



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

स.सं.: भाविप्रा/पक्षे/मुंबई/समप्र. (अभि.-वि)-एटिएस/एमडब्ल्यू/काआ-03/2021-22
Ref.No.: AAI/WR/MUM/AGM(E-E)-ATS/MW/WO-03/2021-22

दिनांक : 23.08.2021
DATE : 23.08.2021

सेवा में / To,
मेसर्स.एस.एन.कूल,/ M/s. S.N.Cool,
#4, याकूब चाल,/ #4, Yakub Chawl,
एम.एच.बी.कॉलोनी,/ M.H.B.Colony,
दिण्डोशी नगर, मालाड, / Dindoshi Nagar, Malad,
मुंबई - 400 097/Mumbai - 400 097.

विषय / Sub: "ए.सी.एम.सी. ऑफ 2 x 120 टिआर (वोल्टास मेक) एसी प्लांट्स अंड लो साईड एचवीएसी सिस्टम इंकलूडिंग एएचयुस, कूलिंग टावर अंड चिल्लड अंड कंडेंसर वॉटर पंप्स अंड इट्स पायपिंग विथ असेसरीज़, ईटीसी. एट एटीएस कॉम्प्लेक्स, मुंबई ड्यूरींग 2021-22 टू 2022-23। (टेंडर आयडी : 2020_AAI_81652_1)"/" A.C.M.C. of 2 X 120 TR (Voltas Make) AC Plants and low side HVAC system including AHU's, Cooling Tower and Chilled & Condenser water pumps & its piping with accessories, etc. at ATS Complex, Mumbai during 2021-22 to 2022-23. (Tender ID: 2021_AAI_81652_1)"

संदर्भ : 1. आपका टेन्डर दिनांक 10.08.2021 को खोला गया।

Ref. : 1. Your tender opened on 10.08.2021.

महोदय / Dear Sir,

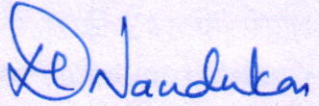
1. उपर उल्लेखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गये मद मूल्यों पर आपकी टेंडर राशि कुल **रु. 28,41,570.00 (रुपए अट्ठाईस लाख इकतालीस हजार पांच सौ सत्तर मात्र)** + जीएसटी अतिरिक्त समान लागू है, जो कि टेंडर की उचित लागत राशि **रु. 33,51,011.00 (जीएसटी छोड़कर)** से **15.20 % नीचे** है। वैध टैक्स इनवायस के प्रतिकूल जीएसटी अदा किया जाएगा। कृपया टैक्स इनवायस में महाराष्ट्र राज्य के लिए भाविप्रा जीएसटी क्र. **27एएसीए6412डी1झेड8** उद्धृत करना नही भूले।
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.28,41,570.00 (Rupees Twenty Eight Lakhs Forty One Thousand Five Hundred Seventy only)** + GST extra as applicable which is **15.20 % below** the estimated cost put to tender of **Rs. 33,51,011.00 (exclusive GST)**. GST will be paid against Valid Tax invoice. Please quote **AAI GST no.27AAACA6412D1Z8** for Maharashtra State in Tax Invoice.

2. सहायक महाप्रबंधक (अभि.वि.), भाविप्रा, ए.टि.एस.कॉम्प्लेक्स, मुंबई कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप आपकी ओर से एक विश्वसनीय प्रतिनिधि प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक **02.09.2021** तक सहायक महाप्रबंधक (अभि.वि.), भाविप्रा, ए.टि.एस.कॉम्प्लेक्स, मुंबई के कार्यालय में उपस्थित हो तथा करारनामे को पुरा करे। ठेके का करारनामा रु.100/- के नॉनज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा तथा पेपर का खर्च आपके द्वारा उठाया जाएगा।
2. Asstt.General Manager (Engg.-E.), AAI, ATS Complex, Mumbai 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 Asstt.General Manager (Engg.-E), AAI, ATS Complex, Mumbai by **02.09.2021** 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 **रु.0.00 (रूपए शून्य मात्र)** ठेके के दस्तावेज के जीसीसी - 2017 के धारा 1 (ए) पेज संख्या 16 के अनुसार जमानत राशि परिवर्तित कर दी गई है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशि की बकाया **रु.2,84,157.00 (रूपए दो लाख चौरासी हजार एक सौ सत्तावन मात्र)** अदा की जाए अन्यथा निविदा दस्तावेज के जीसीसी - 2017 के धारा 1 (ए) पेज संख्या 16 के अनुसार उक्त राशि उनके रनिंग बिल से कटौती की जाएगी।
3. The earnest money amount of **Rs.0.00 (Rupees Zero only)** received along with your tender will be treated and converted as part of security deposit as per Clause No. 1(A) of GCC – 2017 on page 16 of tender contract document. Please deposit **Rs.2,84,157.00 (Rupees Two Lakhs Eighty Four Thousand One Hundred Fifty Seven 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 Clause No. 1(A) of GCC – 2017 on page 16 of the contract document.
4. आपसे निवेदन है कि कार्य के बीमा की प्रत प्रस्तुत करना अनिवार्य है।
- 4 You are requested to submit copy of valid work insurance.
5. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केन्द्र तथा राज्य सरकार के न्युनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।
5. 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.

6. आपको निर्देश दिया जाता है कि आप तुरंत प्रबंधक (अभि.वि.), भाविप्रा, ए.टि.एस. कॉम्प्लेक्स, मुंबई से मिलें वह आपको साइट सौंपने की व्यवस्था करेंगे।
6. You are also directed to contact Manager (Engg.-E.), AAI, ATS Complex, Mumbai immediately who will arrange to hand over the site to you.
7. कृपया नोट कर लें कि काम करने का अनुमत समय **24 (चौबीस) महीने** है जोकि **24.08.2021** से **23.08.2023** तक गिना जाएगा।
7. Please note that the time allowed for carrying out the work is **24 (Twenty Four) months**, which shall be reckoned from **24.08.2021 to 23.08.2023**.
8. इस ठेके के संबंध में आगे का कोई भी पत्राचार सहायक महाप्रबंधक (अभि.वि.), भाविप्रा, ए.टि.एस. कॉम्प्लेक्स, मुंबई के पते पर किया जाए।
8. Any further correspondence in connection with the contract should normally be addressed to the Asstt. General Manager (Engg.-E.), AAI, ATS Complex, Mumbai.
9. उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे।
9. All the letters referred above shall form part of contract.
10. कृपया पावती भेजे।
10. Please acknowledge the receipt.
11. यदि अंग्रेजी और हिंदी पाठ में कोई अंतर पाया जाता है तो अंग्रेजी विवरण सही माना जायेगा।
11. If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.

धन्यवाद / Thanking You,

भवदीय / Yours faithfully,


23.08.2021

सहायक महाप्रबंधक (अभि.वि.),

Asstt. General Manager (Engg.-E.),

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.

सहायक महाप्रबंधक (अभि.वि.)
Asstt. Gen. Manager (Engg.-E.)
भारतीय विमानपत्तन प्राधिकरण, ए.टि.एस. कॉम्प्लेक्स
Airports Authority of India, A.T.S. Complex,
मुंबई/Mumbai - 400 099.

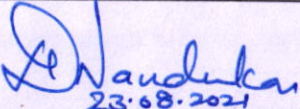
AIRPORTS AUTHORITY OF INDIA
ENGINEERING ELECTRICAL WING, ATS COMPLEX, MUMBAI - 400 099.

BILL OF QUANTITIES (B.O.Q.)

Name of Work: A.C.M.C. of 2 X 120 TR (Voltas Make) AC Plants and low side HVAC system including AHU's, Cooling Tower and Chilled & Condenser water pumps & its piping with accessories, etc. at ATS Complex, Mumbai during 2021-22 to 2022-23. (Tender ID: 2021_AAI_ 81652_1)

Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1.01	Annual Comprehensive Maintenance Contract of 2 X 120 TR Reciprocating AC Plants (Voltas Make No 5 H 120) along with Electrical starter panels i/c replacing of necessary spare parts as & when required, carrying out routine-preventive & breakdown maintenance, monthly servicing, descaling of Condenser lines once in a year etc complete as required as per Special conditions and Schedule of Maintenance. a) First Year	Month	12	26250.00	315000.00
1.02	Annual Comprehensive Maintenance Contract of 2 X 120 TR Reciprocating AC Plants (Voltas Make No 5 H 120) along with Electrical starter panels i/c replacing of necessary spare parts as & when required, carrying out routine-preventive & breakdown maintenance, monthly servicing, descaling of Condenser lines once in a year etc complete as required as per Special conditions and Schedule of Maintenance. b) Second Year	Month	12	26250.00	315000.00
2.01	Annual Comprehensive Maintenance Contract of Low side of the HVAC system including (i) Air Handling units system containing different capacity of AHU's (total 29 AHUS with total CFM capacity of 349000 CFM), with air distribution ducting system & chilled water distribution piping system & its parts including valves, strainers, Electrical panels, VFD, starter Panels, Cabling, wiring. AHU Motor i/c rewinding, replacement of all type of (Shaft / Blocks) bearings, alignment, fabrication, replacing of necessary spare parts. (ii) Chilled water Pumping system (02 x 50 HP + 03 x 20 HP) and condenser water pumping system (04 x 25 HP) consists of pump motor sets, starter panels, piping with component and other accessories i/c Motor rewinding, pump overhauling, replacement of bearings, panel contactors, bushes, single phase preventers, relays, fuses, timers, TPN/MCBs, connectors, necessary wiring, gland rope, replacing of necessary spare parts, connecting piping with its parts including valves & strainers. (iii) 2 X 500 TR Cooling Tower along with total 04 nos. 10 HP motor and accessories with fan motor sets and VFD starter control panel i/c Motor rewinding, replacement of bearings, fan mechanism over hauling, replacing of necessary spare parts, connecting piping with its parts including valves & strainers. For all above installation it is required to carryout routine-preventive & breakdown maintenance, servicing and repairing etc complete as required as per Special Conditions & Schedule of Maintenance, site requirement and direction of Engineer In charge. a) First Year	Month	12	17300.00	207600.00

Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
2.02	Annual Comprehensive Maintenance Contract of Low side of the HVAC system including (i) Air Handling units system containing different capacity of AHU's (total 29 AHUS with total CFM capacity of 349000 CFM), with air distribution ducting system & chilled water distribution piping system & its parts including valves, strainers, Electrical panels, VFD, starter Panels, Cabling, wiring. AHU Motor i/c rewinding, replacement of all type of (Shaft / Blocks) bearings, alignment, fabrication, replacing of necessary spare parts. (ii) Chilled water Pumping system (02 x 50 HP + 03 x 20 HP) and condenser water pumping system (04 x 25 HP) consists of pump motor sets, starter panels, piping with component and other accessories i/c Motor rewinding, pump overhauling, replacement of bearings, panel contactors, bushes, single phase preventers, relays, fuses, timers, TPN/MCBs, connectors, necessary wiring, gland rope, replacing of necessary spare parts, connecting piping with its parts including valves & strainers. (iii) 2 X 500 TR Cooling Tower along with total 04 nos. 10 HP motor and accessories with fan motor sets and VFD starter control panel i/c Motor rewinding, replacement of bearings, fan mechanism over hauling, replacing of necessary spare parts, connecting piping with its parts including valves & strainers. For all above installation it is required to carryout routine-preventive & breakdown maintenance, servicing and repairing etc complete as required as per Special Conditions & Schedule of Maintenance, site requirement and direction of Engineer In charge. b) Second Year	Month	12	17300.00	207600.00
3.00	Repairing of the existing fire damper system, work includes required wiring, replacement of the components etc complete as required as per the site condition and direction of the engineer in charge	Job	29	3000.00	87000.00
4.00	Repairing of the AHU door interlocking system safety system, including required wiring and switchgears so that AHU get automatic shutdown/cannot operate and AHU inside light shall illuminated during door opening , complete as required to makes per the site conditions and direction of engineer in charge.	Job	29	2200.00	63800.00
5.00	Supply installation of the 50mm synthetic type air pre filter, washable type with aluminum side support frame and internal reinforcement bars for providing strengthening. It can be suitable with existing ZECO make AHU and it easily removable type for cleaning/maintenance activities. It shall have the efficiency of 90% down to 10 micron particle size. Complete as requires as per the site conditions and direction of engineer in charge.	Sq.Mtr.	60	1700.00	102000.00
6.00	AHU Duct cleaning by robotic means with required duct cleaning arms and other associated accessories for proper cleaning and removing of the dust and other accumulated materials in the air conditioning duct of various sizes, robotic cleaning machine shall be such that it cleared removed dust during the process from duct by means of vacuum cleaner or such mechanism. Work also includes, making opening of the duct for entry of robotic cleaner and associated accessories and refixing of the opening made for entry after work with finishing. Duct cleaning shall be carried out in co-ordination with planned shut down available for those areas in coordination with user department and other agencies. Live videography of same shall be shown for before cleaning, during cleaning and after cleaning, recording of the same shall be provided in 3 set of CD/DVD and 1 nos Pen drive. All works shall be carried out as per the site conditions and direction of engineer in charge. (Electricity will be provided free of cost, However, required connection with proper safety gears to be arranged by agency. Agency is advised to visit the site before quotation)	CFM	349000	0.65	226850.00
7.00	Lifting & Lowering of the 5 HP Pump Motor Set, works includes removing & refitting of GI Pipe & its couplings, dismantling of pump motor set and refixing of the same after service/repair, complete as required as per the site conditions and direction of Engineer in charge.	Job	6	2670.00	16020.00
8.00	Rewinding and servicing of the 5 HP bore well pump motor set, work includes to & fro transportation of the pump motor sets from site to work shop and back, replacement of bush & bearing etc, servicing of the pump motor set etc complete as required as per the direction of engineer in charge. (6 month guarantee of the pump motor sets after repair, any defect or problem shall be rectified free of cost including lifting & lowering)	Job	4	2675.00	10700.00

Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
9.00	Painting of existing electrical panels, feeder pillar boxes, DB's, and other electrical installations etc with one or more coats of synthetic enamel paint of approved colour by spray painting , including cleaning the rusted area , providing the mask to meters, handles , etc. and writing the required information on panel with paint etc complete as required as per the direction of Engineer in charge. as required.	Sq.Mtr.	100	325.00	32500.00
10.00	Provision of multifunction VAF (Voltage, Ampere, Frequency) meter (size 96x96mm, depth 55mm) in the existing panel including supply of meter, appropriate capacity CT and connection wiring, making necessary opening in the existing panel by cutting etc, installation testing & commissioning of meter including SITC of control 2A MCB and its wiring with 2.5 Sq mm FRLS wire with proper tag & ferrules, wire cashing hose, cable tie, any other accessories, parts if any requires, complete testing commissioning as required as per the direction of engineer in charge & site conditions. All materials should be as per the approved make list.	Job	10	1250.00	12500.00
11.00	Providing of services for maintaining & updating of technical documents, reports, registers including typing of estimates, letters on computers and other documentation & clerical works on day to day basis by engaging of 01 no. Computer Operator (shall have graduation with minimum of two years of work experience with sound computer skills specifically in MS office) in Engineering Electrical Department at ATS complex as specified in the Special condition of contract and as per the direction of Engineer in charge & his authorized representative on all days excluding Sundays & gazetted holidays. (Payment shall be made as per the Minimum wages as decide by the Government authorities from time to time, As on date rates of Minimum wages per day is Rs.853/- , any difference in the in the minimum wages as circulated by Government authorities from time to time shall have to be complied by agency. Payment for difference of wages will be made as per actual. In addition to the normal wages an extra allowance of Rs.2000/- per month needs to be paid to the computer operator.	Month	24	30000.00	720000.00
12.00	Carrying out the works for items covered in Delhi Schedule of Rates (DSR Electrical) 2018 (E&M) published by CPWD as per General Specification for HVAC works 2004 and other specification of electrical works with amendments as on date for an amount of Rs. 5,00,000.00 as required. Agency should be mentioned % above or below of the rates of DSR 2018 in Rate column. NOTE: EXAMPLE FOR QUOTING RATES BELOW 5% OF DSR ITEM RATES, CONTRACTOR SHOULD QUOTE 0.95 IN RATE COLUMN AND FOR QUOTING RATES ABOVE 5% OF DSR ITEM RATES, CONTRACTOR SHOULD QUOTE 1.05 IN RATE COLUMN.	Job	500000	1.05	525000.00
				Total Rs.	2841570.00
				(+) plus GST extra as applicable	
(Total Rupees: Twenty Eight Lakhs Forty One Thousand Five Hundred Seventy only (+) plus GST Extra as applicable)					
सहायक महाप्रबन्धक (अर्थिक विभाग) Asstt. Gen. Manager आरक्षण विमानपत्तन प्राधिकरण, ए Airports Authority of India, A  23.08.2021 Asstt.General Manager (Engg.-Elect.) A.A.I.,ATS Complex, Mumbai - 400 099.					