



रजिस्टर्ड ए.डी. द्वारा/By Regd. A.D.

सं.सं. भाविप्रा/भोपाल/उप.म.प्र.(अभि.-वि.)/का.आ.06/2020-21/ 2132 (1-12)

दिनांक: 11.01.2021

Ref. No: AAI/BPL/DGM(E-E)/WO-06/2020-21/

Dt. 11.01.2021

सेवा में,

मेसर्स अभिषेक एसोसिएट्स,
8, पारुलनगर शॉपिंग सेंटर,
भुयांगदेव क्रॉस रोड के पास,
सोला रोड, घटलोडिया,
अहमदाबाद - 380061

ई-मेल: abhass_2000@yahoo.co.in

M/s. Abhishek Associates,
8, Parulnagar Shopping Centre,
Near Bhuyangdev Cross Road,
Sola Road, Ghatlodiya,
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विषय :- "वर्ष 2020-22 के लिए राजा भोज विमानतल, भोपाल स्थित प्रचालन क्षेत्र, आवासीय कॉलोनी, एम.एस.एस.आर. एवं जी.एल.एफ. के ई. एवं एम. स्थापनों का ए.आर.एम.ओ. कार्य।"

Subject: "ARMO of E & M Installations of Operational Area, Residential Colony, MSSR & GLF at R.B. Airport, Bhopal for the year 2020-22".

संदर्भ : 1) दिनांक 04.01.2021 को खोली गई आपकी ई-निविदा

Ref.: 1) Your e-tender opened on dated 04.01.2021

महोदय/Dear Sir,

- उल्लेखित कार्य हेतु आपकी ई-निविदा आपके द्वारा उद्धृत कुल रू. 1,79,48,912/- (रू. एक करोड़ उन्यासी लाख अड़तालीस हजार नौ सौ बारह 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 राशि रू. 2,10,79,352/- (रू. दो करोड़ दस लाख उन्यासी हजार तीन सौ बावन मात्र) से 14.85 % कम है एवं न्यायसंगत राशि रू. 2,13,90,669/- (रू. दो करोड़ तेरह लाख नब्बे हजार छह सौ उनहत्तर मात्र) से 16.09 % 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. 1,79,48,912/- (Rupees One Crore Seventy Nine Lakh Forty Eight Thousand Nine Hundred Twelve Only) which is 14.85% below the Estimated cost put to E-Tender of Rs. 2,10,79,352/- (Rupees Two Crore Ten Lakh Seventy Nine Thousand Three Hundred Fifty Two Only) & 16.09% below the Justified cost of Rs. 2,13,90,669/- (Rupees Two Crore Thirteen Lakh Ninety Thousand Six Hundred Sixty Nine Only).

- उप महाप्रबंधक (अभि.-विद्युत), 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 02.02.2021 तक उप महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, भोपाल विमानपत्तन के कार्यालय में उपस्थित हो। संविदा करार रू 500/- (पांच सौ रुपये) के न्यायिकेतर (नॉन - ज्युडिशियल) स्टांप पेपर पर बनाया जायगा तथा स्टांप पेपर की लागत आपके द्वारा वहन की जाएगी।

Dy. Gen. Manager (Engg.-Elect.), 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 Dy. Gen. Manager(Engg.-Elect.), Airports Authority of India, Raja Bhoj Airport, Bhopal by 02.02.2021 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.

3. कृपया इस पत्र के जारी होने के 10 दिनों के अंदर प्रतिभूति जमा के रूप में रु. 17,94,891/- (रु. सत्रह लाख चौरानवे हजार आठ सौ इक्यानबे 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. 17,94,891/- (Rupees Seventeen Lakh Ninety Four Thousand Eight Hundred Ninety One 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 एवं टेका 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 सन्निमार्ण कर्मकार उपकर अधिनियम 1996 जैसा कि निविदा की टेका 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 48 of GCC of tender and rules of Central and State Government.

5. आपको सहायक महाप्रबंधक (अभि.-वि.)-II, 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 Asstt. Gen. Manager (Engg.-Elect.)-II, AAI, Bhopal Airport immediately who will arrange to hand over the site to you.

6. कृपया नोट करे की कार्य पूरा करने के लिए आपको 24 (चौबीस) माह का समय प्रदान किया जाता है। यह समय 19.01.2021 से माना जायगा।

Please note that the time allowed for carrying out the work shall be 24 (Twenty Four) Months and same shall be reckoned from 19.01.2021.

7. इस टेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए उप महाप्रबंधक (अभि.-विद्युत), 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 Dy. Gen. Manager (Engg.-Elect.), 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

योगेश नगाईच 11/01/2021

(योगेश नगाईच / Yogesh Nagaich)

उप महाप्रबंधक (अभि.-विद्युत)

Dy. Gen. Manager, Engg. (E)

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.

Bill of Quantities (BOQ)

Name of Work: ARMO of E & M Installations of Operational Area, Residential Colony, MSSR & GLF at R.B. Airport, Bhopal for the year 2020-22.

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
1.00	Annual Operation of 320 KVA D.G.Set of Old Power House & MSSR and Maintenance of Electrical & Mechanical installations of Old Power House, ATC Building, Fire Station, MT Workshop, Nav-Aids, GLF Installations, Perimeter lighting, Outer Marker, MSSR, Street light, Pump House, Residential colony etc. by deploying adequate manpower as per special conditions of contract.	Month	24.00	666888.00	16005312.00
2.00	Provision of additional hour required for operations due to delay in flight, emergency, major maintenance works. Beyond the scope of item no. 1 on daily basis.				
2.01	Skilled	Hours	50.00	707.00	35350.00
2.02	Un-skilled	Hours	50.00	534.00	26700.00
3.00	Inspection, servicing and testing of 3 Pole, 800A, 11KV, HT Vacuum circuit Breakers (2 Nos. VCB) (Make: Crompton Greaves) installed at Old power house at Bhopal Airport, including carrying out the following tests & preventive maintenance alongwith submission of the test reports. (a) General inspection (b) Wiring check including control circuit and indications (c) IR test between poles to poles, between poles to earth in closed condition and between pole to pole in open condition. (d) Continuity of power contacts. (e) Continuity of auxiliary contacts (f) Resistance measurement of tripping coil (g) Closing, tripping and inter- locking testing (h) Tripping through relay operation				
3.01	First Year	Job	1.00	10000.00	10000.00

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
3.02	Second Year	Job	1.00	10000.00	10000.00
4.00	Calibration of 11 KV HT panel of relays of Crompton Greaves make (01 Over current relay + Earth fault relay, type-CGI 14 N) complete by digital relay testing set of the Airport power house. - 2 Nos.				
4.01	First Year	Job	1.00	3000.00	3000.00
4.02	Second Year	Job	1.00	3000.00	3000.00
5.00	Dehydration and filtration of transformer oil at AAI site including testing the BDV before and after testing and submission of test reports etc. as required for following Transformers.				
5.01	500 KVA Transformer (Make: Voltamp)				
5.02	First Year	Job	1.00	7500.00	7500.00
5.03	Second Year	Job	1.00	7500.00	7500.00
5.04	630 KVA Transformer (Make: Voltamp)				
5.05	First Year	Job	1.00	11250.00	11250.00
5.06	Second Year	Job	1.00	11250.00	11250.00
6.00	Supply and topping of transformer oil (Tested).	Litre	100.00	110.00	11000.00
7.00	Rewinding of the following Fans & Pumps with copper wire of required size including less for dismantled copper wire, alignment, bearing etc. complete as reqd.				
7.01	Ceiling Fans 48", 230V	Each	40.00	300.00	12000.00
7.02	Exhaust Fans/ Air cooler	Each	20.00	300.00	6000.00
7.03	1 HP - 2 HP Submersible Pump Motor	Each	2.00	500.00	1000.00
7.04	3 HP - 5 HP Mono block Pump Motor	Each	2.00	1000.00	2000.00

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
7.05	7.5 HP - 10 HP Mono block Pump Motor	Each	2.00	2500.00	5000.00
7.06	4 HP Submersible Pump Motor	Each	1.00	2000.00	2000.00
7.07	7.5 HP Submersible Pump Motor	Each	1.00	2000.00	2000.00
8.00	Painting of following poles in 2 coats by using Aluminium paint of approved make (Asian / Berger) including pole boxes, cleaning of surface etc., as required including rewriting the identification Sl.No.				
8.01	50 mm GI pipe pole of length not exceeding 3 Mt.	Each	472.00	125.00	59000.00
8.02	75 mm GI pipe pole of length not exceeding 3 Mt.	Each	141.00	150.00	21150.00
8.03	Tubular street light poles of length not exceeding 11 Mt.	Each	162.00	400.00	64800.00
9.00	Annual Servicing of CCR of 4KW to 30 KW capacity of NASU make by OEM.The scope of item includes inspection of all the parts of CCR, servicing, checking of wiring for healthiness etc. and submission of test reports etc, complete as required.				
9.01	First Year	Job	19.00	5500.00	104500.00
9.02	Second Year	Job	19.00	5500.00	104500.00
10.00	Spray Painting of sheet metal enclosures of electrical panels inside the power house, Pump room & ATC building & terminal building including cleaning the surface and one coats of grey or any other color of make (Asian / Berger) including rewriting the identification the circuit, Protecting and covering the electrical accessories during painting and removing after work is over etc., as reqd.	Square Meter	50.00	50.00	2500.00
11.00	Painting of sheet metal enclosures of electrical equipments such as feeder pillars, distribution boards, electrical panel, frame etc. including cleaning the surface and one coat of grey or any other color of make (Asian / Berger) including rewriting the identification the circuit, Protecting and covering the electrical accessories during painting and removing after work is over etc., as reqd.	Square Meter	20.00	50.00	1000.00

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
12.00	Supply of 200 W, 6.6 Amp Bi pin Halogen Lamp suitable for for AMA Make PAPI fitting (Make: OSRAM/Philips/Youyang or as recommended by OEM)	Nos.	100.00	340.00	34000.00
13.00	Supply of 200 W, 6.6 Amp Lamp suitable for CAT 1, Threshold, SAPL & End light fittings (Make: OSRAM/Philips/Youyang or as recommended by OEM)	Nos.	200.00	670.00	134000.00
14.00	Supply of 150 W, 6.6 Amp Bi pin Halogen Lamp for Runway Edge light fitting (Make: Phillips /OSRAM/Youyang or as recommended by OEM)	Nos.	100.00	530.00	53000.00
15.00	Supply of 105 W, 6.6 Amp Bi pin Halogen Lamp for inset fitting (Make: Osram /Philips/Youyang or as recommended by OEM)	Nos.	100.00	730.00	73000.00
16.00	Supply of Lamp Holder for 200 W, 6.6 Amp Bi pin Halogen Lamp suitable for AMA Make PAPI fitting.	Nos.	60.00	250.00	15000.00
17.00	Supply of driver for Retro-Fit conversion of existing LED type taxi way light fitting. Each fitting is to be illuminated by a single driver & by using single isolating transformer of suitable size. The Driver should work on runway / taxiway current varying from 2.8 to 6.6 Amp complete etc. as required.	Nos.	50.00	1250.00	62500.00
18.00	Supply of Neoprene type Inner Gasket for Runway inset fitting of YOUYANG Make	Nos.	30.00	225.00	6750.00
19.00	Supply of Neoprene type Outer Gasket for Runway inset fitting of YOUYANG Make	Nos.	30.00	225.00	6750.00
20.00	Supply of 200 Watts, 6.6/6.6 Amps 5 kV grade 50 Hz Isolating transformers, series type encapsulated in neoprene tube rubber with primary and secondary leads as specified in particular specifications.	Nos.	100.00	3495.00	349500.00
21.00	Supply of 100 Watts, 6.6/6.6 Amps 5 kV grade 50 Hz Isolating transformers, series type encapsulated in neoprene tube rubber with primary and secondary leads as specified in particular specifications.	Nos.	10.00	3495.00	34950.00
22.00	Supply of 6.0 Sq.mm Plug and Receptacle of Type-I Class 'B' connector and suitable for field attachment with 5 kV grade PVC insulated, PVC sheathed single core Runway copper conductor cable complete as required.	Pair	150.00	295.00	44250.00

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
23.00	Supply of 16.0 Sq.mm Plug and Receptacle of Type-I Class 'B' connector and suitable for field attachment with 5 kV grade PVC insulated, PVC sheathed single core Runway copper conductor cable complete as required.	Pair	100.00	295.00	29500.00
24.00	Supply of driver for Retro-Fit conversion of existing signage board. Each board having length from 800mm up to 3000mm should be illuminated by a single driver & by using single isolating transformer of suitable size. The entire sign board should have inbuilt dual circuit to work on main & Stand by Circuits. The Driver should work on runway current varying from 2.8 to 6.6 Amp & should have uniform brightness across the entire range of current variation from 2.8 Amp to 6.6 Amp. The Driver should be able to drive LED strips of 0.5 Watts Osram LED's assembled on aluminium PCB of size 700mm X 200mm and having 11 LED's per PCB for boards. From 5 strips to 20 strips	Nos.	50.00	3590.00	179500.00
25.00	Supply of Red filter for Runway End light fittings of YOUYANG make	Nos.	10.00	2250.00	22500.00
26.00	Supply of 360° Outer Clear Lens (Dome) for Runway Edge Light Fitting (YOUYANG Make).	Nos.	100.00	1250.00	125000.00
27.00	Supply of Breakable couplings for Signage Board.	Nos.	40.00	395.00	15800.00
28.00	Supply of heat shrinkable jointing kit of 6 sq. mm size, single core copper conductor, 5 KV grade for Airfield lighting cable complete etc. as required.	Nos.	40.00	750.00	30000.00
29.00	Supply of 5 KV grade 6 Sq.mm size unarmored single core airfield lighting cable with Stranded Annealed Plain Copper Conductor, Underground, Unscreened, Unarmored, PVC Insulated & PVC Sheathed complete etc. as required.	Meter	1000.00	105.00	105000.00
30.00	Supply of PAPI Check Stick Base Plate complete with suitable size of nut bolts and other accessories complete etc. as required.	Nos.	4.00	1250.00	5000.00
31.00	Supply of 6.0 Sq.mm Plug and Receptacle of Type-I Class 'B' connector and suitable field attachment with 5 KV grade XLPE insulated PE Sheathed single core screened copper conductor cable as required.	Each	60.00	295.00	17700.00

S. No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
32.00	Supply of 16.0 Sq.mm Plug and Receptacle of Type-I Class 'B' connector and suitable field attachment with 5 KV grade XLPE insulated PE Sheathed single core screened copper conductor cable as required.	Each	20.00	295.00	5900.00
33.00	CPWD Schedule of rates DSR-2018 (Electrical) items of Rs. 1,00,000/- - Chapter 01 to 10 & 14 The rate shall be quoted for this item as per examples given below- • Please refer clause 43 of GTT page No. GTT - 10 before quoting rates for this item. • If bidder wants to quote the rates at par with rates of DSR-2018 (E & M), then bidder has to quote 1.00 in the rate column. • If bidder wants to quote the rates 10% above the rates of DSR- 2018 (E & M), then bidder has to quote 1.10 in the rate column. • If bidder wants to quote the rates 10% below the rates of DSR- 2018 (E & M), then bidder has to quote 0.90 in the rate column.	Percentage (%)	100000.00	0.70	70000.00
				Total	1,79,48,912.00

(Rupee One Crore Seventy Nine Lakh Forty Eight Thousand Nine Hundred Twelve Only)

21/01/21 11/01/2021
Dy. Gen. Manager (Engg-E)
AAI, R. B. Airport, Bhopal