



Speed post

भारतीय विमानपत्तन प्राधिकरण
राजा भोज विमानतल, भोपाल - 30
Airports Authority of India
Raja Bhoj Airport, Bhopal - 30
दूरभाष/Phone : 2646111-17, फैक्स/Fax: 2646002/3
ई-मेल/E-mail : apdbhopal@aai.aero

रजिस्टर्ड ए.डी. द्वारा/By Regd. A.D.

सं.सं. भाविप्रा/भोपाल/स.म.प्र.(अभि.-वि.)-II/का.आ.04/2021-22

592(2-6)

दिनांक: 20.07.2021

Ref. No: AAI/BPL/AGM(E-E)-II/VO-04/2021-22

Dt. 20.07.2021

सेवा में,

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 :- “राजा भोज विमानतल, भोपाल में प्रचालन क्षेत्र, आवासीय कॉलोनी एवं एटीसी भवन से संबंधित विविध विद्युत कार्य | उपशीर्ष: अपहरण रोधी कक्ष के लिए विद्युत कार्य |”

Subject: “Miscellaneous Electrical Works Related to Operational Area, Residential Colony and ATC Building at Raja Bhoj Airport, Bhopal. SH: Electrical works for Anti-Hijacking Room”.

संदर्भ : 1) दिनांक 12.07.2021 को खोली गई आपकी निविदा

Ref.: 1) Your tender opened on dated 12.07.2021

महोदय/Dear Sir,

1. उल्लेखित कार्य हेतु आपकी ई-निविदा आपके द्वारा उद्धृत कुल **रु. 7,92,750/-** (रु. सात लाख बानबे हजार सात सौ पचास मात्र) 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 **रु. 10,06,567/-** (रु. दस लाख छह हजार पांच सौ सड़सठ मात्र) से **21.24 % 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 **Rs. 7,92,750.00 (Rupees Seven Lakh Ninety Two Thousand Seven Hundred Fifty only)** which is **21.24% below** the estimated cost put to E-Tender of **Rs. 10,06,567.00 (Rupees Ten Lakh Six Thousand Five Hundred Sixty Seven Only)**.

2. सहायक महाप्रबंधक (अभि.-विद्युत)-II, भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल, भोपाल इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे निवेदन है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु **14.08.2021** तक सहायक महाप्रबंधक (अभि.-विद्युत)-II, भारतीय विमानपत्तन प्राधिकरण, भोपाल विमानपत्तन के कार्यालय में उपस्थित हो। संविदा करार **रु 500/-** (पाँच सौ रुपये) के न्यायिकेतर (नॉन - ज्युडिशियल) स्टाम्प पेपर पर बनाया जायगा तथा स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी।

Asstt. Gen. Manager (Engg.-Elect.)-II, Airports Authority of India, Raja Bhoj Airport, Bhopal shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Asstt. Gen. Manager(Engg.-Elect.)-II, Airports Authority of India, Raja Bhoj Airport, Bhopal by **14.08.2021** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 500/- (Rupees Five Hundred only)** and the cost of the stamp paper shall be borne by you.

Contd...2

3. कृपया इस पत्र के जारी होने के 10 दिनों के अंदर प्रतिभूति जमा के रूप में रु. **79,275/-** (रु. उनासी हजार दो सौ पचहत्तर मात्र) की राशि इस कार्यालय में जमा करा दें अन्यथा करारनामों की संविदा की सामान्य शर्त के पृष्ठ संख्या - 15 पर दी गई शर्त 1ए के अनुसार उक्त राशि आपके बिल से काट ली जाएगी।

Please deposit Rs. **79,275/- (Rupees Seventy Nine Thousand Two 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 as per condition of Clause 1A on page 15 of the contract document.

4. आपसे अनुरोध है कि आप टेका श्रमिक (विनियम एवं उन्मूलन) अधिनियम 1970 के उपबंधों का अनुपालन करें। साथ ही टेका श्रमिक (विनियम एवं उन्मूलन) केन्द्रीय नियमावली 1971 एवं केन्द्रीय एवं राज्य सरकारों के न्युनतम वेतन तथा उससे संबंधित अन्य नियमों का पालन करें।

You are requested to comply with the provisions of contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages Act and rules thereof Central and State Governments.

5. आपको कनि. कार्यपालक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल, भोपाल 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 Jr. Executive (Engg.-Elect.), AAI, Bhopal Airport immediately who will arrange to hand over the site to you.

6. कृपया नोट करें की कार्य पूरा करने के लिए आपको **03 (तीन) माह** का समय प्रदान किया जाता है। यह समय इस पत्र के जारी करने की तिथि के 10वे दिन के बाद से माना जाएगा।

Please note that the time allowed for carrying out the work shall be **03 (Three) Months** and the same shall be reckoned from 10th day after date of issue of this letter.

7. इस टेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए सहायक महाप्रबंधक (अभि.-विद्युत)-II, भा.वि.प्रा., राजा भोज विमानतल भोपाल - 462036 को संबोधित करें।

Any further correspondence in connection with the contract should normally be addressed to the Asstt. Gen. Manager (Engg.-Elect.)-II, Airports Authority of India, R. B. Airport, Bhopal - 462036.

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.

भवदीय / Yours Faithfully

(ददन सिंह / Dadan Singh)

सहायक महाप्रबंधक (अभि.-विद्युत)-II

Asstt. Gen. Manager (Engg.-Elect.)-II

भा.वि.प्रा., राजा भोज विमानतल, भोपाल - 462036

AAI, Raja Bhoj Airport, Bhopal - 462036.

कृते तथा ओर से, अध्यक्ष,

For and on behalf of Chairman,

भारतीय विमानपत्तन प्राधिकरण.

Airports Authority of India.

N.O.O. / मूल प्रतिलिपि पर नहीं

Copy to/ प्रतिलिपि प्रेषित :-

1. संयुक्त महाप्रबंधक (सतर्कता), भा.वि.प्रा
पश्चिमी क्षेत्र, सी.एस.आई. एयरपोर्ट, मुंबई-99. (निविदा प्रपत्र के शेड्यूल 'A' कि कॉपी सहित)
Jt. General Manager (Vigilance) AAI.
Western Region, C.S.I. Airport, Mumbai-99 (Along with copy of Schedule 'A' of tender document)
2. क्षेत्रीय श्रम आयुक्त (केंद्रीय),
निर्माण सदन, सी.जी.ओ. कॉम्प्लेक्स रूम नंबर 306,
तीसरा माला,- प्रशासनिक क्षेत्र,
अरेरा हिल्स, भोपाल।
The Regional Labour Commissioner (Central),
Nirmaan Sadan, C.G.O. Complex Room No. 306.
3rd floor, Administrative Area, Arera Hills, Bhopal.

आंतरिक/ INTERNAL

1. विमानपतन निदेशक, भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 जानकारी हेतु ।
Airport Director, AAI, R.B. Airport, Bhopal – 462036. for information please
2. सहायक महाप्रबंधक (वित्त), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 जानकारी हेतु ।
AGM (Finance), AAI, R.B. Airport, Bhopal – 462036. for information please
3. कनि. कार्यपालक (अभि- विद्युत), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 कार्यस्थल सौंपने एवं ठेका
Jr. Executive (Engg.-Elect.), AAI, R.B. Airport, Bhopal – 462036 करारानुसार कार्य निष्पादन हेतु ।
..... To handover the site & Supervise
the work as per contract agreement.
4. करार प्रति/Agreement Copy.
5. कार्य फाईल/Works File.

Singh
20/07/2024

सहायक महाप्रबंधक (अभि.-विद्युत)-II
Asstt. Gen. Manager (Engg.-Elect.)-II

Bill of Quantities (BOQ)

Name of work: Miscellaneous Electrical Works Related to Operational Area, Residential Colony and ATC Building at Raja Bhoj Airport, Bhopal.

SH: Electrical works for Anti Hijacking.

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
1.00	Supply, installation, testing and commissioning of dust, damp and vermin proof cubicle free floor, indoor type factory built sheet steel enclosed modular bolted construction, suitable for operation on 415 $\pm$10% volts, 50 Hz AC 3 phase 4 wire supply system fabricated out of CRCA sheet steel of 2.0 mm thick for frame work and 2.0 mm thick for doors/ covers, 3mm thick for gland plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having TPN Aluminium bus bars of high conductivity, DMC/SMC bus bar supports, bottom base channel of section not less than ISMC 75mm, entire panel shall have a common copper earth bar of suitable size with 2 nos earth studs, including control wiring with 1.5sqmm. PVC insulated FRLS copper conductor Single Core cable for voltage & 2.5sq.mm for current circuits, cable alleys, cable gland plates, danger notice plates, etc. necessary metering protections & indications and mounted with the following switch gears. INCOMER i) 100 Amps. 4P , MCCB '36KA, (Ics = Icu= 36KA) with thermal magnetic release having O/L & S/C protection equiped with extendable Rotary Handle and Spreader Terminals - 02 Set ii) 6 Nos. Phase indication LED lamps with 2Amp MCB, 'ON/OFF' indicating light with 2A MCB. iii) Multifunction meter, class 0.5 with LCD Display shown V,A,HZ & PF - 2 Nos. iv) Current Transformer CT 100/5A , CL-1 , 5 VA - 6 Nos. AUTO TRANSFER SWITCH i) 4 pole, 100 Amps. Open execution type with complete protection - 1 No. BUS-BAR TPN aluminium main bus bars of minimum of 300 Amp capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete. OUTGOING i) 63 Amps. 4P, MCCB '36KA, (Ics = Icu= 36KA) with thermal magnetic release having O/L & S/C protection equiped extendable Rotary Handle and Spreader Terminals - 02 Set ii) 32 Amps. 4P, MCCB '36KA, (Ics = Icu= 36KA) with thermal magnetic release having O/L & S/C protection equiped extendable Rotary Handle and Spreader Terminals - 01 Set iii) ON-OFF indication lamps (LED type) with 2 Amp control MCBs. - 4 Set	Job	1.00	149000.00	149000.00
2.00	Supply & Installation of wall mounted fan, 400 mm sweep suitable for operation on 240V, 50Hz A.C. supply with Pull Code Control operations and High speed motor etc. complete as required.	Each	7.00	2000.00	14000.00

[Signature]
AGMEB

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
3.00	Supply of 300 mm sweep heavy duty exhaust fan suitable for operation on 240V, 50Hz A.C. supply, 1400 rpm complete as required.	Each	3.00	2250.00	6750.00
4.00	Supply of 36 Watt recess mounting type LED indoor light fitting (Natural White) suitable for mounting on 600 mm X 600 mm grid channel with minimum output of 3600 lumens, suitable for 140-270 volt, 50 Hz, PF>0.95, luminaire should have Extruded aluminium / CRCA / Standard ally housing. Luminaire should have minimum IP protection should be IP 20. Total power consumption of fitting (including driver loss) should not more than 110 % of rated capacity of LED Light fitting, complete with all accessories as required.	Each	28.00	1600.00	44800.00
5.00	Supply of 12 W High efficient recess mounted downlighter with minimum output of 1200 lumens, suitable for 140-270 volt, 50 Hz, PF>0.95, luminaire should have Extruded aluminium/CRCA/ Standard ally housing. Luminaire should have minimum IP protection should be IP 20. Total power consumption of fitting (including driver loss) should not more than 110 % of rated capacity of LED Light fitting, complete with all accessories as required.	Each	6.00	850.00	5100.00
6.00	Supply of Aesthetically designed Rechargeable LED Lantern with long backup time feature with minimum 3 watt / 5 watt, Rechargeable Li-ion battery capacity and suitable charging from 160-270V AC supply 50HZ etc as required.	Each	1.00	2200.00	2200.00
7.00	Supply, Installation, Testing & Commissioning of Ceiling Mounted Inverter Cassette Type 3.80 TR / 4.0 TR Three Phase Air Conditioning unit including indoor, outdoor unit fitted with rotary compressor, copper condensor and first charge refrigerant R410A / eco friendly green gas only, cordless remote control, auto air swing louvers, connection copper lead wire between outdoor and indoor unit, connection copper lead wire upto 1.5 Meter, including floor stand for Outdoor unit, condense water outlet and excluding connection of copper pipe of required size, insulation complete etc as required. Outdoor / Indoor units should be of same make (Brand).	Nos.	3.00	98000.00	294000.00

[Signature]
ACME

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
8.00	Supply, Installation, Testing & Commissioning of 1.5 Ton (5 Star) Inverter Split type wall mounted Air conditioning unit, Single phase, including indoor, outdoor unit fitted with rotary compressor, copper condensor and first charge refrigerant R410A / eco friendly green gas only. The Condensing unit working range should be capable of providing cooling between + 5 Deg C to 50 Deg C including connection of copper pipe of required size upto 3 Meter, insulation, cordless remote control, auto air swing louvers, wall stand for outdoor unit, connection copper lead wire condense water outlet pipe 2 Meter complete etc as required. Outdoor / Indoor units should be of same make (Brand).	Nos. ✓	1.00 ✓	32000.00 ✓	32000.00 ✓
9.00	Supply and Connection of Copper refrigerant piping for Cassette type Airconditioning for complete with suction / liquid line, insulation with all accessories complete etc as required.	Meter ✓	35.00 ✓	1200.00 ✓	42000.00 ✓
10.00	Supply & Fixing of suitable size of Electrical power cable for Cassette type Airconditioning between Indoor & Outdoor units complete etc as required.	Meter ✓	35.00 ✓	90.00 ✓	3150.00 ✓
11.00	Supply, Installation, Testing & Commissioning of automatic programmable AC switching system for the Operation of 02 Nos. (01 No. Running + 01 No. Standby) split type Air conditioner Units to change over the system 04 Hours complete etc as required.	Nos. ✓	1.00 ✓	5000.00 ✓	5000.00 ✓
12.00	Supply of 3.5 core x 70 Sqmm. XLPE insulated PVC Sheathed Armoured Aluminium Conductor Power Cable of 1.1 KV Grade confirming to IS:7098 (Part 1) with upto date amendment etc. complete as required.	Meter ✓	300.00 ✓	350.00 ✓	105000.00 ✓
13.00	Supply of 2 core x 1.5 Sqmm. XLPE insulated PVC Sheathed Armoured Copper Conductor Cable of 1.1 KV Grade confirming to IS:7098 (Part 1) with upto date amendment etc. complete as required.	Meter ✓	150.00 ✓	95.00 ✓	14250.00 ✓
14.00	Installation of exhaust fan of size 300 mm sweep in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	Each ✓	3.00 ✓	350.00 ✓	1050.00 ✓

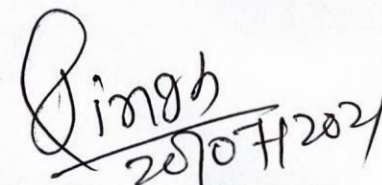

 AGM (E)

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
15.00	Installation, testing and commissioning of pre-wired, Recess Fitting / Surface Fitting / Downlighter Fittings of all types, complete with all accessories and LED lamp etc. directly on ceiling / wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each ✓	34.00 ✓	50.00 ✓	1700.00 ✓
16.00	Supplying and making end termination with brass compression gland and aluminium lugs for size of 3.5 x 70 sq.mm. PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	Set ✓	4.00 ✓	250.00 ✓	1000.00 ✓
17.00	Earthing with G. I. pipe 4.5 m long x 40 mm dia. (Drilling of 300 mm dia, 4.5 Mtr deep by using Borewell machine) including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. including charcoal or coke and salt complete as required.	Set ✓	2.00 ✓	5000.00 ✓	10000.00 ✓
18.00	Providing and fixing 25mm X 5 mm GI strip on surface or in recess for connections etc. as required.	Meter ✓	30.00 ✓	120.00 ✓	3600.00 ✓
19.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and upto 95 sq. mm size in the existing masonry open duct as required.	Meter ✓	30.00 ✓	50.00 ✓	1500.00 ✓
20.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and upto 95 sq. mm size in the existing RCC/ HUME/ METAL pipe as required.	Meter ✓	20.00 ✓	50.00 ✓	1000.00 ✓
21.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and upto 95 sq. mm (clamped with 25 x 3 mm MS flat clamp) size on wall surface as required.	Meter ✓	250.00 ✓	80.00 ✓	20000.00 ✓
22.00	Supply and Installation of Microprocessor based 2 Zone non-expandable conventional fire alarm panel. The Panel should be equipped of 2 Zone capacity to take maximum 20 detections per zone, reset function inbuilt and alarm & Fault Display by individual LEDs for each detector group. 240 volts AC power supply, automatic battery charges, 2 nos X 12 volt sealed maintenance free batteries complete etc as required.	Nos. ✓	1.00 ✓	5500.00 ✓	5500.00 ✓

S. ACME

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
23.00	Supply and Installation of 2 Channel wireless auto dialer (GSM based) voice message. 40 (20+20) seconds voice recording. 9 nos of tel./mobile 16 digit each. View numbers & user setting any time. Standard telephone key pads. Work with all types of GSM network. Easy menu based programming. 1 levels of password protection complete etc as required.	Nos.	1.00	9000.00	9000.00
24.00	Supply and Installation of Conventional Type Smoke Detector with LED indication, with mounting base complete etc as required.	Nos.	19.00	1000.00	19000.00
25.00	Supply and Installation of Conventional Type Heat Detector with LED indication, with mounting base complete etc as required.	Nos.	1.00	1000.00	1000.00
26.00	Supply and Installation of Conventional Type Hooter complete etc as required.	Nos.	1.00	650.00	650.00
27.00	Supply and Installation of Manual call points complete etc as required.	Nos.	1.00	500.00	500.00
				Total	7,92,750.00

(Rupee Seven Lakh Ninety Two Thousand Seven Hundred Fifty Only)


Asstt. Gen. Manager (Engg-E)
AAI, R. B. Airport, Bhopal

Signature Not Verified

Digitally signed by Dadar Singh
Date: 2021.08.12 11:46:16 IST
Location: eProcurement System for Central
PSUs