



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ संख्या :

Ref. No. : AAI/RHQ/NER/AGM (E-E)/TEZ/WO- 04/2021-22/

दिनांक :

Date. : 18.01.2022.....

सेवा में /To,

M/s HRI ASSOCIATES,

F-32, Sector-10, Raj Nagar,

Ghaziabad 201002

E-mail : hriassociates8@gmail.com,

Ph. No: 8595824276

विषय: “तेजपुर हवाई अड्डे पर वीसीबी के साथ 11 केवी एचटी पैनल का प्रतिस्थापन”।

Sub: “Replacement of 11KV HT Panel along with VCB at Tezpur Airport”

रेफरी: ई-Bid. **2021_AAI_98531_1** आपकी कीमत बोली 10.01.2022 को खोली गई।

Ref: E-Bid no. **2021_AAI_98531_1**, your price bid opened on 10.01.2022.

महाशय/Dear Sir(s),

1. ऊपर उल्लिखित कार्य के लिए आपका टेंडर, अध्यक्ष, एएआई द्वारा उद्धृत आइटम दरों पर, **₹ 13,97,750/- (रुपए तेरह लाख सतानवे हजार सात सौ पचास केवल)** की राशि के लिए स्वीकार किया जाता है। जो GST को छोड़कर है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, AAI at the item rates quoted by you, for an amount of **Rs. 13,97,750/- (Rupees Thirteen Lakhs Ninety Seven Thousand Seven Hundred Fifty Only)** Excluding GST.

2. उप. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, एनईआर, गुवाहाटी - 781015 कार्य के इंजीनियर-इन-चार्ज हैं, और सहा. महाप्रबंधक (अभि-विद्युत), भा.वि.प्र., क्षेत्रीय मुख्यालय, उ.पू.क्षे गुवाहाटी-15, उनके अधिकृत प्रतिनिधि होंगे। आपसे अनुरोध है कि आप उप. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आर एच क्यू-उत्तर पूर्वी क्षेत्र, गुवाहाटी - 781015 के कार्यालय में अपनी ओर से हस्ताक्षर करने के लिए अधिकार प्राप्त प्रतिनिधि को अनुबंधित समझौते पुर्न करने के लिए 28.01.2022 तक तैनात करें। करार अनुबंध को ₹ 100/- के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा। और स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।

Contd...2/-

(Signature)
18/01/2022

The Dy. General Manager (E-E), Airports Authority of India, RHQ, NER, Guwahati - 781015 is the Engineer-In-Charge of the work and Asstt. General Manager (E-E), AAI, RHQ, NER, Ghy-15 will be his authorized representative. You are requested to depute your accredited representative empowered to sign the contract agreement on your behalf to attend the office of the Dy. General Manager (E-E), Airports Authority of India, RHQ, NER, Guwahati - 781015 by **28.01.2022** to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Hundred Only) and the cost of the stamp paper shall be borne by you.

3. कृपया इस पत्र के जारी होने के 10 दिन में सुरक्षा जमा के लिए रु. **1,39,775/- (रुपए एक लाख उनतालीस हजार सात सौ पचहत्तर केवल)** जमा करा दें, ऐसा नहीं करने पर संविदा दस्तावेज के पृष्ठ 16 पर दी गई खण्ड 1 (A) के अनुसार आपके रनिंग बिल से काट दी जाएगी।

Please deposit **Rs. 1,39,775/-** (Rupees One Lakhs Thirty Nine Thousand Seven Hundred Seventy Five 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 bills as per Tender **Clause-1 (A)** on page 16 of the contract document.

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम, 1971 और न्यूनतम मजदूरी अधिनियम और नियम केंद्र / राज्य सरकारों के प्रावधानों का पालन करें।

You are requested to comply with the provisions of contract labour (Regulation & Abolition) Act of 1970 and contract labour (Regulation & Abolition) Central Rules, 1971 & Minimum Wages Act and Rules there of Central/ State Governments.

5. आपको सहा. महा प्रबंधक (अभि-विद्युत), भा.वि.प्र., क्षेत्रीय मुख्यालय, उ.पू.क्षे गुवाहाटी-15, से तुरंत संपर्क करने के लिए निर्देशित दिया जाता है जो आपको साइट सौंपने की व्यवस्था करेगा। कृपया ध्यान दें कि कार्य पूरा होने के लिए अनुमत समय **(03) तीन महीना** है जिसे इस पत्र की जारी होने की तारीख से 10 दिन गिना जाएगा।

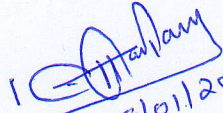
You are also directed to contact the Asstt. General Manager (E-E), AAI, RHQ, NER, Ghy-15, immediately who will arrange to handover the site to you. Please note that the time allowed for completion of the work is **(03) Three Months** days which shall be reckoned from 10th day from the issue of this letter.

6. इस काम के लिए आपकी निविदा इस पी. ओ. पत्र के साथ समझौते का हिस्सा बन जाएगी। अन्य सभी नियम एवं शर्तें एनआईटी के अनुसार होंगी।

Your tender for this work shall form part of the agreement along with this award letter. All other terms & conditions shall be as per NIT.

7. अनुबंध के संबंध में आगे कोई पत्राचार आम तौर पर उप. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, क्षेत्रीय मुख्यालय, उ.पू.क्षे, गुवाहाटी - 781015 को संबोधित किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Dy. General Manager (E-E), AAI, RHQ, NER, Guwahati Airport - 781015.


18/01/2022

Contd... 3/-

8. कृपया पीओ की प्राप्ति की पावती दें। और इस पीओ की डुप्लीकेट कॉपी को आपकी स्वीकृति के टोकन के रूप में आपके द्वारा विधिवत हस्ताक्षरित और मुहर लगा कर लौटा दें।/ Please acknowledge the receipt and return the duplicate copy of this order duly signed & stamped by you as a token of your acceptance.

9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी ।

In case any discrepancy is found, then English version will be taken as correct.

धन्यवाद/Thanking you,

Yours faithfully

(कैशिंग होनपम)/(Keishing Honpam)

सहायक. सहायक महाप्रबंधक (अभि-विद्युत)

Asst.. General Manager (E-E)

कृते अध्यक्ष की ओर से,

For and on behalf of CHAIRMAN

भा.वि.प्र., क्षेत्रीय मुख्यालय, उ.पू.क्षे गुवाहाटी-15

AAI, RHQ, NER, Guwahati-15

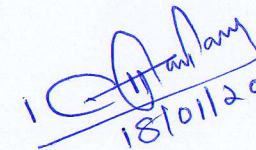
अनुलग्नक: मात्रा का बिल / Encl: Schedule of Quantities.

Schedule of Quantities

Name of Work: Replacement of 11KV HT panel along with VCB at Tezpur Airport.

Tender Id: 2021_AAI_98531_1

Sl. No	Item No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1	1	11KV FOUR Nos. VCB HT PANEL BOARD. Supply, Installation, Testing & Commissioning of indoor type (IP 4X) floor mounted metal clad, 11 kV Switch Board VCB panel with 04 Nos. VCBs, totally enclosed & fully interlocked, truck mounting, horizontal draw out, horizontal isolation type vacuum breaker as per IS13118 /IEC 62271-100 (2007) for breakers & 200 (2003),for panels /IS3427 as amended up to date, having capacities as mentioned below, free standing extensible on both sides, single break, trip free mechanism, motorised charged and auto/ manually closing breaker suitable for use on 11 KV, 3 Phase, 50Hz A.C. supply with short circuit fault level of 500 MVA, complete with self contained short time current 26.3 kA for 3 sec, Internal Arc Test for AFLR 26.3 kA for 1 sec at individual compartments i.e busbar, VCB, and cable compartment, rack in and rack out mechanism, air insulated but encapsulated copper bus bars capacity meeting fault level current , DC power pack, breaker featured with mechanical ON/ OFF indicator with hand trip device, Breaker control TNC switch and all accessories such as shunt trip coil, and auxiliary switch of 4NO+4NC (as per requirement but minimum 4Nos. for each switch), motorised and manually operated spring assisted closing mechanism, emergency trip push button, interconnections, space heaters, earthing, etc. and equipped with following switchgears and accessories, connections suitable for cable upto 3C x 120 sqmm XLPE cable of 11 KV grade (cable entry from bottom), Separate earthing switch shall be provided for Cable earthing. The earthing truck shall be so designed that it is impossible to earth a live system. cable terminations suitable for 3C x 120 sq.mm. XLPE 11 kV cable. The HT panel will be fitted complete with all the following required accessories.	1	Job	1250000.00	1250000.00


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Sl. No	Item No.	Description of Work / Item(s)	No. of Qty	Units	Rate	Amount
2		Item No. 1) A. Incomer -2 Nos, Each consisting of following; (i) 1 No. of 630 Amp ,11 KV, 3 Ph, 3P VCB. (ii) 1Set- LED indication lamp for R,Y,B breaker, ON-OFF-TRIP, Trip Circuit Healthy, Spring Charged, DC Supply Healthy fails etc. (iii) 1 No - Multifunction Meter with accuracy class 0.5 LED display of I ,V, Hz, Active, Reactive , Apparent Power & Energy, Power factor, % THD , Maximum demand load, (complying with IEC61557-12) with RS 485 & Ethernet port and protection MCB and required accessories to complete the system. (iv) 3 No. Cast resin drawout type PTs 11 kV / $\sqrt{3}$ / 110 $\sqrt{3}$, class 0.5,100 VA burden including HT HRC fuse on 11 kV Side and MCBs on secondary side protction. (v) 3 No. Cast resin insulated Dual core dual ratio 3 CTs 30-60/5-5A of 15VA burden and accuracy Class -0.5 for metering and class 5P10 for protection. (vi) 1 Set of each relay: Aux. relays for Anti Pumping & indication. Trip Circuit supervision relay '-Master Trip Circuit Relay (vii) 3 Nos. of over current & short circuit 51,51N & one earth fault element with numerical IDMT relay with shunt trip on 24volts DC, on RS 485 modbus communication consisting 2 element over current relay and earth fault with last 15 trip history, Over & under voltage, Over & under frequency. (viii) 1 Set of Earth Switch Item No. 1) B. Busbar 630 amps TP,12 KV Copper Bus bar with heat shrinkable insulated sleeves with cast epoxy insulator to withstand full short circuit currents upto 26.3 kA for 3 second.				

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Sl. No	Item No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
3		Item No. 1) C. Outgoings 2 Nos, each consisting of following; (i) 1 No. 630 Amp., 11kV VCB, (ii) 1 Set- LED indication lamp for R,Y,B breaker, ON-OFF-TRIP, Trip Circuit Healthy, Spring Charged, DC Supply Healthy fails etc. (iii) 1 Set of each relay: Aux. relays for Anti Pumping & indication. Trip Circuit supervision relay - Master Trip Circuit Relay Aux. relays for Transformer WTI alarm trip & Hooter. (iv) 3 Nos. of over current & short circuit 51,51N & one earth fault element with numerical IDMT relay with shunt trip on 24volts DC, on RS 485 modbus communication consisting 2 element over current relay and earth fault with last 15 trip history, and 1 Nos of Master trip relays. (v) 1 No - Multifunction Meter with LED display of I ,V, Hz, Active, Reactive , Apparent Power & Energy, Power factor, %THD , Maximum demand, (complying with IEC61557-12) with RS 485 & Ethernet port and protection MCB and required accessories to complete the system. (vi) 3 No. Cast resin insulated Dual core dual ratio 3 CTs 30-60/5-5A of 15VA burden and accuracy Class -0.5 for metering and class 5P10 for protection. (vii) Alarm annunciator with 8 windows and buzzer, ACK, rest, test push button for transformer faults and electrical faults in respective window. (vii) 1 Set of Earth Switch Item No. 1) D. All I/C & O/G Breaker have following Accessories & indication: 6A fuse / MCB for spring charge DC Control Supply healthy & fails Surge Arrestor shall be provided, AC Supply control ON/OFF Switch, Circuit breaker failure Alarm indication, VCB spring charge indication, 18 watt LED Illumination lamp, ON / OFF with limit Switch, T-N-C (Trip, Neutral, Close) breaker control switch with indication arrangement. All control wiring with protection & test terminal block as required. Emergency trip push button 2 amp fuse / MCB for lamp 60 watts space heater with thermostat 16 amp fuse/MCB for space heater and plug point, 6/16 amps 5 Pin with piano type switch socket outlet.				

10/01/2022
18/01/2022

Sl. No	Item No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
4	2	Dismantling of existing floor mounted metal clad, 11 kV Switch Board OCB panel with 04 Nos. including all accessories, end terminations of HT/LT/Control, incoming and outgoing HT/LT/Control cables, necessary co-ordination with APDCL/stakeholders and Taking shutdown, shifting/storing the dismantled items to AAI stores etc as required.	1	Job	15000.00	15000.00
5	3	Supply of following sizes of XLPE insulated PVC sheathed aluminium conductor armoured power cable of 11 kV grade (11 kV- Earthed) conforming to IS: 7098 (Part-II) amended upto date. 3 Core, 120 Sq.mm.	100	Mtr	925.00	92500.00
6	4	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE Aluminium conductor cable of 11 kV grade as required. 3 Core, 120 Sq.mm.	4	Nos	9500.00	38000.00
7	5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 kV grade of following size in the existing masonry open duct as required. Upto 120 sq. mm	20	Mtr	55.00	1100.00
8	6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 120 sq. mm	10	Mtr	115.00	1150.00
Total.						1,397,750.00

(Rupees Thirteen Lakhs Ninety Seven Thousand Seven Hundred Fifty Only)


 18/01/2022
 (Keishing Honpam)
 Asst. General Manager (E-E)
 AAI, RHQ, NER, Guwahati-15