



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

विद्युत अभियांत्रिकी अनुभाग
ELECTRICAL ENGINEERING WING

संदर्भ सं.: भा.वि.प्रा./BBSR/ सहायक महाप्रबंधक (अभि.-वि.)-II/WO-09/159/2020-21/1535-44 दिनांक: 31.07.2020

सेवा में/To,

हाथ द्वारा / By Hand

मेसर्स यंगमेन ट्रेडर्स,
M/s Youngmen Traders,
पी. 27/1, राष्ट्र गुरु एवेन्यू,
P-27/1, Rastra Guru Avenue,
कोलकाता - 700 028 / Kolkata - 700 028

ई-मेल: boseranjan@hotmail.com

विषय: प्रोविजन अफ एल.इ.डी गाइडानस साईनबोर्ड्स फर अपरेशनल एरिया एंड एसोसिएटेड वर्क्स एट बी.पी.आई एयरपोर्ट, भुवनेश्वर।

Subject: Provision of LED Guidance Signage Boards for operational area and associated works at B.P.I Airport, Bhubaneswar.

महोदय/Dear Sir(s),

Ref: Your e-Tender opened dated 28.02.2020 for Tender ID No. 2019_AAI_42863_1.

- उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. **44,29,820.00** (चवालीस लाख उनतीस हजार आठ सौ बीस रुपये मात्र) जीएसटी को छोड़कर जो कि निविदा की अनुमानित लागत रु. **54,68,180.00** से **18.99%** निचे 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. **44,29,820.00 (Rupees Forty Four Lacs Twenty Nine Thousand Eight Hundred and Twenty only)** Excluding GST which is **18.99% (Eighteen Point Nine Nine Percent)** below the Justified cost of Rs. **54,68,180.00**

- संयुक्त महाप्रबंधक (अभि.- विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक **14.08.2020** के अंदर सहायक महाप्रबंधक (अभि.-विद्युत)-I, भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर के कार्यालय में उपस्थित हों। संविदा करार रु **100.00**. (एक सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Jt. 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 **Asst. General Manager Engg. (E)-I, AAI, B.P. International Airport, Bhubaneswar by 14.08.2020** 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.

Cont...2..

YOUNGMEN TRADERS

Umesh Prasad
31-7-2020

31/7/2020

कार्यालय निदेशक विमानपत्तन, बिजु पटनायक अंतर्राष्ट्रीय एयरपोर्ट, भुवनेश्वर -751020, दूरभाष-0674-2596300, फैक्स- 0674-2596317/302
Office of the Airport Director, Biju Patnaik International Airport, Bhubaneswar-751020, Phone: 0674-2596300, Fax: 0674-2596317/302

भारतीय विमानपत्तन प्राधिकरण
AAI, B.P. INTERNATIONAL AIRPORT, BHUBANESWAR



भारतीय विमानपत्तन प्राधिकरण
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3. आपकी निविदा के साथ प्राप्त बयाना राशि रु. **1,09,364.00** (एक लाख नौ हजार तीन सौ चौंसठ रुपया मात्र) सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया इस पत्र के जारी होने के १० दिन के भीतर सुरक्षा जमा के लिए रु. **3,33,618.00** (तीन लाख तैंतीस हजार छह सौ अठारह रुपया मात्र) जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा दस्तावेज के पृष्ठ १७ पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

The Earnest Money amount of **Rs.1,09,364.00 (Rupees One Lacs Nine Thousand Three Hundred and Sixty Four only)** received along with your e-tender will be treated and converted as a part of Security Deposit. Please deposit **Rs.3,33,618.00 (Rupees Three Lacs Thirty Three Thousand Six Hundred and Eighteen 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 17 of Clauses of the contract document.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम १९७० और संविदा श्रमिक (विनियमन एवं समापन) केन्द्रीय नियमावली १९७१ बाल श्रम (निषेध और विनियमन) अधिनियम १९८६, निर्माण वर्कर्स (रोजगार और सेवा की शर्त का विनियमन) अधिनियम १९९६, भवन और अन्य निर्माण श्रमिक कल्याण अपकर अधिनियम १९९६ जैसा कि निविदा के जीसीसी के पृष्ठ संख्या ५१ पर धारा १९ 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.51 of GCC of Tender and rules of Central and State Governments.

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

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

Cont...3

N. K. Patra

सहायक महाप्रबंधक अभियांत्रिकी (विद्युत)
Asst. General Manager (E.E)

१. वि. प्र. बीजू पटनायक अंतरराष्ट्रीय हवाई अड्डा, भुवनेश्वर
AAI, BJA PATNAIK INTERNATIONAL AIRPORT, BHUBANESWAR



भारतीय विमानपत्तन प्राधिकरण
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ELECTRICAL ENGINEERING WING

6. कृपया 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 Months** and same shall be reckoned from 10th day after the date of issue of this letter.

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 इस पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति 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,

(Handwritten Signature)

सहायक महाप्रबंधक (अभी - विद्युत) - II / Asst. General Manager (Engg.-Elect.)-II
भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar
कृते अध्यक्ष, भाविप्रा, नई दिल्ली

संलग्न / Encl: 1. शिड्यूल ऑफ क्वान्टीटीज / Schedule of quantities.

.O.O. (External):

1. Labour Commissioner (Central), Kendriya Shrama Sadan, Plot no. N-7/6 & 7, IRC Village, Behind ISCON Temple, Nayapalli, Bhubaneswar - 15, Odisha.
2. Regional Provident Fund Commissioner, Vabisyanidhi 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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विद्युत अभियांत्रिकी अनुभाग
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. संयुक्त महाप्रबंधक (अभी. – विद्युत), भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The Jt. General Manager (Engg. - Elect), AAI, B.P. International Airport, Bhubaneswar
3. उप महा प्रबंधक (वित्त व लेखा), भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The DGM. (F&A), AAI, B.P. International Airport, Bhubaneswar
4. प्रबंधक (अभि. – विद्युत)-१, भा.वि.प्रा., बी.प.अ. हवाई अड्डा, भुवनेश्वर।
The Manager (Engg. - Elect)-III, AAI, B.P. International Airport, Bhubaneswar
5. अनुबन्ध फाइल / Agreement Copy.
6. कार्य फाइल / The Works File.

सहायक महाप्रबंधक (अभी – विद्युत)-II/Asst. General Manager (Engg.-Elect.)-II
भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar
कृते अध्यक्ष, भाविप्रा, नई दिल्ली

AIRPORTS AUTHORITY OF INDIA
B.P.INTERNATIONAL AIRPORT BHUBANESWAR-751020
SCHEDULE OF QUANTITIES

NAME OF WORK : Provision of LED Guidance Signage Boards for operational area and associated works at B.P.I Airport, Bhubaneswar.

Sl. No	Description of Item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1	Supply, Installation, Testing and Commissioning of illuminated LED based Mandatory/ Information/Location/VOR Check point Runway/Taxi guidance signage of various sizes made out of 4mm thick glare free polycarbonate sheet at front and body made out of 2.0mm thick powder coated aluminium profile having minimum width of 150mm and supported at back by 50mm dia(Normal size) die cast aluminium/GI pipe at a separation as required, and frangible coupling including necessary concrete foundation and fixing arrangement as required as per site condition and requirement. Light source shall be highly luminous, long life typical 50000 hrs. minimum, 0.5 watts LED's assembled on aluminium PCB with suitable size and having minimum 11 LED's per PCB for boards having height 800mm & 500mm X 20mm PCB having minimum 08 LED's per PCB for board having height 600mm respectively. The thickness of the aluminium PCB should be 2mm in order to ensure proper heat dissipation. These aluminium PCB's should be placed not more than 160mm apart as per the requirements for uniform distribution of light without any dark patches & as per ICAO specification across the length of the board in order to ensure uniform distribution of light across the board. Each board having length from 800mm up to 300mm should be illuminated by a single converter & by using single isolating transformer of suitable wattage in order to save the capital cost of multiple isolating transformer, Signages shall be suitable for operation on series circuit at variable current from 2.8Amp-6.6Amp and will give constant brightness for all current variation. All the signages shall have letters and symbols made from LG/3M vinyl by computerized cutting of vinyl and pasting on the polycarbonate sheet from inside/outside of the sign face of required color including base plate as per ICAO specifications and Tender specifications and directions of Engineering In-Charge.	55	SqMtr	32000.00	1760000.00
2	Supply of following sizes 5 KV grade PVC insulated & PVC sheathed, antitermite & anti-rodent, multi-stranded copper conductor single core Airfield lighting cable conforming to IS 1554 (Part-II) with up to date amendments and confirming to tenders technical specifications, terms & conditions etc. complete as required as per site condition & direction of Engineering In-Charge.				
a)	16 sq mm	500	Mtr	140.00	70000.00
3	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc as required.	10	Job	8000.00	80000.00
4	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Joining shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	100	Mtr	425.00	42500.00
5	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	30	Mtr	175.00	5250.00
6	Supplying and laying 6 SWG G.I. wire at 0.50 meter below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	60	Mtr	22.00	1320.00
7	Supply of 5 KV grade, 16 sq mm plug and receptacle of type-I, class "B" connector kit as specified in technical specification and as per the direction of engineer-in-charge.	100	Set	350.00	35000.00
8	Supply of Unidirectional elevated type high intensity Runway Edge Light fitting including 200W, 6.6A halogen lamp completes with all accessories including lamp and green spreader lenses, C.I. Base plate with minimum 03 nos. M-10 stainless steel bolts etc. complete as required for runway lights as mentioned in technical specification confirming to latest ICAO standards /requirement complete as required.	70	Each	9000.00	630000.00

N. K. Patra

सहायक महाप्रबन्धक अभियन्ता (विद्युत)
 Asst. General Manager (E.E)

भारतीय वायुसेना
 B.P. INTERNATIONAL AIRPORT, BHUBANESWAR

Sl. No	Description of Item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
9	Supply of Bi-directional elevated type high intensity Runway Edge Light fitting including 200W, 6.6A halogen lamp complete with all accessories including lamp and lenses (Green and Red) i/c 360 degrees filters, C.I. Base plate with minimum 03 nos. M-10 stainless steel bolts etc. complete as required for runway lights as mentioned in technical specification confirming to latest ICAO standards /requirement complete as required.	55	Each	10000.00	550000.00
10	Installation, Testing, and Commissioning of elevated type HIRL and MIRL fittings on the existing transformer housing boxes/collar including installation of Isolating transformer, lens, lamps, laying of secondary lead upto 8 meters in pipe and other accessories, alignment, leveling and making transformer connections, earth connections etc complete as required.	120	Each	150.00	18000.00
11	Installation, Testing, and Commissioning of inset type high intensity runway edge /approach light fitting including core cutting in the bitumen/ runway surface fixing with suitable compound & hardener and all other accessories complete as required as per site condition & direction of Engineering In-Charge.	60	Each	11000.00	660000.00
12	Temporarily installation of C.I. collar using suitable length min.10cm Anchor fastner nut and bolts at both side of Runway Thershold during installation of C.I.Housing boxes for End and Threshold light fittings etc complete as required, as per site condition & direction of Engineering In-Charge.	40	Each	300.00	12000.00
13	Making field connections by crimping 6/16 sq. mm plug and receptacle with existing 6/16 sq. mm single core PVC copper conductor cable including filling the gap with water sealant material and applying PVC insulated tape etc. complete as required, as per site condition & direction of Engineering In-Charge.	20	Set	125.00	2500.00
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 5 KV grade of following size in the existing RCC/ HUME/ METAL/HDPE pipe as required, as per site condition & direction of Engineering In-Charge.				
a)	up to 25 Sq mm	400	Mtr	45.00	18000.00
15	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 5 KV grade of following size on wall surface as required, as per site condition & direction of Engineering In-Charge.				
a)	up to 25 Sq mm	200	Mtr	45.00	9000.00
16	Dismantaling and Re-Installation, Testing, and Commissioning of elevated type HIRL/MIRL / inset / Signage fittings on the existing collar including installation of Isolating transformer, lens, lamps, laying of secondary lead upto 8 meters in pipe and other accessories, alignment, leveling and making transformer connections, earth connections etc. complete as required as per site condition, & direction of Engineering In-Charge.	600	Job	200.00	120000.00
17	Supply of MS Cover plate of thickness 10 mm for C.I.Housing boxes/C.I.Collar of 330 mm outer dia as mention in item no-8 & 9 including 6 nos M10 tapped hole match with the above C.I.Housing/Collar.	50	Each	1350.00	67500.00
18	Supply of C.I isolating transformer housing box, water tight round type, metal container of outside size 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 on the top and underground housing associated with transformer power cable and having a clear hole at three side surface centre 75 mm above bottom surface suitable to receive of 63 mm dia (outer dia) HDPE/G. I. pipe and including check nuts as required and another hole at 175 mm from the bottom of the CI box to receive one no. 15 mm dia, "B" class, GI pipe and check nut as required. The box should have two SS earth bolts of M10 x 30 mm tapped inside near the hole 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 at the hole centre 260 mm to receive fitting base plate and bolts as required as per the drawings.				
a)	Triple Hole type	20	Each	4800.00	96000.00

N. K. Patra

Asst. General Manager (E.E.)

ATMA INTERNATIONAL AIRPORT, Bhubaneswar

Sl. No	Description of Item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
19	Installation of transformer housing boxes with a base concrete of 1:3:6 of size 630 x 630 x 100 mm thick all round concrete of 1:2:4, 150 mm thick, the top sloped with 1:2:4 cement including providing and fixing 250 mm long 15 mm dia "B" Class GI pipe with check nut for drainage of water including excavation of side shoulder and refilling etc complete as required.	20	Each	2200.00	44000.00
20	Supply of Stainless Steel M-10 Bolts (Set of 6 bolts) Suitable for Runway / Taxi light Fitting, as per site condition & direction of Engineering In-Charge.	50	Set	75.00	3750.00
21	Supply of Base plate Neoprene Rubber Gasket of 3 mm thickness suitable for elevated type Airfield light fittings, as per site condition & direction of Engineering In-Charge.	50	Each	50.00	2500.00
22	Supply and drawing of following Size of FRLS PVC insulated Copper Conductor in the existing Steel/PVC Conduits/HDPE Pipe for secondary supply of GLF fitting from isolating transformer including two pin secondary lead as per tender specification, site condition & direction of Engineering In-Charge.				
a)	3 x 4 sq mm copper conductor cable (3 runs of 4 sqmm)	1500	Mtr	135.00	202500.00

Total Rs. 4429820.00

(Rupees Forty Four Lacs Twenty Nine Thousand Eight Hundred and Twenty only)
Note: GST Extra, as applicable

Nirad Kumar
Asst. General Manager Engg. (E)-II
AAI, B.P.I Airport, Bhubaneswar

Signature Not Verified

Digitally signed by PATRA NIRAD KUMAR
Date: 2020.09.17 11:41:41 PDT
Location: eProcurement System for Central PSUs