



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

सं.सं.:भा.वि.प्रा/तिरु/अभि-वि/सि-01/2024-25/177-181
Ref No: AAI/TPT/ENGG(E)/C-01/2024-25/177-181

दिनांक: 27.09.2024
Date: 27.09.2024

सेवा में / TO

मेसेर्स टेक्नो इलेक्ट्रिकल्स / M/s Techno Electricals,
2/65, उदय पार्क सोसायटी / 2/65, Uday Park Society,
रिफाइनरी रोड, गोरवा, / Refinery Road, Gorwa,
वडोदरा / Vadodara – 390016.

ई-मेल/E-mail: girish690@gmail.com

कार्य का नाम: तिरुपति हवाईअड्डे पर पी ए पी आई के लिए इंटरलीविंग सर्किट और टैक्सीवे-बी के लिए अलग सर्किट का प्रावधान।

NAME OF WORK: Provision of Interleaving Circuits for PAPI and Separate Circuit for TWY-B at Tirupati Airport.

संदर्भ: आपके मूल्य बिड (ई-टेंडर आई.डी. 2024_AAI_201823_1) सीपीपी पोर्टल द्वारा 30.08.2024 को खुला गया।
Ref: Your Price Bid (e-Tender ID: 2024_AAI_201823_1) opened through CPP portal on 30.08.2024.

प्रिय महोदय / Dear Sir(s),

- उक्त उल्लेखित कार्य के लिए आपके निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की गई, आपके द्वारा उद्धृत किया गया दर कुल ₹.33,37,937/- (रुपये तैंतीस चौरानवे लाख सैंतीस साठ हजार नौ सौ और सैंतीस मात्र) (जीएसटी को छोड़कर) जो 17.82% नीचे निविदा को प्रस्तुत किया गया अनुमानित ₹.40,61,979/- (जीएसटी को छोड़कर) के नीचे 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 ₹.33,37,937/- (Rupees Thirty Three Lakhs Thirty Seven Thousand Nine Hundred and Thirty Seven Only) (Excluding GST), which is 17.82% below the estimated cost put to tender of ₹.40,61,979/- (Excluding GST).

- उप महा प्रबंधक / संयुक्त महा प्रबंधक (अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेनिगुंटा इस कार्य का अभियंता-प्रभारी रहेंगे। आप संविदा करार में हस्ताक्षर एवं पूरा करने हेतु 07.10.2024 तक वरिष्ठ प्रबंधक (अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेनिगुंटा की कार्यालय हाज़िर होने के लिए अनुरोध किए जाते हैं। ठेका करार ₹.100/- मूल्य का न्ययिकेतर स्टांप कागजात में निष्पादित किया जाना है तथा स्टांप कागजात का मूल्य आपके द्वारा भुगतान किया जाएगा।

The Deputy General Manager / Joint General Manager (Engg-E), AAI, Tirupati Airport, Renigunta shall be the Engineer-in-charge of the work. You are requested to attend the Office of Senior Manager (Engg-E), AAI, Tirupati Airport, Renigunta by 07.10.2024 to sign and complete 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.

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तिरुपति हवाईअड्डा, रेनिगुंटा-517520, आ,प्र; फोन:0877-2275131; फ़ैक्स:0877-2275353;
Tirupati Airport, Renigunta-517520, A.P; T: 0877 2275131; Fax:0877 2275353;



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- 3) निविदा के साथ भुगतान की गई ₹.81,240/- (रुपये इक्यासी हजार दो सौ और चालीस मात्र) की बयाना राशि सुरक्षा जमा की प्राप्ति के बाद वापस कर दी जाएगी। कृपया ₹.3,33,794/- (रुपये तीन लाख तैंतीस हजार सात सौ और चौरानवे मात्र) सुरक्षा जमा के रूप में जमा करें, ऐसा न करने पर जीसीसी पृष्ठ संख्या जीसीसी-17 के खंड 1ए के अनुसार आपके चालू बिलों से कटौती की जाएगी। निविदा दस्तावेज की।

The earnest money amount of ₹.81,240/- (Rupees Eighty One Thousand Two Hundred and Forty Only) paid along with tender shall be refunded after the receipt of Security Deposit. Please deposit ₹.3,33,794/- (Rupees Three Lakhs Thirty Three Thousand Seven Hundred and Ninety Four Only) towards Security Deposit, failing which the same will be deducted from your running bills as per Clause 1A of GCC Page No. GCC-17 of Tender Document.

- 4) निविदा दस्तावेज का जीसीसी पृष्ठ संख्या-48 के धारा 19 तथा केन्द्रीय तथा राज्य सरकार के नियम में जैसे निर्दिष्ट किया था ठेका श्रम का प्रावधान (विनियम तथा उत्सादन) अधिनियम 1970, ठेका श्रम (विनियम तथा उत्सादन) केन्द्रीय नियम 1971, बाल श्रम (निषेध तथा विनियम) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 को अनुपालन करने हेतु आपसे अनुरोध किए जाते हैं।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970, 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 constructions Workers Welfare Cess Act 1996 as specified in Clause No. 19 on page No. GCC-48 of tender and rules thereof central and State Government.

- 5) वरिष्ठ प्रबंधक (अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेणिगुंटा को संपर्क करें कि, तत्काल प्रभाव से कौन आपको साइट सौंपने का व्यवस्था करेगा।

You are also directed to contact Senior Manager (Engg-Elect), AAI, Tirupati Airport, Renigunta immediately who will arrange to hand over the site to you.

- 6) कृपया नोट कीजिए कि कार्य का प्रारंभ के लिए दिया गया समय 04 (चार) महीने होगा तथा कार्य आदेश जारी करने के 10 वें दिन (i.e. 06.10.2024) से वही गिना जाएगा।

Please note that the time allowed for carrying out the work shall be 04 (FOUR) Months and same shall be reckoned from 10th day of issue of work order (i.e. 06.10.2024).

- 7) भारतीय विमानपत्तन प्राधिकरण ने व्यापार प्राप्य इलेक्ट्रॉनिक डिस्काउंटिंग सिस्टम (TReDS) के तहत एक खरीदार के रूप में पंजीकरण किया है और और आप भारत सरकार की पहल TReDS का लाभ उठा सकते हैं और चालान जमा करने के 30 दिनों के भीतर एमएसएमई विक्रेताओं को भुगतान जारी कर दिया जाएगा।

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Airports Authority of India has registered as a buyer under Trade Receivable Electronic Discounting System (TReDS) and you may avail the benefits of TReDS, a Govt. of India initiative and payment shall be released to MSME vendors within 30 days after submission of invoices.

- 8) इस ठेका के संबंधित आगे कोई पत्राचार सामान्यतः अभियंता-प्रभारी को संबोधित किया जाना है।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.
- 9) कृपया पावती भेजें और अधोहस्ताक्षर को स्वीकृती के रूप में संलग्न किया गया इस पत्र की प्रति लिपि में हस्ताक्षर करने के बाद वापस भेजा जाए।
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.

अनुलग्नक/Encl:- मात्रा की अनुसूची / Schedule of Quantities.

R. Bal
22.09.2024

वरिष्ठ प्रबंधक (अभि-वि) / Senior Manager (Engg-E)-II

भा वि प्रा,तिरुपति हवाई अड्डा /AAI, Tirupati Airport

अध्यक्ष कृते एवं की ओर से/For & On Behalf of The Chairman

भारतीय विमानपत्तन प्राधिकरण /Airports Authority of India

(ठेकेदार का हस्ताक्षर सहित मुहर / Signature of the Contractor with seal)

SCHEDULE OF QUANTITIES

NAME OF WORK: Provision of Interleaving Circuits for PAPI and Separate Circuit for TWY-B at Tirupati Airport.

SL. No	Description of Work	Qty.	Unit	Rate	Amount
1	Supply of 5 KV grade SINGLE CORE 6 Sq.mm size Airfield Lighting Cable with Standard Copper Conductor PVC insulated, PVC Sheathed Single Core, Unshielded, Anti-Termite & rodent treated UG Cable for use on unearthed system generally conforming to IS 1554, Part-II, 1981 with upto date amendment as required.	996	Meter	115.00	1,14,540.00
2	Supply of 5 KV grade, TWO CORE 25 Sq.mm Armoured Airfield Lighting Cable With Stranded Aluminium Conductor, XLPE/PVC Insulated & PVC Sheathed confirming to IS:7098/PT-II or IS:1554/PT-II with up to date amendment as required.	2990	Meter	300.00	8,97,000.00
3	Laying of one number PVC insulated and PVC sheathed/XLPE power/control cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
3.1	Upto 35 mm ²	125	Meter	23.00	2,875.00
4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of exceeding 1.1 KV but not exceeding 11 KV of size upto 35 Sq.mm in the existing masonry open duct as required.	90	Meter	23.00	2,070.00
5	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of grade exceeding 1.1 KV but not exceeding 11 KV of size upto 35 Sq.mm in the existing RCC/HUME/METAL/HDPE pipe as required.	3560	Meter	22.00	78,320.00
6	Providing, laying and fixing following dia G.I. pipe (medium class) Nallah crossing/ cable in ground complete with G.I. fittings etc. as required				
6.1	100 mm dia	104	Meter	1,700.00	1,76,800.00
7	Providing, laying and fixing of 40 mm Dia, PE-63, 4 Kgf. HDPE pipe in ground complete with necessary pipe couplings including trenching (80 cm deep) and re-filling etc. as required.	636	Meter	197.00	1,25,292.00
8	Providing, laying and fixing of 50 mm Dia, PE-63, 4 Kgf. HDPE pipe in ground complete with necessary pipe couplings including trenching (80 cm deep) and re-filling etc. as required.	1824	Meter	230.00	4,19,520.00
9	Laying and fixing following dia HDPE pipe, in ground complete with necessary pipe couplings including trenching (80 cm deep) and re-filling etc. as required.				
9.1	Upto 50 mm Dia, PE-63, 4 Kgf.	1100	Meter	135.00	1,48,500.00
10	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.				
10.1	4 Core x 16 mm ² (28mm)	6	Set	700.00	4,200.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
11	Supplying and making end termination with brass compression gland and Copper thimbles for XLPE insulated and PVC sheathed copper conductor cable of 1.1kv grade of the following sizes as required.				
11.1	7 Core x 2.5 mm ²	6	Set	1,000.00	6,000.00
12	Supply of 5KV grade plug and receptacle of type I class "B" connector suitable for field attachment with 5KV grade PVC insulated sheathed single core 6 Sq.mm copper conductor cable as per ICAO/CAR compliance and complete as required.	34	Set	475.00	16,150.00
13	Supply of 5KV grade plug and receptacle of type I class "B" connector suitable for field attachment 25Sq.mm with 5KV grade PVC insulated sheathed single core 6 Sq.mm copper conductor cable as per ICAO/CAR compliance and complete as required.	16	Set	900.00	14,400.00
14	Supply of 5KV grade plug and receptacle of type I class "B" connector suitable for field attachment 25Sq.mm with 5KV grade PVC insulated sheathed multistranded 25 Sq.mm aluminum conductor cable as per ICAO/CAR compliance and complete as required.	24	Set	900.00	21,600.00
15	Supply of CI Transformer Housing Box, Round Shape of outside dia 330mm Height 450 mm made of 10mm thick all round except on Top Surface which is 15mm thick having a clear opening of 220mm at the Top Surface and 6Nos. M10 Tapped Holes at the hole centre of 220mm to receive light fittings base plate and bolts. The box shall have two clear hole on side surface. Centre at 75mm above bottom suitable to receive 50mm dia B class GI/HDFE pipe and check nuts and also have a clear hole side. Centre at 175mm above bottom suitable to receive 15mm dia B Class GI Pipes and check nuts. The box shall have two earth bolts of M 10 X 30 mm inside near the hole (100mm above bottom surface) and a drain hole at the bottom suitably tapped to receive 1/2" dia., B Class GI Pipe as required - Double entry.	14	Each	6,300.00	88,200.00
16	Installation of transformer housing box with a base concrete of 1:3:6 of size 630 x 630 x 100mm thick all round concrete of 1:2:4 150mm thick. The top sloped with 1:2:4 cement concrete including providing and fixing 10" long 1/2" dia "B" class GI pipe with checknuts for drainage of water including excavation of side shoulder and re-filling (wherever the transformer are in a line the same has to be aligned in such a way that the centers fall in a straight line) etc. complete as required.	14	Each	3,000.00	42,000.00
17	Providing and Fixing of top cover plate made with 5mm thick MS Sheet suitable for existing 330mm dia CI transformer housing box with 6 Nos. Stainless steel M-10 bolts, spring and plain washers including providing and fixing of rubber gasket, painting etc. complete as required.	14	Each	1,000.00	14,000.00


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SL. No	Description of Work	Qty.	Unit	Rate	Amount
18	Making field connections by crimping 6 Sq.mm plug and receptacle with the existing 6 Sq.mm Single core copper conductor, PVC insulated, PVC sheathed cable including filling with gap with water sealant material, applying PVC insulation tape over HT tape insulation etc. as required.	34	Each	123.00	4,182.00
19	Making field connections by crimping 25 Sq.mm plug and receptacle with the existing 6 Sq.mm Single core copper conductor, PVC insulated, PVC sheathed cable including filling with gap with water sealant material, applying PVC insulation tape over HT tape insulation etc. as required.	16	Each	150.00	2,400.00
20	Making field connections by crimping 25 Sq.mm plug and receptacle with the existing 25 Sq.mm single core aluminium conductor, PVC insulated, PVC sheathed cable including filling with gap with water sealant material, applying PVC insulation tape over HT tape insulation etc. as required.	24	Each	150.00	3,600.00
21	Providing and fixing 6 SWG dia GI wire on surface or in recess for loop earthing along with the existing surface / recessed conduit / submain wiring / cable as required.	896	Meter	28.00	25,088.00
22	SITC of indoor type microprocessor based, air-cooled constant current regulator of thyristor control electronic type suitable for use on 240/415 Volt, 50 Hz, input AC supply with below mentioned output power at 6.6 Amps with 5 Steps variation of current output suitable for local and remote control operation with 24/ 48 Volt DC control supply complete with output current indicated on multifunction digital display, over current, over voltage, earth fault protection and earth leakage meter, positive back indication equipments relay contactor etc, as required as per specification of following rating. a) 4 KW MPCCR at 6.6 Amp, supply voltage 240 VAC.	3	Job	2,25,000.00	6,75,000.00
23	Providing and erecting a MS mounting frame/base (of MS 'C' Channel size 100x50x5.7mm thick) for 4KW CCR with required welding, including primer coat and approved synthetic enamel paint and complete as required. (Note: The Qty is in Running Meter)	9	Meter	500.00	4,500.00
24	Supply, installation, testing and commissioning of 14 SWG CRCA sheet, powder coated, fully enclosed, compartmentalized Add-on LT cubical panel having size not more than 2000mm (H) X 750mm (L) X 750mm (D) to the existing LT CCR panel including providing and extension of 600A TPN Aluminium Busbar and with following switchgear and as per the technical specification and complete as required. i) 4 Pole, 125A MCCB, 36KA, Thermal magnetic with O/C & S/C and ammeter and ON/OFF Indications - 04 Nos. ii) 4 Pole, 63A MCCB, 36KA, Thermal magnetic with O/C & S/C and ammeter and ON/OFF Indications - 01 No. Note: Provision of cable entry at bottom on rear side of the panel as available in the existing panel.	1	Job	1,10,000.00	1,10,000.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
25	Supply, installation, testing and commissioning of 14 SWG CRCA sheet, powder coated, fully enclosed, wall mounting type CCR Control Box having size not more than 700mm (H) X 800mm (L) X 350mm (D) with hinged door and with locking arrangement and having termination 8mm SS bolts for input and output cable (5KV grade, 1Cx6Sq.mm, Airfield lighting cable) mounted on Hylam sheet with insulator support base and prewired control wiring and with connectors with following switchgear and as per the attached drawing and complete as required. i) 3 Pole, Power contactor, 40A, AC3 rating ML-3 type with 2NO+2NC Aux. contacts, 240V coil voltage - 04 Nos. ii) 12 Amps, Rotary Cam Switch, Two Way with OFF, 3 Position, 60 deg, 2-pole - 01 No. (on the Door). iii) LED indication lamp, 240V, AC, RED- 2Nos. (on the Door). iv) LED indication lamp, 240V, AC, YELLOW- 2Nos. (on the Door). Note: Provision of cable entry at top(input) & bottom(output) of the Control Box.	1	Job	45,000.00	45,000.00
26	Supply, installation, testing and commissioning of 14 SWG CRCA sheet, powder coated, fully enclosed, wall mounting type Cable Junction Box having size not more than 600mm (H) X 470mm (L) X 280mm (D) with hinged door and with locking arrangement and having knock outs for cable entry (5KV grade, 1Cx6Sq.mm Airfield lighting cable) on Sides and complete as required. Note: Provision of cable entry at sides of the Cable Junction Box.	2	Job	8,000.00	16,000.00
27	Supplying of following sizes of 1.1 kV grade PVC insulated copper conductor armoured stranded Control Cable conforming to IS :1554 complete as required and as per specifications.				
27.1	7 core, 2.5 Sq.mm. Cu. Conductor cable	50	Meter	234.00	11,700.00
28	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	20	Meter	1,600.00	32,000.00
29	Modification/Augmentation of existing ALCMS system including integration of new CCRS and adding minimum of 10nos CCRs in existing ALCMS system by providing 01 No. of PLC, 2Nos. of I/O module and suitable number Relay interface card, suitable rated SMPS units and making modifications to the mimic diagram, if any and complete as required.	1	Job	1,50,000.00	1,50,000.00
30	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	Cub. Mtr.	1,000.00	10,000.00

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SL. No	Description of Work	Qty.	Unit	Rate	Amount
31	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge.				
31.1	All kinds of soil	10	Cub. Mtr.	700.00	7,000.00
32	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work upto plinth level. 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	10	Cub. Mtr.	7,000.00	70,000.00
Total (Excluding GST) Rs.					33,37,937.00

(Rupees Thirty Three Lakhs Thirty Seven Thousand Nine Hundred and Thirty Seven Only)

Note: Applicable GST shall be paid on submission of taxable invoice.


 27.09.2024
 Senior Manager (Engg-E)-II
 AAI, Tirupati Airport, Renigunta.