



रजिस्टर्ड ए.डी. द्वारा/By Regd. A.D.

सं.सं. भाविप्रा/भोपाल/उप महाप्रबंधक(अभि.-वि.)/का.आ.-03/Capex/2025-26/467(1-8)/ दिनांक: 16.04.2025
Ref. No: AAI/BPL/DGM(E-E)/WO-03/Capex/2025-26 72(1-8) Dt. 16.04.2025

सेवा में,

मेसर्स मनीष इलेक्ट्रिकल,

7 न. चौराहा के पास कल्पना नगर,

मोरार, ग्वालियर - 474006

ई-मेल: manishelectricals21@gmail.com.

M/s Manish Electricals,

Kalpna Nagar, Near 7 No. Chouraha,

Morar, Gwalior-474006

E-mail: manishelectricals21@gmail.com

विषय :- “राजा भोज विमानतल, भोपाल पर रनवे टर्न पैड लाइट्स और अन्य संबद्ध कार्य का प्रावधान ।”

Subject: “Provision of Runway Turn pad Lights and other associated work at R.B. Airport, Bhopal.”

संदर्भ : 1) दिनांक 20.03.2025 को खोली गई आपकी ई-निविदा

Ref.: 1) Your e-tender opened on dated 20.03.2025

2) E-Auction Dated 21.03.2025

महोदय/Dear Sir,

1. उल्लेखित कार्य हेतु आपकी ई-निविदा में आपके द्वारा उद्धृत कुल **रु. 2,21,94,312/-** (रु. दो करोड़ इक्कीस लाख चौरानवे हजार तीन सौ बारह मात्र) जी.एस.टी. रहित की नियत मद दर पर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद् द्वारा स्वीकृत की जाती है, जो कि ई-निविदा की न्यायसंगत राशि **रु. 2,38,14,638/-** (रु. दो करोड़ अड़तीस लाख चौदह हजार छह सौ अड़तीस मात्र) जी.एस.टी. रहित से **6.80 % 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. 2,21,94,312/- (Rupees Two Crore Twenty One Lakh Ninety Four Thousand Three Hundred Twelve Only) Excl. GST** which is **6.80% below** the Justified cost put to E-Tender of **Rs. 2,38,14,638/- (Rupees Two Crore Thirty Eight Lakh Fourteen Thousand Six Hundred Thirty Eight Only) Excl. GST**.

2. 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 **13.05.2025** तक उप महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, भोपाल विमानपत्तन के कार्यालय में उपस्थित हो। संविदा करार **रु 500/- (पांच सौ रुपये)** के न्यायिकेतर (नॉन - ज्युडिशियल) स्टांप पेपर पर बनाया जायगा तथा स्टांप पेपर की लागत आपके द्वारा वहन की जाएगी।

Dy. General 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. General Manager (Engg.-Elect.), Airports Authority of India, Raja Bhoj Airport, Bhopal by **13.05.2025** 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.

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3. कृपया इस पत्र के जारी होने के 10 दिनों के अंदर प्रतिभूति जमा के रूप में रु. **22,19,431/-** (रु. बाईस लाख उन्नीस हजार चार सौ इकत्तीस 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. **22,19,431/- (Rupees Twenty Two Lakh Nineteen Thousand Four Hundred Thirty 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 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 सन्निमार्ण कर्मकार उपकर अधिनियम 1996 जैसा कि निविदा की ठेका सामान्य शर्तों के पृष्ठ क्र. 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 वरिष्ठ प्रबंधक (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 Sr. Manager (Engg.-Elect.), 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 **6 (छः) माह** का समय प्रदान किया जाता है। यह समय **26.04.2025** से माना जायगा।

Please note that the time allowed for carrying out the work shall be **6 (Six) Months** and same shall be reckoned from **26.04.2025**.

7. इस ठेके 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. General 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.

संलग्नक /Enclosure: 1. BOQ (total 07 Pages)

भवदीय / Yours Faithfully

(प्रमोद कुमार ठाकरे / Pramod Kumar Thakre)

उप महाप्रबंधक (अभि.-विद्युत)

Dy. General Manager (Engg.-Elect.)

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

Government eProcurement System
Created By: Sumit Gupta
Created Date/Time: 21-Mar-2025 02:36 PM
Tender Title: Provision of Runway Turn pad Lights and other associated work at R. B. Airport, Bhopal
Tender ID: 2025_AAI_222371_1

Tender Inviting Authority: SM(E-E), AAI, R.B. Airport, Bhopal

Name of Work: Provision of Runway Turn pad Lights and other associated work at R. B. Airport, Bhopal.

Contract No: AAI/BPL/ENGG(E)/NIT-14/2024-25

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1.00	Supply of FAA Certified Inset type medium intensity Turn Pad light fitting for aviation visual aids requirements complete with shallow base and matching body of the fitting, inner body of the fitting, inner body and outer cover made of die cast aluminium complete with LED Lamp 6.6 Amps current with connected heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, hardware, lenses and all standard accessories and ready for site installation complete with all accessories as required. (a) Unidirectional Centerline light (Green) 8 inch dia.	90.00	Each	55000.00	4950000.00
2.00	Supply of FAA Certified Inset type medium intensity omni directional LED taxiway edge light fitting for aviation visual aids requirements complete with shallow base and matching body of the fitting, inner body of the fitting, inner body and outer cover made of die cast aluminium complete with LED Lamp 6.6 Amps current with connected heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, hardware, lenses and all standard accessories and ready for site installation complete with all accessories as required. (a) Omni-directional Taxiway edge light (blue) 8 inch dia.	39.00	Each	55000.00	2145000.00



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
3.00	Supply of Indoor type air cooled Constant Current Regulator (CCR) of micro processor controlled, thyristor type suitable for operation on 230/240 V AC $\pm$ 10%, 50 Hz input AC supply with 5 steps variation of current output (2.8, 3.4, 4.0, 5.2 and 6.6 Amp) and able to communicate with PC/ PLC controlled system with digital output anmeter (0-10 Amps), over current, over voltage, open circuit and earth fault protection and earth leakage meter, two stage earth leakage detector, positive back indication equipments, hours run counter, LED display complete as required for the following rating and conforming to techncial specifications suitable for communication on Airfield Lighting Control and Monitoring System (ALCMS) (a) 2.5 KW CCR Panel	3.00	Each	225000.00	675000.00
4.00	Supply of 2 x 4 sqmm secondary lead made out of multi stranded copper conductor EPR insulated & PCP sheathed, anti termite & rodent treated 1.1 KV grade underground cable etc. complete as required.	2576.00	Meter	380.00	978880.00
5.00	Supply of 6 sq.mm 5 KV grade Single Core unarmoured Primary Circuit Cable with Stranded Annealed Plain Copper Conductor, XLPE insulated and Polyethylene (PE) sheathed, Cable for airfield lighting conforming to IS 1554 (part-2/ IS 7098(part -2) and as per technical specification etc. as required.	20000.00	Meter	180.00	3600000.00
6.00	Supply of 6 sqmm, 5 KV grade plug and receptacle of type I, class 'B' connector and suitable field attachment with 5 KV grade XLPE insulated, PE sheathed, single core copper conductor cable as required.	145.00	Nos.	650.00	94250.00



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
7.00	Supply of following rating completely enclosed isolating transformer encapsulated in polyster resin finaily moulded in neoprene rubber for use of 6.6 amps series airport lighting circuits having nominal voltage rating of 5KV and all rated for operation on 50 Hz. The transformer shall be water tight and shall be designed for direct burial in the earth or installation in a base confirming to specification as required.				
7.01	15Watt 6.6/6.6 Amps ✓	90.00	Each ✓	4000.00	360000.00 ✓
7.02	100Watt, 6.6/6.6 Amp ✓	4.00	Each ✓	6500.00	26000.00 ✓
8.00	Supply of Cast iron Isolating Transformer housing box, water tight round type, metal container of outside dia 330 mm, height 450 mm made of 10 mm thick cast iron moulding all round, except the top surface, which is 15 mm thick cast iron moulding suitable to receive a light fitting base plate/cover plate on the top and underground housing associated with transformer power cable and having three/two/one nos holes as per site requirement on the periphery centre, 75 mm above bottom surface suitable to receive 63 mm HDPE pipes as required . The box should have two SS earth bolts of M10 x 40 mm tapped inside near the hole (4" away from the hole centre) and having a drain hole at the bottom suitably tapped to receive 15 mm dia, 'B' class GI pipe and having clear opening of 220 mm at the top surface and 6 Nos. M10 tapped hole having centre to center distance of 260 mm alongwith bolts as required as per the drawings. The CI top cover of 310 mm dia x 15 mm thick with suitable rubber gasket and 6 Nos. M10 tapped hole and bolts as required.	84.00	Each ✓	7000.00	588000.00



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
9.00	Supply, installation, testing & commissioning of Guidance signage board (IP 65 protection) complying to ICAO standard of various sizes made out of 2 mm thick anodized aluminium frame with suitable angle support, 1.5 mm thick aluminium back cover, 4 mm thick non-specular surface polycarbonate signage sheet, the letter and symbols of sign should be screen printed on inside of sign face made of self-adhesive 3M film applied on the inside face with required coloring. Sign board shall be uniformly internally illuminated with required LED's i/c all other accessories to achieve uniform illumination level and with suitable converter to operate on 2.8 Amp to 6.6 Amp AC constant current as incoming supply without flickering, suitable arrangements shall be made for water tightness and locking arrangements, mounting legs with flengible coupling & base frame as per ICAO Annexure 14 Vol.1, crimping & molding secondary leads with connector kit, supply & laying of PVC coated GI flexible pipe with couplers for protecting secondary leads, providing cement concrete foundation of suitable size & depth for each unit, providing pedestal up to 1.5mtr all around the signage with 1:2:4 CC of 150 mm thick & finish with neat cement plaster, connecrions / interconnections with isolating transformers and confirming to technical specifications. (Legends shall be as approved by EIC) etc. complete as required.	7.00	Sq.Mtr	54000.00	378000.00
10.00	Installation, testing and commissioning of following sizes inset fitting with core cutting, aligning and setting i/c providing sealing material of reputed make and installation of Isolating Transformer, Crimping / Jointing of plug receptacles, & other accessories required for commissioning i/c supply of all materials except fixture, secondary lead, plug & receptacles & isolating transformer etc. as required. (a) Fitting size up to 8 "	109.00	Each	7000.00	763000.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
11.00	Installation of CI housing box of size 330 mm dia and 450 mm deep i/c cutting/ excavation of surface/earth, providing one no, 250 mm long 15 mm dia 'B' class GI pipe in the bottom surface for drainage of water etc., cutting & threading of pipe, i/c leveling of housing box with suitable instrument etc, painting of box with one coat of primer and two coats of black enamel paint and installation of housing box in soil providing base cement concrete of 1:3:6 of size 630 x 630 x 100 mm thick, and PCC of 1:2:4 all around the housing box of width not less than 150 mm and pedestal of 0.30 mtr. and 0.10 mtr. thick all around the box making suitable slop to level of runway all around the housing box, painting, lettering, numbring etc i/c disposal of excavated earth, debris/malba and making good the same as original complete as required.	84.00	Each	3000.00	252000.00
12.00	Laying of one number XLPE insulated and PE sheathed primary circuit cable of 5 KV grade of following size in the existing RCC/ HUME/ METAL pipe/ HDPE Pipe/ Open masonry duct etc. as required. (a) Single Core 6.0 sq. mm	19500.00	Meter	50.00	975000.00
13.00	Kerf cutting with machine in taxiway/runway/apron of PQC/bituminous surface of depth upto 100 mm and width upto 25 mm for 1 or 2 nos secondary lead AFL cable along with laying of secondary lead and earth cable by wrapping cotton tape i/c filling the same by suitable sealing material of reputade make etc complete as required i/c disposal of excavated PQC/ bitumin, debris/malba and making good the same as per instruction of EIC.	2069.00	Meter	900.00	1862100.00
14.00	Laying of one number 2 X 4 sq mm AFL secondary cable along with 1 X 2.5 sq mm earth cable of voltage grade not exceeding 1.1 KV in the existing RCC / HUME / METAL / GI / HDPE pipes etc. as required.	389.00	Meter	50.00	19450.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
15.00	Supply and laying of follwing size double wall corrugated high density polyethylene (DWC HDPE pipe) pipe confirming to IS:14930 (part-2) with latest amendment, complete with accessories like couplers, bends, tee etc. in the soil for GLF work upto 750 mm deep, back filling & making good the same as per site requirement. (a) OD 63 mm/ ID 50 mm	19500.00	Meter	320.00	6240000.00
16.00	Supply and Fixing of secondary Connectors (Male & Female) of size 2 x 4 Sq.mm multi stranded annealed conductor CPE sheathed unshielded cable of 600 V grade on one end.	119.00	Nos.	1600.00	190400.00
17.00	Earthing with 'B' class G. I. earth pipe 4.5 mtrs. long x 40 mm dia i/c accessories and providing masonry enclosures with cover plate having locking arrangement & watering pipe etc. i/c charcoal/ coke and salt complete as required.	8.00	Nos.	11500.00	92000.00
18.00	Supply & laying earth connections from earth electrode with 6 SWG dia G.I. wire in 15 mm dia G. I. pipe from earth electrode etc. as required.	96.00	Meter	300.00	28800.00
19.00	Supply and fixing 6 SWG G. I. wire on surface or along with primary AFL Cable for loop earthing i/c necessary connection with isolating trasformer housing box etc. complete as required.	19500.00	Meter	48.00	936000.00
20.00	Supply of green color single core 2.5 Sq.mm PVC insulated copper conductor earth wire complete as required.	2549.00	Meter	150.00	382350.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
21.00	Installation, Testing & Commissioning of CCR of capacity 2.5 KW including termination of incoming and outgoing power and control cable, inter connection, making suitable size of PCC foundation, earthing & shifting, transportation, loading & unloading from store to CCR Room etc. complete as required i/c providing remote cable approx 30mtr. laying integration with existing ALCMS modification as per site requirement & as per direction of the EIC.	3.00	Each	15000.00	45000.00
22.00	Making field connection by crimping of 6 sq. mm plug & receptacle with existing 6 sq. mm single core copper conductor primary airfield cable i/c filling the gap with water sealant material applying HTPVC insulation tape etc. complete as required.	135.00	Set	200.00	27000.00
23.00	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	10.00	Cum	2000.00	20000.00
24.00	Constructing masonry Chamber for GLF cables size 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) and 100 mm RCC top slab 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) , i/c necessary excavation, 150mm foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	10.00	Job	18000.00	180000.00
	Total amount (in Rupees)(Excl. GST)				2,58,08,230.00
	After reverse auction quoted amount (Rs. 2,21,94,312.00/- Excl. GST) is 14.002969% below from the quoted amount of Rs. 2,58,08,230/- (Excl. GST) (before reverse auction) (-) 14.002969% of Rs. 2,58,08,230/-				(-) 36,13,918.45
	Final rates quoted after reverse auction (Excl. GST)				2,21,94,311.55
	Say Rs.				2,21,94,312.00

(Rupees Two Crores Twenty One Lakh Ninety Four Thousand Three Hundred Twelve Only).

Signature Not Verified

Digitally signed by Sumit Gupta

Date: 2025.06.30 17:09:09 IST

Location: eProcurement System for Central

कुमार ठाकरे
Pran Kumar Thakre
उप निदेशक (अभि.-विद्युत)
PSUs Manager (Engg.-Elect.)
भोविप्र, ना भोज हवाईअड्डा, भोपाल
AAI, Bhoj Airport, Bhopal

16/6/2025
Dy. General Manager (E-E)
AAI, R.B. Airport, Bhopal.