



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Ref. No. AAI/Kushinagar /Engg-(E)/WO-3/2022-23/

DATE:- 20.10.2022

सेवा में,
मेसर्स टेक्नो इलेक्ट्रिकल्स, 2/65,
उदयपार्क सोसायटी, रिफाइनरी रोड,
गोरवा, वडोदरा- 390016.

To,
M/s Techno Electricals, 2/65,
Udaypark society, Refinery Road,
Gorwa, Vadodra- 390016.
Email id- girish690@gmail.com

कार्य का नाम:- कुशीनगर हवाई अड्डे पर टैक्सीवे और आइसोलेशन बे लाइटिंग और जीएलएफ संबद्ध कार्यों का प्रावधान
[उपशीर्ष : प्रोवाडिंग टैक्सीवे लाइट्स एण्ड इलुमिनेशन आफ आइसोलेशन बे]

Name of Work: Provision of Taxiway & Isolation Bay lighting and GLF allied works at Kushinagar Airport [SH: Providing Taxiway Lights & Illumination of Isolation Bay]

संदर्भ :- आपका ई-टेंडर पोर्टल (E - Bid No. - 2022_AAI_124120_1) 30.09.2022 खोला गया

Ref:-Your E-Tender portal(E - Bid No. - 2022_AAI_124120_1) opened on 30.09.2022.

Sir,

- उपरोक्त उल्लिखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गये मद मूल्यों पर आपकी टेंडर राशि कुल **₹61,78,035/-** (शब्दों में इकसठ लाख अठहत्तर हजार पैंतीस मात्र) जी. एस. टी. रहित है, जोकि टेंडर की जायज़ लागत **₹80,89,045/-** से **23.62%** कम है।

Your tender for the above mentioned work submitted through e-portal is hereby accepted on behalf of Chairman, Airports Authority of India at the items rates quoted by you amounting to Rs. **61,78,035/-** (Rupees Sixty One Lakhs Seventy Eight Thousand **Thirty Five Only**) without GST. Which is **23.62%** below the Justified cost put to tender of, Rs. **₹80,89,045/-**

- सहायक महाप्रबंधक (इंजी-विद्युत), कुशीनगर विमानपत्तन कार्य के प्रभारी अभियन्ता होंगे। आप से निवेदन है कि आप दिनांक **05.11.2022** तक सहायक महा प्रबंधक (इंजी-विद्युत), कुशीनगर हवाई अड्डा के कार्यालय में उपस्थित हों या आपकी ओर से एक विश्वसनीय प्रतिनिधि प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर के लिए अधिकृत हो तथा करारनामे को पूरा करें। ठेके का करारनामा 100/- के नोन ज्यूडीशियल स्टाम्प पेपर पर निष्पादित किया जाएगा, तथा पेपर का खर्च आपके द्वारा उठाया जाएगा।

Asst. Gen. Manager (E-E), AAI, Kushinagar International Airport, Kushinagar shall be the Engineer-In-charge of the work. You are requested to attend the office of AGM (E-E), Kushinagar International Airport, Kushinagar by **05.11.2022** or depute your accredited representative, empowered on your behalf to sign and complete the contract agreement. The contract agreement shall be executed on a non- judicial stamp paper of value **₹100/-** (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.

- आपकी अर्नेस्ट मनी जमा **₹1,61,680/-** निविदा के साथ प्राप्त राशि को एसडी के हिस्से के रूप में परिवर्तित कर दिया जाएगा। हालांकि, सीपीपी पोर्टल के माध्यम से राशि की ईएमडी वापस करने पर उतनी ही राशि रनिंग बिल से काट ली जाएगी। रुपये की राशि के लिए इस पत्र के जारी होने की तारीख से 15 दिनों के भीतर सुरक्षा राशि **₹4,56,124/-** (रुपये दो लाख साठ हजार छह सौ तेईस मात्र), अन्यथा वही राशि जो जीसीसी के पृष्ठ संख्या 18 पर खंड संख्या में दी गई है। शर्त 1ए के अनुसार कटौती की जाएगी

Conted. Page 2 ...

OFFICE OF AIRPORT DIRECTOR, KUSHINAGAR INTERNATIONAL AIRPORT, KUSHINAGAR- 274402

Your earnest money deposit Rs.1,61,680/- the received along with tender will be converted as the part of SD. However, the same amount will be deducted from the running bill, if the EMD of amount refunded through CPP portal. The security amount due within 15 days from the date of issue of this letter for the amount of Rs. **4,56,124/-** (Rupees Four lakhs Fifty Six Thousand One Hundred Twenty Four only), otherwise the same amount as given on page number 18 of GCC in clause no. will be deducted as per condition 1A.

4. आप से निवेदन है कि आप केन्द्रीय और राज्य सरकार के 1970 के अधिनियम अनुबंध, श्रम नियम तथा 1971 केन्द्रीय नियम अनुबंध श्रम नियम (नियमन तथा उन्मूलन एवं केंद्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का 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 including Provident Fund.

5. श्रम के विभिन्न विधानों के अनुसार संबन्धित अधिकारियों से लाइसेंस/अनुमति लेने व पालन करने के लिए एकमात्र दायित्व ठेकेदार (करार फर्म/कंपनी सहित) का होगा जिसमें संविदा श्रम (विनियमन एवं उन्मूलन) अधिनियम, 1970 के अंतर्गत लेबर लाइसेंस लेना भी शामिल है।

It shall be the sole liability of the contractor (including the contracting firm/company) to obtain and to abide by all necessary licenses/permissions from the authorities concerned as provided under the various labour legislations including the labour license obtained as per the provisions of the Contract Labour (Regulation & Abolition) Act, 1970.

6. ठेकेदार को उसके द्वारा तैनात कर्मियों का नियमित और प्रभावी पर्यवेक्षण और नियंत्रण सुनिश्चित करना होगा और संविदात्मक दायित्वों के पालन के लिए उपयुक्त दिशा देना होगा।

The contractor shall ensure regular and effective supervision and control of the personnel deployed by him and gives suitable direction for undertaking the contractual obligations.

7. आपके निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (इंजी-विद्युत)/प्रबन्धक(इंजी-विद्युत), कुशीनगर में मिलें वह आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact AGM (E-E)/Manager (E-E) Kushinagar Airport immediately who arrange to hand over the site to you.

8. कृपया नोट करले कि काम करने का अनुमानित समय 90 दिन है, जो की कार्य आदेश जारी करने के 10 दिन से गिना जाएगा।

Please note that the time allowed for carrying out the work shall be **90 Days** and same shall be reckoned from after **10** days issued of work order date. Time is essence of the contract.

9. इस ठेके के संबंध में आगे का कोई भी पत्राचार सहायक महाप्रबंधक (इंजी-विद्युत), कुशीनगर के पते पर किया जाए।

Any further corresponding in connection with the contract should normally be addressed to the Asst. Gen. Manager (E-E).

10. कृपया पावती स्वीकार करें और इस स्वीकृति के टोकन के रूप में अधोहस्ताक्षरी को हस्ताक्षर करने के बाद इसके साथ संलग्न पत्र की दूसरी प्रति वापस भेजे।

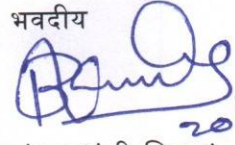
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

11. यदि कोई विसंगति पाई जाती है तो अंग्रेजी प्रारूप ही मान्य होगा।
In case any discrepancy is found then English version will be taken as correct.

धन्यवाद।

संलग्नक:- Schedule of Quantity

भवदीय



20/10/2022

सहायक महाप्रबंधक (इंजी-विद्युत)
भारतीय विमानपत्तन प्राधिकरण
कुशीनगर एयरपोर्ट, कुशीनगर (उ०प्र०)

SCHEDULE OF QUANTITY

Name of Work: Provision of Taxiway & Isolation Bay lighting and GLF allied works at Kushinagar Airport.

[SH : Providing Taxiway Lights & Illumination of Isolation Bay]

Sr.No	Description of Items	Qty	Unit	Rate	Amount
	Sub Head (I)- Taxi-C Illumination				
1.00	Supplying, Installation, Testing and Commissioning of 4 KW, Indoor type air cooled constant current regulator (CCR) of microprocessor controlled based suitable for operation on 240/415 Volts + 10%, 50 Hz input AC supply with 5 steps variation of suitable current output (2.8,3.4,4.0,5.2,6.6 Amps) suitable for local and remote control operation with suitable control supply and able to communicate with PC or PLC controlled system, with output current indicated on multifunction digital display, over current, over voltage, open circuit and earth fault protection and earthleakage meter, positive back indication equipments, relays, contactors, complete as required for the 4KW rating and confirming to TS specifications enclosed. (FAA Compliant).	1.00	JOB	260000	260000
2.00	Supply of Medium intensity elevated type omni directional LED Taxiway Edge Light Fitting with 1W LED including blue lens for LED and CI base plate and assembly with heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, lenses, connecting lead, all required hardware etc. as per confirming to ICAO Annex-14 requirement.	44.00	Each	4500.00	198000
3.00	Supply of LED Inset type Taxiway light fixture made of dia cast aluminium alloy shallow base with side entry and matching top fixture assembly with heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, lenses, connecting lead, all required hardware etc. as per confirming to ICAO Annex-14 requirement. (Inset type LED Taxiway Edge Light fitting omni directional Blue)	6.00	Each	44000.00	264000
4.00	Supply of 15 watt, 6.6A/6.6A, rating 5KV, 50 Hz series Isolating transformers encapsulated in polyster resin, finally moulded in neoprene type rubber and with primary and secondry connections confirming to specification as required.	49.00	Each	3000.00	147000
5.00	Supply of 6 Sqmm, 5 KV grade plug and receptacle of type 1 class B connector and suitable field attachment for 5 KV grade PVC insulated PVC sheathed single core 6 sqmm size copper conductor cable confirming to the specified specification etc complete as required.	97.00	Each	415.00	40255
6.00	Making field connections by crimping 6/16 sq.mm. plug & receptable with existing 6/16 sq.mm. single core PVC copper conductor cable including filling the gap with water sealent material applying HT insulation tape over which again applying PVC insulation tape complete etc as required.	97.00	Each	110.00	10670
7.00	Supply of C.I. Transformer housing box water tight round type metal container of out side dia of 330 mm, height 450 mm made of 10 mm thick cast iron moulding all round except on top surface which is 15 mm thick suitable to receive a light fitting base plate at the top and underground housing associated with transformer power cable and having a clear hole/s center at one side surface center 75 mm above bottom surface & check nut having two earth bolts & four nuts with washer of M 10x30mm welded inside near the hole (4" away from the hole center) and having following nos. hole suitable to receive 50mm dia GI/HDPE pipe and an other one a drain hole at the bottom suitably tapped to received 15 mm dia "B" class G.I. pipe & having clear opening of 220 mm at top surface and 6 nos. M 10 tapped hole at the center of 260 mm to receive light fitting base plate and bolts and as required.	48.00	Each	5550.00	266400
8.00	Installation, testing & commissioning of elevated fitting on the existing transformer housing box including installation of isolating transformer, lens, filters, lamps and other accessories, alignment leveling making transformer connection, earth connection etc. connecting plug & receptacles etc complete as required.	42.00	JOB	150.00	6300
9.00	Installation, testing & commissioning of inset type light fixture including cutting of existing cement concrete taxiway/apron with Core cutting machine for fixing of inset light fixture with existing quick setting sealant compound such as plasticised sulpher cement/dobefill resin and hardener compound, making transformer connections,earth connections etc connecting plug & receptacles & alingment of fittings with instruments complete as required.	6.00	JOB	6500.00	39000



Sr.No	Description of Items	Qty	Unit	Rate	Amount
10.00	Installation of transformer housing boxes with a base concrete of 1:3:6 of size 630x630x100mm thick all round concrete of 1:2:4, 150mm thick top sloped with 1:2:4 cement concrete including providing and fixing 300 mm long 15mm dia "B" class GI pipe with check nut for drainage of water including excavation of earth and refilling complete etc as required.	48.00	JOB	2400.00	115200
11.00	Supply of 6.0 sq.mm. 5KV grade PVC insulated & PVC sheathed, antitermite & antirodent standard copper conductor single core Airfield lighting cable confirming IS 1554 (Part-1) with upto date amendent and confirming to particular specification etc. as required.	6600.00	Mtr	98.00	646800
12.00	Supply of 50 mm outer dia. DWC/ HDPE pipe as per IS:4984:1995,Material Grade:PE 80, PN 10 and as per specified in particular specification.	6440.00	Mtr	90.00	579600
13.00	Laying of 50 mm outer dia DWC HDPE pipe including coupling,splicing of pipe direct in ground (80 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required.	6440.00	Mtr	105.00	676200
14.00	Laying of one number PVC insulated and PVC sheathed runway cable of 5 KV grade of 6.0 sqmm size in the existing RCC/ HUME/ METAL pipe as required.	6250.00	Mtr	20.00	125000
15.00	Laying of one number PVC insulated and PVC sheathed runway cable of 5 KV grade of 6.0 sqmm size in the open duct as required.	350.00	Mtr	20.00	7000
16.00	Supply of Plug and receptacles suitable for secondary lead of 2 x 4 sqmm EPR insulated PCP sheathed copper conductor of secondary airfield lighting cables.	6.00	Each	415.00	2490
17.00	Making field connections by Plug or receptacles for existing secondary 2 x 4 sqmm cu cable from isolating transformer to Sign board including applying PVC insulation tape etc complete as required .	6.00	JOB	100.00	600
18.00	Supply of Armoured LT control cable of copper conductor of following size (i) 4 C x 1.5 sq mm	300.00	Mtr	200.00	60000
19.00	Supply and laying of 50 mm dia, Medium Class GI pipe in soil including cutting of Bituminous Road/shoulder up to an average depth of 150 mm and required width, excavation of soil up to 750 mm (approx.) from pavement level, refilling the trench with excavated soil in bottom and filling pavement cutting with cement concrete of 1:2:4 (1cement:2sand:4graded stone 20 mm), finishing the surface etc as required i/c threading and alignment of pipe with transformer housing box, providing check nuts etc as required.	190.00	Mtr	1000.00	190000
20.00	Supply of DOBEFIL 60 of Dr. Beck & Co. or equivalent sealant material suitable for fixing shallow base of inset type Thresold/Taxiway fittings etc complete as required.	45.00	KG	700.00	31500
21.00	Supply of Hardner 750 for DOBEFIL 60 sealant etc. as required.	5.00	KG	850.00	4250
22.00	Numbering of Taxiway/Thresold light fixtures/Isolation poles/Feedar pillar with suitable Paint for background and suitable colour paint for letter ,using stencil as per direction of EIC.	48.00	JOB	100.00	4800
23.00	Dismantling of existing CI Box from the concrete/runway bituminous area without damage and filling the same with concrete so as to make the area flushed with the surrounding area complete as required and as per instruction of EIC.	6.00	JOB	1500.00	9000
24.00	Earthing with G.I pipe 4.5mm long x 40 mm dia including accessoires, and providing masonary enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt complete as required .	5.00	SET	6800.00	34000
25.00	Providing and fixing 6 SWG dia G.I. wire on surface or in ground for loop earthing complete as required.	1240.00	Mtr	25.00	31000

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
	Sub Head (II)- Isolation Bay Illumination				
1	Supply of 3.0 Mtr GRP/Frangible Light pole with inbuilt Junction Box having Door cover with weatherproof reinforced door opening suitable for inbuilt MCB , Mica sheet and Stud terminal. and MS Base plate ,Anchor Bolt, MS Zinc passivated hardware conforming ANSI C 136.20 1990,with minimum pole thickness 6mm, Pole wind load withstand capacity up to 180 KM/HR conforming IS 875(PART 3)-1987, Top/Bottom OD Dia approx. 89/120 mm with Polyurethane Paint having suitable Tensile,compressive,flexural strengths conforming ASTM D : 5083-10 , 695 ,790 including customised bracket on the top of Light Pole made of suitable dia for 150 W LED Flood Light . (Similar to SUMIP poles as Per Drawing No. 22-05-P-9650).	22.00	Each	23250.00	511500
2	SITC of 150 Watt LED Flood Light Fitting with powder coated high pressure die cast aluminium housing, ingress protection (IP): 65, easy heat dissipation with luminare efficiency minimum 110 lumen per watt, life of LED fitting is 50000 burning hours, total harmonic distortion (THD) less than 10%, suitable for voltage input 140 - 270 volt, 50 Hz single phase AC supply including DP MCB (5-32 Amps), pole bracket,supplying and drawing of 2 Nos x1.5 sq.mm. PVC insulated PVC sheathed flexible copper conductor cable from internal junction box upto the individual light fitting,connection etc. complete as required.	22.00	JOB	5160.00	113520
3	Erection of Light poles of Size not exceeding 3 Mtr with Base Plate and Anchor Plate by making of suitable pedestral foundation of size (0.30 x 0.30 x 1.20) Mtr. with PCC foundation 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) i/c providing & fixing 04 Nos. G I foundation bolt, anchor plate, template, nut & washer by laying of suitable dia HDPE flexible pipe for loop in/out cable i/c excavation & refilling etc. complete as required.	22.00	JOB	2800.00	61600
4	Design, fabrication, assembling, supply, installation, testing and commissioning of Suitable size dust & vermin proof, Outdoor type, floor mounted Feeder Pillar Panel inclusive of cement concrete foundation, fabricated with 14 SWG CRCA Sheet complete with detachable gland plate and front hinged door locking arrangement duly powder coated of approved shade, required MCB/Contactors/auto manual switch/MCB LED indicator lamp/Busbar of capacity 100 A along with other accessories including all connections, inter connection, wiring with minimum 2.5 sqmm flexible copper wire & provision for earth connection etc complete as required: Incomer 63 Amps, Four Pole MCCB having adjustable Thermal (80% - 100%) and adjustable Magnetic setting, breaking capacity Ics=100% of Icu at 415 V, 25 KA - 1 No. Set of indication lamps, LED type , R, Y, B with MCBs- 1 set Bus Bar 100 Amps Aluminium busbar for phase and neutral - 1 Set Outgoing 32 Amps, TPN MCB - 04 Nos. Control 4 Pole Contactor with a thermal rating of 63A - 1 no. Time Switch with Daily dial, suitable for operation on 230 Volt, Single phase, 50 Hz, AC Supply - 1 No. Auto-Manual Selector switch - 1 Nos. On/ Off Push Buttons-1 Nos with LED indication.	1.00	JOB	110000	110000
5	Supply of following sizes of 1.1 KV grade XLPE insulated PVC sheathed, Aluminium Conductor armoured power cable conforming to IS 7098 (Part-I) 1988 amended upto date :				
5.1	3.5C x 70 Sq mm	2500.00	Mtr	360.00	900000
5.2	4 C x 4 Sq mm	600.00	Mtr	125.00	75000

Sr.No	Description of Items	Qty	Unit	Rate	Amount
6	Supplying and laying of following size DWC/ HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (80 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. (i) 90 mm dia (OD-90 mm & ID-76 mm nominal)	2450.00	Mtr	220.00	539000
7	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/HDPE pipe or in open trench as required.				
7.1	Upto 35 sq. Mm	900.00	Mtr	20.00	18000
7.2	Above 35 sq. mm and upto 95 sq. mm	2500.00	Mtr	30.00	75000
8	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
8.1	3.5C x 70 Sq mm	2.00	Each	650.00	1300
8.2	4 C x 4 Sq mm	3.00	Each	350.00	1050
9	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for 3.5 x 70 sq. mm size of PVC insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1 KV grade as required.	4.00	SET	3000.00	12000
10	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for 1 C x 6 sq. mm size of 5KV grade PVC insulated & PVC sheathed, antitermite & antirodent standard copper conductor single core Airfield lighting cable .	5.00	SET	2200.00	11000
Total					6178035.00

(Rupees Sixty One Lakhs Seventy Eight Thousand Thirty Five Only)

Note: The Rates are Exclusive of GST.


20/10/2022
Asst.Gen. Manager(Engg-E)
AAI,Kushinagar Airport

Signature Not Verified

Digitally signed by AMAR SINGH
Date: 2024.09.05 11:45:38 IST
Location: eProcurement System for
Central PSUs