



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No: AAI/CATFM/E-E/SITC-AÇs (AHU/PAC)/2019-20/W.O -16

Date: 17 March 2020

To,

M/s Anemo Prime Pvt. Ltd.
Plot No. - 470,
Pace City-II, Sector- 37,
Gurugram, - 122001
Email : aruny@anemoprime.com

Subject : Augmentation of Air-conditioning capacity at CATFM Building, IAA, Vasant kunj, New Delhi (2019-20). SH: SITC of AHU & PAC

Reference: 1) Your E-tender opened on 24.02.2020

Dear Sir,

1. Your e-bid for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rate quoted by you totaling to Rs. 63,26,932/- (Excluding GST) which is 18.10% below the Justified Cost of Rs. 77,25,375/- (Excluding GST).

2. Asstt. Gen. Mgr (E-E), AAI, New ATS Complex, shall be the Engineer-In-Charge of the work. You are requested to attend the office of Asstt. Gen. Mgr. (E-E), AAI, New ATS Complex, within fifteen days 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.

A separate agreement shall be signed for AIACMC (All Inclusive Annual Comprehensive Maintenance Contract) for a period of 05 (five) years after completion of Defect Liability Period of SITC work of equipment.

3. Please deposit Rs. 4,78,185/- (As EMD of amount Rs. 1,54,508/- is already deposited) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your running bills.

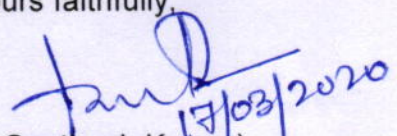
4. You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages act and rules thereof Central and State Governments.

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5. You are also directed to contact Manager (E-E), AAI, New ATS Complex, who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work shall be **Three Months** and same shall be reckoned from the 10th day after issue of this letter.
6. Any further correspondence in connection with the contract should normally be addressed to Asstt. Gen. Mgr. (E-E), Airports Authority of India, New ATS Complex, IGI Airport, New Delhi – 110037.
7. The rates are inclusive of all taxes, duties, Cess, fees, royalty charges etc. levied under any statute but exclusive of GST (as applicable). The agency has to submit the bill, Tax invoices along with all necessary documents for preparing bill by this office.
8. All the letters referred above shall form part of Contract.
9. The defects liability period is One Year from the date of actual completion of the work.

Thanking You.

Yours faithfully,


(K Santhosh Kumar)
Asstt. Gen. Mgr. (E-E)
AAI, NATS Complex

Enclosure: Schedule of Quantities (Two Pages)

Copy to :

1. Jt. Gen. Mgr. (F&A), AAI, Operational Office Complex, Rangpuri, New Delhi.
2. Jt. Gen. Mgr. (E-E), AAI, Operational Office Complex, Rangpuri, New Delhi.
3. Manager (E-E)-I, AAI, NATS, Complex, New Delhi.
4. Office of the Labour Commissioner, Govt. of NCT of Delhi, 5, Sham Nath Marg, Delhi- 110054
5. Agreement Copy.

SCHEDULE OF QUANTITY

Name of Work : Augmentation of Air-conditioning capacity at CATFM Building, IAA, Vasantkunj, New Delhi (2019-20).
SH: SITC of AHU & PAC

Sl.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	SUB HEAD - I (SUPPLY ITEM)				
	SUPPLY OF AHU-CEILING MOUNTED -DX TYPE				
1	Supply, Installation, Testing, Commissioning (I/c Handling/Transportation) of Factory built Horizontal Ceiling Suspended Airhandling units having following specifications: Frame Structure shall consist of 45 mm Extruded Aluminium with thermal break profile of 45 mm +/- 1mm thick double skin sandwich panels with Rockwool insulation of density 60 kg/cum. The sheet thickness shall be minimum 1.00 mm for the outer skin and 0.8 mm thickness for the inner skin of GI. Filtration Section shall be provided with single stage washable type of 'G4' pre-filter. DX type coil Multi row deep constructed with Aluminium fins of minimum 0.11mm thickness and copper tubes of minimum 26G thickness. Copper tube shall be 9.6 mm or 12.5 mm diameter. The coil face area velocity shall not exceed 2.5 m/sec. The coil should be provided with Hydrophilic coating. Condensate drain pan shall be fabricated from 18G SS 304 powder coated, insulated with 13 mm thick closed cell elastomeric insulation. Direct drive backward curved EC fan (Electronically commutated) with permanent magnet brushless DC motor for stepless variation of speed of fan based on temperature sensor inputs. The fan section shall be provided with limit switch for safety to shut off fan during Opening of access door. Inbuilt Electrical starter Panel with Auto /Manual switch and incomer power terminal. Instrumentation Kit to be provided to give out the following option: 1. Supply air temperature 2. Return air temperature Controller module with RS 485 port compatible with BMS, on board protocol . Microprocessor Controller to be provided in separate box. Inverter Condensing unit/ outdoor unit of minimum 12.5 TR capacity (to perform upto 48 deg.C Ambient) shall be suitable for integration with the indoor unit and having capacity -7000 CFM (T.S.P: 50 mmWG) DX-TYPE with indoor conditions -20+/-2 deg.C (Refrigerant R407c/410a, Outdoor unit motor protection should be of IP-54 category). It includes indoor and outdoor unit stand/support and Minor civil works, wall opening, cheasing etc.	Nos.	3	1066821.25	3200463.75
	SUPPLY OF PRECISION ACs				
2	Supply, Installation, Testing, Commissioning (I/c Handling/Transportation) of direct expansion microprocessor based bottom discharge precision ac units as per the specifications complete with sandwich panels, air cooled condenser with stepless variable speed fans for winter operation, scroll compressor/s, evaporator coil with hydrophilic coating, Electronically Commutated brushless motor backward curved plug fan/s, Electronic/Thermostatic Expansion Valve, environment friendly refrigerant (R407c/ R410a), electric heater/s, variable capacity auto-modulating humidifier, built in oil separators and vibration isolators. Motor shall be suitable for 415 ± 10% volts, 50 cycles, 3 phase AC supply. Outdoor unit motor protection should be of IP-54 category, and should be weather proof. Auto sequencing of the units for equal run time should be integral part of the micro-processor. Capacity - 17TR. It includes Indoor and Outdoor unit stand, MS angle support for PAC, sequencing cabling, charging of gas and Minor civil works, wall opening, cheasing etc. R/A Temp 19 Deg. C +/- 1 Deg. C / RH 50% +/- 10 Ambient 48 degree celcius.	No.	1	734821.50	734821.50
	TOTAL OF SH-I				3935285.25
	Sub Head - II (Supply and Low Side work)				
A	AHU-CEILING MOUNTED -DX TYPE				
1	Supply and installation of copper piping of 18G thickness (Size 1/18 inch and 7/8 inch)	Mtr.	90	1250.00	112500.00
2	Supply and installation of control cable (size 10Cx1sqmm copper armoured)	Mtr.	75	147.49	11061.75
3	Supply and installation of power cable (size 4Cx16sqmm copper armoured)	Mtr.	60	601.35	36081.00
4	Drain piping CPVC/UPVC with necessary fittings				
(a)	50mm dia	Mtr.	25	262.00	6550.00
(b)	40mm dia	Mtr.	50	115.73	5786.50
5	Conventional site Fabricated ducts Supply, Fabrication, Installation and Testing of sheet metal ducts in accordance with the approved shop drawings and specifications. Ducts shall be fabricated using lock forming machine. The ducts shall be insulated with 13mm thick closed cell elastomeric insulation.				
(a)	0.63mm (24 gauge) GSS	Sq. Mtr.	150	1099.00	164850.00
(b)	1.0mm (20 gauge) GSS	Sq. Mtr.	60	1366.00	81960.00
6	Supply, Installation, Testing of Aluminum powder coated supply air Floor Grilles with VCD, suitable to handle the 100Kg/ UDL	Nos.	30	6635.90	199077.00

Sl.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
7	Supply, Installation of Aluminum powder coated supply & return air diffusers with VCD	Nos.	4	1896.73	7586.92
8	Supply, installation, testing & commissioning of GI Volume control Damper with Actuators suitable for torque to operate the VCD. It shall be mount on AHU Supply Air outlet (UL 55/UL 555)	Nos.	3	13144.78	39434.34
9	Supply, Installation of Gypsum ceiling/ducting wooden panelling with fully finish as per existing aesthetic & approved colour painting to cover the exposed ducting (l/c dismantling if any).	Sq.Fit	350	152.00	53200.00
10	Supply & installation of MCCB 100A, it shall mount on existing electrical panel	Nos.	4	9922.00	39688.00
11	Factory test as specified.	Job	1	300000.00	300000.00
B	PRECISION AC				
1	Indoor to outdoor copper piping (Size 1/18 inch and 7/8 inch) for DX units with cable tray and sleeve insulation on copper pipe	Mtr.	40	1790	71600.00
2	Control cabling between indoor to out door unit w/o cable tray(4Cx2.5sqmm copper armoured)	Mtr.	50	162.62	8131.00
3	Supply and installation of GI Bare Dampers with Actuators for PACs	No.	1	11879.00	11879.00
4	Power Cable indoor unit to Isolater/MCCB (size 4Cx16sqmm copper armoured)	Mtr.	10	588.00	5880.00
	TOTAL OF SH-II				1155265.51
	SUB HEAD - III				
1	All Inclusive Annual Comprehensive Maintenance (AICMC) of AHU and PAC etc complete as installed and commissioned in the above section of SOQ/BOQ for the period of 05 years after DLP of 01 year :				
(a)	1st Year	Month	12	17916.00	214992.00
(b)	2nd Year	Month	12	19170.00	230040.00
(c)	3rd Year	Month	12	20512.79	246153.48
(d)	4th Year	Month	12	21948.00	263376.00
(e)	5th Year	Month	12	23485.00	281820.00
	TOTAL OF SH-III				1236381.48
	SUMMARY				
	TOTAL OF SH-I				3935285.25
	TOTAL OF SH-II				1155265.51
	TOTAL OF SH-III				1236381.48
	TOTAL (SH-I + SH-II +SH-III)			Rs.	6326932.24
				Say Rs.	6326932.00

Note : The rates are inclusive of all taxes, duties, Cess, fees, royalty charges etc. levied under any statute but **exclusive GST** (as applicable).

[Handwritten Signature]
17/02/2020

(K Santhosh Kumar)
Asstt. Gen. Mgr. (E-E)
AAI, NATS Complex

Signature Not Verified

Digitally signed by K SANTHOSH KUMAR
Date: 2020.09.04 04:50:05 PDT
Location: eProcurement System for Central PSUs