



भारतीय विमानपत्तन प्राधिकरण
पश्चिमी क्षेत्र मुख्यालय
AIRPORTS AUTHORITY OF INDIA
WESTERN REGION, HQRS.

सं.संख्या: भाविप्रा/पक्षे/मुंबई/उमप्र(अभि.वि.)-एटीएस/सीडब्ल्यू/काआ-01/2023-24/95
Ref.No.: AAI/WR/MUM/DGM(E-E)-ATS/CW/WO-01/2023-24/95

दिनांक : 07.08.2023
DATE : 07.08.2023
BY SPEED POST / E-mail

प्रति, / To,

मेसर्स.नेटवर्क टेकलैब (इं) प्रायवेट लिमिटेड, / M/s. Network Techlab (I) Pvt.Ltd.,
41, सर्वोदय इंडस्ट्रियल इस्टेट, / 41, Sarvodaya Industrial Estate,
पेपर बॉक्स के सामने, / Opp. Paper Box,
महाकाली गुंफा रोड, / Off. Mahakali Caves Road,
अंधेरी (पूर्व), मुंबई - 400 093 / Andheri (East), Mumbai - 400 093

विषय/Sub : " एटीएस कॉम्प्लेक्स और स्काई टॉवर, मुंबई-चरण-I और II में नए ऑटोमेशन सिस्टम और एसएमजीसीएस की स्थापना के लिए प्रिसिजन एयर कंडीशनिंग का कार्य (निविदा आय.डी.: 2023_भाविप्रा_156153_1) / "Precision Air-conditioning works for the installation of New Automation System and ASMGCS at ATS Complex and Sky Tower, Mumbai-Phase-I & II (Tender ID: 2023_AAI_156153_1)"

संदर्भ / Ref. : 1. आपकी वित्तीय बोली दिनांक 14.07.2023 को खुला। / Your Financial Bid is opened on 14.07.2023.

2. दिनांक 27.07.2023 को हुई निगोशियेशन और दिनांक 01.08.2023 को हुई री-निगोशियेशन के आधार पर आपका संशोधित प्रस्ताव। / Your revised offer based upon negotiation held on dated 27.07.2023 and re-negotiation held on dated 01.08.2023.

महोदय / Sir,

- उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत और निगोशीयटेड मद दरों पर स्वीकार की जाती है जो कुल रु.4,71,44,107.00 (रुपये चार करोड़ इकहत्तर लाख चौवालीस हजार एक सौ सात मात्र) (जीएसटी रहित), जो निविदा में रखी गई अनुमानित/उचित लागत रु. 4,57,37,230.00 (जीएसटी रहित) से 3.076% ऊपर है। वैध टैक्स चालान के खिलाफ जीएसटी का भुगतान किया जाएगा। कृपया कर चालान में महाराष्ट्र राज्य के लिए AAI GST no. 27AAACA6412D1Z8 उद्धृत करें।
- Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted & negotiated by you totaling to Rs. 4,71,44,107.00 (Rupees Four Crores Seventy One Lakhs Forty Four Thousand One Hundred Seven only) (excluding GST) which is 3.076% above the estimated/justified cost put to tender of Rs. 4,57,37,230.00 (excluding GST). GST will be paid against Valid Tax invoice. Please quote AAI GST no.27AAACA6412D1Z8 for Maharashtra State in Tax Invoice.
- उप महाप्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप उप महाप्रबंधक (अभि.विद्युत), भाविप्रा, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई के कार्यालय में दिनांक 17.08.2023 तक उपस्थित रहकर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण करने का कष्ट करें। ठेका करार का निष्पादन 100/- रुपये (केवल एक सौ रुपये) के गैर-न्यायिक स्टैम्प पेपर पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।
- Dy.General Manager (Engg.-E.), AAI, ATS Complex, Regional Head Quarter, Western Region, Mumbai shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Dy.General Manager (Engg.-E.), AAI, ATS Complex, Regional Head Quarter, Western Region, Mumbai by 17.08.2023 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.
- आपसे अनुरोध है कि इस पत्र के जारी होने की तिथी से 10 दिनों के भीतर सुरक्षा राशि या सुरक्षा जमा के विरुद्ध बैंक गारंटी जो राशि Rs. 3,41,76,326.36 (बीओक्यू का SH-A + SH-B + SH-C का कुल) के 10 % है को प्रस्तुत करें, अन्यथा अनुबंध के पृष्ठ 56 पर शर्त के अनुसार आपके बिल से काटा जाएगा।
- You are requested to furnish security deposit or Bank Gurantee against Security deposit @ 10 % of Rs. 3,41,76,326.36 (Total of SH-A + SH-B + SH-C of BOQ) within 10 days from the date of issue of this letter, failing which the same will be deducted from your bill as per condition on page 56 of the contract document.

... 2/-

क्षेत्रीय कार्यपालक निदेशक का कार्यालय, पारसीवाडा के सामने, सहार रोड, विलेपार्ले (पूर्व), मुंबई - 400 099. 91-22-29217400
Office of the Regional Executive Director, Opp. Parshiwada, Sahar Road, Vile Parle (E), Mumbai - 400 099.

ए.टी.एस. कॉम्प्लेक्स, सहार कार्गो के पास, सुतार पखाडी रोड, सहार, मुंबई - 400 099.
ATS Complex, Near Sahar Cargo, Sutar Pakadi Road, Sahar, Mumbai - 400 099.

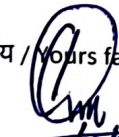
91-22-26819300

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4. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियमावली 1971 और केंद्रीय एवम राज्य सरकारों के न्यूनतम वेतन तथा उससे संबंधित अन्य नियमों के प्रावधानों का पालन 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 of central and state Governments with its upto date amendments thereof.
5. आपको यह भी निर्देश दिया जाता है कि आप तुरंत वरिष्ठ प्रबंधक (अभि.वि.)/ सहायक प्रबंधक(अभि.वि.), भाविप्रा, एटीएस कॉम्प्लेक्स, मुंबई से संपर्क करें जो आपको साइट सौंपने की व्यवस्था करेंगे।
5. You are also directed to contact Sr.Manager (Engg.-E.)/Asstt.Manager (Engg.-E.), AAI, ATS Complex, Mumbai immediately who will arrange to hand over the site to you.
6. कृपया यह भी नोट कर ले कि निविदा के अनुसार कार्य निष्पादन हेतु अनुमत समय 06 (छह) माह है, जिसकी गणना 17.08.2023 से 16.02.2024 तक की जाएगी।
6. Please note that the time allowed for carrying out the work is 06 (Six) months , which shall be reckoned from from 17.08.2023 to 16.02.2024.
7. इस ठेके के संबंध में कोई और पत्राचार सामान्य रूप से उप महाप्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई को संबोधित किया जाना चाहिए।
7. Any further correspondence in connection with the contract should normally be addressed to the Dy. General Manager (Engg.-E.), AAI, ATS Complex, Regional Head Quarter, Western Region, Mumbai.
8. निम्न उल्लिखित सभी पत्र अनुबंध का हिस्सा होंगे।
8. All the letters referred below shall form part of contract.
 - i) AAI's Letter No.:AAI/WR/MUMBAI/AGM(E-E)-ATS/CW-NIT/2023-24/83 Dated : 25.07.2023,
 - ii) AAI's Letter No.: AAI/WR/MUMBAI/AGM(E-E)-ATS/CW-NIT/2023-24/85 Dated : 31.07.2023,
 - iii) AAI's Email Dated.01.08.2023,
 - iv) Agency's Letter No.: NIL Dated.27.07.2023,
 - v) Agency's Letter No. : NIL Dated.01.08.2023
9. कृपया इस पत्र कि प्राप्ति सूचना दें तथा इसके साथ संलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेजें।
9. 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..
10. कार्य आदेश के संबंध में किसी प्रकार की टंकनीय त्रुटी/विसंगति होने पर अंग्रेजी संस्करण मान्य होगा ।
10. With reference to this work order, if in case of any typographical mistake / discrepancy arise, the English version shall prevail.

धन्यवाद, / Thanking You,

भवदीय / Yours faithfully,


07/08/2023

उप महाप्रबंधक (अभि.विद्युत),
Dy.General Manager (Engg.-E.),
भा.वि.प्रा., एटीएस कॉम्प्लेक्स, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई /
A.A.I.,Regional Head Quarter, Western Region, Mumbai,
कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण
For and on behalf of Chairman, Airports Authority of India.

संलग्न / Encl. : मात्रा का बिल / Bill of quantities.

राजेश ताम्रकार / Rajesh Tamrakar
उप महाप्रबंधक (अभि.विद्युत)
Dy. Gen Manager (Engg.-Elect)
भारतीय विमानपत्तन प्राधिकरण,
Airports Authority of India,
क्षेत्रीय मुख्यालय-पश्चिम क्षेत्र, मुंबई-400 099.
Regional Head Quarter-WR, Mumbai-400 099.

AIRPORTS AUTHORITY OF INDIA
ENGINEERING ELECTRICAL WING, ATS COMPLEX, RHQ-WR, MUMBAI - 400 099.

BILL OF QUANTITIES

Name of Work : Precision Air-conditioning works for the installation of New Automation System and ASMGCS at ATS Complex and Sky Tower, Mumbai - Phase-I & II.
(Tender ID: 2023_AAI_156153_1)

Sr.No.	Description of Items	Quantity	Unit	Rate (excl. GST) (in Rs.)	Amount (excl. GST) (in Rs.)
1	SHA :Supply of PAC Units Supply of following capacity Floor Mounted, Bottom discharge and top return Air Cooled type Precision Air Conditioners. The Indoor units shall comprise of stepless variable capacity Digital/Inverter scroll compressor, Min. Two Sided Double skin side panels, with Class "O" Glasswool insulation, Bottom discharge type complete with dynamically balanced composite material fan driven by Electronically Commutated (EC) motor, hydrophilic coated slant/flat cooling coil. The unit shall be equipped with high efficiency filters(G4), micro processor based programmable logic controller, Liquid receiver, Expansion Valve, Driers, suction and discharge piping, Internal power & control wiring, Water leak detector sensor, SS drain tray with nitrile rubber insulation, Stainless steel strip Heater, Infrared steam humidifier, Power and Control contactors and Other Electrical accessories. Provision to communicate with the BMS monitoring system through RS 485 communications protocol. The Outdoor Condenser units shall comprise of Condenser fans & motor, Condenser cooling coil (Copper coil with aluminium fins), Fan speed controller, Isolater switch The outdoor unit shall be selected at min. 38 Deg C of ambient temperatures with R-410A Refrigerant Gas. The units shall be suitable for operation on 415 Volts, 50 Hz, 3 Phase, 4 Wire AC supply. Each unit should be having individual display panel, which shall display date, time, actual & set values, operating conditions, signal faults, collective faults, limiting values and unit wellness alarm / service alarm to reduce the down time and unit memory shall hold the 400 most recent events with ID number, time and date stamp for each event. Operational & Control Features - Supply Air Set points & Operational Capabilities: - 20 Deg.C +/- 2 Deg.C, 40% to 70% RH - Return Air Set points & Operational Capabilities: - 22 Deg.C to 38 Deg.C, 20% to 60% RH - P / PI / PID - All three Control logics for temperature control - Relative / Compensated / Predictive method for humidity control - Temperature & Humidity graphs for the system (Avg. value of all the connected units) & for each single unit - Record of Peak & Low temperature/humidity of the current day - Display shows SET / ACTUAL / SET+ACTUAL Values - Records total run hours for all main components - Team Mode operation for synchronising all machines in room without any external controller - Sequencing & Stand-by rotation - Cascading, Lead-Lag functions - Min. 16 days record of controlled parameters - Unit memory shall hold min. 200 recent alarms with date and time for each alarm - Status report of last 400 event logs - 3 types of access: User, Service & Advanced to protect all settings - Auto restart after a power failure - Graphical display of status of operation of all major components like Compressor, Fan, Heater & Humidifier on screen in an idle mode				


 07/08/2023
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Sr.No.	Description of Items	Quantity	Unit	Rate (excl. GST) (in Rs.)	Amount (excl. GST) (in Rs.)
	Operational & Control Features - Supply Air Set points & Operational Capabilities: 20 Deg.C +/- 2 Deg.C, 40% to 70% RH - Return Air Set points & Operational Capabilities: 22 Deg.C to 38 Deg.C, 20% to 60% RH - P / PI / PID - All three Control logics for temperature control - Relative / Compensated / Predictive method for humidity control - Temperature & Humidity graphs for the system (Avg. value of all the connected units) & for each single unit - Record of Peak & Low temperature/humidity of the current day - Display shows SET / ACTUAL / SET+ACTUAL Values - Records total run hours for all main components - Team Mode operation for synchronising all machines in room without any external controller - Sequencing & Stand-by rotation - Cascading, Lead-Lag functions - Min. 16 days record of controlled parameters - Unit memory shall hold min. 200 recent alarms with date and time for each alarm - Status report of last 400 event logs - 3 types of access: User, Service & Advanced to protect all settings - Auto restart after a power failure - Graphical display of status of operation of all major components like Compressor, Fan, Heater & Humidifier on screen in an idle mode				
(i)	15.0 TR Total cooling capacity with minimum airflow of 16000 CMH, at minimum 20 Pa ESP, Return Air as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location ATS Complex First Floor- DPDS Server Room(1W+1S), Second Floor- ACC Room(2W+2S), Third Floor- APP SIM Room(2W+2S))	10	Each	1346545.30	13465453.00
(ii)	12.5 TR Total cooling capacity with minimum airflow of 11500 CMH, at minimum 20 Pa ESP, Return Air to be considered as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location ATS Complex Third Floor- OCC Room(1W+1S))	2	Each	911860.16	1823720.32
(iii)	9.5 TR Total cooling capacity with minimum airflow of 8000 CMH, at minimum 20 Pa ESP, Return Air to be considered as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location ATC Complex Second Floor- HFT Room(1W+1S), SKY Tower Third Floor- ITWP Server Room(1W+1S))	4	Each	806808.58	3227234.32
(iv)	5.5 TR Total cooling capacity with minimum airflow of 5750 CMH, at minimum 20 Pa ESP, Return Air to be considered as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location SKY Tower Fourth Floor- ASMGCS Server Room(1W+1S))	2	Each	731038.00	1462076.00


07/08/23

Sr.No.	Description of Items	Quantity	Unit	Rate (excl. GST) (in Rs.)	Amount (excl. GST) (in Rs.)
2	Supply, of following capacity Wall Mounted, Front discharge Air Cooled type Precision Air Conditioners - 3.0 TR Nominal Cooling capacity @ minimum 2800 CMH. The Indoor unit shall comprise of fan section complete with EC fan, Evaporator, Copper Cooling coil, Microprocessor controllers, Thermal Expansion valves, G4 Filter, Internal power and control wiring, HP/LP Cutouts, Power & Control Connectors and other electrical accessories. The Outdoor Condenser unit shall comprise of Scroll Compressor, Condenser fan & motor, Condenser cooling coil (Copper coil with Aluminum fins), Isolator Switch. The protection level of the outdoor unit will be IP54. Items included the following :- Indoor unit with Metallic Body with Anti Corrosive Coating, Feature for PAC units controller for synchronizing the multiple no. of units to work as single system for above units, Load sharing mode feature, Cascading Effect, Sequencing of above units. Wall mounted high sensible cooling unit - 3TR Supply Air Set points & Operational Capabilities:- 20 Deg C +/- 2 Deg C, 40% to 70% RH (For Location - First Floor ATS - UPS Room 1 (2W+2S), UPS Room 2 (2W+2S), First Floor ATS Battery Bank Room 1 (1W+1S), Battery Bank 2 (1W+1S))	12	Each	347267.96	4167215.52
				Total of SH-A: Rs.	24145699.16
3	SH-B : Installation, Testing & Commissioning of PAC System Installation, testing, and commissioning of following capacity Floor Mounted, Bottom discharge and top return type Air Cooled type Precision Air Conditioners including supply & fixing suitable adjustable GI/MS stands with rubber pad for each outdoor unit to dimension as specified / recommendation of OEM (for Indoor and Outdoor units) including wiring, connection & interconnection making suitable for operation complete as required.				
(i)	15.0 TR Total cooling capacity with minimum airflow of 16000 CMH, at minimum 20 Pa ESP, Return Air as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location ATS Complex First Floor- DPDS Server Room(1W+1S), Second Floor- ACC Room(2W+2S), Third Floor- APP SIM Room(2W+2S))	10	Each	46718.00	467180.00
(ii)	12.5 TR Total cooling capacity with minimum airflow of 11500 CMH, at minimum 20 Pa ESP, Return Air to be considered as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location ATS Complex Third Floor- OCC Room(1W+1S))	2	Each	48809.50	97619.00
(iii)	9.5 TR Total cooling capacity with minimum airflow of 8000 CMH, at minimum 20 Pa ESP, Return Air to be considered as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location ATC Complex Second Floor- HFRT Room(1W+1S), SKY Tower Third Floor- ITWP Server Room(1W+1S))	4	Each	35438.00	141752.00
(iv)	5.5 TR Total cooling capacity with minimum airflow of 5750 CMH, at minimum 20 Pa ESP, Return Air to be considered as temperature at 28 +/- 2 Deg C DB & 45% +/- 5 RH (Non Condensing). (For Location SKY Tower Fourth Floor- ASMGCS Server Room(1W+1S))	2	Each	38709.20	77418.40
4	Supply, installation, testing of 18 SWG hard drawn copper refrigerant piping of sizes as per OEM standard with insulation for precision units with proper "U" traps in piping for required length. All refrigerant piping along within conditioned space shall be provided with 9mm Class 'O' Nitril Rubber insulation while rest pipework shall be provided with Nitrile Rubber Insulation & Anticorrosive coating and supports, between indoor and outdoor units. Each running meter of one circuit includes one meter of copper pipe (inlet & outlet), necessary supports, fittings, insulation, Thermoguard coating etc. and should connect the indoor to the outdoor as per locations. (Including extension kit if required)	1620	Meter	2822.82	4572968.40


 07/08/2023

Sr.No.	Description of Items	Quantity	Unit	Rate (excl. GST) (in Rs.)	Amount (excl. GST) (in Rs.)
5	Supply and fixing Perforated GI trays (With maximum 50% perforation) with necessary support and covertop for Refrigerant Pipes of following Size in (mm)				
(i)	Width 300 x Height 75 x thickness 1.2	200	Meter	1463.85	292772.40
(ii)	Width 150 x Height 50 x thickness 1.2	160	Meter	124.08	19852.80
6	Supply & Installation of following size GI Class "B" Drain Pipe with 9 mm thickness Nitrile rubber insulation with including all accessories complete as required.				
(i)	50 mm. diameter	100	Meter	1374.75	137475.00
(ii)	32 mm. diameter	60	Meter	1214.48	72868.80
(iii)	25 mm. diameter	20	Meter	857.28	17145.60
7	Supply & Installation of 25mm dia GI B class pipe for humidifier connection with including all accessories complete as required.	200	Meter	857.28	171456.00
8	Charging of Refrigerant Gas R-410a with Oil Supply & charging of Refrigerant Gas (R-410A) for the compressor for the 100 % rating and equivalent copper pipe length between Indoor & Outdoor Unit along with required oil for commissioning.	720	Kg	1214.48	874425.60
9	Supply & Installation of Motorized Damper with Actuator (of sufficient torque) & necessary control cablings for ON/OFF operation by interfacing with indoor unit operation and to be installed on indoor machines on Return Air path.	18	Each	27583.00	496494.00
10	Supply and laying of 3 C x 2.5 Sqmm Cu. Flexible cable (Indoor to outdoor unit) on existing cable tray or surface as directed by EIC.	1000	Meter	246.47	246468.00
11	Supply and laying of Size 4C x 16Sqmm. armoured Copper cable from Incoming Isolator Panel to Indoor Unit on existing cable tray or surface as directed by EIC.	200	Meter	1058.39	211678.00
12	Sequencing & logic control necessary timers and logic control for automatic start-stop of the unit with necessary timers and logic control for automatic start-stop of the unit. Logic should include orderly restart after power failure.	18	Lot	8930.00	160740.00
13	WALL MOUNTED UNITS Installation, testing, and commissioning of following capacity Wall Mounted, Front discharge type Air Cooled type Precision Air Conditioners - 3.0 TR Nominal Cooling capacity @ minimum 2800 CMH including supply & fixing suitable GI/MS stands for outdoor units and required plate for indoor unit including wiring, connection & interconnection making suitable for operation complete as required.				
(i)	Wall mounted high sensible cooling unit - 3TR (For Location - First Floor ATS - UPS Room 1 (2W+2S), UPS Room 2 (2W+2S), First Floor ATS Battery Bank Room 1 (1W+1S), Battery Bank Room 2 (1W+1S))	12	Each	27684.88	332218.56

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07/08/2023

Sr.No.	Description of Items	Quantity	Unit	Rate (excl. GST) (in Rs.)	Amount (excl. GST) (in Rs.)
14	Supply & fixing of suitable size (as per OEM recommendation) Copper piping for Interconnecting between Indoor & outdoor unit with suitable with Nitrile Rubber insulation. HOT gas line with insulation	200	Meter	1618.54	323707.80
15	Supply & fixing of suitable size (as per OEM recommendation) Copper piping for Interconnecting between Indoor & outdoor unit with suitable Nitrile Rubber insulation. Liquid gas line Insulation	200	Meter	1268.53	253706.00
16	Supply and laying of following size copper conductor cable for Interconnection between Indoor & outdoor unit in existing cable tray or surface complete as required. 5C X 2.5 Sq. mm	220	Meter	315.28	69360.72
17	Supply and laying following size copper conductor control cable for Interconnecting between Indoor & outdoor unit in existing cable tray or surface complete as required. 1.5 sqmm. x 4C Copper cable	220	Meter	238.29	52423.80
18	Supplying and fixing Condensate drain piping 25 mm. UPVC with 9mm nitrile rubber insulation	80	Meter	604.89	48391.20
19	Supply and fixing Perforated GI trays with necessary support and coverted for Refrigerant Pipes of following Size in (mm.) Width 100 x Height 50 x thickness 1.2 in mm.	80	Meter	1412.82	113025.60
20	Supply & charging of Refrigerant Gas (R407C) and oil required for the compressor for the 100 % rating and equivalent copper pipe length between Indoor & Outdoor Unit.	96	Kg	1246.44	119658.24
				Total of SH-B: Rs.	9380605.92
	SH-C: Supply and Fixing of G.I. duct /c insulation and New Diffusers/ Grills.				
21	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
(i)	Thickness 0.63 mm. sheet (24 Gauge)	80	Sq. Mtr.	1285.92	102873.60
(ii)	Thickness 0.8 mm. sheet (22 Gauge)	40	Sq. Mtr.	1418.74	56749.68
22	Supplying & fixing of powder coated extruded aluminium Air Grills with louvers but without volume control dampers complete as required.	50	Sq. Mtr.	7224.84	361242.00
23	Supplying and fixing of following thickness duly laminated aluminium foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.				
(i)	Thickness- 19 mm.	120	Sq. Mtr.	1076.30	129156.00
				Total of SH-C: Rs.	650021.28

17/01/2023

Sr.No.	Description of Items	Quantity	Unit	Rate (excl. GST) (in Rs.)	Amount (excl. GST) (in Rs.)
	SH-D : Annual Comprehensive Maintenance Contract of PAC			Total (SH-A + SH-B + SH-C) : Rs.	34176326.36
24	Annual Comprehensive Maintenance Contract of above Floor mounted PAC i.e 18 Nos. and wall mounted SRC i.e. 12 Nos. or Total Nos. of installed units under above work after completion of defect liability period of one year. The scope of work during CMC Period shall be as per technical specifications. For First Year	12	Months	195570.11	2346841.34
25	Annual Comprehensive Maintenance Contract of above Floor mounted PAC i.e 18 Nos. and wall mounted SRC i.e. 12 Nos. or Total Nos. of installed units under above work after completion of defect liability period of one year. The scope of work during CMC Period shall be as per technical specifications. For Second Year	12	Months	205348.62	2464183.45
26	Annual Comprehensive Maintenance Contract of above Floor mounted PAC i.e 18 Nos. and wall mounted SRC i.e. 12 Nos. or Total Nos. of installed units under above work after completion of defect liability period of one year. The scope of work during CMC Period shall be as per technical specifications. For Third Year	12	Months	215616.05	2587392.64
27	Annual Comprehensive Maintenance Contract of above Floor mounted PAC i.e 18 Nos. and wall mounted SRC i.e. 12 Nos. or Total Nos. of installed units under above work after completion of defect liability period of one year. The scope of work during CMC Period shall be as per technical specifications. For Fourth Year	12	Months	226396.86	2716762.28
28	Annual Comprehensive Maintenance Contract of above Floor mounted PAC i.e 18 Nos. and wall mounted SRC i.e. 12 Nos. or Total Nos. of installed units under above work after completion of defect liability period of one year. The scope of work during CMC Period shall be as per technical specifications. For Fifth Year	12	Months	237716.70	2852600.44
				Total of SH-D: Rs.	12967780.15
				Total (SH-A + SH-B + SH-C + SH-D):Rs.	47144106.51
				Say Rs.	47144107.00
(Total Rupees Four Crores Seventy One Lakhs Forty Four Thousand One Hundred Seven Only)					
Note : GST shall be paid extra against valid Tax Invoice.					

07/08/2023

Dy. General Manager (Engg. Elect.)
A.A.I., ATS Complex, RHQ-WR, Mumbai.

राजेश ताम्रकार / Rajesh Tamrakar
उप निरीक्षक (अग्नि-विज्ञान)
Dy. Gen Manager (Engg. Elect.)
भारतीय विमानपत्तन निगम लि.,
Airports Authority of India,
क्षेत्रीय मुख्यालय-पुणे, पिन-४११-४०० ०९९,
Regional Head Quarter-WR, Mumbai-400 099.