

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

ISO9001:2008

TRAINAIR PLUS FULL MEMBER

पत्रांक सं० : भा.वि.प्रा./ना.वि.प्र.का./उ.म.प्र.अभि.(वि.)/का.सं./2020-21/टी-07/1147-1160
Letter No. : AAI/CATC/DGME(E)/WO/2020-21/T-07/

दि०: 10/12/2020

Date: 10/12/2020

4302-15

पंजीकृत डाक द्वारा
By Registered Post

सेवा में,

To,

मेसर्स एयरकॉन इंजीनियर्स
442/95, जनरेलगांज,
बालागांज, लखनऊ-226003

M/s Aircon Engineers
442/95, Janrailganj,
Balaganj, Lucknow- 226003

विषय : ऑपरेशन एण्ड एनुअल काम्प्रेहेन्सिव मेन्टेनेन्स आफ एच.वी.ए.सी. सिस्टम, पैकेज प्लान्ट, विन्डो/स्प्लिट एसी एट सी.ए.टी.सी., प्रयागराज। (फॉर 02 इयर्स) (2020-21 एवं 2021-22)।

Sub : Operation and Annual Comprehensive Maintenance of HVAC System, Package Plants, Window / Split AC at CATC, Prayagraj. (For 02 years) (Year 2020-21 & 2021-22)

संदर्भ-1 : भा.वि.प्रा. की निविदा संख्या : 2020_AAI_58006_1 के लिए आपकी बिड।

Ref.-1 : Your bid for A.A.I. E-tender No.: 2020_AAI_58006_1

प्रिय महोदय,

- उपरोक्त कार्य के लिए आपकी निविदा रुपये 60,51,600.00 (रुपया साठ लाख इक्यावन हजार छः सौ मात्र) (वस्तु एवं सेवाकर के बिना) की मद दर निविदा, जो कि कार्य की न्यायोचित लागत रुपये 99,65,340.00 (रुपया नित्यानवे लाख पैसठ हजार तीन सौ चालीस मात्र) से 39.27% (उनतालीस दशमलव दो सात प्रतिशत) कम है, आपके द्वारा निविदा प्रपत्र की अनुसूची 'अ' में दर्शायी गयी मद दरों पर भरी गई है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है।

Your 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 totalling to ₹ 60,51,600.00 (Rupees Sixty Lakh Fifty One Thousand Six Hundred Only) (Without GST) which is 39.27% (Thirty Nine Point Two Seven Percent), Below the justified cost of ₹ 99,65,340.00 (Rupees Ninety Nine Lakh Sixty Five Thousand Three Hundred Forty Only).

- उप महाप्रबन्धक अभियांत्रिकी (विद्युत), भा.वि.प्रा., ना.वि.प्र.का. बमरौली प्रयागराज इस कार्य के प्रभारी अभियन्ता होंगे तथा वरिष्ठ प्रबन्धक (अभि.-विद्युत)/सहायक प्रबन्धक(अभि.-विद्युत), ना.वि.प्र.का. उनके प्राधिकृत प्रतिनिधि होंगे। आपसे अनुरोध है कि दिनांक 19 दिसम्बर 2020 तक उप महाप्रबन्धक (अभियांत्रिकी-विद्युत), के कार्यालय में उपस्थित होकर ठेका संविदा को हस्ताक्षरित कर पूर्ण करें। अनुबन्ध रुपए 100/- के गैर न्यायीक स्टाम्प पेपर पर सम्पादित किया जाएगा, स्टाम्प पेपर की कीमत आपके द्वारा वहन की जाएगी।

The Dy. Gen. Manager (Engg-Elect), AAI, CATC, Bamrauli, Prayagraj shall be the Engineer-In-Charge of the work and Sr. Manager (Engg-Elect)/ Asst. Manager (Engg-Elect.), CATC shall be our authorised representative. You are requested to attend the office of the undersigned by 19/12/2020 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value ₹ 100/- and the cost of stamp paper shall be borne by you.

- कृपया सुरक्षा राशि रुपया 6,05,160.00 (रुपया छः लाख पाँच हजार एक सौ साठ मात्र) इस पत्र के निर्गत दिनांक से 15 दिनों के भीतर जमा करें अन्यथा उक्त धनराशि की कटौती संविदा प्रपत्र की उक्त संदर्भित शर्त के अनुसार चालू लेखा बिलों से की जाएगी।

Please deposit ₹ 6,05,160.00 (Rupees Six Lakh Five Thousand One Hundred Sixty Only), towards security deposit within 15 days from the date of issue of this letter, failing which the same will be deducted from the Running Account Bill.

10/12/2020

शेष पृष्ठ 2 पर.....



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- 4) आपसे अनुरोध है कि संविदा श्रमिक प्रावधान (विनिमय एवं उन्मूलन) 1970 श्रमिक प्रावधान (विनिमय एवं उन्मूलन)-केन्द्रीय नियम 1971, न्यूनतम मजदूरी अधिनियम एवं इस सम्बन्ध में केन्द्र/राज्य सरकार के नियमों का पालन करना सुनिश्चित करें।
You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 1970 and Contract Labour (Regulation & Abolition) Central rules 1971 and Minimum Wages Act & Rules thereof Central and State Governments with upto date amendments.
- 5) आपको निर्देशित किया जाता है कि आप तुरन्त प्रभाव से वरिष्ठ प्रबन्धक (अभि.-विद्युत)/ सहायक प्रबन्धक (अभि.-विद्युत), ना0वि0प्र0का0, बमरौली, प्रयागराज से सम्पर्क करें जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे।
You are also directed to contact the Sr. Manager (Engg.-Elect.)/ Asst. Manager (Engg.-Elect.), CATC, Bamrauli, Prayagraj, immediately who will arrange to hand over the site to you.
- 6) कृपया ध्यान दें कि कार्य पूर्ण करने की अवधि 24 माह है जो दिनांक 15/12/2020 से प्रभावी मानी जाएगी।
Please note that time allowed for carrying out the work shall be 24 Months. Which shall be reckoned from the 15/12/2020.
- 7) संविदा के सन्दर्भ में किसी प्रकार का पत्राचार सामान्यतः उप महाप्रबन्धक (अभि0-विद्युत), सी0ए0टी0सी0 बमरौली, प्रयागराज-211012 को सम्बोधित करें।
Any further correspondence in connection with the contract should normally be addressed to the Dy. Gen. Manager (Engg-Elect), CATC, Bamrauli, Prayagraj-211012.
- 8) कृपया इस पत्र की पावती भेजें एवं पत्र कि अनुलिपि जो कि संलग्न है को हस्ताक्षरित कर अधोहस्ताक्षरी को स्वीकृत चिन्ह के रूप में वापस करें।
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.
- 9) ठेके की त्रुटि दायित्व अवधि 06 महीने है।
The Defect liability period of the contract is 06 months.

नोट: यदि हिन्दी अथवा अंग्रेजी रुपान्तरण में कोई भिन्नता अथवा अस्पष्टता होती है तो अंग्रेजी रुपान्तरण अभीभावी होगा।

Note: In case of difference or ambiguity in Hindi or English version, the English version will prevail.

संलग्नक / Enclosures

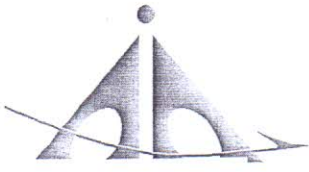
1- मात्रा अनुसूची / Schedule of Quantities (SCHEDULE "A").

भवदीय,

(Signature)
10/12/2020

उप महाप्रबन्धक (अभि0-विद्युत)
Dy. Gen. Manager (Engg-Elect.)
सी0ए0टी0सी0, बमरौली, प्रयागराज
CATC, Bamrauli, Prayagraj
कृते अध्यक्ष, भा0वि0प्रा0
On Behalf of Chairman, AAI

शेष पृष्ठ 3 पर.....



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वितरण : -

1. वैयक्तिक सहायक, प्रधानाचार्य जी-सी.ए.टी.सी. बमरौली, प्रयागराज-सूचनार्थ।
2. महाप्रबन्धक अभियांत्रिकी (विद्युत), क्षे.का.नि.(उ.क्षे.) भा.वि.प्रा.,प्रचालन कॉम्प्लेक्स, महिपालपुर,नई दिल्ली-110037-सूचनार्थ।
3. संयुक्त महाप्रबन्धक अभियांत्रिकी (विद्युत), क्षे.का.नि.(उ.क्षे.) भा.वि.प्रा.,प्रचालन कॉम्प्लेक्स, महिपालपुर,नई दिल्ली-110037-सूचनार्थ।
4. उप महाप्रबन्धक (अभि0-सिविल)-सी.ए.टी.सी. बमरौली, प्रयागराज-सूचनार्थ।
5. सहायक महाप्रबन्धक (वित्त एवं लेखा)-सी.ए.टी.सी. बमरौली, प्रयागराज-सूचनार्थ।
6. प्रभारी (मानव संसाधन)-सी.ए.टी.सी. बमरौली, प्रयागराज-सूचनार्थ।
7. वरिष्ठ प्रबन्धक (अभि0-विद्युत)-सी.ए.टी.सी. बमरौली, प्रयागराज-सूचनार्थ।
8. वरिष्ठ प्रबन्धक (राजभाषा)-सी.ए.टी.सी. बमरौली, प्रयागराज-सूचनार्थ।
9. सहायक प्रबन्धक (अभि0-विद्युत)-सी.ए.टी.सी. बमरौली, प्रयागराज-उचित कार्यवाही हेतु।
10. कार्य आदेश फाइल
11. कार्य की फाइल
12. अनुबंध प्रतिलिपि
13. राजभाषा गार्ड फाइल

Handwritten signature
18/12/2020

SCHEDULE OF QUANTITIES

Name of work : Operation and Annual Comprehensive Maintenance of HVAC System, Package Plants, Window / Split AC at CATC, Prayagraj. for 02 years.(Year 2020-21 & 2021-22)

Item No.	Description of Item	Unit	Qty.	Rate	Amount
1	Annual Comprehensive Maintenance of 03 Nos. (150 TR -02 Nos+120TR-01 Nos) capacity, central Air- Conditioning plant with chiller, boiler, Pumps, Cooling Tower etc. comprising of following.				
a	120/150TR water chilling unit complete with reciprocating/screw compressor with motor drive shell & tube condenser & chiller with mounting frame, control panel starter, safety control gauge panel, refrigerant piping, control wiring , chiller (insulated) and condenser piping , water flow switch, accessories, setting & safety devices, instruments, all types of valves, refrigerant gas, & oil and electrical panel in HVAC plant room, painting of the HVAC system once in 02 year etc. complete as required.- 3 Nos.				
b	Electric hot water boiler 200KW capacity with all accessories control panel starter, safety control, gauge, panel, inter connected piping with insulation & heaters etc. complete as required & installed -2 Nos.				
c	20 HP condenser water pump of vertical split casing type with motor starter, water flow switch, pressure gauges, thermometers, inter connecting piping, all types of valves & accessories, interconnecting piping complete as required. -5 Nos.				
d	15 HP chilled water pump monoblock type with motor starter, water flow switch, pressure gauges, thermometers , inter connecting piping, all types of valves & accessories complete as required - 5 Nos.				
e	250 TR cooling tower F.R.P. vertical, induced draft type complete with F.R.P. basin, F.R. body, ladder, drives motor, valves, interconnecting piping etc. complete as required - 3 Nos.				
f	Remote control panel for AHUs with indication lamps, ON & OFF push button, accessories, internal wiring etc. complete as required. - 01 Set				
	First Year	Month	12	14000.00	168000.00
	Second Year	Month	12	14000.00	168000.00
2	Annual Comprehensive maintenance of FCU of 1.0 TR to 2 TR capacity complete with three speed single phase motor, cooling coil, Aluminium fins, three speed switch, drain water tray, filter all types of control valves and accessories etc. as required - 110 Nos.				
	First Year	Month	12	1500.00	18000.00
	Second Year	Month	12	1500.00	18000.00
3	Annual Comprehensive maintenance of AHUs of capacity 3000 CFM to 12000 CFM complete with fan, fan motor, drive, shaft, shaft assembly, cooling coil, Airflow switch, filters, V Belts, all type of valves, strainers, motors, motor starters with safety devices, Indicating lamps, Voltmeters, Ammeter, pressure gauges, thermometers, main switch with HRC fuses, interconnecting piping with insulation, interconnecting wiring and accessories etc as required -11 nos.				
	First Year	Month	12	1000.00	12000.00
	Second Year	Month	12	1000.00	12000.00
4	Comprehensive annual maintenance and repair including attending preventive & breakdown maintenance of following window/split air conditioner along with their stabilizers of different make and capacities including, compressor, interconnecting wiring etc as required.				
	For First Year				
a)	1.5 TR Capacity window air conditioner	Nos.	19	800.00	15200.00
b)	2.0 TR Capacity window air conditioner	Nos.	5	1000.00	5000.00
c)	1.5 TR capacity split air conditioner	Nos.	45	800.00	36000.00
d)	2.0 TR capacity split air conditioner	Nos.	15	1000.00	15000.00
e)	2.5 TR capacity split air conditioner	Nos.	5	1500.00	7500.00
f)	3.0 TR capacity Split Air conditioner	Nos.	22	2000.00	44000.00
	For Second Year				
a)	1.5 TR Capacity window air conditioner	Nos.	19	800.00	15200.00
b)	2.0 TR Capacity window air conditioner	Nos.	5	1000.00	5000.00

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Item No.	Description of Item	Unit	Qty.	Rate	Amount
c)	1.5 TR capacity split air conditioner	Nos.	45	800.00	36000.00
d)	2.0 TR capacity split air conditioner	Nos.	15	1000.00	15000.00
e)	2.5 TR capacity split air conditioner	Nos.	5	1500.00	7500.00
f)	3.0 TR capacity Split Air conditioner	Nos.	22	2000.00	44000.00
5	Annual Comprehensive Maintenance of 04 Nos. each of 15TR (2 x 7.5 TR) capacity Air cooled package type AC Plant complete with semi sealed compressor, condenser with motor, starter controls, filter/blower section with motor and drive, V belts refrigerant/compressor coil, D X coil, refrigerant piping, and high and low pressure switch and thermostatic controls etc, pressure gauges, thermometers electrical panel, starters, fuses, instruments & accessories installed etc. complete as required. (Cafeteria Dining hall I & II)				
	First Year	Month	12	5000.00	60000.00
	Second Year	Month	12	5000.00	60000.00
6	Annual Comprehensive Maintenance of 06 Nos. each of 15TR (2 x 7.5 TR) capacity Air cooled package type AC Plant complete with semi sealed compressor, condenser with motor, starter controls, filter/blower section with motor and drive, V belts refrigerant/compressor coil, D X coil, refrigerant piping, and high and low pressure switch and thermostatic controls etc, pressure gauges, thermometers electrical panel, starters, fuses, instruments & accessories installed etc. complete as required. (AVS Building)				
	First Year	Month	12	7500.00	90000.00
	Second Year	Month	12	7500.00	90000.00
7	Operation & routine maintenance of 3 Nos. each of 120 & 150 TR air-conditioning plants complete with reciprocating/screw compressors, motors, chiller & condenser units with respective pumps & motors, 2nos 200KW boilers along with interconnected power & control panels, cooling towers, water softening plant & accessories etc. as per requirement on all working days from 8.30 AM to 6.00 PM (9.5 hrs.) excluding Saturdays, Sundays by deploying skilled & unskilled manpower etc as required.				
	First Year	Month	12	58500.00	702000.00
	Second Year	Month	12	58500.00	702000.00
8	Operation & routine / preventive maintenance of electrical hot water boiler / Solar Water Heating System along with Electrical Heater Backup Capacity of 200 LPD, 500 LPD & 1000 LPD for hostel including all connected systems & accessories on all weekdays in one shift including Saturdays, Sundays and holidays during winter season by deploying 01 skilled manpower etc as required.				
	First Year	Month	5	17500.00	87500.00
	Second Year	Month	5	17500.00	87500.00
9	Operation of 2 Nos each of 30TR capacities Double Skin type Air Handling Units installed at Auditorium basement made of GI casing and pre plasticized GSS with polyurethane foam insulation sandwiched between them , comprising of 4 row chilled water cooling coil with coil section having copper tubes with aluminium fins, Fan with fan section, Filter with filter section, Air Flow Switch etc. complete with motor and drive and as per specification enclosed on non office hours.	Hrs.	350	400.00	140000.00
10	Rate for extra hours of operation of Item No: 07	Hrs.	400	175.00	70000.00
11	Operation & routine maintenance of 4 Nos.15TR (2x7.5TR) Nominal Capacity Air Cooled packaged units installed at Cafeteria in Hostel (hall-1& 2) and attending complaints of Air-conditioners installed in CATC Prayagraj on all working days in two Shifts including Saturdays, Sundays & closed gazetted holidays by deploying skilled & unskilled manpower etc as required. (Cafeteria Dining hall I & II)				
	First Year	Month	8	34000.00	272000.00
	Second Year	Month	8	34000.00	272000.00
12	Operation & routine maintenance of 6 Nos. 15 TR (2x7.5 TR) Nominal Capacity Air Cooled Packaged units installed at AVS building and attending complaints of Air-conditioners installed in CATC Allahabad on all working days in 03 shifts including Saturdays, Sundays & holidays by deploying skilled & unskilled manpower etc as required. (AVS Building)				
	First Year	Month	12	48000.00	576000.00
	Second Year	Month	12	48000.00	576000.00

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Item No.	Description of Item	Unit	Qty.	Rate	Amount
13	Providing data entry operator for preparing of MIS report , progress report of works etc on all week days excluding Saturdays, Sundays in one shift etc as required.				
	First Year	Month	12	17000.00	204000.00
	Second Year	Month	12	17000.00	204000.00
14	Operation of different type and size of VRV based Air-conditioning system installed at different locations of Institute building as per requirement on all working days excluding Saturdays, Sundays by deploying 01 skilled manpower etc as required.				
	First Year	Month	12	17000.00	204000.00
	Second Year	Month	12	17000.00	204000.00
15	Operation of different type and size of VRV based Air-conditioning system installed at different locations of Hostel (01 to 09) building as per requirement on all working days including Saturdays, Sundays & holidays by deploying 01 skilled Operator as required.				
	First Year	Month	12	18000.00	216000.00
	Second Year	Month	12	18000.00	216000.00
16	Replacement of defective spares / parts of refrigerator of different capacity installed at different location at CATC, Bamrauli, Prayagraj by providing defective spares/parts & skilled /unskilled manpowers as per specifications and requirement.				
a)	Compressor				
i	80 Liter to 170 Liter.	Each	10	3000.00	30000.00
ii	250 Liter./300 Liter	Each	6	3200.00	19200.00
b)	Thermostat				
i	80-300 Liter.	Each	20	500.00	10000.00
c)	Gas Charging				
i	Upto 300 Liter.	Each	20	1800.00	36000.00
d)	Overload Relay for refrigerator	Each	5	300.00	1500.00
17	Removing and transportation to store room of following rating/type Air Conditioners at CATC Prayagraj including drain piping refrigerant piping etc as per requirement .				
a)	1.5/2.0 TR window type AC	Each	20	350.00	7000.00
b)	1.5/2.0 TR split type AC	Each	20	400.00	8000.00
c)	2.5/3.0 TR split type AC	Each	20	400.00	8000.00
18	Re-installation of following rating/type Air Conditioners at CATC Prayagraj including drain piping, gas charging but excluding refrigerant piping etc as per requirement .				
a)	1.5/2.0 TR window type AC	Each	20	400.00	8000.00
b)	1.5/2.0 TR split type AC	Each	20	500.00	10000.00
c)	2.5/3.0 TR split type AC	Each	20	500.00	10000.00
19	Piping charges for 1.5 to 3 TR ACs, job includes supply & fixing of suitable size copper tube piping, insulation, drainage pipe, inter connection of power supply/control cable between indoor and outdoor unit cable etc. as required. (Upto 7 meter length)	Job	50	350.00	17500.00
20	Supply of Halogen type room heater with 03 position (400w, 800w, 1200w) and 3 no. halogen rod, 230 v, 50 HZ (Equivalent to USHA make model no. HH 3503H)	Each	20	2500.00	50000.00
21	Servicing of Refrigerator (80 to 300 Ltr.)	Job	20	100.00	2000.00
22	Execution of misc. items on requirement basis covered under CPWD Schedule of Rates (E&M) 2018 (Only Plumbing, Ducting & AHU) (GST will be derived & reimbursed) (If agency wants to quote same rate put 1, for 10% above put 1.1 or 10% below put 0.9)	Job	200000	0.80	160000.00

Total 60,51,600.00

Total Say (₹) 60,51,600.00

(Rupees Sixty Lakh Fifty One Thousand Six Hundred only)

M.C. Upadhyay
10/12/2020
(M.C. Upadhyay)
D.G.M.(EE)
AAI CATC Prayagraj