

04.02.2021

संदर्भ संख्या / Ref. No.: भाविप्रा/पुणे/अभि(वि)/VRV /सी डब्लू-05/2021/ 289 दिनांक /Date :

सेवा में,
मैसर्स एयर-ओ-मेक इंजीनियर्स,
ए / 4 / 2, सुर्जित सिंह कम्पाउण्ड,
छत्रपती शिवाजी महाराज रोड,
शिवाजी नगर, वकोला, सांताक्रूज(ई),
मुंबई - 400 055.

To,
M/s. Air-O-Mec Engineers,
A/4/ 2, Surjit Singh Compound,
Chatrapati Shivaji Maharaj Road,
Shivaji Nagar, Vakola, Santacruz (E),
Mumbai - 400 055.
Mail: airmec_correia@yahoo.com

AWARD LETTER

कार्य का नाम : पुणे हवाई अड्डे पर वीआरएफ/ वीआरवी/ स्प्लीट एसी यूनिट्स का प्रावधान
/प्रतिस्थापन एयर कंडीशनिंग सिस्टम को मजबूत करने हेतु।
Name of Work : Provision/Replacement of VRF/VRV/SPLIT AC units for
strengthening of Air-Conditioning system at Pune Airport.

संदर्भ: आपका टेंडरआयडी नं. 2020_AAI_65245_1 दिनांक 11.01.2021 को खोला
गया।

Your tender ID No: 2020_AAI_65245_1 Opened on 11.01.2021

महोदय/ Dear Sir,

- ऊपर उल्लेखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गए मद मूल्यों पर आपकी टेंडर राशि कुल **₹.31,72,960.00** (Excluding GST) (इकतीस लाख बहतर हजार नौ सौ साठ रुपये मात्र) है जो कि टेंडर की अनुमानित लागत राशि रु. 30,72,358.00 (Excluding GST) से 3.27 % ऊपर है।
1. 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 totaling to **Rs 31,72,960.00** (Excluding GST) (Rupees Thirty One Lacs Seventy Two Thousand Nine Hundred & Sixty Only) which is 3.27 % above the Estimated Cost put to tender of Rs. 30,72,358.00 (Excluding GST).
2. संयुक्त महाप्रबंधक, अभि (विद्युत), भाविप्रा पुणे विमानक्षेत्र कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप आपकी ओर से एक विश्वसनीय प्रतिनिधि नियुक्ति करें जो करार नामे पर हस्ताक्षर करने के लिए अधिकृत हो।

तथा वह दिनांक **15.02.2021** तक संयुक्त महाप्रबंधक, अभि(विद्युत), पुणे एयरपोर्ट के कार्यालय में उपस्थित हो तथा करार नामे को पूरा करें। ठेके का करार नामा रु. **100/-** नानज्यूडिसियल स्टम्प पेपर पर निष्पादित किया जाएगा तथा पेपर का खर्च आपके द्वारा उठाया जायगा।

2. Jt.G.M. (Engg-E), AAI, Pune Airport shall be the Engineer-In-Charge of the work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf, to attend the office of the Jt.G.M. (Engg-E), AAI, Pune Airport by **15.02.2021** to sign and complete the 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.

3. आपके टेंडर के साथ प्राप्त धरोदर राशि **61,447.00** (रुपये इकसठ हजार चार सौ सैतालिस रुपये मात्र) ठेके के दस्तावेज के सामान्य शर्तों के अंतर्गत पृष्ठ संख्या GCC-16 पर शर्त न. 1A के अनुसार जमानत राशि में परिवर्तित कर दी गई है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशि की बकाया रु.**2,55,849.00** (रुपये दो लाख पचपन हजार आठ सौ उनचास मात्र) अदा की जाए अन्यथा निविदा दस्तावेज के कंडीशन 1A पेज संख्या GCC-16 के अनुसार उक्त राशि रनिंग बिल से कटौती की जाएगी।

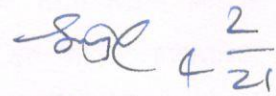
3. The earnest money amount of **61,447.00** (Rupees Sixty One Thousand Four Hundred Fourty Seven Only) received along with your tender will be treated and converted as part of security deposit as per clause 1A on page no. GCC-16 of tender document. Please deposit **2,55,849.00** (Rupees Two Lacs Fifty Five Thousand Eight Hundred Fourty Nine only) towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your running bill as per condition 1A on page no.GCC-16 of the contract document.

4. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केंद्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधान का अनुपालन करें।
4. You are requested to comply with the provisions of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation & abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.
5. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (अभि-विद्युत), भाविप्रा, पुणे विमानक्षेत्र से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे।
5. You are also directed to Contact AGM (Engg-E), AAI, Pune Airport, immediately who will arrange to hand over the site to you.

6. कृपया नोट कर लें कि काम पूर्ण करने का अवधि चार (04) माह है जोकि दिनांक 15.02.2021 से 14.06.2021 तक गिना जायगा | एआयसीएमसी तीन (03) साल के लिए, डीफेक्ट लाईबिलिटी पीरियड के एक वर्ष के बाद रहेगा। एसआईटीसी कार्य के लिए भुगतान काम 100% पूरा होने के बाद किया जाएगा। और एआईसीएमसी के लिए तिमाही भुगतान किया जाएगा।
 6. Please note that the time allowed for carrying out the work is Four (04) months, which shall be reckoned from the date 15.02.2021 to 14.06.2021 .AICMC:3 Years after one year DLP defects liability period. Payment for SITC work shall be 100% after satisfactory Completion of Work And Quarterly payment for AICMC work.
 7. डी.एल.पी.: डीफेक्ट लाईबिलिटी पीरियड नई मशीनों के एसआईटीसी कार्यों के लिए अवधि 1 महीने है और एआईसीएमसी का काम पूरा होने की प्रमाणित तिथि से 6 महीने है। तथापि कंप्रेसर गारंटी 5 (पांच) साल OEM द्वारा दिया जाना है।
 7. DLP : Defect Liability period for SITC works of new machines is 12 months and AICMC work is 6 months from the certified date of completion. However Compressor Guarantee 5 (Five) Years to be given by OEM.
 8. इस ठेके के संबंध में आगे का कोई भी पत्राचार सहायक महाप्रबंधक (अभि-विद्युत), भाविप्रा, पुणे विमानक्षेत्र के पते पर किया जाए |
 8. Any further correspondence in connection with the contract should normally be addressed to the Asst. Gen. Manager (Engg-E), AAI, Pune Airport.
 9. आपको तुरंत एजीएम (अभि-विद्युत), भाविप्रा, पुणे विमानक्षेत्र से संपर्क करने के लिए निर्देशित किया जाता है जो आपको साइट हाथ में सौंपने की व्यवस्था करेंगे।
 9. You are also directed to contact (Engg-E), AAI, Pune Airport immediately who Will arrange to hand over the site you.
 10. कृपया पावती भेजें।
 10. Please acknowledge the receipt.
- यदि अंग्रेजी और हिन्दी पाठ में कोई अंतर पाया जाता है तो अंग्रेजी विवरण सही माना जाएगा।
If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.

धन्यवाद / Thanking You,

भवदीय / Yours faithfully,



सं.म.प्र. (अभि-विद्युत)/Jt.G.M. (Engg-E),

कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण,

For and on behalf of Chairman, Airports Authority of India.

संलग्न/Encl: Schedule of Quantity



AIRPORT AUTHORITY OF INDIA
PUNE AIRPORT, PUNE-411032.
Electrical Department
SCHEDULE OF QUANTITIES

Annexure-A

Name of Work: Provision/Replacement of VRF/VRV/SPLIT AC units for strengthening of Air-Conditioning system at Pune Airport.

Sr. No.	Item Description	Qty.	Units	BASIC RATE (Excluding GST)	TOTAL AMOUNT (Excluding GST)
1	SH-I: Supply of Air-Conditioning Unit				
1.01	Supply of modular type VRV/VRF air-cooled eco-friendly 16 HP ODU suitable for cooling, having all hermetically sealed inverter type minimum two Scroll Compressors with BLDC motor, microprocessor based Controller, top discharge type condensing unit, low noise condenser fan, vibration isolators, suitable foundation, stand etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 415V+/-10%, 3Phase, 50Hz AC power supply. The unit shall be filled with first charge of R410a refrigerant and ready for use as required. The IEER at AHRI shall not be less than 6.5.A/C units shall be of approved make as required.	6	Each	238370.00	1,430,220.00
1.02	Supply of 4.0 TR 4-way flow VRV/VRF Cassette Type ceiling mounted IDU equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed BLDC motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain water lift-up mechanism, drain pan, insulation, fresh air intake, grill, necessary supports, vibration isolation, cordless remote control etc., suitable for operation on 1-phase 240V±10%, 50Hz AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from Building Management System. The cooling capacity of IDU will be at air inlet conditions of 27 Degree C Dry-Bulb and 19 Degree C Wet-Bulb temperature. IDU shall be controlled individually for temperature and air flow.A/C units shall be of approved make as required.	18	Each	24920.00	448,560.00
1.03	Supply of 1.5 TR , 5-Star rated, high wall inverter type split Air-Conditioning unit (IDU and ODU) with washable filter, cooling coil connected to condensing units, wireless remote controler for temparature adjustment, IDU blower speed, swing adjustment, auto restart facility, sleep mode, turbo mode, LED display for temperature, stands for ODU, R410a/R32 charged etc. including standard length of properly insulated copper refrigerant pipe, drain pipe, copper cable between IDU and ODU as per OEM standard.A/C units shall be of approved make as required.	2	Each	31320.00	62,640.00
				SH-I Total	1,941,420.00
2	SH-II: Installation, testing, commissioning of AC units and dismantling of old AC				
2.01	Installation of 16HP ODU with proper civil foundation, structural stands, vibration isolator etc. and 3 nos. 4-TR 4-way cassette type IDUs with all fixing arrangemnt, accessories like suspender, clamp, nuts, bolts etc. in the existing building/structure including all necessary civil works like making suitable careful opening of existing false ceiling, refixing it, lifting, shifting arrangement with scaffolding/ladder etc. as per the site requirement and making all damages good to the original finish up to the satisfaction of Engineer-In-Charge.	6	Job	18000.00	108,000.00

Sr. No.	Item Description	Qty.	Units	BASIC RATE (Excluding GST)	TOTAL AMOUNT (Excluding GST)
2.02	Supply Installation testing commissioning of 0.7-1.0mm thick hard drawn copper refrigerant pipe of suitable dia as per OEM standard between ODU and IDUs of VRV/VRF system complete with fittings, suitable supports with ceiling/wall including necessary civil works like making hole in wall as required at site and making good all damages, jointing/brazing, Y-joint including all accessories, insulated with 19mm thick for suction and 13mm thick for liquid line Class-O closed cell elastometric nitrile rubber tubular insulation sleeves finished with polyshield coating. Copper piping outside the building shall be protected from weather by suitable cover.	180	Mtr	1050.00	189,000.00
2.03	Supply, installation, testing and commissioning of suitable size hard CPVC plumbing grade drain pipe complete with 9mm thick nitrile rubber tubular insulation, sloping, Tees, elbows, clamps, fittings, supports, drilling holes etc.	150	Mtr	170.00	25,500.00
2.04	Supply laying PVC insulated of 3C x 1.5 sq.mm copper conductor flexible cable in 25 mm steel conduits between ODU and IDU including end termination.	180	Mtr	175.00	31,500.00
2.05	Supply and First charge of R 410a gas including vaccumiazation, Nitrogen testing and commissioning of 16HP VRV/VRF system including ancillary materials complete as required.	6	Job	10000.00	60,000.00
2.06	Installation testing and Commissioning of 1.5 TR high wall inverter type Split AC Unit including making of necessary hole on concrete wall and making good the damages.	2	Job	2500.00	5,000.00
2.07	Supplying and fixing 4 way (4 + 12), Double door horizontal type sheet steel TPN MCB distribution board , 415 V, on surface/ recess, outdoor type complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted along with suitable weather proof arrangement like rain guard etc. including providing and fixing of 01 no. 125A FP 25kA MCCB (Thermal Magnetic release with adjustable O/L, S/C protection, Ics=100%Icu) with rotary magnetic handle, terminal spreaders, 04 nos. 32 A rating, 415 V, 15 kA, "C"-curve 4-pole MCB complete with connections, earthing, testing and commissioning etc. as required.	1	Each	25000.00	25,000.00
2.08	Supply Laying and fixing of PVC insulated and PVC sheathed / XLPE aluminium conductor 4Cx50 sqmm. armoured power cable of 1.1 KV grade on wall surface clamped with 25x3mm MS flat clamp / in existing trench/duct/cable tray as per site requirement.	100	Mtr	400.00	40,000.00
2.09	Supplying and making end termination with compression brass gland and aluminium lugs for 4 X 50 sq. mm (35mm) PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	2	Each	500.00	1,000.00
2.10	Supply Laying and fixing of PVC insulated and PVC sheathed / XLPE copper conductor 4Cx4 sqmm. armoured power cable of 1.1 KV grade on wall surface clamped with 1mm thick saddle/ in existing trench/duct/cable tray as per site requirement.	120	Mtr	275.00	33,000.00
2.11	Wiring for power plug with 2 x 4 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit alongwith 1 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	20	Mtr	250.00	5,000.00
2.12	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet , with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB , in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	2	Each	1800.00	3,600.00
2.13	Dismantling, removal of existing VRV/VRF system consisting of 18HP ODU, 3 nos. 4-way cassette type IDUs including interconnecting copper refrigerant pipes by arranging ladder, scaffolding etc. and shifting to AAI store.	2	Job	5000.00	10,000.00
				SH-II Total	536,600.00

Sr. No.	Item Description	Qty.	Units	BASIC RATE (Excluding GST)	TOTAL AMOUNT (Excluding GST)
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Buy back of old Blue star VRF					
2.14	Buy back of old Blue star VRF 2 Outdoor and 06 indoor units with existing accessories like remote,copper pipes,cable drain etc. as required.	1	Job	-50000.00	-(50,000.00)
Total SITC Cost After Discount for Old VRF Unit					2,428,020.00

3	SH-III: AICMC after DLP				
	All Inclusive Annual Comprehensive Maintenance of following AC system after completion of Defect Liability period through OEM/OEM's authorised dealer including unlimited breakdown visit, attending complaint along with repairing/replacement of unserviceable parts like compressor including gas charging, consumables etc. as required, quarterly visit for preventive maintenance. 16HP VRV/VRF,with 01 ODU and 03 nos. 4TR 4-way cassette IDU				
3.01	i. 1st year	6	Each/yea	37350.00	224,100.00
3.02	ii. 2nd year	6	Each/yea	40400.00	242,400.00
3.03	iii. 3rd year	6	Each/yea	43700.00	262,200.00
	All Inclusive Annual Comprehensive Maintenance of following AC system after completion of Defect Liability period through OEM/OEM's authorised dealer including unlimited breakdown visit, attending complaint along with repairing/replacement of unserviceable parts like compressor including gas charging, consumables etc. as required, quarterly visit for preventive maintenance. 1.5Ton inverter type split AC unit with ODUand IDU				
3.04	i. 1st year	2	Each/yea	2500.00	5,000.00
3.05	ii. 2nd year	2	Each/yea	2700.00	5,400.00
3.06	iii. 3rd year	2	Each/yea	2920.00	5,840.00
Total of AICMC					744,940.00

Grand Total (SITC+AICMC) Cost	3,172,960.00
GST Extra as Applicable	

2022/06/22

संयुक्त महाप्रबंधक (अग्नि-विद्युत)/JGM (Engg.-Elect.)
वाविप्रा, पुणे एयरपोर्ट / AAI, Pune Airport

Signature Not Verified

Digitally signed by TANA II
CHANDRAKANT KAMBLE
Date: 2022.06.22 11:05:50 IST
Location: eProcurement System for Central
PSUs