



संदर्भ सं.: भाविप्रा/प.क्षे./व.प्र. (इंजी-विद्युत)/भावनगर/सीडब्लू-01/2021-22/586
Ref. No: AAI/WR/SM (E-E)/BHAV/CW-01/2021-22/

दिनांक: 22.06.2021
Date: 22.06.2021

सेवा में/ To,
मेसर्स टेक्नो एलेक्ट्रिकल्स,
M/s Techno Electricals ,
2/65 ,उदय पार्क सोसाइटी /2/65, Uday park society,
रिफाइनरी रोड /Refinery road ,
गोरवा ,वडोदरा -360016 /Gorwa, Vadodara-360016.

विषय/ Sub: सी.ए.भावनगर हवाईअड्डा के रनवे/टैक्सीवे के इंटरसेक्सन के लिए इनसेट टाइप फिटिंग का प्रावधान।
Provision of Inset type fitting for intersection of Runway / Taxiway at C.A. Bhavnagar.

संदर्भ: 1) आपकी ई-निविदा नं. 2021_AAI_77699_1 दिनांक 16.06.2021 को खोला गया।
Your e-tender id. 2021_AAI_77699_1 opened on Dated 16.06.2021.

महोदय,/ Dear Sir(s),

- उल्लेखित कार्य हेतु आपकी ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है, आपके द्वारा बताए गये मद मूल्यों पर आपकी ई-निविदा राशि कुल रु. 11,22,885 (ग्यारह लाख बाईस हजार आठ सौ पैंसठ मात्र) + जीएसटी है, जो कि ई-निविदा की उचित लागत राशि रु. 13,24,435/- से 15.21% नीचे है। एजन्सी द्वारा वैध टैक्स इन्वाइस प्रस्तुत करने पर जीएसटी अदा किया जाएगा। गुजरात राज्य के लिए जीएसटी क्र. GSTIN:- 24AAACA6412D1ZE 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. 11,22,885 (Rupees Eleven lakhs Twenty Two Thousand and Eight Hundred and Eighty Five only) + GST which is 15.21% Below the Justified cost of Rs. 13,24,435/-. GST will be paid against valid Tax invoice from the agency. For Gujarat state AAI GST no. is GSTIN:24AAACA6412D1ZE

- वरिष्ठ प्रबंधक (इंजी-विद्युत), भाविप्रा, प.क्षे., क्षेत्रीय मुख्यालय, विलेपार्ले (पूर्व), मुंबई-400099, कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आपकी ओर से एक विश्वसनीय प्रतिनिधी प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 02.07.2021 तक वरिष्ठ प्रबंधक (इंजी-विद्युत), भाविप्रा, परिचालन कार्यालय भवन, न्यू एअरपोर्ट कालोनी, विलेपार्ले (पूर्व), मुंबई-400099 के कार्यालय में उपस्थित हो तथा करारनामे को पुरा करें। ठेके का करारनामा रु. 100/- के नॉनजुडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जाएगा।

SM (ENGG. - ELECT.), RHQ (WR), Vile Parle (E), Mumbai - 400 099 shall be the Engineer-In-Charge of this work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf, to attend the office to the SM (ENGG- ELECT.), RHQ (WR), Operational office building, New Airport Colony, Vile Parle (E), Mumbai-400 099 by 02.07.2021 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- and the cost of the stamp paper shall be borne by you.

- कृपया रु. 1,12,288.00 (रुपये एक लाख बारह हजार दो सौ अठ्ठासी रुपये मात्र) प्रतिभूति जमा के रूप में यह पत्र जारी करने के तारीख बाद 10 दिन के अंदर जमा करें। जमा करने की असफलता में वह राशि, बिल से ठेके की शर्तों के अनुसार काट ली जायेगी।



Please deposit **Rs. 1,12,288.00 (Rupees One Lakh Twelve Thousand Two Hundred and Eighty Eight only)** towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your bill as per contract conditions.

4. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम अनुबंध श्रम नियम (नियम तथा उन्मुलन) 1971 के केन्द्रीय नियम श्रम नियम (नियमन तथा उन्मुलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।

You are requested to comply with provision of contract labour (Regulation and Abolition Act 1970 and contract labour Regulation & Abolition) Central rule 1971 and minimum wages Act & rules thereof central and state Govt.

5. आपको यह निर्देश दिया जाता है कि आप प्रबंधक (इंजी-विद्युत), भावनगर हवाईअड्डा से संपर्क करें जो आपको साईट सौंपने की व्यवस्था करेंगे।

You are directed to contact Manager (E-E), Bhavnagar Airport immediately who will arrange to handover the site.

6. कृपया नोट कर लें कि काम करने का अनुमानित समय (चार) 04 माह है जोकि दिनांक 02.07.2021 से गिना जाएगा।

Please note that the time allowed for carrying out the complete work is **Four (04) months**, which shall be reckoned from **02.07.2021**.

7. इस ठेके के संबंध में आगे का कोई भी पत्राचार वरिष्ठ प्रबंधक (इंजी-विद्युत), भाविप्रा, प.क्षे., क्षेत्रीय मुख्यालय, एकीकृत प्रचालन कार्यालय भवन, विलेपार्ले (पूर्व), मुंबई-400099 के पते पर किया जाए।

Any further correspondence in connection with the contract should normally be addressed to SM (E-E), RHQ (WR), Integrated Operational office building, Vile Parle (E), Mumbai - 400099.

8. कृपया पावती भेजें तथा इस आदेश की दोहरी प्रति आपके हस्ताक्षर के पश्चात इस कार्यालय में भेजें जो कि स्वीकृती टोकन समझा जाएगा।

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

यदि अंग्रेजी और हिंदी पाठ में कोई अंतर पाया जाता है तो अंग्रेजी विवरण सही माना जायेगा।

If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.

धन्यवाद/ Thanking You,

Encl: 1. SOQ

भवदीय / Yours faithfully,

9
मी० सदरुल हुदा
22/06/2021
(मो. सदरुल हुदा)/(Md. Sadrul Huda)
वरिष्ठ प्रबंधक (इंजी-विद्युत),

Sr. Manager (Engg.-Elect.)

कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण,

For and on behalf of Chairman, Airports Authority of India

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Item Rate BoQ

Tender Inviting Authority: Sr. Manager (E-E)

Name of Work: Provision of Inset type fitting for intersection of Runway / Taxiway at C.A. Bhavnagar.

Contract No: 2021_AAI_77699_1

Name of the Bidder/ Bidding Firm /	TECHNO ELECTRICALS					
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Supply of Bi-directional Inset Type High Intensity Runway Edge Light Fitting suitable for use with 2 x 105 W, 6.6 Amp Halogen Lamp, complete with all accessories etc. confirming to particulars specifications etc. and complete as required	3.00	Each	70000.00	210000.00	INR Two Lakh Ten Thousand Only
2	Supply of 2 x 4 Sq.mm copper flexible secondary lead of following length made out of multistranded, annealed, PVC sheathed, unshielded, EPR insulated, antitermite & antirodent cable of 5 kv grade with moulded plug and receptacle as required as per particular specifications. a) 35 Mtr	2.00	Each	6500.00	13000.00	INR Thirteen Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
3	Cutting of cable groove with kerf cutting machine for laying following number of 2 x 4 Sqmm secondary leads meant for inset type runway fitting on the concrete/ bituminous runway surface including kerfing, chiseling, cleaning and filling the groove with sealant compound after putting sealant primer after laying secondary lead including jute covering for protection etc. as required. a) 01 Run of Cable (For laying 35 Mtr Secondary Lead)	40.00	Mtr	500.00	20000.00	INR Twenty Thousand Only
4	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable / pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	80.00	Mtr	135.00	10800.00	INR Ten Thousand Eight Hundred Only
5	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	Mtr	700.00	7000.00	INR Seven Thousand Only
6	Supply and fixing of 5 KV grade plug and receptacle of type -I class "B" connector and making field connections by crimping the plug and receptacle with the existing PVC insulated and PVC sheathed copper conductor cable including filling the gap with water sealant material, applying PVC HT insulation tape etc complete as required for the following size of cable. a) Single Core 16 Sq.mm	2.00	Set	450.00	900.00	INR Nine Hundred Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
7	Installation, testing and commissioning of Bi-directional Inset Type High Intensity Runway Edge Light Fitting by making suitable hole with help of core cutting machine in the bitumen/pavement area of runway and fixing the fitting using quick setting sealant compound such as plasticised sulphur cement/dobefill resin compound including connection with secondary cable, positioning of isolation transformer in housing box, making good the runway to the original finish etc. as required.	2.00	Nos	6500.00	13000.00	INR Thirteen Thousand Only
8	Laying of 1 No. PVC insulated and PVC sheathed copper conductor cable of grade 5 KV and size 25 Sq.mm / 16 Sq.mm / 6 Sq.mm / Secondary lead in the existing RCC / Hume / Stoneware / GI pipe / HDPE / DWC Pipe etc. complete as required. (Cable Supplied by AAI)	70.00	Mtr	25.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
9	Laying of 1 No PVC insulated and PVC sheathed copper conductor cable of grade 5 KV and size 25 Sq.mm/16 Sq.mm/ 6 Sq.mm direct in ground including excavation, sand cushioning, protective covering and refelling the trench etc. as required.	230.00	Mtr	250.00	57500.00	INR Fifty Seven Thousand Five Hundred Only
10	Earthing with GI earth pipe 4.5 mtr long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe with charcoal or coke and salt as required.	2.00	Nos	5000.00	10000.00	INR Ten Thousand Only

116100

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
11	Supply, Installation, Testing & Commissioning of Remote Control Panel Cum Display unit at Control tower fabricated from CRCA sheet of 2 mm thick with suitable height suitable for remote operation of CCR and comprise the following interconnection etc. with terminal block etc. as required as per specification etc. as required by Engineer-In-Charge. 1) Runway Circuit A & B 2) Taxiway Circuit A & B (Proposed Taxiway Fitting on Runway) 3) PAPI Circuit - 02 Nos 4) Simple Approach Light - 02 Nos 5) High Mast - 02 Nos (For Apron) 6) Wind Sock - 01 No 7) H-Indicator - 01 No 8) End Light Circuit A & B 9) Inset End Light Circuit A & B 10) Isolation Bay Circuit (Taxiway + High Mast) 11) Operational Signage's Board 12) Spares	1.00	Each	160000.00	160000.00	INR One Lakh Sixty Thousand Only
12	Supply of control cable of size 2.5 Sq.mm 61 cores, 1.1KV annealed electrolytic copper conductor, armoured, PVC insulated, PVC sheathed as per IS : 1554-I & IS : 7098-I upto date.	125.00	Mtr	2181.00	272625.00	INR Two Lakh Seventy Two Thousand Six Hundred & Twenty Five Only
13	Supply of control cable of size 1.5 Sq.mm 8 cores, 1.1KV annealed electrolytic copper conductor, armoured, PVC insulated, PVC sheathed as per IS : 1554-I & IS : 7098-I upto date.	100.00	Mtr	210.00	21000.00	INR Twenty One Thousand Only

21620

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes In Rs. P	TOTAL AMOUNT In Words
14	Laying of 01 No. Control Cable of size 2.5 sq. mm., 61 cores, 1.1KV grade in the existing RCC/ HUME/ METAL pipe as required.	100.00	Mtr	30.00	3000.00	INR Three Thousand Only
15	Laying of 01 No. Control Cable of size 2.5 sq. mm., 61 cores, 1.1KV grade in the existing masonry open duct as required.	25.00	Mtr	30.00	750.00	INR Seven Hundred & Fifty Only
16	Laying of 01 No. Control Cable of size 1.5 sq. mm., 8 cores, 1.1KV grade in the existing masonry open duct as required.	100.00	Mtr	300.00	30000.00	INR Thirty Thousand Only
17	Supply installation tesing and comissioning of Termination box made of MS Sheet suitable for 61 core 2.5 sqmm 1.1 KV grade copper conductor with suitable size connector strip complete connection as required.	2.00	Nos	10000.00	20000.00	INR Twenty Thousand Only
18	SITC 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 etc. complete as required.	2.00	Nos	7200.00	14400.00	INR Fourteen Thousand Four Hundred Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
19	Supply and fixing of 6 mm thick M.S. powder coated cover plate to cover the CI transformer bousing box of 330 mm out side dia having suitable holes to fasten the cover with nut bolts arrangement etc. as required.	2.00	Nos	450.00	900.00	INR Nine Hundred Only
20	Supply of 4 x 25 Sq.mm sizes of 1.1 KV grade multicore aluminium conductor PVC insulated / XLPE insulated and PVC sheathed armoured cable as per IS-1554 (Part-I) 1988/IS-7098 (Part-I) 1985 respectively with upto date ammendments.	150.00	Mtr	175.00	26250.00	INR Twenty Six Thousand Two Hundred & Fifty Only
21	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.(Upto 35 Sq.mm)	150.00	Mtr	250.00	37500.00	INR Thirty Seven Thousand Five Hundred Only
22	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/ GI / HDPE / DWC pipe as required.(Upto 35 Sq.mm)	30.00	Mtr	25.00	750.00	INR Seven Hundred & Fifty Only
23	Supplying and making end termination with brass compression gland and aluminium lugs for 4 x 25 Sq.mm (28mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	8.00	Set	200.00	1600.00	INR One Thousand Six Hundred Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
24	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for 4 x 25 Sq.mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	1.00	Nos	2000.00	2000.00	INR Two Thousand Only
25	Supply of 7 mtrs. height GI OCTAGONAL continuously tapered galvanised street light pole with minimum 1000 mm long Three arm GI bracket (length and tilt angle of bracket shall be based on design) for installation of LED street light luminaire, suitable for wind velocity as per IS 875 (but not less than 50 m/sec.), fabricated out of 3 mm thick high tensile sheet steel in single piece construction having 130mm bottom, 70 mm top, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolts & anchor plate, rigid flange plate (200 x 200 x 12mm min.) welded with the base of pole for fixing on foundation bolts complete as required for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick bakelite sheet with 32 Amp heavy duty connector for loop in loop out cable terminations suitable for upto Three numbers 31/2 x 25 Sq.mm cables, including supply of 2A, 10kA, DP, C series, MCB for each fixture connections, earthing bolts for continuous earth connection complete, as required as per technical specifications.	2.00	Nos	18000.00	36000.00	INR Thirty Six Thousand Only

216/202

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
26	Supply of 7 mtrs. height GI OCTAGONAL continuously tapered galvanised street light pole with minimum 1000 mm long four arm GI bracket (length and tilt angle of bracket shall be based on design) for installation of LED street light luminaire, suitable for wind velocity as per IS 875 (but not less than 50 m/sec.), fabricated out of 3 mm thick high tensile sheet steel in single piece construction having 130mm bottom, 70 mm top, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolts & anchor plate, rigid flange plate (200 x 200 x 12mm min.) welded with the base of pole for fixing on foundation bolts complete as required for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick bakelite sheet with 32 Amp heavy duty connector for loop in loop out cable terminations suitable for upto Three numbers 31/2 x 25 Sq.mm cables, including supply of 2A, 10kA, DP, C series, MCB for each fixture connections, earthing bolts for continuous earth connection complete, as required as per technical specifications.	2.00	Nos	19000.00	38000.00	INR Thirty Eight Thousand Only
27	Erection of 7 Mtr.high G.I. OCTAGONAL street light pole & bracket with all accessories by providing and making reinforced M 20 cement concrete foundation including excavation and refilling including positioning of template & foundation bolts (supplied with pole to match with pole base plate) & providing and fixing of DWC HDPE pipe of size 40 mm dia (2 pieces of min. 0.75 m length) in the foundation for loop-in-loop-out of the cable to the pole complete as required and as specified.	4.00	Job	3000.00	12000.00	INR Twelve Thousand Only
28	Supply of Electromechanical Time Switches. (Make : Hager, Model No. EH711 or equivalent)	5.00	Nos	5000.00	25000.00	INR Twenty Five Thousand Only

24/10/20

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes In Rs. P	TOTAL AMOUNT In Words
29	Supply of 70 Watt LED type Road/ Street light with minimum protection level IP 66, pressure die cast housing with epoxy powder coated prismatic poly carbonate cover with individual LED lenses and complete assembly with LED, driver and accessories pre-wired up to terminal block i/c suitable mounting accessories etc. as required. [Make : Wipro, Model No. LR02-781-XXX-57-G2 or equivalent as approved by EIC]	15.00	Nos	3500.00	52500.00	INR Fifty Two Thousand Five Hundred Only
30	Installation, Testing and Commissioning of LED street light fitting with all accessories on existing 7 Mtr high G.I. OCTAGONAL street light pole including supplying and drawing of 3C x 2.5 Sq.mm. FRLSH PVC insulated PVC sheathed flexible copper conductor cable from loop-in-loop-out box upto the individual streetlight fittings, connection etc. complete as required & as specified.	14.00	Nos	450.00	6300.00	INR Six Thousand Three Hundred Only
31	Supply of 1.0 Sq.mm size of copper conductor PVC insulated flexible, heat resistant flame retardent grade wires suitable for domestic and industrial purpose. Conforming to IS:694.	450.00	Mtr	15.00	6750.00	INR Six Thousand Seven Hundred & Fifty Only
32	Supply of 1.5 Sq.mm size of copper conductor PVC insulated flexible, heat resistant flame retardent grade wires suitable for domestic and industrial purpose. Conforming to IS:694.	270.00	Mtr	18.00	4860.00	INR Four Thousand Eight Hundred & Sixty Only
33	Supply of 2.5 Sq.mm size of copper conductor PVC insulated flexible, heat resistant flame retardent grade wires suitable for domestic and industrial purpose. Conforming to IS:694.	270.00	Mtr	25.00	6750.00	INR Six Thousand Seven Hundred & Fifty Only
Total in Figures					1122885.00	INR Eleven Lakh Twenty Two Thousand Eight Hundred & Eighty Five Only
Quoted Rate in Words		INR Eleven Lakh Twenty Two Thousand Eight Hundred & Eighty Five Only				

मो. सदरुल हुदा / Md. Sadru Huda
 ज्योतिष सहायक (इंजी. - विद्युत) / Sr. Manager (Engg.-Elect.)
 भारतीय विमानपत्तन प्राधिकरण, क्षेत्रीय मुख्यालय, ए. डी.
 Airports Authority of India, RTO, 101
 मुंबई / Mumbai - 400 000