



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

विद्युत अभियांत्रिकी अनुभाग
ELECTRICAL ENGINEERING WING

संदर्भ सं.: भा.वि.प्रा./BBSR/ उप महाप्रबंधक (अभि-विद्युत)/WO-28/2024-25/ 5/26 - 35 दिनांक: 19.09.2024.

सेवा में/To,

स्पीडपोस्ट द्वारा / By Speed Post

मेसर्स वर्धमान एयरपोर्ट सॉल्यूशन प्राइवेट लिमिटेड e-mail:praveen.dubey@vardhmanairports.com

M/s Vardhman Airport Solution Pvt Ltd

पहली और दूसरी मंजिल, प्लॉट नंबर:-13/C और 13/3, रामा रोड साइड

1st & 2nd Floor, Plot No:-13/C & 13/3, Rama Road Side

इंडस्ट्रियल एरिया, नजफगढ़ रोड

Industrial Area, Najafgarh Road

दिल्ली-110015 / Delhi-110015

कार्य का नाम एसआईटीसी ऑफ स्मार्ट विजुअल डॉकिंग गाइडेंस सिस्टम एट बि.पि. आई. एयरपोर्ट, भुवनेश्वर
एस.एच.- प्रोविजन ऑफ पावर सप्लाय एंड एसोसिएटेड वर्क्स

Name of Work: SITC of Smart Visual Docking Guidance System at B.P.I. Airport, Bhubaneswar.
SH- Provision of Power Supply and Associated Works

महोदय/Dear Sir(s),

Ref: Your e-Tender opened dated 23.08.2024 for Tender ID No. 2024_AAI_199947_1.

1. उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मंड वर जिसकी कुल राशि रु. 29,85,453.00 (उत्तीस लाख पचासी हजार चार सौ तिरपन रुपया मात्र) बीएसटी को छोड़कर जो कि निविदा की अनुमानित लागत रु. 50,97,129.00 से 41.43% नीचे है, स्वीकृत की जाती है।

Your e-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at item rates quoted by you totaling to Rs.29,85,453.00 (Rupees Twenty Nine Lakhs Eighty Five Thousand Four Hundred and Fifty Three Only) Excluding GST which is 41.43% (Forty One Point Four Three Percent) below the Justified cost of Rs.50,97,129.00.

2. उप महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपको अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक 30.09.2024 के अंदर उप महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर के कार्यालय में उपस्थित हों। संविदा करार रु 100/- (सौ रुपये मात्र) के न्याबिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Dy. General Manager Engg. (E), AAI, B.P. International Airport Bhubaneswar, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Dy. General Manager Engg. (E), AAI, B.P. International Airport, Bhubaneswar by 30.09.2024 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100.00 (Rupees One Hundred only) and the cost of stamp paper shall be borne by you.

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3. कृपया इस पत्र के जारी होने के 10 दिन के भीतर सुरक्षा जमा के लिए रु. **2,98,545.00** (दो लाख अठ्ठावनवे हजार पाँच सौ पैंतालीस रुपये मात्र) जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा वस्तावेज के पृष्ठ 16 पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs. 2,98,545.00 (Rupees Two Lakhs Ninety Eight Thousand Five Hundred and Forty 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 conditions of Clause No - 1A page 16 of Clauses of the contract document.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन) केंद्रीय नियमावली 1971 बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण वर्कर्स (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण अपकर अधिनियम 1996 जैसा कि निविदा के जीसीसी के पृष्ठ संख्या 68 पर धारा 19 में जीसीसी आफ निविदा निर्दिष्ट है तथा केंद्रीय और राज्य सरकारों के नियमों का अनुपालन करें।

You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 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.68 of GCC of Tender and rules of Central and State Governments.

5. आपको निदेश दिए जाते हैं कि आप सहायक महाप्रबंधक (अभी.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.ए.अ. हवाईअड्डा से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल हस्तांतर करने की व्यवस्था करेंगे।

You are also directed to contact the Asst General Manager Engg (E), AAI, B.P. International Airport, Bhubaneswar immediately, who will arrange to handover the site to you.

6. पया यह नोट कर लें कि काम पूरा करने का समय **03 (तीन)** महीने है, जिसे इस पत्र के जारी होने की तारीख से 10 दिन बाद गिना जाएगा।

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

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7. कृपया ध्यान दें कि त्रुटि की देयता अवधि कार्य पूरा होने की तारीख से बारह महीने की होगी।

Please note that the defect liability period shall be **Twelve Months** from the date of completion of work.

8. संविदा के संबंध में आगे किया जाने वाला पत्राचार सामान्यतः प्रभारी इंजीनियर से किया जाए।

Any further correspondence in connection with the contract should normally be addressed to the Engineer - in - Charge.

9. कृपया ध्यान दें कि यदि उपरोक्त हिंदी और अंग्रेजी संस्करण के प्रावधान में कोई अंतर/विरोधाभास या विरोधाभास है, तो अंग्रेजी संस्करण मान्य होगा।

Please note if there is any difference/discrepancy or contradiction in the provision of Hindi and English version in above, the English version shall prevail

10. कृपया इस पत्र की पाकती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्त के रूप में विधिवत हस्ताक्षर करके हमें वापस भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to undersigned as a token of acceptance.

धन्यवाद / Thanking you,

भवदीय / Yours Faithfully,

Sd -

उप महाप्रबंधक (अभी. - विद्युत)/Dy.GM. Engg. (Elect.)

भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar

कृते अध्यक्ष, भाविप्रा, नई दिल्ली/On Behalf of Chairman AAI New Delhi

/ Encl: 1. शिखूल औफ क्वांटिटीज / Schedule of quantities.

Copy to:-

NOO, (External) :

1. Labour Commissioner (Central), Kendriya Shrama Sadan, Plot no. N-7/6 & 7, IRC Village, Behind ISCON Temple, Nayapalli, Bhubaneswar - 75, Odisha.
2. Regional Provident Fund Commissioner, Vabisiyanidhi Bhawan, Janpath, Unit IX, Bhubaneswar, Odisha.
3. The Regional Commissioner, Employee State Insurance Corporation, Panchadeep Bhawan, Janpath, Unit IX, Bhubaneswar, Odisha.



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ELECTRICAL ENGINEERING WING

आंतरिक / Internal :

1. विमानपत्तन निदेशक, भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The Airport Director, AAI, B.P. International Airport, Bhubaneswar.
2. उप महाप्रबंधक (विद्युत व सेवा), भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The Dy. General Manager (F&A), AAI, B.P. International Airport, Bhubaneswar
3. सहायक महाप्रबंधक (अभि. - विद्युत) भा.वि.प्रा., बी.प.अ. हवाई अड्डा, भुवनेश्वर।
The Asst. General Manager (Engg. - Elect), AAI, B.P. International Airport, Bhubaneswar
4. प्रबंधक (अभि. - विद्युत) भा.वि.प्रा., बी.प.अ. हवाई अड्डा, भुवनेश्वर।
Manager (Engg. - Elect), AAI, B.P. International Airport, Bhubaneswar
5. अनुबंध फाइल / Agreement Copy.
6. कार्य फाइल / The Works File.

Signature
19.09.24.

उप महाप्रबंधक (अभि. - विद्युत)/Dy.GM. Engg. (Elect.)

भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar
कृते अध्यक्ष, भाविप्रा, नई दिल्ली/On Behalf of Chairman AAI New Delhi

Signature

Signature
19.09.24.

Airports Authority of India
B.P.I Airport, Bhubaneswar
Schedule of Quantity

Name of Work:-SITC of Smart Visual Docking Guidance System at B.P.I. Airport, Bhubaneswar.

SH:-Provision of Power Supply and Associated Works

Sl No.	Description of item	Unit	Qty	Rate	Amount
1	Supply of 6 Core Single Mode Multi tube Armoured Optical Fiber Cable (OFC).	Meter	1000	73.84	73840.00
2	Laying of 6 Core Single Mode Multi tube Armoured Optical Fiber Cable (OFC) in existing Hume pipe / duct / cable tray / surface/structural steel/HDPE Pipe etc. complete as required.	Meter	1000	16.20	16200.00
3	End Termination (Splicing) of single mode fiber optic cable, 1 Core with Optical Time Domain Reflectometer (OTDR) testing service complete with jointing accessories complete as required.	Nos.	48	5467.50	262440.00
4	Supply, Installation, Testing & Commissioning of Optical Fiber Patch Cord - 2 Mtr (Single Mode) including Duplex SC to Duplex LC connector.	Nos.	10	1625.90	16259.00
5	Supply, Installation, Testing & Commissioning of 24 Port LIU (19" Rack Mount type) including 12 X Duplex SC connector and 12 X SM Duplex Pigtail, suitable for Operating Temperature range -20 deg. C to +70 deg C.	Each	1	13419.00	13419.00
6	Supply, Installation, Testing & Commissioning of 8 Port LIU (Din rail Mount type) including 3 X Duplex SC connector and 3 X SM Duplex Pigtail, suitable for Operating Temperature range -20 deg. C to +70 deg C .	Each	4	10763.60	43054.40
7	Supply, Installation, Testing & Commissioning of 8 Port unmanaged Gbe switch with 2 X SFP Port, Din Rail Mount Type, Ethernet Port - 8x10/100/1000 BASE-T ports, suitable for 24VDC, Operating Temperature range -20 deg. C to +70 deg. C .	Each	4	57254.40	229017.60
8	Supply, Installation, Testing & Commissioning of 24 Volt DC SMPS (Din Rail Mount Type) suitable for 230V AC, 50Hz input & 24V DC output, Operating Temperature range -20 deg. C to +70 deg. C .	Each	4	3990.20	15960.80
9	Supply, Installation, Testing & Commissioning of SFP Optical Fiber Converter Module Duplex LC, 1310nm wavelength, 1.25Gbps or heigher speed, suitable for Single Mode Fiber, 20KM operating Distance, Operating Temperature range -40 deg. C to +85 deg. C	Each	8	13987.00	111896.00

Sl No.	Description of item	Unit	Qty	Rate	Amount
10	Supply, installation, testing & commissioning of suitable size IP 55 dust and vermin proof, outdoor type enclosure fabricated in compartmentalized design from 2 mm CRCA sheet with powder coated paint with gasket, cooling fan, hinged door compartments with front side having locking arrangement to accommodate following items as mentioned below. Entire enclosure shall have a common Cu earth bar of size 20 mm x 3 mm, din rail mounting plate, suitable PCC foundation, mounted 600mm above the ground level on MS Angle of size 40mm x 40mm x 4mm conforming to relevant IS specification comprising of following:- (a) 01 Compartment having-01 Nos Incoming of 63 A 4P MCB & 05 Nos outgoing 25A DP MCB. (b) 01 Compartment to accommodate-01 Nos Gigabit Ethernet Switch & 01 Nos LIU Unit. (c) 01 Compartment to accommodate upto 03 No. UPS units (3 separate sub-compartment) (d) 01 compartment to accommodate upto 12 No. batteries (separate sub-compartments)	Each	4	57084.00	228336.00
11	Supply, installation, testing & commissioning of steel frame powder coated Floor Standing Rack 24U with front door lockable double toughened glass door or perforated along with 19 inch mounting angles made of formed steel conforming to DIN 41494 or equivalent standard.	Each	1	41393.00	41393.00
12	Supply of 32 mm dia OD ISI marked HDPE pipe as per IS:4984:2016, of rating PE 80, PN 10 with upto date amendments complete with all accessories like 4 mm nylon rope, socket, bends and couplers etc. as required.	Meter	2500	56.80	142000.00
13	Laying of 32 mm HDPE pipe in open existing open duct/chamber complete as required.	Meter	1700	40.50	68850.00
14	Laying of 32 mm HDPE pipe in ground by Cutting kerf of suitable size in taxiway/apron of PQC/bituminous surface i/c chipping, hammering, cleaning & drying etc. & refilling the kerf with sealant material including primer etc. as reqd. in bitumin/PQC area complete as required.	Meter	800	337.50	270000.00
15	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Nos.	5	9648.90	48244.50
16	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Nos.	2	14029.60	28059.20
17	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Meter	20	798.04	15960.80
18	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Meter	50	266.25	13312.50

SI No.	Description of item	Unit	Qty	Rate	Amount
19	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Meter	100	329.44	32944.00
20	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Meter	100	30.10	3010.00
21	Supply of 3 CX10 sqmm, FR-LSH XLPE Insulated Armoured Copper Conductor, with voltage rating of 1100 Volt Conforming to IS:7098 ,Part-I With upto date amendments complete as required.	Meter	2500	469.49	1173725.00
22	Laying of one number, 3 Cx10 sqmm, FR-LSH XLPE Insulated Armoured Copper Conductor in the existing RCC/metal/HDPE/Hume/surface complete as required.	Meter	2500	27.00	67500.00
23	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed I XLPE aluminium conductor cable of 1.1 kV grade as required.				
23.1	3 X 10 sq. mm (22mm)	Nos.	4	288.00	1152.00
24	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed I XLPE aluminium conductor cable of 1.1 kV grade as required.				
24.1	3 X 16 sq. mm (22mm)	Nos.	5	797.00	3985.00
25	Supply, installation, testing and commissioning of 3 KVA UPS with 30 mins battery back up including provision of necessary battery rack, battery to UPS cabling, termination etc. complete as required.	Each	1	64894.00	64894.00

Total Rs 2985452.80

Say 2985453.00

Note

1 GST Extra Applicable.

2 AAI GSTIN:-21AAACA6412D1ZK.

(Rupees Twenty Nine Lakhs Eighty Five Thousand Four Hundred and Fifty Three Only)

Dy. General Manager Engg(E)
AAI, B.P.I. Airport Bhubaneswar