



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ सं. भाविप्रा/प.क्षे/वडो/अभि.-विद्युत/AC/डब्ल्यू-21/2025-26 /474
Ref. No.: AAI/WR/VADO/E-E/AC/W-21/2025-26

दिनांक : 09.03.26
DATE : 09.03.26

By Speed Post / E-mail

सेवा में,
मेसर्स ऐरोन कार्पोरेशन,
रोड'स खाँचा कोर्नर,
राजमहल रोड,
वडोदरा -390001

To,
M/s. Airon Corporation,
Rhode's Khancha Corner,
Rajmahal Road,
Vadodara - 390001

कार्य का नाम : वडोदरा हवाई अड्डे पर नए सीसीआर कक्ष और एटीसी सबस्टेशन में वातानुकूलन की व्यवस्था करना,
जिसमें एयरोब्रिज सुरंगों में वातानुकूलन की व्यवस्था और अन्य सहायक कार्य शामिल हैं।

Name of Work: Provision of air conditioning in new CCR room and ATC substation including air conditioning in aerobridge tunnels and other ancillary work at Vadodara Airport.

संदर्भ : 1) दिनांक : 05.03.26 को खोली गई निविदा आईडी : 2026_AAI_262135_1

महोदय,

- कृपया उपरोक्त CPP बोली क्रमांक से संबंधित आपके टेंडर का अवलोकन करें।
1. Kindly refer your tender submission i.r.o above CPP Bid Number.
- उल्लिखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है। आपके द्वारा बताए आइटम मूल्यों पर आपका टेंडर कुल ₹. 1,56,02,121/- (रुपये एक करोड़ छप्पन लाख दो हजार एक सौ इक्कीस मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी न्योचित राशि ₹. 1,69,13,905/- (जी.एस.टी रहित) से 7.76 % कम है। भारतीय विमानपत्तन प्राधिकरण का गुजरात राज्य के लिए GST संख्या : 24AAACA6412D1ZE है।
2. 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. 1,56,02,121/- (Rupees One Crore Fifty Six lakh Two thousand One Hundred Twenty One only) (Excluding GST), which is 7.76 % below than the Justified cost of Rs. 1,69,13,905 (Excluding GST). The GST No.of Airports Authority of India for Gujarat state is 24AAACA6412D1ZE.
- संयुक्त महाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने तथा उसे पूरा करने के लिए दिनांक 15.03.26 तक संयुक्त महाप्रबंधक (अभि-विधुत) भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹ 300/- के नॉनजुड़ीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।
3. संयुक्त महाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने तथा उसे पूरा करने के लिए दिनांक 15.03.26 तक संयुक्त महाप्रबंधक (अभि-विधुत) भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹ 300/- के नॉनजुड़ीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।

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3. Jt.Gen.Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Jt.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara by **15.03.26** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value ₹ 300/- and the cost of the stamp paper shall be borne by you.
4. कृपया इस पत्र के जारी होने के 15 दिनों के भीतर निविदा की सामान्य शर्तों पृष्ठ संख्या GCC-131 के Schedule -E, para (iii) के अनुसार सिक्योरिटी डिपॉजिट के लिए राशि ₹ **15,60,212/-** (रुपये पन्द्रह लाख साठ हजार दो सौ बारह मात्र) केवल जमा कर दे, अन्यथा इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।
4. Please deposit ₹ **15,60,212/-** (Rupees Fifteen Lakh Sixty Thousand Two Hundred Twelve only) towards security deposit as per Schedule - E para (iii) on page GCC-131 of tender document within 15 days from the date of issue of this letter, failing which the same will be deducted from your running bill.
5. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा उन्मूलन तथा 1971 के कन्द्रीय नियम तथा उन्मूलन एवं न्यूनतम वेतन अधिनियम और नियम के प्रावधानों का अनुपालन करें।
5. You are requested to comply with the provision of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation and abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.
6. आपको निर्देश दिया जाता है कि आप तुरंत प्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा से संपर्क करें, जोकि आपको साइट सोपने की व्यवस्था करेंगे। कृपया नोट करें कि काम करने का अनुमत समय **06 महीने (छह महीने)** है जोकि दिनांक **16.03.26** के दिन से गिना जाएगा।
6. You are also directed to contact Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is **06 Months (Six Months)** which shall be reckoned from the date **16.03.26**.
7. ठेकेदार द्वारा किसी सुरक्षा विनियमों का उलंघन करते पाये जाने पर उसे ब्लैक लिस्टेड कर दिया जाएगा और अन्य कानूनी कार्यवाही की जाएगी।
7. If Contractor is found to violate any of security regulations, he shall be black listed and will be subjected to other legal proceedings.
8. इस ठेके के संबंध में आगे का कोई भी पत्राचार संयुक्त महाप्रबंधक (ईजी-विधुत), भाविप्रा, वडोदरा एयरपोर्ट, वडोदरा - 390022 के पते पर किया जाए।
8. Any further correspondences in connection with the contract should normally be addressed to the Jt.Gen.Manager (Engg-E), AAI, Vadodara Airport, Vadodara -390022.

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9. उपरोक्त कार्य के लिए त्रुटि दायित्व की अवधि **12 माह** होगी जो कार्य के प्रमाणित समाप्ती के दिन से गिनी जाएगी।
9. The defects liability period for the above-mentioned work shall be **12 months** from the certified date of completion work.
10. उपरोक्त हिन्दी एवं अंग्रेजी के पाठ्य मे मतभेद होने पर अंग्रेजी लिपि मे लिखित पाठ्य मान्य होगा।
10. In case of discrepancy in Hindi and English text then English text will be taken as correct.
11. कृपया पावती भेजे।
11. Please acknowledge the receipts.

संलग्नक: Schedule of Quantity

धन्यवाद / Thanking you,

भवदीय / Yours Faithfully,

(सचिन बी. खंगार)

(Sachin B. Khangar)

संयुक्त महाप्रबंधक (अभि.-विधुत)

Jt. General Manager (Engg-E)

कृते तथा ओर से अध्यक्ष

For and on behalf of chairman,

भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट.

Airports Authority of India, Vadodara Airport.

प्रतिलिपि/ Copy To - For Favour of Information

1. क्षेत्रीय श्रम आयुक्त, चंद्रप्रभा फ्लैट नंबर-2, कृष्णा नगर सोसाइटी, मोती बाग पैलेस के सामने, वडोदरा - 390001.
Regional Labour Commissioner, Chandraprabha Flat No.2, Krishna Nagar Society, Opp. Moti Baugh Palace, Vadodara - 390 001.
2. क्षेत्रीय भविष्य निधि आयुक्त, भविष्य निधि भवन, वीएमसी वार्ड -6 कार्यालय के पीछे, अकोटा स्टेडियम रोड, अकोटा, वडोदरा -390020
Regional P.F Commissioner (I), Bhavishyanidhi Bhawan, Behind VMC Ward-6 Office, Akota Stadium Road, Akota, Vadodara - 390020.

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प्रतिलिपि/ Copy To : (NOO)

1. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
General Manager (Engg.-Elect), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.
2. संयुक्त महाप्रबंधक(सतकर्ता), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
Jt.Gen.Manager (Vigilance), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.

आंतरिक विवरण / INTERNAL: (By E-mail)

1. विमानपत्तन निदेशक, भाविप्रा, नागरविमान क्षेत्र, वडोदरा/Airport Director, Airports Authority of India, CA, Vadodara - सूचनार्थ ।
2. वरिष्ठ प्रबंधक (वित्त) / Sr.Manager (Fin), Airports Authority of India, CA, Vadodara - - सूचनार्थ ।
3. प्रबंधक (अभि-विद्युत)/ Manager (E-E), Airports Authority of India, CA, Vadodara - कार्य निष्पादन हेतु ।
4. कार्य फाइल / Work File
5. करारनामा फाइल / Agreement File
6. हिन्दीगार्ड फाइल / Hindi Guard File

सचिन बी. खंगार
9/3/2026
(सचिन बी. खंगार)
(Sachin B. Khangar)
संयुक्त महाप्रबंधक (अभि.-विद्युत)
Jt. General Manager (Engg-E)
कृते तथा ओर से अध्यक्ष
For and on behalf of chairman,
भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट.
Airports Authority of India, Vadodara Airport.

SEHEDULE OF QUANTITY

Name of Work :- Provision of Air conditioning in new CCR room and ATC substation i/c air conditioning in Aerobridge tunnels and other ancillary work at Vadodara Airport.

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
1	Supply, installation, testing & commissioning of Floor Mounted AMCA standard Backward curved fan type Air Handling unit of following capacity with built in drive and drive package alongwith elect. Motor, AHU suitable for out door installation only. starter and cabling as per the specifications				
	Body Construction : Supporting hollow extruded heavy-duty AL with internal coving thermal break section. 50mmthick Puf Panel with PUF insulation with density of 40 KG/Cm2. Inner skinn 22g in 120 GSM , Outer Skinn Precoated 22g, Base Frame of Unit in GSS. In Aluminum section structure. Total Unit Height not more than 2100mm				
	Fan Section : -AMCA standard Backward curved fan mounted with IE3 TEFC motor with Drive Package installed on Aluminum Formed 'C' section with Cushy foot mount vibration pad. Fan section internally Accoustic Linned with 10 mm Open cell Insulation covered with 24 g Aluminium perforated sheet.Fire retardant canvass connection within the units. Aluminum Aerofoil Supply air volume control Damper is part of This section				
	Cooling Coil : Cooling Coil made out from Copper tube (Plain), 0.41 mm, CopperAL fins, 0.13 mm Thickness, 11-12 FP. 4 Row Deep DX cooling Coil with Single/ Multiple Circuite. Coil Area @ 500FPM insulated S.S.Drain tray in S.S.304 Construction with 18 G. Insulated with 13mm Thick Insulation				
	Filter Section: Filter Frame in Aluminium Construction. Filter body from GI with minimum 50mm Depth. 7 ply 10 micron Filter down to 90%. Filter media Synthetic (Non woven type) HDPE washable type supported by rods. Not more than 500FPM				
	Return Air Section : Made out From hollow extruded heavy-duty AL with internal coving thermal break section. 50mmthick Puf Panel with PUF insulation with density of 40 KG/Cm2. Inner skinn 22g in 120 GSM , Outer Skinn Precoated 22g.Base Frame of Unit in GSS Same As other section of Unit. Return Air duct connection with Aerofoil Aluminium Damper, Fresh Air Cut out with Aerofoil Aluminium Damper are part of this Section Only.				
a	8000 CFM @40 mm SP. Cooling Capacity 22 TR	1.00	Nos.	378718.00	378718.00
	Air Cooled DX type Out Door Unit				

SI.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
2	Supply, installation, testing & commissioning of High COP DX Air Cooled Outdoor Condensing Unit consisting of high performance, low noise, scroll compressors, condenser coil, condenser fan, fan motor, microprocessor panel with display, wired remote controller with timed scheduler enclosed in a powder coated sheet metal casing, controlling the supplied indoor units. The unit shall have high static condenser fan. The unit shall have provision for control & monitoring from a central location with BACKNET/LANWORKS protocol, all enclosed in a powder coated sheet metal casing, supporting stand, coil protection mesh, vibration isolation pads, etc. out door unit suitable for 415V for outdoor, suitable for Double Skinned Air Handling Unit, set complete with Out door units, Refrigerant controllers, Temperature Controller, Change over Timer, Powder Coated stands out door unit, accessories including fully charge refrigerant R410A as per specification only.				
	Supply, Installation, Testing and Commissioning of Out-door units of following capacity in suitable configurations at design conditions (110/78 deg F) including, Isolation valves, Drier, Expansion Valve, Thermostat, controlling devices and as per Technical specifications with Double Skinned Air Handling Unit. Net Capacity: - Unit will Deliver Capacity @ 41 Deg.C Ambient Condition with inside Condition of 25 Deg C & 50% RH. Other Requirement: - Supply, Installation, Testing and Commissioning (SITC) of LT Panel (Sl. No. 1 & 2), wall/floor mounted type, complete with suitably rated switchgears, starters and protective devices for the proper functioning of Air Cooled DX type Outdoor Units (ODUs), including interconnection with appropriate rating of power cables between LT Panel and AHUs/ODUs, provision of control cabling for signal, interlock and control between LT Panel, Air Cooled DX type ODU & their IDUs, insulating mats conforming to IS standards at the front and rear of LT Panels, and all other accessories required for safe and reliable operation; the scope shall be comprehensive in all respects, with the clear stipulation that all required cables (both power and control) from ODU to VRF/IDUs shall be supplied and laid by the tenderer, who must quote accordingly for each item inclusive of cabling, terminations and associated works.				
a	11.00 Tr (2 working + 1 standBy)	3.00	set	175000.00	525000.00
3	Ceiling Suspended Ductable type Split Air Conditioner				

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
	Supply, installation, testing & commissioning of Ductable split unit with both inside evaporation & outside condensing units, refrigerant piping, Isolation valves, expansion valve, piping insulation & other accessories with first charge of refrigeration gas. The Actual Capacities indicated here under shall be at Ambient conditions capacity including supply, installation, testing & commissioning (SITC) of LT Panel - Wall/Floor mounted type, comprising of suitable capacity switchgears for proper functioning of Ceilling Suspended Ductable type Split Air Conditioner and their Outdoor Units, including appropriate starters, interconnecting power cable & control cabling, etc., complete in all respects as required. Supply, Installation, Testing and Commissioning (SITC) of LT Panel (at sl. no. 5), wall/floor mounted type, complete with suitably rated switchgears, starters and protective devices for the proper functioning of Ceilling Suspended Ductable type Split Air Conditioner and their Outdoor Units, including interconnection with appropriate rating of power cables between LT Panel and Ceilling Suspended Ductable type Split Air Conditioner and their Outdoor Units, provision of control cabling for signal, interlock and control between LT Panel, Ceilling Suspended Ductable type Split Air Conditioner and their Outdoor Units, insulating mats conforming to IS standards at the front and rear of LT Panels, and all other accessories required for safe and reliable operation; the scope shall be comprehensive in all respects, with the clear stipulation that all required cables (both power and control) from Ceilling Suspended Ductable type Split Air Conditioner and their Outdoor Units shall be supplied and laid by the tenderer, who must quote accordingly for each item inclusive of cabling, terminations and associated works.				
a	11.00 Tr (4 working + 2 standBy)	6.00	set	216450.00	1298700.00
b	8.50 Tr (2 working + 1 standBy)	3.00	Set	182900.00	548700.00
	Net Capacity: - Unit will Deliver Capacity @ 41 Deg.C Ambient Condition with inside Condition of 25 Deg C & 50% RH.				
4	VRF/VRV Out Door Unit				

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
	Supply, installation, testing & commissioning of High COP Variable Refrigerant Flow/ Variable Refrigerant Volume Air conditioning system (Cooling only) facility suitable for 380~415 V for outdoor and 230 + 5% volts for Indoor units complete with indoor and outdoor units, controllers, accessories including fully charge refrigerant R410A/non-CFC as per specification for the following configuration including Supply, Installation, Testing and Commissioning (SITC) of LT Panel (at sl. no. 5), wall/floor mounted type, complete with suitably rated switchgears, starters and protective devices for the proper functioning of Air Handling Units (AHUs) and their associated Outdoor Units (ODUs), including interconnection with appropriate rating of power cables between LT Panel and AHUs/ODUs, provision of control cabling for signal, interlock and control between LT Panel, AHUs, ODU's and VRF/Indoor Units (IDUs), insulating mats conforming to IS standards at the front and rear of LT Panels, and all other accessories required for safe and reliable operation; the scope shall be comprehensive in all respects, with the clear stipulation that all required cables (both power and control) from ODU's to VRF/IDUs shall be supplied and laid by the tenderer, who must quote accordingly for each item inclusive of cabling, terminations and associated works.				
	Net Capacity: - Unit will Deliver Capacity @ 41 Deg.C Ambient Condition with inside Condition of 25 Deg C & 50% RH.				
	Unit COP Minimum 3.25				
a	8 HP ODU (6.6 TR)	5.00	Set	201600.00	1008000.00
5	VRF/VRV In Door Unit				
a	SITC of Ceiling suspended One way Cassettes with refrigerant, 1 way flow type Fan Coil Units with energy saving Single Phase BLDC motor / EC Motor (Electronically Commuted Motor), Filter section with prefilters, Hydrophilic Al fins and Copper Cooling Coil section with minimum 2 Row and minimum 13 FPI, in-built condensate drain pump, Insulated extended L shaped Drain Pan. Unit shall be supplied with Individual or BMS compatible Digital Group Controller, necessary Networking Adapters and Gateway with interface modbus protocol to connect the DDC panel (230V operating / Power On / Off provision, 3 speed fan switch & Temp Edit facility / Digital Temp Display) and supplied with Temrature Controller, Y joint and Decorative Panel suits to FCU as required.				
	Unit Capacity 2.1 Tr (For Departure VIP room)	3.00	Set	34800.00	104400.00
b	SITC of Ceiling suspended TWO way Cassettes with refrigerant, 2 way flow type Fan Coil Units with energy saving Single Phase BLDC motor / EC Motor (Electronically Commuted Motor), Filter section with prefilters, Hydrophilic Al fins and Copper Cooling Coil section with minimum 2 Row and minimum 13 FPI, in-built condensate drain pump, Insulated extended L shaped Drain Pan. Unit shall be supplied with Individual or BMS compatible Digital Group Controller, necessary Networking Adapters and Gateway with interface modbus protocol to connect the DDC panel (230V operating / Power On / Off provision, 3 speed fan switch & Temp Edit facility / Digital Temp Display) and supplied with Temrature Controller, Y joint and Decorative Panel suits to FCU as required.				
	Unit Capacity 2.1 Tr (For Arrival VIP room + CIP room)	5.00	Set	47583.00	237915.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
6	Refrigerant Piping and Insulation				
6.1	Refrigerant Piping				
	Insulated Refrigerant piping between the indoor units and the outdoor units with minimum pipe thickness of 1.2 mm. The Route length of Refrigerant piping between the outdoor units & Indoor units shall be as per the drawings furnished. The price quoted shall include liquid receiver, on-line accumulator, oil separator & other safety devices, Control valves, Accessories, Hardwares for required for total nos of circuits, if required for long distance and first charge of refrigerant & oil for the complete system including piping length required.				
	Refrigerant piping with hard/soft copper tube complete with all accessories & rod supporting work etc. of following capacity				
	All refrigerant pipes shall be of hard drawn pipes in straight lengths shall be used. Wall thickness of all piping shall be 18 guage, 1.2 mm thick				
	The refrigerant pipes to be laid in a suitable size ladder type cable tray. The price quoted shall also include the cost of the cable tray and the supporting arrangement for the cable tray.				
	Class 'O' Nitrile rubber insulation should be used to insulate the refrigerant pipes .				
	The price quoted shall include cost of refrigerant & oil, necessary supports, supporting tray, pressure testing, vaccumization & commissioning, etc.				
a	8 HP ODU (6.5 TR)	140.00	Rmt	2100.00	294000.00
b	8.50 TR Dx System	90.00	Rmt	1908.00	171720.00
c	11.00 TR Dx System	180.00	Rmt	1620.00	291600.00
	Refrigerant Pipe (Copper pipe) Make: - Mandev, RR, Rajco.				
6.2	Insulated UPVC Drain Piping				
	Insulated Drain piping between the indoor units and nearest suitable drain Point with UPVC Pipe & UPVC Fitting. The Route length of drain piping shall be as per the drawings furnished. The price quoted shall include 10 mm Class O Insulation, accessories, hardwares, support system for required for leak proof piping work .				
a	25 mm Dia	80.00	Rmt	300.00	24000.00
b	32 mm Dia	150.00	Rmt	375.00	56250.00
c	50 mm Dia	75.00	Rmt	495.00	37125.00
d	80 mm Dia	90.00	Rmt	575.00	51750.00
e	100 mm Dia	50.00	Rmt	630.00	31500.00
7	SITC of G.I. Sheet Metal Duct Work As Per IS-655				
7.1	Supply, installation, testing & commissioning of G.I. Sheet Metal Duct (Rectangular)				

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
a	0.63 MM (24G)	245.00	MT ²	753.00	184485.00
b	0.80 MM (22G)	215.00	MT ²	954.00	205110.00
c	1.00 MM (20G)	55.00	MT ²	994.00	54670.00
7.2	Supply, installation, testing & commissioning of G.I. Sheet Metal Duct (Circular)				
a	0.63 MM (24G)	40.00	MT ²	1386.00	55440.00
b	0.80 MM (22G)	60.00	MT ²	1463.00	87780.00
7.3	Supply, installation, testing & commissioning of Powder Coated Extruded Aluminium Linear Grilles of required Airflow Angles with VCD				
a	Supply, installation, testing & commissioning of Aluminium Linear Grilles in any size without VCD	12.00	MT ²	4988.00	59856.00
b	Supply, installation, testing & commissioning of Aluminium Linear Grilles in any size with VCD	25.00	MT ²	9628.00	240700.00
7.4	Supply, installation, testing & commissioning of Aluminium Aerofoil sectional Diffuser with dampers of following size				
a	595 x 595 mm (Grid Diffuser)	30.00	Nos.	2598.00	77940.00
8	Supply, installation, testing & commissioning of duct silencers to be provided in SA duct. The silencers shall be designed to attenuate noise to meet NC - 50 curve. Silencers shall consists of incombustible, inorganic, inert non shedding glass fibre of sufficient density as acoustic fill to obtain above noise reduction. IN 900 MM LENGTH	10.00	MT ²	6100.00	61000.00
9	Supply, installation, testing & commissioning of motorised fire & smoke dampers with actuators in supply / return air duct / path of conditioned air in AHU rooms. Fire dampers shall be complete with in-built temperature and smoke sensors and auxiliary switch to trip the AHUs and close the dampers simultaneously. These dampers shall also actuate in response to signal from central smoke alarm system which shall trip the AHU along with closing the damper. Testing of fire dampers shall be as per UL 555 and certified by CBRI. Annular space / Gap around ducting, between ducting & fire damper and around fire damper shall be sealed to make it air tight by Hilti make Fire stop mortar, CP 636 or equivalent other material. SIZE OF FIRE DAMPER - as per duct size	10.00	MT ²	31181.00	311810.00
10	Supply, installation, testing & commissioning of volume dampers with locking arragment in supply / return air duct / path of conditioned air. SIZE OF DAMPER - as per duct size	6.00	MT ²	5452.00	32712.00
11	Duct Insulation Work				
a	Supply, installation, testing & commissioning of of Duct acoustic insulation with Opencell Insulation from the inside of the duct as per specifications. 13 MM THICK (Minimum)	90.00	MT ²	708.00	63720.00
b	Supply, installation, testing & commissioning of Thermal insulation of Ducts with Close Cell Nitrile on the duct surface area as per specifications. 13 MM THICK (Minimum)	515.00	MT ²	191.00	98365.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
12	Supply and fixing of XLPE Aluminium foil-faced nitrile rubber insulation of following thickness on existing SA (Supply Air), RA (Return Air), and FA (Fresh Air) ducting, including all accessories, adhesives, supports, bends, joints, and labour, etc. complete in all respects as per site requirements and engineer-in-charge's instructions.				
a	25mm	150.00	RMT	522.00	78300.00
b	19mm	150.00	RMT	377.00	56550.00
c	13mm	150.00	RMT	272.00	40800.00
13	Dismantling and removal of existing installed insulation on SA (Supply Air), RA (Return Air), and FA (Fresh Air) ducting, including aluminium cladding, adhesives, fasteners, supports, and associated accessories, with careful handling to avoid damage to ductwork, stacking of serviceable material as directed, and disposal of unserviceable material outside airport premises, complete in all respects as per site conditions and engineer-in-charge's instructions.	250.00	RMT	200.00	50000.00
14	Supply and fixing of 24 SWG Aluminium sheet cladding on existing SA (Supply Air), RA (Return Air), and FA (Fresh Air) ducting, including cutting, bending, shaping, jointing, sealing with suitable adhesive/tape, and fixing with appropriate fasteners and supports, complete in all respects as per site conditions and instructions of engineer-in-charge. (Finished surface measurement shall be considered for payment.)	200.00	RMT	700.00	140000.00
15	Repairing and modification of existing installed aluminium cladding on CHW (Chilled Water) piping of any diameter, wherever required, including removal of damaged portions, reshaping, refixing, sealing of joints with suitable adhesive/tape, and replacement of unserviceable sections with matching suitable size aluminium sheets, complete in all respects as per site conditions and instructions of engineer-in-charge.	100.00	RMT	675.00	67500.00
	ELECTRICAL & CIVIL WORK				
16	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 including G.I. bolts & nuts, etc as required.				
a	600 mm width X 62.5 mm depth X 2.0 mm thickness	150.00	Rmt	1355.00	203250.00
b	300 mm width X 62.5 mm depth X 2.0 mm thickness	350.00	Rmt	800.00	280000.00
17	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	500.00	Rmt	51.00	25500.00
18	Providing and fixing 25mm X 5 mm G.I strip on surface or in recess for connections etc. as required.	180.00	Rmt	108.00	19440.00
19	Supply, installation, testing & commissioning of M.S. fabrication work, including making of stands, steps and other required supports for crossing the chilled water pipelines, etc., complete as required.	1500.00	KG	160.00	240000.00
20	Commissioning of system with first charge of refrigerant, including testing, adjustment, balancing and ensuring proper performance of the equipment, complete as required.	14.00	Lot	7000.00	98000.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
21	Supply, installation, testing & commissioning of Unit Controller with Remote for one way and two way cassette units.	8.00	Set	4400.00	35200.00
22	Supply, installation, testing & commissioning of change over Timer Controller for working unit and stand by units.	4.00	Set	6000.00	24000.00
23	Supply of following size XLPE insulated PVC sheathed Aluminium conductor armoured power cable of 1.1 KV grade confirming to IS 7098 (Part-I) with up to date ammendment etc. complete as required.				
a	3.5C x 50 sq. mm.	504.00	Mtrs.	355.00	178920.00
b	3.5C x 35 sq. mm.	288.00	Mtrs.	250.00	72000.00
24	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade Upto 35 sq. mm cable size on wall surfaceas required.	220.00	Mtrs.	110.00	24200.00
25	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade above 35 sqmm. and Upto 95sqmm. sq. mm cable size on wall surfaceas required.	180.00	Mtrs.	145.00	26100.00
26	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	150.00	Mtrs.	15.00	2250.00
b	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	200.00	Mtrs.	20.00	4000.00
27	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.				
a	3.5 x 50 sq. mm.	18.00	Each	110.00	1980.00
b	3.5 x 35 sq. mm.	16.00	Each	110.00	1760.00
28	Providing and laying in position cement concrete of specified grade including the cost of all materials, labour, tools and plants required for proper execution of work. The item shall also include centering and shuttering wherever necessary, compacting the concrete to achieve required strength, curing for the prescribed period, and finishing the exposed surface smooth and even as per specifications and directions of the Engineer-in-Charge				
a	1:2:4 (1 cement : 2coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	6.00	Cum	4418.00	26508.00
b	1:2:4 (1 cement : 2coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)	8.00	Cum	4212.00	33696.00
c	1:3:6 (1Cement : 3 Coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources.	6.00	Cum	4318.00	25908.00
d	1:3:6 (1Cement : 3 Coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources.	8.00	Cum	3918.00	31344.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
29	Demolishing R.C.C work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meaters lead as per direction of Engineer - in - charge.	5.00	Cum	1504.00	7520.00
30	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 meters lead as per direction of Engineer-in-charge. Nominal contracte 1:3:6 or richer mix (i/c equivalent desingn mix)	5.00	Cum	1454.00	7270.00
31	Demolishing brick work manually/ by mechanical means including stacking of serviceble material and disposal of unserviceble material within 50 metres lead as per direction of Engineer-in-charge. (In cement mortar)	5.00	Cum	1204.00	6020.00
SH-II	SH-II Ceiling Mounted Cassette AC				
32	Supply, Installation, testing and commissioning of 4 way ceiling mounted Inverter Cassette type Air Conditioning Unit (preferably 5 Star BEE rating or as per OEM availablity) consisting of ceiling mounted indoor unit and condenser (copper) unit with 4TR (or as per OEM) capacity having nominal cooling capacity of minimum 42000 BTU/Hr. suitable for operation on 3-phase, 415 volts, 50 Hz AC supply (or as per OEM) with scroll/rotary type compressor suitable for R-410A/ R-32/ non CFC gas, cordless remote controller, integrated drain pump, auto air swing louvers extremely quiet in operation etc., including mounting indoor unit from the ceiling with suitable brackets/ tie rod as per standard practice in the industry, installation of condensing units with suitable MS angle/ channel/ bracket/ supports on the terrace/ sunshade/ wall/ column as per site requirements, initial filling of the gas to full capacity etc. as required. Net Capacity: - Unit will Deliver Capacity of minimum 3.5 TR @ 41 Deg.C Ambient Condition with inside Condition of 25 Deg C & 50% RH.	5.00	Each	125095.00	625475.00
33	Providing & fixing of suitable size Copper Refrigerant piping suitable for R-410A/ R-32/ non CFC (supply and return) refrigerant with expanded polythene foam insulation tubing with flexible PVC covering pipe for cassette type air conditioners as required. Refrigerant Pipe (Copper pipe) Make: - Mandev, RR, Rajco.	75.00	Mtr.	1060.00	79500.00
34	Providing and fixing of 25 mm size PVC drain pipe from the respective units with proper insulation, concealed in wall/clamping on surface, sealing the joints including making of opening and repairing of wall as per site condition.	75.00	Mtr.	155.00	11625.00
35	Supply & fixing of 5 core, 4 sq. mm size copper conductor flexible cable for the connections from mains to outdoor units of approved make complete as required at site.	50.00	Mtr.	330.00	16500.00
36	Supply & fixing of 3 core, 2.5 sq. mm size copper conductor flexible cable for the interconnections between indoor & outdoor units of approved make complete as required at site.	75.00	Mtr.	175.00	13125.00
SH-III	SH-III Wall Mounted Split AC System				

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
37	Supply of 2.0 TR (or as per OEM) capacity having nominal cooling capacity of minimum 21500 BTU/Hr. suitable for operation on single phase, 230 volts, 50 Hz AC supply (or as per OEM) High wall Split type Airconditioners not less than 5 star rating copper coil, inverter type fitted with extra powerful rotary/ reciprocating compressors, including remote, refrigerant R-32/ non CFC suitable for wall mounting confirming to IS 1391/ Part – 21/92 Amdt. No. 1 (except power consumption norms) with 10 feet copper refrigeration pipes and suitable copper cable and having features like auto air swing(2 way swing), speed setting(3/3), operation control (electronic), auto restart, on timer, evaporator type (2 bend eva) and capable of performing:- (a) Cooling (b) Dehumidifying. (c) Air-circulating (d) Filtering (anti-bacteria). Net Capacity: - Unit will Deliver Capacity of minimum 1.8 TR @ 41 Deg.C Ambient Condition with inside Condition of 25 Deg C & 50% RH.	30.00	Each	44100.00	1323000.00
38	Supply of 1.5 TR (or as per OEM) capacity having nominal cooling capacity of minimum 18000 BTU/Hr., minimum 400 CFM suitable for operation on single phase, 230 volts, 50 Hz AC supply (or as per OEM) High wall Split type Airconditioners not less than 5 star rating copper coil, inverter type fitted with extra powerful rotary/ reciprocating compressors, including remote, refrigerant R-32/ non CFC suitable for wall mounting confirming to IS 1391/ Part – 21/92 Amdt. No. 1 (except power consumption norms) with 10 feet copper refrigeration pipes and suitable copper cable and having features like auto air swing(2 way swing), speed setting(3/3), operation control (electronic), auto restart, on timer, evaporator type (2 bend eva) and capable of performing:- (a) Cooling (b) Dehumidifying. (c) Air-circulating (d) Filtering (anti-bacteria). Net Capacity: - Unit will Deliver Capacity @ 41 Deg.C Ambient Condition with inside Condition of 25 Deg C & 50% RH.	35.00	Each	41400.00	1449000.00
39	Installation, Testing & commissioning of A/C units as mentioned in item no- 1&2 which includes mounting of indoor & outdoor unit including supply and fixing of MS stand at their respective location along with laying of refrigerant pipeline with insulation & flexible PVC covering pipe up to standard length supplied with the unit , connecting both the units , leak testing of entire system, connecting both indoor and outdoor units with three core 2.5 sq mm PVC insulated flexible copper cable supplied with the unit, top up of refrigerant (if required), minor civil repairing work as per site requirement complete as required.	65.00	Job	2000.00	130000.00
40	Providing & fixing of suitable size Copper Refrigerant piping suitable for R-32 (supply and return) refrigerant with expanded polythene foam insulation tubing with flexible PVC covering pipe for split type air conditioners as required. (Measurement of 1 Running mtr. will include both supply & return Cu. Piping with insulation excluding standard length supplied by OEM with AC unit). Refrigerant Pipe (Copper pipe) Make: - Mandev, RR, Rajco.	300.00	Mtr.	957.00	287100.00
41	Providing and fixing of 25 mm size PVC drain pipe from the respective units, concealed in wall/clamping on surface, sealing the joints including making of opening and repairing of wall as per site condition.	200.00	Mtr.	155.00	31000.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
42	Supply & fixing of 3 core, 2.5 sq mm size copper conductor flexible cable for the interconnections between indoor & outdoor units of approved make complete as required at site. (Measurement excluding standard length supplied by OEM with AC unit).	200.00	Mtr.	180.00	36000.00
43	Supply and fixing of single phase, 240V Smart controller/Timer with 4 hr/8 hr duration, 25A capacity, having OV and UV indication/protection suitable for AC power supply 240V, 50 Hz, etc. complete as required.	6.00	Each	6000.00	36000.00
44	Dismantling the existing 1.5 TR/ 2.0 TR Split type AC of different capacities completely from different locations of the terminal building and shifting to AAI store i/c. loading / unloading etc. complete as required.	35.00	Job	300.00	10500.00
SH-IV	SH-IV Air Curtains and Hand Dryers				
45	Supply, installation, testing and commissioning of Centrifugal Type, Non Recirculating Air curtain having throw at the outlet of the Air Curtain is minimum 21m/s and MOC is of SS-304 grade, having noise level not more than 50db, suitable for door height of 8 feet, operation on single phase, 50Hz, 220V AC (or as per OEM) and provided with velocity control switch and door sensor, etc complete in all respect as required of following dimensions:				
(a)	Length = 900mm (min.), Width = 235mm (min.), Depth = 208mm (min.)	4.00	Nos.	25215.00	100860.00
(b)	Length = 1200mm (min.), Width = 235mm (min.), Depth = 208mm (min.)	8.00	Nos.	29451.00	235608.00
(c)	Length = 1500mm (min.), Width = 235mm (min.), Depth = 208mm (min.)	12.00	Nos.	36768.00	441216.00
(d)	Length = 1800mm (min.), Width = 235mm (min.), Depth = 208mm (min.)	4.00	Nos.	46219.00	184876.00
46	SITC of touch free Stainless steel-Brushed (304L) airblade (without heating element) having high efficiency particulate air (HEPA) filtered (able to captures more than 99.90% of particles as small as 0.1 microns), throw air speed more than 600 km/h, minimum operating airflow 22 Litre/ second, Motor speed more than 70000 RPM, capable to hand dry in 10 sec (max), noise less than 85 dB, IP24, Maximum upto 950W motor suitable for 160-253V, 50-60 Hz single phase supply and warranty for all parts for 05 years from OEM. (Make - Dyson, Model - Air blade 9kJ HU03 or Equivalent)	8.00	Nos.	122264.00	978112.00
47	SITC of touch free polycarbonate 'Nickle' airblade (without heating element) having high efficiency particulate air (HEPA) filtered (able to captures more than 99.90% of particles as small as 0.1 microns), throw air speed more than 600 km/h, minimum operating airflow 22 Litre/ second, Motor speed more than 70000 RPM, capable to hand dry in 12 sec (max), noise less than 85 dB, IP24, Maximum upto 1050W motor suitable for 200-240V, 50-60 Hz single phase supply and warranty for all parts for 05 years from OEM. (Make - Dyson, Model -Air blade V HU02 or Equivalent)	6.00	Nos.	75022.00	450132.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Rs.)	Amount (Rs.)
48	Supply, installation, testing and commissioning of Hand Dryer with SS-304 grade MOC suitable for operation on operation on single phase, 50Hz, 220V AC supply having brushless DC motor with auto cutoff within 20 sec, noise level not more than 70 db, along with heater element having drying time less than 15 sec, IPX4 protection, inbuilt HEPA filter, etc. complete as required. (Make- Euronics, Model- TIERRA HAND DRYER or Equivalent)	18.00	Nos.	20595.00	370710.00
SH-V	SH-V Miscellaneous work				
49	Supply of spares for CaryAire Make 4-Way Cassette Type (Chilled Water) Fan Coil Unit, Model MCA-1000, complete in all respects as per OEM specifications.				
a	Grille with filter as per sample	25.00	Each	3700.00	92500.00
b	Complete cover with flap, swing motor, grill & filter as per sample	10.00	Each	13300.00	133000.00
50	Supply of spare parts for Toshiba Make VRF Indoor Unit, Model No. MMURP0244, complete in all respects as per OEM specifications.				
a	Complete Indoor Unit Assembly (complete housing and integrated coil section), Material code - 2514035	4.00	Each	4985.00	19940.00
b	Fan Blower-assembly (factory-balanced blower wheel with motor coupling), Material code - 2024956	4.00	Each	3705.00	14820.00
c	All Sensors (temperature, humidity, and safety sensors, etc or as per OEM design), Material code - 2024959,2048774,2024644	4.00	Set	3288.00	13152.00
d	Pump assembly - Drain Pump (built-in condensate pump with overflow protection switch), Material code - 2047705N	4.00	Each	3705.00	14820.00
e	Pan assembly - Drain Tray (condensate collection tray with anti-corrosion coating), Material code - 2027976	4.00	Each	4845.00	19380.00
f	Grille assembly as per sample	4.00	Each	7717.00	30868.00
g	PCB Card (control board with microprocessor and communication interface), Material code - 2024961N	4.00	Each	12000.00	48000.00
h	Master Unit Remote (wired/wireless remote controller for system operation), Material code - 2514137	4.00	Each	1080.00	4320.00
	Total				15602121.00

Signature Not Verified

Digitally signed by SACHIN BABANRAO KHANGAR
Date: 2026.03.10 16:35:25 IST
Location: eProcurement System for Central PSUs

21/03/2026
9/3/2026
(Sachin B Khangar)
JGM(E-E)
AAI, CA, Vadodara