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आज़ादी का
अमृत महोत्सव

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संदर्भ सं.: भा.वि.प्रा./सीबीआईए/इंजि.वि-वि/(वीआरएफ एसी की एसआईटीसी /2023-24/
Ref. No: AAI/CBIA/ENGG(E-E)/SITC OF VRF AC/2023-24

दि: 23.08.2023
Date: 23.08.2023

To

BY SPEED POST

एम/एस। श्री भवानी इंटरप्राइजेज / M/s. Sri Bhavani Enterprises,
195ए, कामराजार स्ट्रीट / 195 A, Kamarajar Street,
गांधी नगर, नीलांगराय / Gandhi Nagar, Neelangarai,
चेन्नई / 600115 - Chennai - 600115.

Mail Id: bhavanienterprises@yahoo.com

कार्य का नाम : कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे पर एटीसी प्रशिक्षण कक्ष के लिए
वीआरएफ

प्रणाली का एसआईटीसी

Name of Work : SITC of VRF system for ATC training room at Coimbatore
International Airport

संदर्भ / Ref : निविदा आईडी/Tender ID - 2023_AAI_161433_1

प्रिय महोदय / Dear Sir,

- उपर्युक्त कार्य के लिए आपका निविदा, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा की गई मदद दरों कुल रु 10,52,726.00 (रुपये दस लाख बावन हजार सात सौ छब्बीस मात्र प्लस जी एस टी) पर स्वीकार किया जाता है जो कि न्यायोचित लागत रु 11,01,890.00 से 4.46% कम है।

Your E-tender for the work mentioned above is hereby accepted by the competent authority on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs. 10,52,726.00 (Rupees Ten Lakhs Fifty Two Thousand Seven hundred and Twenty Six only) plus applicable GST which is 4.46% below the justified cost of Rs. 11,01,890.00.

- संयुक्त महा प्रबंधक) इ-वि, भा. वि. प्रा, कोयंबतूर अंतरराष्ट्रीय हवाई अड्डा इस काम के अभियंता प्रभारी होंगे। आपसे अनुरोध है कि आप उन की कार्यालय में 01.09.2023 तक उपस्थित हों कर समझौते पर हस्ताक्षर करना है। अनुबंध समझौते को रु 100.00 (रुपए केवल सौ) के मूल्य के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की कीमत आपके द्वारा वहन की जाएगी।

Jt. Gen. Manager (Engg-Elect), AAI, Coimbatore International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Jt. Gen. Manager (Engg-Elect), AAI, Coimbatore Airport by 01.09.2023 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs. 100.00 (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.

K. Served



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3. इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर रू 1,05,273.00 (केवल एक लाख पांच हजार दो सौ तिहत्तर रुपये (सिक्योरिटी डिपॉजिट के रूप में कृपया जमा करें जिसे विफल करते हुए, आपके चल रहे बिलों में उस को घटा दिया जाएगा।

Please deposit Rs. 1,05,273.00 (Rupees One lakh Five thousand Two hundred and Seventy Three only) as 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. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 और न्यूनतम मजदूरी अधिनियम और केंद्र और राज्य सरकार के नियमों के प्रावधानों का पालन करें।

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 Government.

5. आपको सहायक महा प्रबंधक (इ-वि, भा.वि.प्रा, कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे से तुरंत संपर्क करने का भी निर्देश दिया जाता है, जो आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact Asst. Gen. Manager (Engg.-Elect) AAI, Coimbatore International Airport immediately who will arrange to handover the site to you.

6. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमत समय 03 महीने होगा जिसकी गणना इस पत्र के जारी होने के 10 वें दिन से की जाएगी।

Please note that the time allowed for carrying out the work shall be 03 months which shall be reckoned from the 10th day after issue of this letter.

7. सभी अनुबंध के संबंध में अन्य पत्राचार के लिए संयुक्त महा प्रबंधक (इ-वि, भा.वि.प्रा कोयंबतूर अंतरराष्ट्रीय हवाई अड्डा का संबोधन करें।

Any further correspondence in connection with the contract should normally be addressed to the Jt. Gen. Manager (Engg.-Elect), AAI, Coimbatore International Airport.

8. आपसे जीएसटी अधिनियम के अनुसार वैध जीएसटी चालान जमा करने का अनुरोध किया जाता है जिसमें जीएसटीआईएन का उल्लेख करते हुए, जीएसटी दरों को लागू करने और भा.वि.प्रा, कोयंबतूर कोयंबतूर अंतरराष्ट्रीय हवाई अड्डा जीएसटी संख्या 33AAACA6412D1ZF का उल्लेख करने वाले बिलों को संसाधित करने पर इनपुट टैक्स क्रेडिट विवरण का संकेत मिलता है।

You are requested to submit the valid GST invoice as per GST act mentioning the GSTIN, indicating the GST rates applicable and input tax credit details if any for processing the bills mentioning the AAI Coimbatore Airport's GST No. 33AAACA6412D1ZF.

K. D. K. K.



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9. कृपया रसीद स्वीकार करें और इसके साथ संलग्न पत्र की डुप्लिकेट प्रति हस्ताक्षर करने के बाद स्वीकृति के प्रतीक के रूप में अधोहस्ताक्षरी को लौटा दें।।

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.

K. Devadas
23/8/2023

(के. देवदास)/ (K. Devadas)

संयुक्त महा प्रबंधक (इ-वि),

Jt. Gen. Manager (Engg-Elect),

भा.वि.प्रा, कोयंबतूर अंतरराष्ट्रीय हवाई अड्डा,

AAI, Coimbatore International Airport.

अनुलग्नक/Encl:

1. अनुसूची/ Schedule 'A'.
2. सुरक्षा कार्यक्रम /Security Programme



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Details regarding TAEP/AEP Provisional Security Clearance/Security clearance & Security Programme:-

All security guidelines shall be applicable. Necessary security clearance shall be obtained by the Licensee for obtaining AEP for their staff.

Bureau of Civil Aviation Security (BCAS), Chennai, has advised the following guidelines to be followed while applying for AEPs:-

- a. The Temporary Aerodrome Entry Permit (TAEP) initially for a period of 30 days will be issued by Airport Director, Airports Authority of India (AAI)/Coimbatore Airport, following the due procedures, to commence business inside the Airport.
- b. Immediately thereafter, formalities to comply with the instructions of BCAS i.e. obtaining Provisional Security Clearance/ Security Clearance through E-Sahaj Portal and submission of Security Programme, are to be strictly adhered to. Necessary assistance/ guidelines, if required may be obtained from the Airport Operator/ BCAS in this regard. The above are mandatory requirements for continuing business in the Airport premises.
- c. The entities who have already obtained Security Clearance for their operations in other region(s), should intimate RO, BCAS, Chennai accordingly duly enclosing
 1. Intimation Letter regarding establishing their business in Coimbatore Airport.
 2. Security Clearance issued by BCAS, HQ.
 3. Provisional Security Clearance (s) issued by the RO, BCAS of other Region(s).
 4. Written Contract Agreement.
 5. Authorized signatory for Coimbatore Airport.
 6. Security Programme for Coimbatore Airport.
- d. Failure to comply with any of the instructions will entail suspension or withdrawal of TAEP/AEP issued.
- e. The above points are not exhaustive and the updation/ addition/ omission if any will be appraised from time to time.

K. Ravichandran
23/01/2023

संयुक्त महा प्रबंधक (इ-वि),
Jt. Gen. Manager (Engg-Elect),
भा.वि.प्रा, कोयंबतूर अंतरराष्ट्रीय हवाई अड्डा,
AAI, Coimbatore International Airport.

AIRPORTS AUTHORITY OF INDIA
Coimbatore International Airport

SCHEDULE OF QUANTITIES

Name of work : SITC of VRF system for ATC training room at Coimbatore International Airport

Sl.No	Description	Qty	Unit	Rate	AMOUNT
1.00	SH: I SUPPLY				
1.10	VRF OUTDOOR UNITS : Supply of Side discharge type VRF outdoor unit of Single module/ Multiple Module based on the specification with Air cooled condensing unit consisting of multi hermetically sealed scroll / Rotary compressors of inverter/digital scroll type with copper tube/aluminium fin condenser coil, variable speed condenser fan/s, initial charge of oil Non Ozone Depleting refrigerant (R-410A) .The ODU should be able to serve a farthest distance of 500m and a height of upto 50m. The system shall be provisioned such that, even if the power supply to any Indoor unit is cut-off, the rest of the system shall be able to continue to function normally.The Cost should consider internal refrigerant piping, expansion valve (if any), drier, sight glass, electrical panel with controls duly wired, starters, high-low pressure cutout, capacity control arrangements,etc. For the VRF SYSTEM (COP shall be more than 3.1 at AHRI-1230 condition of 35 deg C air over condenser coil). The unit shall be suitable for 415±10% volts, 3 Phase, 50Hz, 4 wire electrical power supply. The unit shall be supplied with microprocessor control panel to operate with remote monitoring / control. The unit has to be compatible for any third party BMS. The cost shall include First time Gas Charging for all the above units as per there CU Piping length and the Indoor unit capacity (With R410-A Gas) for both VRV based and DX based units . ODU shall be compatible for bacnet connection with RS 485 port				
1.11	22 HP	1.00	Nos	368280.00	3,68,280.00
2.00	Supply of VRV BASED HI WALL indoor unit complete with cooling coil, washable type filter, multispeed fan motor, electronic expansion valve, drain pump arrangement with necessary supporting arrangement, controls, decorative panel all complete as required. The blower shall be dynamically balanced and designed for silent operation. The cost shall include cordless remote . Actual cooling capacity at designed operating conditions.Unit shall be supplied with 1.5 rmt power cabling with 3 pin plug.				
2.10	Hi Wall Unit-1.59TR	7.00	Nos	21168.00	1,48,176.00
2.20	Hi Wall Unit-1.28TR	4.00	Nos	21060.00	84,240.00
2.30	Hi Wall Unit-2.03TR	1.00	Nos	25380.00	25,380.00
3.00	Supply of necessary Refnet joints as per drawing for the Refrigerant pipes connecting/Branching between Outdoor and Indoor unit.	11.00	set	4000.00	44,000.00
4.00	INSTALLATION				
4.10	Installation, testing & commissioning of Side discharge type VRF outdoor unit mentioned in Item No. 1 complete as required.	1.00	Nos	22000.00	22,000.00
5.00	Installation, testing & commissioning of VRV BASED HI WALL indoor unit as mentioned in Item No. 2 complete as required.	12.00	Nos	2000.00	24,000.00
6.00	Fixing of necessary Refnet joints as per drawing for the Refrigerant pipes connecting/Branching between Outdoor and Indoor unit.	12.00	Set	350.00	4,200.00
7.00	Supply, installation, testing and commissioning of Soft/Hard drawn 18G copper refrigerant pipes to the unit connection with necessary fittings, extension kit and associated accessories. Refrigerant pipes shall be clamped to the with necessary protection Copper refrigerant pipes shall be insulated with 19 mm thick closed cell elastomeric tubular insulation material based on size as mentioned below. The insulation shall be wrapped with black color glass cloth.				

K. D. Patel

Sl.No	Description	Qty	Unit	Rate	AMOUNT
7.10	28.2 mm	40.00	Rmt	1150.00	46,000.00
7.20	22.2 mm	25.00	Rmt	1050.00	26,250.00
7.30	19.1 mm	25.00	Rmt	950.00	23,750.00
7.40	15.9 mm	40.00	Rmt	750.00	30,000.00
7.50	12.7 mm	35.00	Rmt	600.00	21,000.00
7.60	9.5 mm	35.00	Rmt	500.00	17,500.00
7.70	6.4mm	35.00	Rmt	400.00	14,000.00
8.00	Supply & Installation of PVC pipe with 6mm nitrile rubber insulation along with U trap wherever required for Drain pipe. Drain insulation shall be wrapped with black color glass cloth.				
8.10	40mm	20.00	Rmt	300.00	6,000.00
8.20	25mm	60.00	Rmt	200.00	12,000.00
9.00	Supply and laying of 2C x 1.5 Sqmm flexible sheilded copper cables with 19mm PVC conduit with black paint for communication between VRF ODU & IDU.	220.00	Rmt	210.00	46,200.00
10.00	Supply and Topping up of Refrigerant Gas R32/R410A.	10.00	kg	1050.00	10,500.00
11.00	Wiring for circuit/ submain/power plug wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed 25x12mm uPVC mini trunking as required. - 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	100.00	Meter	210.00	21,000.00
12.00	Supplying and fixing suitable size Modular PVC boxes with modular plate and cover in front on surface or in recess, including providing and fixing 6/16 amps modular 2 module shuttered socket outlet and 16 amps SP one module mini MCB, C series connection etc. as required.	15.00	Each	350.00	5,250.00
13.00	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray cable tray with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders/supported from wall/floor with suitable means or pedestal including G.I. bolts & nuts, etc as required. - 225 mm width X 50 mm depth X 1.6 mm thickness	50.00	Rmt	950.00	47,500.00
14.00	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	1.00	Cum	5500.00	5,500.00
				Grand Total (Rs.)	10,52,726.00

(Rupees Ten Lakhs Fifty Two Thousand Seven Hundred and Twenty Six only) Plus applicable GST.

K. Devad
28/8/2022
Jt.Gen.Manager (E-E)
AAI, Coimbatore Airport



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मूल पर नहीं / N.O.O

Copy to:

1. महाप्रबंधक (ई) / दक्षिण क्षेत्र, भा.वि.प्रा., प्रशासनिक भवन, चेन्नई हवाई अड्डे, चेन्नई-27। मेल आईडी: gmenggrhqsar@aai.aero।
GM (Engg)/SR, AAI, Administrative Building, Chennai Airport, Chennai-27. Mail id: gmenggrhqsar@aai.aero.
2. एमआईएस इ-वि / (दक्षिणी क्षेत्र, भारतीय विमानपत्तन प्राधिकरण, प्रशासनिक भवन, चेन्नई हवाई अड्डे, चेन्नई-27।
MIS (Engg. -Elect.)/SR, AAI, Administrative Building, Chennai Airport, Chennai-27. Mail id: miseesr@aai.aero.

आंतरिक | Internal:

1. हवाई अड्डे के निदेशक। भा.वि.प्रा., कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे। | The Airport Director. AAI, Coimbatore International Airport. By E-mail: apdcoimbatore@aai.aero
2. उप महा प्रबंधक (वित्त) - भा.वि.प्रा., कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे। DGM (Finance) -AAI, Coimbatore International Airport. By E-mail: rhayagrivan@aai.aero.
3. सहायक महा प्रबंधक (इ- ई), भा.वि.प्रा., कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे। AGM (Engg-E), Coimbatore International Airport by E-mail: sysenthil@aai.aero.
4. प्रबंधक (इंजी-ई), भा.वि.प्रा., कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे। Manager (Engg-E), AAI, Coimbatore International Airport. By E-mail: eben@aai.aero
5. सीएसओ, भा.वि.प्रा., कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे। CSO, AAI, Coimbatore International Airport. By E-mail: cso-cbe@AAI.AERO

K. Devadas
23/8/2023

(के. देवदास)/ (K. Devadas)
संयुक्त महा प्रबंधक (इ-वि),
Jt. Gen. Manager (Engg-Elect),
भा.वि.प्रा., कोयंबतूर अंतरराष्ट्रीय हवाई अड्डे,
AAI, Coimbatore International Airport.