



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

सं.सं.:भा.वि.प्रा/तिरु/अभि-वि/सि-04/2024-25/226-23/

दिनांक: 15.01.2025

Ref No: AAI/TPT/ENGG(E)/C-04/2024-25/226-23/

Date: 15.01.2025

सेवा में / TO

मेसेर्स वर्धमान एयरपोर्ट सॉल्यूशंस प्राइवेट लिमिटेड/

M/s.Vardhman Airport Solutions Private Limited,

प्रथम & द्वितीय तल, प्लॉट नं. 13/C & 13/3 /

1st & 2nd Floor, Plot No.13/C & 13/3,

रामा रोड साइड, औद्योगिक क्षेत्र /

Rama Road Side, Industrial Area,

नजफगढ़ रोड / Najafgarh Road,

ई-मेल/E-mail: contact@vardhmanairports.com

दिल्ली / Delhi-110015, भारत / INDIA.

कार्य का नाम: तिरुपति हवाईअड्डे पर रनवे गार्ड लाइट और अन्य विविध कार्यों का प्रावधान।

NAME OF WORK: PROVISION OF RUNWAY GUARD LIGHTS AND OTHER MISC. WORKS AT TIRUPATI AIRPORT.

संदर्भ:आपके मूल्य बिड(ई-टेंडर आई.डी.2024_AAI_214050_1)सीपीपी पोर्टल द्वारा 12.12.2024 को खुला गया।

Ref: Your Price Bid (e-Tender ID: 2024_AAI_214050_1) opened through CPP portal on 12.12.2024.

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 **₹.64,98,700/-**(रुपये चौंसठ लाख अठ्ठानवे हजार और सात सौ मात्र) (जीएसटी को छोड़कर) जो **24.53% नीचे** निविदा को प्रस्तुत किया गया अनुमानित **₹.86,10,671/-** (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 **₹.64,98,700/-** (Rupees Sixty Four Lakhs Ninety Eight Thousand and Seven Hundred Only) (Excluding GST), which is **24.53% below** the estimated cost put to tender of **₹.86,10,671/-** (Excluding GST).

- 2) उप 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 24.01.2025 तक वरिष्ठ 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 स्टॉप कागजात में निष्पादित किया जाना है तथा स्टॉप कागजात का मूल्य आपके द्वारा भुगतान किया जाएगा।

The Deputy 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 24.01.2025 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 ₹.1,72,220/- (रुपये एक लाख बहतर हजार दो सौ और बीस मात्र) की बयाना राशि सुरक्षा जमा की प्राप्ति के बाद वापस कर दी जाएगी। कृपया ₹.6,49,870/- (रुपये छह लाख उनचास हजार आठ सौ और सत्तर 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 ₹.1,72,220/- (Rupees One Lakh Seventy Two Thousand Two Hundred and Twenty Only) paid along with tender shall be refunded after the receipt of Security Deposit. Please deposit ₹.6,49,870/- (Rupees Six Lakhs Forty Nine Thousand Eight Hundred and Seventy 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 **06 (छह) महीने** होगा तथा कार्य आदेश जारी करने के 10 वें दिन (i.e. 24.01.2025) 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. 24.01.2025).

- 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.

-Sd/-

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)

प्रतिलिपि/COPY TO:

- 1) विमानपत्तन निदेशक / Airport Director, AAI, Tirupati Airport – For Information Please.
- 2) उप महा प्रबंधक (अभि-वि) / Deputy General Manager (Engg-E), AAI, Tirupati Airport.
- 3) वरिष्ठ प्रबंधक (अभि-वि)-I / Senior Manager (Engg-E)-I, AAI, Tirupati Airport.
- 4) प्रबंधक (वित्त)/ Manager (F&A), AAI, Tirupati Airport. – FC Accorded vide Note#17 of e-office file No. SR-27011(11)/9/2024-APD-SR-TIRUPATI dated 22.12.25024
- 5) प्रबंधक (अभि-वि)/ Manager (Engg-E), AAI, Tirupati Airport.

R. Bal
15.01.2025

वरिष्ठ प्रबंधक (अभि-वि) / Senior Manager (Engg-E)-II
भा.वि.प्रा, तिरुपति हवाईअड्डा / AAI, Tirupati Airport.

SCHEDULE OF QUANTITIES

NAME OF WORK: PROVISION OF RUNWAY GUARD LIGHTS AND OTHER MISC. WORKS AT TIRUPATI AIRPORT.

SL. No	Description of Work	Qty.	Unit	Rate	Amount
1	Supply of pair of Unidirectional, alternate flashing, elevated high intensity LED Runway Guard Lights fitting on common central assembly and complete with optic lens, LMS Dual switching device, power converter, visor, two pins secondary lead centre column assembly, breakable coupling, base plate, gaskets SS bolts etc., and all other accessories as required conforming to ICAO/FAA and technical specifications. The fixture shall be suitable for use at Taxiway / runway intersection for day-night operation and operate on 6.6 Amp series circuit etc. complete as required.	10.00	Nos	1,70,000.00	17,00,000.00
2	Supply of Elevated type high intensity uni-directional Threshold light fittings (Green) suitable for use with halogen type lamp, complete with lens, support mechanism, lens clamping mechanism, gaskets, two pin secondary leads, suitable base to fix on the existing CI Box, 200W halogen lamp and required accessories etc. and conforming to ICAO requirements as required.	10.00	Nos	10,000.00	1,00,000.00
3	Supply of Elevated type high intensity uni-directional End light fittings (Red) suitable for use with halogen type lamp, complete with lens, support mechanism, lens clamping mechanism, gaskets, two pin secondary leads, suitable base to fix on the existing CI Box, 200W halogen lamp and required accessories etc. and conforming to ICAO requirements as required.	8.00	Nos	9,500.00	76,000.00
4	Supply of Elevated type High Intensity runway edge light fitting (Clear / Clear) complete with all accessories including 200W, 6.6A halogen lamp, lens/filter with clamping mechanism, 2-pin lamp holder, central column assembly, breakable coupling, gaskets, 2-pin secondary lead plugs, base plate with 6 Nos. stainless steel M-10 bolts and other accessories conforming to ICAO requirements complete as required.	30.00	Nos	8,000.00	2,40,000.00
5	Supply of Inset type high intensity bi-directional Runway Edge light fittings (Clear / Yellow) suitable for use with halogen type lamp, complete with lens, support mechanism, lens clamping mechanism, gaskets, two pin secondary leads, suitable base for bottom hole entry, 200W halogen lamp and required accessories etc. and conforming to ICAO requirements complete as required.	4.00	Nos	67,000.00	2,68,000.00
6	Supply of Elevated type Medium Intensity LED type Turnpad edge Light fitting frangible body, breakable coupling, gaskets, 2-pin secondary lead plugs, base plate with 6 Nos. Stainless steel M-10 bolts, spring and plain washers including 15W LED suitable to work 6.6A, omni directional blue lens and other accessories etc. and conforming to ICAO requirements complete as required.	50.00	Nos	3,900.00	1,95,000.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
7	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.	15.00	Nos	5,500.00	82,500.00
8	Supply of 200 Watt 6.6/6.6 Amps 5KV grade 50Hz isolating transformer series type encapsulated in polyster resin finally moulded in neoprene type rubber with primary and secondary connections as specified in particular specifications as required.	12.00	Nos	3,700.00	44,400.00
9	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.	18.00	Set	500.00	9,000.00
10	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.	29.00	Set	600.00	17,400.00
11	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 multi stranded 25 Sq.mm aluminum conductor cable as per ICAO/CAR compliance and complete as required.	39.00	Set	600.00	23,400.00
12	Supply of 1.1 KV grade two pin secondary plug Assembly for AGL ftgs (0.3 mtrs/12" long) of suitable insulation for field attachment as per ICAO/CAR compliance and complete as required.	13.00	Set	500.00	6,500.00
13	Supply of 5 KV grade SINGLE CORE 6 Sq.mm size Airfield Lighting Cable with Strandard 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.	170.00	Mtr	110.00	18,700.00
14	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.	3,880.00	Mtr	340.00	13,19,200.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
15	Supply of 1.1 KV grade, 2Core, 2.5Sq.mm size, Flexible Secondary lead airfield lighting cable with Multistrand Annealed Tined Copper conductor (Class-5), specialized EPR insulated, Colour (Red& Black) cores laid up & specialized PCP/TPE sheathed conforming to relevant standards as required.	250.00	Mtr	160.00	40,000.00
16	Supply of following size XLPE insulated and PVC sheathed Aluminium conductor armoured power cable of 1.1 KV grade confirming to relevant IS 7098 (Part-1) with upto date amendments.				-
16.1	4C x 16 Sq.mm	100.00	Mtr	245.00	24,500.00
17	Supplying of following sizes of 1.1 kV grade PVC insulated copper conductor armoured stranded Control Cable conforming to IS:1554 complete as required.				-
17.1	7 core, 2.5 Sq.mm. Cu. Conductor cable	100.00	Mtr	425.00	42,500.00
18	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.	3.00	Job	2,00,000.00	6,00,000.00
19	Providing and erecting a MS mounting frame/base (of MS 'C' Channel size 100x50x5.7mmthick) 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)	9.00	Mtr	900.00	8,100.00
20	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.	1.00	Job	30,000.00	30,000.00
21	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.				-
21.1	Upto 35 mm ²	155.00	Mtr	18.00	2,790.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
22	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.	90.00	Mtr	18.00	1,620.00
23	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.	3,970.00	Mtr	18.00	71,460.00
24	Laying of of 2 X 2.5 Sq.mm EPR insulated secondary cable suitable for airfield lighting in the existing RCC/HUME/METAL/HDPE pipe as required.	250.00	Mtr	20.00	5,000.00
25	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 / CI collar, providing checknuts including coupling etc. as required.	70.00	Mtr	400.00	28,000.00
26	Providing, laying and fixing following dia G.I. pipe (medium class) Nallah crossing/ cable in ground complete with G.I. fittings etc. as required				-
26.1	100 mm dia	25.00	Mtr	1,400.00	35,000.00
27	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.	160.00	Mtr	113.00	18,080.00
28	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.	3,700.00	Mtr	160.00	5,92,000.00
29	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.				-
29.1	4 Core x 16 mm ² (28mm)	6.00	Set	400.00	2,400.00
30	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.				-
30.1	7 Core x 2.5 mm ²	6.00	Set	400.00	2,400.00
31	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.	15.00	Job	3,000.00	45,000.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
32	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.	10.00	Each	800.00	8,000.00
33	Groove cutting on PCC/bitumin asphalt of suitable width and depth up to 100mm suitable for laying 50mm / 25mm dia GI pipe including refilling the groove with C.C/Redrox or suitable material, making good finish etc. complete as required.	100.00	Mtr	450.00	45,000.00
34	Installation, testing and commissioning of elevated type, high intensity runway edge light / Guard light fixtures on runway / taxiway. The fitting installed with 150mm CI Adaptor / collar box including core cutting of PQC making the connections of Isolating Transformer, Light fixtures and other accessories including alignment, levelling and making secondary lead connections to transformer & fittings earth connections etc. complete as required. Note: CI Adaptor box Provided by AAJ	10.00	Job	1,000.00	10,000.00
35	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.	26.00	Set	100.00	2,600.00
36	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.	26.00	Set	100.00	2,600.00
37	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.	10.00	Set	100.00	1,000.00
38	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.	100.00	Mtr	25.00	2,500.00
39	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	20.00	Mtr	270.00	5,400.00
40	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.	1.00	Job	2,50,000.00	2,50,000.00

SL. No	Description of Work	Qty.	Unit	Rate	Amount
41	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.	6.00	Sq.mtr	45,000.00	2,70,000.00
42	Supply of new 4 mm thick UV protected clear poly carbonate sheet with required inscription / vinyl film pasted on inside surface of poly carbonate sheet to enhance durability (life) with double side foam tape for fixing sheet with frame complete as required. (For VOR Check point signage)	3.50	Sq.mtr	7,000.00	24,500.00
43	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.	1.00	Job	25,000.00	25,000.00

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SL. No	Description of Work	Qty.	Unit	Rate	Amount
44	Supply and installation of cable junction box (Make: Hensel Catalog No. DK 5054G) of IP 66 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.	1.00	Job	3,400.00	3,400.00
45	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	Cub.mtr	1,200.00	12,000.00
46	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.				-
46.1	All kinds of soil	10.00	Cub.mtr	275.00	2,750.00
47	Supply and Laying of 110mm dia, PE 100, PN 10 HDPE Pipes by single horizontal drilling of suitable dia in the operational area with depth range at 2.5 to 3 mtr including opening of manholes / pits on both sides, reaming, drilling, jointing of pipes, providing all required machines (HDD machine, mud mixer, earth mover etc.) and specialized manpower, closing of manholes / pits after laying the pipes etc as required.	115.00	Mtr	1,000.00	1,15,000.00
48	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).	10.00	Cub.mtr	7,000.00	70,000.00
Total (Excluding GST) Rs.					64,98,700.00

(Rupees Sixty Four Lakhs Ninety Eight Thousand and Seven Hundred Only)

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


 15.01.2025
Senior Manager (Engg-E)-II
AAI, Tirupati Airport, Renigunta.