



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

सं.सं. भाविप्रा/लीलाबाडी/स.म.प्र.(अभि.-वि.)/का.आ.-02/2022-23

दिनांक: 17.06.2022

Ref. No: AAI/LBR/AGM (E-E)/WO-02/2022-23/ 415-424

Dt. 17.06.2022

मेसर्स अवस्थी इलेक्ट्रिक वर्क्स,
107/265, ब्रह्मा नगर,
कानपुर-208012,
ई-मेल: aewknp@gmail.com

M/s. Awasthi Electric Works,
107/265, Brahma Nagar,
Kanpur-208012
E-Mail: aewknp@gmail.com

विषय :- "अपग्रेडेशन आफ़ सबस्टेशन एट लीलाबाडी एयरपोर्ट इन्क्लुडिंग रिप्लेसमेंट आफ़ ओ.सी.बी विद लेटेस्ट टेक्नोलॉजी सर्किट ब्रेकर"

Subject: "Upgradation of substation at Lilabari Airport including replacement of OCB with latest technology circuit breaker".

संदर्भ: 1) दिनांक 06.06.2022 को खोली गई आपकी निविदा क्रमांक 2022_AAI_113562_1

Ref.: 1) Your E-Tender No. 2022_AAI_113562_1 financial bid opened on 06.06.2022

महोदय/Dear Sir,

- 1- उल्लेखित कार्य हेतु आपकी ई-निविदा आपके द्वारा उद्धृत कुल रू. 22,47,000/- (रू. बाईस लाख सैतालीस हजार मात्र) जीएसटी रहित की नियत मद दर पर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद् द्वारा स्वीकृत की जाती है, जो कि ई-निविदा की अनुमानित लागत रू. 24,78,275/- (रू. चौबीस लाख अठत्तर हजार दो सौ पचहत्तर मात्र) जीएसटी रहित से 9.33% कम है।

Your E-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 22,47,000/- (Rupees Twenty Two Lakhs Forty Seven Thousand Only) excluding GST which is 9.33% below the estimated cost put to tender of Rs. 24,78,275/- excluding GST (Rupees Twenty Four Lakhs Seventy Eight Thousand Two Hundred Seventy Five Only).

- 2- सहा. महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, लीलाबाडी विमानतल इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे निवेदन है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु 27.06.2022 तक सहा.महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, लीलाबाडी विमानपत्तन के कार्यालय में उपस्थित हो। संविदा करार रू 100/- (सौ रुपये) के न्यायिकेतर (नॉन - ज्युडिशियल) स्टॉप पेपर पर बनाया जायगा तथा स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।

Asstt. Gen. Manager (Engg.-Elect.), Airports Authority of India, Lilabari Airport, Lilabari shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Asstt. Gen. Manager (Engg.-Elect.), Airports Authority of India, Lilabari Airport, Lilabari by 27.06.2022 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.

Contd...2

Juhi Sharma
AGM (E-E)

- 3- आपके निविदा के साथ प्राप्त रु. 49,566/- (रुपये उनचास हजार पाँच सौ छियासठ मात्र) की अग्रिम धन राशि को संविदा दस्तावेज़ के पृष्ठ 17 एन आई टी पर दी गई 1(A) के अनुसार सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया जायेगा। कृपया इस पत्र के जारी होने के 10 दिनों के अंदर प्रतिभूति जमा के रूप में रु. 1,75,134/- (रुपये एक लाख पचहत्तर हजार एक सौ चौतीस मात्र) की राशि इस कार्यालय में जमा करा दें अन्यथा करारनामों की संविदा की सामान्य शर्त के पृष्ठ संख्या-17 पर दी गई शर्त 1ए के अनुसार उक्त राशि आपके बिल से काट ली जाएगी।

The earnest money amount of Rs. 49,566/- (Rupees Forty Nine Thousand Five Hundred Sixty Six only) received along with your tender has been converted as part of security deposit as per Clause no. 1(A) of GCC on page no. 17 of contract document. Please deposit **Rs. 1,75,134/- (Rupees One Lakh Seventy Five Thousand One Hundred Thirty Four only)** towards security deposit within 10 (Ten) days from the date of issue of this letter, failing which, the same will be deducted as per condition of Clause No. 1(A) at Page No. GCC-17 of the Contract document.

- 4- आपसे अनुरोध है कि आप ठेका श्रमिक (विनियम एवं उन्मूलन) अधिनियम 1970 के उपबंधों एवं ठेका श्रमिक (विनियम एवं उन्मूलन) केन्द्रीय नियमावली 1971, बालक श्रम (प्रतिषेध एवं विनियमन) अधिनियम 1986, निर्माण श्रमिकों (नियोजन और सेवा शर्त विनियमन) अधिनियम 1996, भवन और अन्य सन्निर्माण कर्मकार उपकर अधिनियम 1996 जैसा कि निविदा की ठेका सामान्य शर्तों के पृष्ठ कं. 48 की शर्त 19 एवं केन्द्रीय एवं राज्य सरकार के नियमों में निर्दिष्ट है का अनुपालन करें।

You are requested to comply with the provision of Contract labour (Regulation and Abolition) Act 1970 and contract labour (Regulation and 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 19 on page no. 52 of GCC of tender and rules of Central and State Government.

- 5- आपको प्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, लीलाबाड़ी विमानतल से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा किया जाएगा।

You are also directed to contact Manager (Engg.-Elect.), AAI, Lilabari Airport immediately who will arrange to hand over the site to you.

- 6- कृपया नोट करे की कार्य पूरा करने के लिए आपको **06 (छह)** माह का समय प्रदान किया जाता है। यह समय इस पत्र के जारी करने की तिथि के 10 वे दिन के बाद से माना जाएगा।

Please note that the time allowed for carrying out the work shall be **06 (Six) Months** and the same shall be reckoned from 10th day after date of issue of this letter.

- 7- इस ठेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए सहा. महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., लीलाबाड़ी विमानतल को संबोधित करें।

Any further correspondence in connection with the contract should normally be addressed to the Asstt. Gen. Manager (Engg.-Elect.), Airports Authority of India, Lilabari Airport.

- 8- कृपया इस पत्र की प्राप्ति की सूचना दें तथा इसके साथ अनुलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें।

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.

- 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.

Yours Faithfully

Encls: Schedule of Quantities (Two Pages).

--sd--

(जूही शर्मा / Juhi Sharma)

सहा. महाप्रबंधक (अभि.-विद्युत)

Asst. Gen. Manager (Engg.-Elect.)

भा.वि.प्रा., लीलाबाड़ी विमानतल -787051

AAI, Lilabari Airport -787051.

कृते तथा ओर से, अध्यक्ष,

For and on behalf of Chairman,

भारतीय विमानपत्तन प्राधिकरण.

N.O.OCopy to -

1. महाप्रबंधक(अभि०-विद्युत्)-II, क्षेत्रीय मुख्यालय, उ.पू.क्षे, गुवाहाटी
2. महाप्रबंधक(वित्त), क्षेत्रीय मुख्यालय, उ.पू.क्षे, गुवाहाटी
3. उप. महाप्रबंधक (अभि०-विद्युत्), क्षेत्रीय मुख्यालय, उ.पू.क्षे, गुवाहाटी।
4. सहा. महाप्रबंधक(वित्त), क्षेत्रीय मुख्यालय, उ.पू.क्षे, गुवाहाटी।
5. विमानपतननिदेशक, लीलाबाडीएअरपोर्ट, लीलाबाडी।
6. वरिष्ठ प्रबंधक(सतर्कता), क्षेत्रीय मुख्यालय, उ.पू.क्षे, गुवाहाटी
7. प्रबंधक (अभि०-विद्युत्), लीलाबाडीएअरपोर्ट, लीलाबाडी।
8. करारनामा।
9. कार्यालय प्रति।

Juhi Sharma
17/06/2022

जूही शर्मा/(Juhi Sharma)

सहा. महाप्रबंधक (अभि.-विद्युत्) / Asstt. Gen. Manager (Engg-Elect)

भा.वि.प्रा., लीलाबाडी विमानतल / AAI, Lilabari Airport.



AIRPORTS AUTHORITY OF INDIA
LILABARI AIRPORT, LILABARI
SCHEDULE OF QUANTITIES

NAME OF WORK: Up gradation of substation at Lilabari Airport including replacement of OCB with latest technology Circuit Breaker.

Sr. No.	Description of Item	Unit	Qty	Rate (Rs.) (Ex. GST)	Amount (Rs.)(Ex. GST)
1.00	SH: I 11KV HT PANEL BOARD Design ,Supply, Installation, Testing & Commissioning of indoor type (IP 4X) floor mounted metal clad, 11 KV Switch Board VCB panel with 4 Nos. VCBs, totally enclosed & fully interlocked, truck mounting, horizontal draw out, horizontal isolation type vacuum breaker as per IS / IEC 62271-100 & 62271-200 for breakers & for panels IS3247 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, 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 cable terminations suitable for 3C x 120 sq.mm. XLPE 11 KV cable.				
2.00	A. Incomer 2 Nos. each consisting of following; 1 No. of 630/800 Amp , 11 KV , 3 Ph, 3P 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. 3 No. Cast resin drawout type PTs 11 KV / $\sqrt{3}$ / 110 $\sqrt{3}$, class 0.5, 50 VA burden including HT HRC fuse on 11 KV Side and MCBs on secondary side protection. 3 No. Cast resin insulated Dual core 3 CTs 100 / 5-5A of 10VA burden and accuracy Class -0.5 for metering and class 5P10 for protection. Aux. relays for Anti Pumping & indication. Trip Circuit supervision relay '- Master Trip Circuit Relay 1 No. Micro processor based over current, short circuit 50,50 N & earth fault numerical IDMT relay with having RS 485 modbus communication facility consisting 3 element for over current relay and one earth fault capable of storing last 10 trip history. 1 No. Over & under voltage protection relay. 1 No. Over & under frequency relay. 1 No. Alarm annunciator with minimum 8 windows and buzzer, ACK, rest, test push button for transformer faults and electrical faults in respective window.				
3.00	B. Busbar 630/800 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 1 second. C. Outgoings 2 Nos each consisting of following; 1 No. 630/800 Amp., 11 KV VCB horizontal draw out type VCB with motorized spring charge mechanism, T/N/C switch and required safety switchgears complete. Aux. relays for WTI, OTI & Buchholz protection. (Both alarm & trip) Trip Circuit supervision relay '- Master Trip Circuit Relay 1 No. Micro processor based over current, short circuit 50,50 N & earth fault numerical IDMT relay with having RS 485 modbus communication facility consisting 3 element for over current relay and one earth fault capable of storing last 10 trip history. 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. 3 No. Cast resin insulated Dual core 3 CTs 50/5-5A of 10VA burden and accuracy Class -0.5 for metering and class 5P10 for protection. 1 No. Auxiliary relays for transformer faults WTI with alarm, trip and hooter 1 No. Alarm annunciator with minimum 8 windows and buzzer, ACK, rest, test push button for transformer faults and electrical faults in respective window.				

Tuli Sharma

Sr. No.	Description of Item	Unit	Qty	Rate (Rs.) (Ex. GST)	Amount (Rs.)(Ex. GST)
3.01	D. All I/C & O/G Breaker having following Accessories & indications 6A MCB for spring charge, DC Control Supply healthy & fails Surge Arrestor of type 1,11KV grade shall be provided for all phases of each incomer AC Supply control ON/OFF Switch Circuit breaker failure Alarm indication VCB spring charge indication 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. (i) Emergency trip push button, (ii) 2A MCB for lamp 60 watts space heater with thermostat 16 Amp MCB for space heater and plug point 6/16 Amps 5 Pin with piano type switch socket outlet Supply, fixing, testing and commissioning of automatic linear pneumatic tube Detection based Clean agent System for Electrical Panels (Linear Pnuematic Heat Detection tube Panel Protection System),consisting of the Mentioned components Suitable capacity , Direct Low Pressure (DLP) Assembly with automatic valve, push in connector for tube, Clean agent, mounting bracket, End of Line adopter and low pressure switch for monitoring system activation. i) Linear Pneumatic Heat detection tube with all necessary & supports ii) Master Control Unit for controlling each system, complete with pressure switches, buzzers and electronic hooters, including all necessary accessories + electrical wiring to make each entire system functional. 11 KV HT PANEL BOARD Consisting of above items	Set	1	2165000.00	2,165,000.00
4.00	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 :				
4.01	3 Core, 120 Sq.mm.	Each	4	15500.00	62,000.00
5.00	DISMANTLING OF OCBs				
5.01	Dismantling of the existing HT Panel complete with all accessories and transportation to AAI store as directed by Engineer-in-Charge .	Job	1	20000.00	20,000.00
		Total Rs.			2,247,000.00
		SAY Rs.			2,247,000.00

(Rupees Twenty Two Lakhs Forty Seven Thousand Only)

Juhi Sharma
(Juhi Sharma)
Asstt. Gen. Manager (E-E)
AAI, Lilabari Airport
17/06/2022

Signature Not Verified

Digitally signed by JUHI SHARMA
Date: 2022.07.30 12:28:11 IST
Location: eProcurement System for Central PSUs

