



Ref. No. :- AAI/EMD-III/MODIFICATION OF AEROBRIDGE/22-23/437

Date :- 07.11.2022

प्रति,

M/s Voltas Limited,
Godrej Waterside Tower-2, 8th Floor,
Unit No.- 805, Plot No.- 5, Block DP,
Sector-V, Salt Lake,
Kolkata - 700091.

Ph : +91-33-66266355 / 234
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Email: subhrojyotidutta@voltas.com

- कार्य का नाम : **Modification of cooling arrangement & illumination inside fixed fingers of Aerobridges at NSCBI Airport, Kolkata.**
- संदर्भ : 1. Your Tender opened on dated 16.08.2022.
2. Your financial bid opened on dated 13.09.2022

महोदय/ Dear Sir(s),

- 1) ऊपर उल्लिखित कार्य हेतु आपका ई-टेंडर (निविदा क्रमांक: 2022_AAI_120390_1) के लिए, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार किया जाता है, आपके द्वारा बताये गए मद् मूल्य पर आपकी ई-टेंडर राशि रुपये 2,74,88,298.00 (जीएसटी को छोड़कर) (केवल दो करोड़ चौहत्तर लाख अठासी हजार दो सौ अठानवे रुपए) के लिए स्वीकृत किया जाता है। जो टेंडर की अनुमानित लागत राशि रुपये 4,26,75,780.00 (जीएसटी को छोड़कर) से 35.59% कम है।

Your e-tender (tender Id.: 2022_AAI_120390_1) for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs. 2,74,88,298.00 (Excluding GST) (Rupees Two Crore Seventy Four Lakh Eighty Eight Thousand Two Hundred Ninety Eight only) which is 35.59% below the estimated cost of Rs. 4,26,75,780.00 (Excluding GST) put to tender.

- 2) संयुक्त महाप्रबंधक (अभि - वि), एन.एस.सी.बी.आई एयरपोर्ट, कोलकाता कार्य के प्रभारी अभियंता होंगे। आप से निवेदन है कि आप आपकी ओर से एक विश्वासनीय प्रतिनिधि प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह इस पत्र के 10 दिन के अंदर तक संयुक्त महाप्रबंधक (अभि - वि), एन.एस.सी.बी.आई एयरपोर्ट, कोलकाता के कार्यालय में उपस्थित हो तथा करारनामे को पूरा करे। ठेके का करारनामा रुपये 100.00 (केवल एक सौ रुपये) के नॉन ज्यूडीशियल स्टॉप पेपर पर निष्पादित किया जाएगा तथा करारनामा खर्च आपके द्वारा वहन की जाएगी।

Jt. General Manager (Engg. – Elect.), AAI, NSCBI Airport, Kolkata shall be Engineer in charge of the work. You are requested to attend the office of Jt. General Manager (Engg. – Elect.), AAI, NSCBI Airport, Kolkata within 10 days from the date of issue of this award letter to sign and complete the contract agreement. The contract agreement shall be executed on non-judicial stamp paper of Rs.100.00 (Rupees one hundred only) and cost of the stamp paper shall be borne by you.

- 3) आपसे अनुरोध किया जाता है कि आप रुपये 27,48,830.00 (केवल सत्ताईस लाख अड़तालीस हजार आठ सौ तीस रुपए) केवल जमानत राशि की ओर एवं एं.ए.आई. प्रोफार्मा के अनुसार बैंक गारंटी के रूप में और इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशि बकाया राशि जमा करे अन्यथा निविदा दस्तावेज के अनुसार उक्त राशि की रनिंग बिल से कटौती की जाएगी एवं दोषपूर्ण देयता अवधि के पूरा होने के बाद वही जारी किया जाएगा। बैंक गारंटी का प्रारूप अनुबंध समझौते के GCC में उपलब्ध है।



Please deposit **Rs. 27,48,830.00 (Rupees Twenty Seven Lakh Forty Eight Thousand Eight Hundred Thirty only)** towards security deposit in the form of Bank Guarantee as per AAI proforma and in compliance to relevant clause of GCC within 10 days from the date of issue of this letter, failing which the same shall be deducted from the running bill and same will be release after completion of Defect Liability Period. The format of Bank Guarantee is available in the GCC of the contract agreement.

- 4) आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियमों 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिकों (रोजगार और सेवा की स्थिति का विनियमन) के प्रावधान का पालन करें। अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 जैसा कि केंद्र और राज्य सरकार के नियमों और नियमों के खंड में निर्दिष्ट है।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation & Abolition) Central rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers welfare cess Act 1996 as specified in Clause of tender and rules of Central and State Government.

- 5) आपको निर्देश दिया जाता है कि आप सहायक महाप्रबंधक (अभि - बि) तथा सहायक प्रबंधक (अभि - बि) एन.एस.सी.बी.आई एयरपोर्ट कोलकाता - 52 पर मिले जो आपको साइट सौंपने की व्यवस्था करेगा।

You are also directed to contact Asst. General Manager (Engg.-Elect.), & Asstt. Mgr. (Engg-Elect) AAI, NSCBI Airport, Kolkata - 52 who will arrange to hand over the site to you.

- 6) कृपया ध्यान दें कि कार्य को करने के लिए अनुमत समय 06 महीने है जो कार्य आदेश के जारी करने के दसवे दिन से गिना जायेगा।

Please note that the time allowed for carrying out the work shall be **06 Months** which shall be reckoned from the 10th day after issue of this letter of award of work.

- 7) काम की दोष दायित्व अवधि सफलता पूर्वक कार्य समाप्ति के बारह (12) महीने बाद की होगी।

The defect liability period of the work shall be **Twelve (12) months** from the date of successful completion of the work.

- 8) अनुबंध के संबंध में आगे कोई पत्राचार आम तौर पर प्रभारी अभियंता के पते पर किया जायेगा।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.

- 9) कृपया पावती भेजे तथा इस पत्र की डुप्लिकेट प्रतिलिपि स्वीकृति के एक टोकन के रूप में अधिसूचना में हस्ताक्षर करने के बाद इस के साथ संलग्न करें।

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.

[Signature]
07/11/2022

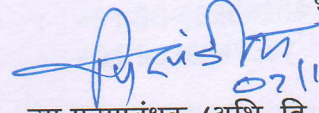


10) अन्य सभी नियम और शर्तें एनआईटी के अनुसार होंगी।

All other terms and conditions shall be as per NIT.

Thanking you,

Encl: Schedule of work.

भवदीय,

07/11/2022

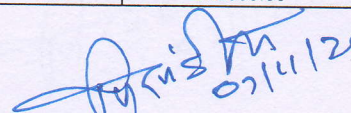
उप महाप्रबंधक (अभि-वि.) III
एन०एस०सी०बी०आई हवाई अड्डा कोलकाता
के लिए और अध्यक्ष०
भारतीय विमान पत्तन प्राधिकरण के तरफ से

SCHEDULE OF WORK

Name of Work:-Modification of cooling arrangement & illumination inside fixed fingers of aerobridges at NSCB Airport, Kolkata.

Tender ID: 2022_AA1_120390_1

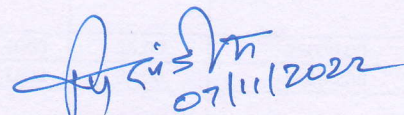
Sl.No	Description of Items	Unit	Qty	Rate	Amount
	SH-I : SITC of Air Conditioning works				
1	Supply, Installation, testing and Commissioning of four way chilled water cassette Fan Coil unit with 2 row deep chilled water cooling coil, inbuilt drain pump and wireless remote control complete with all necessary valve arrangement i.e. Ball valve with strainer, Ball valve with out strainer and control valve with acuator and thermostat.				
a)	3.0 TR, 1200 CFM	Nos.	216	55837.00	12060792.00
b)	Valve station consist of on-off Ball valve set with strainer and without strainer of 3/4" x 5/8" size and with 2way on-off valve of 25mm and Copper tubing of 5/8" size duly insulated fitted with necessary fittings of suitable size. VS-101 valve station can be used for 2.5 to 4ton capacity Cassette Fan coil unit.	Nos.	216	614.00	132624.00
2	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building/masonry ducts (with necessary clamps, vibration isolators, bends, reducers, tees, supports, flow indicators etc fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / m3 density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note:- The Pipes of sizes 150 mm & below shall be M.S. 'C' class as per IS : 1239. (Thickness of the nitrile insulation shall be 32 mm).				
a)	200 mm Dia	RM	100	150.00	15000.00
b)	150 mm Dia	RM	200	145.00	29000.00
c)	100 mm Dia	RM	300	140.00	42000.00
d)	80mm Dia	RM	1200	1258.00	1509600.00
e)	65mm Dia	RM	800	1031.00	824800.00
f)	40mm Dia	RM	500	50.00	25000.00
g)	32mm Dia	RM	900	45.00	40500.00
3	Supply and installation of CPVC Drain Pipe with 9mm thick class O fire rated nitrile rubber insulation of following dia.				
i	25mm Dia	RM	1000	25.00	25000.00
ii	40mm Dia	RM	1800	30.00	54000.00
4	Supply, fixing, testing and commissioning of following valves, strainers, etc. duly insulated with same specifications as that of connected piping complete with companion flanges, nuts, bolts, gaskets, adequate support etc. as specified.				
a	BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot water circulation as specified				
i	200 mm	Nos.	10	300.00	3000.00
ii	150 mm	Nos.	10	250.00	2500.00
iii	100 mm	Nos.	40	200.00	8000.00
iv	80mm	Nos.	40	150.00	6000.00
v	65 mm	Nos.	25	140.00	3500.00
5	Steel work in M.S. Tubular section /M.S. Square section /M.S. Plates i/c cutting to required length welding & fixing the members to RCC/Brick structure/Pre-fabricated structure with anchor fastners as per releavent drawing and direction by the Engg. -in-Charge i/c application of one coat epoxy primer on exposed surfacess.(75 micron thick) and Polyurethane Painting of 75 micron DFT	KG	500	138.00	69000.00
6	Supplying, laying,testing & commissioning of the following sizes of 1.1 KV armoured PVC insulated flexible copper conductor cables conforming to relevant latest amended Indian Standards laid over MS supports including clamping the cables to supports in an approved manner as required complete with all accessories.				
	3C x 2.5 sq.mm Flexible copper cable	RMT	18000	9.00	162000.00


 07/11/2022

7	Supply, Installation, testing , balancing and Commissioning of the following items as per approved working drawings, specifications and requirement.				
	G.S.S square/ rectangular factory fabricated ducting complete with gaskets, elbows, splitters, vanes, supports etc. as per drawings and as required for air distribution.				
a	18 gauge	SqM	20	300.00	6000.00
b	20 gauge	SqM	20	250.00	5000.00
c	22 gauge	SqM	10	200.00	2000.00
8	Supplying and fixing of following thickness 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				
	25 mm thickness	SqM	50	120.00	6000.00
9	Dismantling of existing Cassette units inside the Aerobridges including dismantling the existing CHW and Drain pipes, Ducts, Diffusers etc. and shifting the same to AAI dismantle store/ garbage pit as required i/c dismantling all civil materials such as ACP/false ceiling etc. for carrying out the erection work as required or as per instruction of EIC. **Refixing Work with ACP sheets around AC units is considered in Item No.3 of SH-II. Note: Each Job is for One Aerobridge and Each Aerobridge has 8-10 Cassette Units in the existing system.	JOB	18	1229.00	22122.00
10	Supply, installation, testing and commissioning following Power Plug-socket and switch along with suitable modular box ,modular base and cover plate for Chilled Water Cassette units.				
	16 Amps	NOS	216	100.00	21600.00
11	Supplying, laying,testing & commissioning of the following size of cable tray conforming to relevant latest amended Indian Standards laid over MS supports including clamping the cable trays to supports in an approved manner as required complete with all accessories.				
	Cable tray 150mmx50mmx1.6mm	Mtr	1000	464.00	464000.00
Sub Total of SH -I : SITC of Air Conditioning works in (Rs.)					15539038.00
SH-II : Electrical Works					
1	Supply, Installation, Testing & Commissioning of 21 to 25W RECESS MOUNTING DOWNLIGHTER having minimum system Lumen output of 1900 lumen or more, White powder coated, elegantly designed pressure die-cast aluminium heat sink for efficient heat dissipation & white finish polycarbonate ring for holding the diffuser, Mirror finish anodized reflector with facets for uniform light distribution, High efficiency long life SMD LED module, Powered by integral SMPS based constant current electronic driver with lower THD, Output Short Circuit Protection, Surge Voltage Protection and other safety tests as latest as IS specification & fixing suitably into false ceiling by 2 nos. of SS springs / clips including connections with 1.5 sq. mm single core FRLS PVC insulated copper flexible cable and earthing etc. complete as required.	Each	900	1551.00	1395900.00
2	Dismantling of 2 x 18W T5 LED 4ft long conventional FTL from the false ceiling of aero bridge at Terminal-2 and other locations as required, taking adequate safety measures including transporting and storing the dismantled fixtures at AAI store complete as required.	Each	450	20.00	9000.00
3	Providing, fabricating, fixing of 4mm thick Aluminium Composite Panel of approved make and shade comprising of both side skin of 0.50mm thick aluminium alloy sheet of grade A303 at required location on existing frames including cutting the grooves and finishing with silicon sealant all complete as where as required as per direction of engineer-in-charge.	Sq.ft.	25000	369.00	9225000.00

Handwritten signature and date:
07/11/2022

4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
	(a) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	3600	55.00	198000.00
5	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium conductor power cable conforming to IS 7098 (Part 1) amended upto date.				
	(a) 4C X 35 Sq.mm	Mtr	4000	243.00	972000.00
6	Laying and fixing of one number PVC insulated PVC sheathed / XLPE power cable of 1.1 KV grade of following sizes on wall / surface as required.				
	(a) Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr	500	37.00	18500.00
7	Laying and fixing of one number PVC insulated PVC sheathed / XLPE power cable of 1.1 KV grade of following sizes on cable tray as required.				
	(a) Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr	3500	31.00	108500.00
8	Supplying and making indoor cable end termination with brass compression gland and aluminium lugs for following size of PVC insulated PVC sheathed/ XLPE aluminium conductor cable of 1.1 kV grade as required.				
	(a) 4 X 35 sq. mm (32mm)	Each	20	1118.00	22360.00
Sub Total of SH -II : Electrical Works in (Rs.)					11949260.00
Sub Total of SH -I : SITC of Air Conditioning works in (Rs.)					15539038.00
Sub Total of SH -II : Electrical Works in (Rs.)					11949260.00
Total of SH-I & SH -II in (Rs.)(excluding GST)					27488298.00


 07/11/2022
 S. Pimplapure
 DGM(E-E)-III