25mm thickness duly laminated aluminium foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.	20.00	Sqm	1000.00	20000.00	INR Twenty Thousand & Paise Zero Only
12	Supply and fixing of powder coated extruded aluminium grille for supply & return air complete with all accessories without collar damper etc. complete as required at site as per specifications.	2.00	Sqm	10000.00	20000.00	INR Twenty Thousand & Paise Zero Only
13	Supply and fixing of powder coated extruded aluminium diffuser for supply air complete with all accessories with extruded aluminium collar damper etc. complete as required at site as per specifications.	2.00	Sqm	14000.00	28000.00	INR Twenty Eight Thousand & Paise Zero Only
14	Supply and fixing of powder coated extruded aluminium diffuser for return air complete with all accessories without collar damper etc. complete as required at site as per specifications.	2.00	Sqm	12500.00	25000.00	INR Twenty Five Thousand & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
15	Supply and installation of 25mm dia drain piping made of PVC medium class pipe complete with fittings, supports etc. as per specifications and duly insulated with 9 mm thick closed cell nitrile rubber insulation as per specifications.	60.00	Mtr	200.00	12000.00	INR Twelve Thousand & Paise Zero Only
16	Supply and installation of suitable dia as per OEM specification of drain piping for ductable AC Units as per OEM specifications made of PVC medium class pipe complete with fittings, supports etc. as per specifications and duly insulated with 9 mm thick closed cell nitrile rubber insulation as per specifications.	60.00	Mtr	250.00	15000.00	INR Fifteen Thousand & Paise Zero Only
17	Dismantling of indoor and outdoor units of 8.5 TR CARRIER make ductable AC Units at the automation server control room excluding the ducting, including closing the duct openings with GSS sheet, other accessories and making it good etc. complete as required.	2.00	Job	7500.00	15000.00	INR Fifteen Thousand & Paise Zero Only
18	Dismantling of indoor and outdoor units of the 1.5/2 TR split air conditioning including the copper piping and cabling, and other accessories and making it good etc. complete as required.	4.00	Job	1200.00	4800.00	INR Four Thousand Eight Hundred & Paise Zero Only
19	Supplying and fixing 5 A to 32 A rating, 240 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole -16A	1.00	Each	500.00	500.00	INR Five Hundred & Paise Zero Only
20	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 16 A 230 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	1.00	Each	2500.00	2500.00	INR Two Thousand Five Hundred & Paise Zero Only
21	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	5.00	Mtr	250.00	1250.00	INR One Thousand Two Hundred Fifty & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
22	All inclusive Comprehensive Maintenance (AICMC) of following type and capacity of air-conditioners installed at different locations of Cochin Intl Airport including providing all necessary consumables and spares carrying out various maintenance activities as per maintenance schedule and breakdown maintenance. (1 Job =Comprehensive maintenance of 01 Ac unit for one year)Where Defect liability period is One year					
22.1	1.5 TR split type 5 star AC (Inverter type) - 1st Year after completion of Defects Liability Period (@ 4.80 % of SITC of Item no. 1)	4.00	Job	2208.00	8832.00	INR Eight Thousand Eight Hundred Thirty Two & Paise Zero Only
22.2	1.5 TR split type 5 star AC (Inverter type) - 2nd Year after completion of Defects Liability Period (@ 5.10 % of SITC of Item no. 1)	4.00	Job	2346.00	9384.00	INR Nine Thousand Three Hundred Eighty Four & Paise Zero Only
22.3	1.5 TR split type 5 star AC (Inverter type) - 3rd Year after completion of Defects Liability Period (@ 5.30 % of SITC of Item no. 1)	4.00	Job	2438.00	9752.00	INR Nine Thousand Seven Hundred Fifty Two & Paise Zero Only
22.4	1.5 TR split type 5 star AC (Inverter type) - 4th Year after completion of Defects Liability Period (@ 5.60 % of SITC of Item no. 1)	4.00	Job	2576.00	10304.00	INR Ten Thousand Three Hundred Four & Paise Zero Only
22.5	1.5 TR split type 5 star AC (Inverter type) - 5th Year after completion of Defects Liability Period (@ 5.90 % of SITC of Item no. 1)	4.00	Job	2714.00	10856.00	INR Ten Thousand Eight Hundred Fifty Six & Paise Zero Only
23	All inclusive Comprehensive Maintenance (AICMC) of following type and capacity of air-conditioners installed at different locations of Cochin Intl Airport including providing all necessary consumables and spares carrying out various maintenance activities as per maintenance schedule and breakdown maintenance. (1 Job =Comprehensive maintenance of 01 Ac unit for one year)Where Defect liability period is One year					
23.1	2.0 TR split type 5 star AC (Inverter type) - 1st Year after completion of Defects Liability Period (@ 5.60 % of SITC of Item no. 3)	1.00	Job	3696.00	3696.00	INR Three Thousand Six Hundred Ninety Six & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
23.2	2.0 TR split type 5 star AC (Inverter type) - 2nd Year after completion of Defects Liability Period (@ 5.80 % of SITC of Item no. 3)	1.00	Job	3828.00	3828.00	INR Three Thousand Eight Hundred Twenty Eight & Paise Zero Only
23.3	2.0 TR split type 5 star AC (Inverter type) - 3rd Year after completion of Defects Liability Period (@ 6.10 % of SITC of Item no. 3)	1.00	Job	4026.00	4026.00	INR Four Thousand Twenty Six & Paise Zero Only
23.4	2.0 TR split type 5 star AC (Inverter type) - 4th Year after completion of Defects Liability Period (@ 6.40% of SITC of Item no. 3)	1.00	Job	4224.00	4224.00	INR Four Thousand Two Hundred Twenty Four & Paise Zero Only
23.5	2.0 TR split type 5 star AC (Inverter type) - 5th Year after completion of Defects Liability Period (@6.80 % of SITC of Item no. 3)	1.00	Job	4488.00	4488.00	INR Four Thousand Four Hundred Eighty Eight & Paise Zero Only
24	All inclusive Comprehensive Maintenance (AICMC) of following type and capacity of air-conditioners installed at different locations of Cochin Intl Airport including providing all necessary consumables and spares carrying out various maintenance activities as per maintenance schedule and breakdown maintenance. (1 Job =Comprehensive maintenance of 01 Ac unit for one year)Where Defect liability period is One year					
24.1	8.5 TR ductable split type AC (Non-Inverter type) - 1st Year after completion of Defects Liability Period (@ 6.00 % of SITC of Item no. 5)	2.00	Job	11400.00	22800.00	INR Twenty Two Thousand Eight Hundred & Paise Zero Only
24.2	8.5 TR ductable split type AC (Non-Inverter type) - 2nd Year after completion of Defects Liability Period (@ 6.50 % of SITC of Item no. 5)	2.00	Job	12350.00	24700.00	INR Twenty Four Thousand Seven Hundred & Paise Zero Only
24.3	8.5 TR ductable split type AC (Non-Inverter type) - 3rd Year after completion of Defects Liability Period (@ 7.50 % of SITC of Item no. 5)	2.00	Job	14250.00	28500.00	INR Twenty Eight Thousand Five Hundred & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
24.4	8.5 TR ductable split type AC (Non-Inverter type) - 4th Year after completion of Defects Liability Period (@ 8.00 % of SITC of Item no. 5)	2.00	Job	15200.00	30400.00	INR Thirty Thousand Four Hundred & Paise Zero Only
24.5	8.5 TR ductable split type AC (Non-Inverter type) - 5th Year after completion of Defects Liability Period (@ 8.50 % of SITC of Item no. 5)	2.00	Job	16150.00	32300.00	INR Thirty Two Thousand Three Hundred & Paise Zero Only
Total in Figures					1077940.00	INR Ten Lakh Seventy Seven Thousand Nine Hundred Forty & Paise Zero Only
Quoted Rate in Words		INR Ten Lakh Seventy Seven Thousand Nine Hundred Forty & Paise Zero Only				

S. Thys
PM(E-E)
12.8.2025

सुजीथ्रा जी.एस/ SUJITHRA G S
वरिष्ठ प्रबंधक (इंजि.-विद्युत) /Senior Manager (E-E)
भा.वि.प्रा.कालिकट अंतर्राष्ट्रीय हवाई अड्डा
AAI, Calicut International Airport

Signature Not Verified

Digitally signed by SUJITHRA
Date: 2026.03.09 16:41:35 IST
Location: eProcurement System for Central PSUs

