



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

सं.सं.:भा.वि.प्रा/तिरु/अभि-वि/सिपि-04(22-23)/2023-24/1233-1237

दिनांक: 06.06.2023

Ref No: AAI/TPT/ENGG(E)/CP-04(22-23)/2023-24/1233-1237

Date: 06.06.2023

सेवा में / TO

मेसेर्स एम पी सी इलेक्ट्रिकल्स एंड इंजीनियर्स /

M/s M.P.C Electricals & Engineers,

#2, शांति नगर / Shanti Nagar,

सेक्टर नंबर 3 / Sector No.3,

हिरन मगरी / Hiran Magari,

उदयपुर / Udaipur – 313002.

ई-मेल/E-mail: mpc_engg@yahoo.com

कार्य का नाम: तिरुपति हवाई अड्डे पर रनवे 08-26 का विस्तार।

उप शीर्षक: बैलेंस एयरफील्ड ग्राउंड लाइटिंग वर्क्स।

Name of Work: Extension of Runway 08-26 at Tirupati Airport.

Sub Head: Balance Airfield Ground Lighting Works.

संदर्भ:आपके मूल्य बिड(ई-टेंडर आई.डी.2023_AAI_147570_1)सीपीपी पोर्टल द्वारा 03.04.2023 को खुला गया।

Ref: Your Price Bid (e-Tender ID: 2023_AAI_147570_1) opened through CPP portal on 03.04.2023.

प्रिय महोदय / Dear Sir(s),

- 1) उक्त उल्लेखित कार्य के लिए आपके निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की गई, आपके द्वारा उद्धृत किया गया दर कुल ₹.23,44,530/- (रुपये तेइस लाख चवालीस हजार पांच सौ और तीस मात्र) (जीएसटी को छोड़कर) जो 21.77% नीचे निविदा को प्रस्तुत किया गया अनुमानित ₹.29,97,003/- (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 ₹.23,44,530/- (Rupees Twenty Three Lakhs Forty Four Thousand Five Hundred and Thirty Only) (Excluding GST), which is 21.77% below the estimated cost put to tender of ₹.29,97,003/- (Excluding GST).

- 2) संयुक्त महा प्रबंधक(अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेणिगुंटा इस कार्य का अभियंता-प्रभारी रहेंगे। आप संविदा करार में हस्ताक्षर एवं पूरा करने हेतु 15.06.2023 तक संयुक्त महा प्रबंधक(अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेणिगुंटा 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 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 Joint General Manager (Engg-E), AAI, Tirupati Airport, Renigunta by 15.06.2023 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, रेणिगुंटा-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 ₹.59,940/- (रुपये उनसठ हजार नौ सौ और चालीस मात्र) की बयाना राशि सुरक्षा जमा की प्राप्ति के बाद वापस कर दी जाएगी। कृपया ₹.2,34,453/- (रुपये दो लाख चौतीस हजार चार सौ और तिरपन 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 ₹.59,940/- (Rupees Fifty Nine Thousand Nine Hundred and Forty Only) paid along with tender shall be refunded after the receipt of Security Deposit. Please deposit ₹.2,34,453/- (Rupees Two Lakhs Thirty Four Thousand Four Hundred and Fifty Three 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 जी सी सी धारा 19 तथा केन्द्रीय तथा राज्य सरकार के नियम में जैसे निर्दिष्ट किया था ठेका श्रम का प्रावधान (विनियम तथा उत्पादन) अधिनियम 1970, ठेका श्रम (विनियम तथा उत्पादन) 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-50 of tender and rules thereof central and State Government.

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

You are also directed to contact Assistant General 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 **06 (छह) महीने** होगा तथा कार्य आदेश जारी करने के 10 वें दिन (i.e. 15.06.2023) से वही गिना जाएगा।

Please note that the time allowed for carrying out the work shall be **06 (SIX) Months** and same shall be reckoned from 10th day of issue of work order (i.e. 15.06.2023).

- 7) भारतीय विमानपत्तन प्राधिकरण ने व्यापार प्राप्य इलेक्ट्रॉनिक डिस्काउंटिंग सिस्टम (TReDS) के तहत एक खरीदार के रूप में पंजीकरण किया है 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.

-Sd/-

संयुक्त महाप्रबंधक (अभि-वि) /Joint General Manager (Engg-E)
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)

प्रतिलिपि/COPY TO:

आंतरिक /INTERNAL:

- 1) विमानपत्तन निदेशक / Airport Director – कृपया सूचनार्थ / For Information Please.
- 2) सहायक महा प्रबंधक (अभि-वि) / Assistant General Manager (Engg-E).
- 3) प्रबंधक (वित्त)/ Manager [F&A] - vide noting page No.7, टिप्पण पृष्ठ सं.7 दिनांक / Dtd.
13.04.2023 देखें।
- 4) प्रबंधक (अभि-वि)/ Manager (Engg-Elect).

संयुक्त महाप्रबंधक (अभि-वि) /Joint General Manager (Engg-E)
भा वि प्रा, तिरुपति हवाईअड्डा / AAI, Tirupati Airport.

SCHEDULE OF QUANTITIES

NAME OF WORK: EXTENSION OF RUNWAY 08-26 AT TIRUPATI AIRPORT.

SUB HEAD: BALANCE AIRFIELD GROUND LIGHTING WORKS.

SL. No	Description of Work	Qty.	Unit	Rate	Amount
1	Laying of 50 mm dia GI Pipe i/c providing the socket in soft soil upto depth of 1.5 mtr i/c getting out the excavated the materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposit layer by ramming watering etc. & disposal of unservicable material etc. as required as per the direction of engineer in charge.	96	Mtr	430.00	41,280.00
2	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 onside 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 .	34	Nos.	6,900.00	2,34,600.00
3	Installation, testing and commissioning of 04 nos (1 set) PAPI Light unit on unpaved surface with cement concrete base as per manufacturers recommendations including excavation of earth and its disposal, grouting of light unit base legs, installation of PAPI system, leveling, alignment of light beams, moulding of secondary leads, connections etc. and calibration check points for maintenance (as per manufacturers recommendations) complete as required.	2	Job	1,50,000.00	3,00,000.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
4	Supply, installation testing and commissioning of internally illuminated LED based Mandatory / Information /Location/VOR check point Runway / Taxiway guidance signage of various sizes made out of 4mm thick glare free poly carbonate sheet at front and body made out of 2.0mm thick powder coated aluminum profile having minimum width of 150mm and supported at back by 50mm dia (Nominal size) die cast aluminum / GI pipe at a separation as required, and frangible coupling as required. Light source shall be high luminous, long life typical 50,000 Hrs type, 0.5 Watts LED's assembled on alluminum PCB of size 700mm X 20mm and having 11 LED's per PCB for boards having height 800mm & 500mm X 20mm PCB having 8 LED's per PCB for board having height 600mm respectively. The thickness of the alluminum PCB should be 2mm in order to ensure proper heat dissipation. These alluminum PCB's should be placed not more than 160mm apart 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 3000mm 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 transformers. Signage 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 signage shall have letters and symbols made by computerized cutting of vinyl and pasting on the polycarbonate sheet from inside/outside of the sign face of required color as per ICAO specifications.	5	Sq.mtr	62,000.00	3,10,000.00
5	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.	43	Job	4,400.00	1,89,200.00
6	Installation, Testing and Commissioning of HIRL/MIRL fixtures on the existing transformer housing box, including installation of isolating transformer, lamp, providing and fixing of 6 Nos. Stainless steel M-10 bolts, spring and plain washers including providing and fixing of rubber gasket and other accessories, making alignment, making transformer connections and earth connections etc. as required.	213	Job	200.00	42,600.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
7	Installation, testing and commissioning of Simple Approach fittings on the existing transformer housing box including installation of frangible tubular pole of various heights, isolating transformer and other accessories, alignment, levelling, making transformer connection, earth connection etc. as required.	17	Job	200.00	3,400.00
8	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.	37	Job	1,800.00	66,600.00
9	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.	5500	Mtr	23.00	1,26,500.00
10	Making field connections by crimping 16 Sq.mm plug and receptacle with the existing 16 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.	25	Set	170.00	4,250.00
11	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.	40	Set	170.00	6,800.00
12	Providing and Laying of 25 mm 'B' class GI Pipe including excavation of hard / soft soil complete with threading and alignment of pipe with transformer housing box and bottom assembly of inset light fitting, providing checknuts including coupling etc. as required.	60	Mtr	520.00	31,200.00
13	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.	4	Nos	6,000.00	24,000.00
14	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.	50	Mtr	260.00	13,000.00
15	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	5500	Mtr	25.00	1,37,500.00
16	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.	1500	Mtr	202.00	3,03,000.00
17	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.	3500	Mtr	103.00	3,60,500.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
18	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.	7	Cub. Mtr	700.00	4,900.00
19	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-in-charge.				
19.1	All kinds of soil	20	Cub. Mtr	350.00	7,000.00
20	Dismantling, trans-installation, testing and commissioning of existing frangible & illuminated type wind direction indicator including Providing and laying suitable cement concrete foundation, with supply and fixing of M24 Foundation bolts and nuts for installation of 5 Mtr height FRP frangible WDI as per OEM recommendations and making necessary power connections and complete as required.	2	Job	62,000.00	1,24,000.00
21	Supply and installation of cable junction box of (Make: Hensel Catalog No. DK 5054G) IP 65 with metric knockouts and with terminals for cable entry, supply and fixing of 2 pole 20A MCB, C-series in the existing box including Supply and making end termination of 2Cx16Sq.mm cables (In and Out), supply and suitable size FRP Channel for mounting Cable junction box and grouting in the ground etc., complete as required.	2	Job	7,100.00	14,200.00
Total (Excluding GST) Rs.					23,44,530.00

(Rupees Twenty Three Lakhs Forty Four Thousand Five Hundred and Thirty Only)

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



Joint General Manager (Engg-E)
AAI, Tirupati Airport, Renigunta.