



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

स.सं:भा.वि.प्रा/तिरु/अभि-वि/सीपी-03/2020-21/394-400

दिनांक: 23.11.2020

Ref No: AAI/TPT/ENGG(E)/CP-03/2020-21/394-400

Date: 23.11.2020

सेवा मेरे / TO

मेसेर्स रुचिरा असोसिएट्स,/

M/s Ruchira Associates,

D.No.:58-14-63, MIG-84,

मर्रीपालेम वुडा लेआउट /

Marripalem Vuda Layout,

एन ए डि पोस्ट /NAD post,

विसखपटनम/Visakhapatnam-530009.

ई-मेल/E-mail: info@ruchiraassociates.com

विषय: तिरुपति हवाईअड्डे पर विमानयान, आर ई एस ए का विस्फोट क्षरण के खिलाफ फुटपाथ और प्रावधान के कोड-ई प्रकार के लिए मौजूदा अप्रोन का सुदृढ़ीकरण, विस्तार तथा मौजूदा अलगाव बे का सुदृढ़ीकरण के साथ विमानयान के कोड-ई प्रकार के लिए रनवे का विस्तार और सुदृढ़ीकरण / मौजूदा रनवे-08/26 का पुनर्निर्माण : आई एल एस तथा डी वी ओ आर के लिए ओ एफ सी/आर सी कैबल का आई एस एस तथा डी वी ओ आर तथा लेइंग के लिए बिजली आपूर्ति के रिंग मुख्य प्रणाली का प्रावधान, उप शीर्ष: एलटी केबल्स की बिछाने, अर्थिंग, एलटी पैनलों की एसआईटीसी और आरसी केबल्स की बिछाने।

Sub: Work Order for the work of Extension of Runway and Strengthening / Resurfacing of Existing Runway-08/26 for Code-E type of Aircraft along with Strengthening of Existing Apron, Expansion And Strengthening of Existing Isolation Bay for Code-E type of Aircraft, Pavement Against Blast Erosion & Provision of RESA At Tirupati Airport: Provision of Ring Main System of Power Supply for ILS & DVOR and Laying of OFC/RC Cable for ILS & DVOR, **Sub Head: Laying of LT Cables, Earthing, SITC of LT Panels and Laying of RC Cables.**

संदर्भ:आपके मूल्य बिड(ई- टेंडर आई.डी.2020_भाविप्रा_50010_1) सीपीपी पोर्टल द्वारा 01.09.2020 को खुला गया
Ref: Your Price Bid (e-Tender ID: 2020_AAI_50010_1) opened through CPP portal on 01.09.2020.

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 **₹.1,36,79,856.90** (रुपये एक करोड़ छत्तीस लाख उन्नासी हजार आठ सौ छप्पन और नब्बे पैसा मात्र) (जीएसटी को छोड़कर) जो **27.15% नीचे** उचित लागत **₹.1,87,79,093.00** (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 **₹.1,36,79,856.90** (Rupees One Crore Thirty Six Lakhs Seventy Nine Thousand Eight Hundred Fifty Six and Ninety Paise Only) (Excluding GST), which is **27.15% below** the justified cost of **₹.1,87,79,093.00** (Excluding GST).

Contd...02

तिरुपतिहवाईअड्डा, 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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2. सहायक महा प्रबंधक(अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेनिगुंटा इस कार्य का अभियंता-प्रभारी रहेंगे। आप संविदा करार में हस्ताक्षर करने हेतु 02.12.2020 पर या पहले सहायक महा प्रबंधक(अभि-वि), भा वि प्रा, तिरुपति हवाईअड्डा, रेनिगुंटा की कार्यालय हाज़िर होने के लिए अनुरोध किए जाते हैं। ठेका करार रु.100/- मूल्य का न्यायिकेतर स्टॉप कागजात में निष्पादित किया जाना है तथा स्टॉप कागजात का मूल्य आपके द्वारा भुगतान किया जाएगा।

The Assistant 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 the Assistant General Manager (Engg-E), AAI, Tirupati Airport, Renigunta latest by 02.12.2020 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.

3. आपके निविदा के साथ प्राप्त बयाना पैसा **₹.3,73,070/-** (रुपये तीन लाख तिहतर हजार और सत्तर मात्र) निविदा दस्तावेज का पृष्ठ सं. एन आई टी- 2 का धारा -14 के अनुसार सुरक्षा प्रतिभूति के एक हिस्से के रूप में परिवर्तित के रूप में माना जाता है। कृपया **₹.9,94,916/-** (रुपये नौ लाख चौरानवे हजार नौ सौ और सोलह मात्र) शेष सुरक्षा प्रतिभूति की ओर जमा करें, जो निविदा दस्तावेज का धारा 1ए का जी सी सी पृष्ठ सं.जी सी सी -17 के अनुसार आपके चालू बिलों से उसी को कटौती की जाएगी।

The Earnest Money for an amount of **₹.3,73,070/-** (Rupees Three Lakhs Seventy Three Thousand and Seventy Only) received along with your tender has been treated and converted as part of Security Deposit as per clause-14 of Page No. NIT-2 of the Tender document. Please deposit **₹.9,94,916/-** (Rupees Nine Lakhs Ninety Four Thousand Nine Hundred and Sixteen Only) towards balance 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 19-20 तथा केन्द्रीय तथा राज्य सरकार के नियम में जैसे निर्दिष्ट किया था ठेका श्रम का प्रावधान (विनिमय तथा उत्सादन) अधिनियम 1970, ठेका श्रम (विनिमय तथा उत्सादन) केन्द्रीय नियम 1971, बाल श्रम (निषेध तथा विनिमय) अधिनियम 1986, न्यूनतम मजदूरी अधिनियम, कर्मचारी भविष्य निधि तथा विविध प्रावधान अधिनियम 1952, ई एस आई अधिनियम 1948 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, Minimum wages Act, Employees Provident Fund & Misc. Provisions Act 1952, ESI Act 1948 as specified in GCC Clause 19-20 of the Tender Document and rules thereof central and State Government.

5. कृपया नोट कीजिए कि कार्य करने के लिए दिया गया समय **04 (चार) महीने** होगा तथा कार्य आदेश जारी करने के 10 वीं दिन (अर्थात 02.12.2020) से वहीं 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. 02.12.2020).

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6. आप सहायक महा प्रबंधक (अभि-वि), भा वि प्रा, तिरुपति हवाई अड्डा, 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.
7. 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.
8. कृपया पावती भेजें और अधोहस्ताक्षर को स्वीकृति 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.

भवदीय/Yours Faithfully

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


(ओ.पी.एलुमलाई / O.P.ELUMALAI)

सहायक महा प्रबंधक (अभि-वि) /Asst. General Manager (Engg-E)
भाविप्रा, 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)

सहायक महा प्रबंधक - अभियांत्रिक (विद्युत)
Asst. General Manager - Engg. (Elec.)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तिरुपति हवाई अड्डा, रेनिगुंटा - 517 520, (ए.पी.)
Tirupati Airport, Renigunta - 517 520, (A.P.)

SCHEDULE OF QUANTITIES

Name of Work: Extension of Runway and Strengthening / Resurfacing of Existing Runway- 08 / 26 for Code-E type of Aircraft along with Strengthening of Existing Apron, Expansion And Strengthening of Existing Isolation Bay for Code-E type of Aircraft, Pavement Against Blast Erosion & Provision of RESA At Tirupati Airport: Provision of Ring Main System of Power Supply for ILS & DVOR and Laying of OFC/RC Cable for ILS & DVOR.

Sub Head: Laying of LT Cables, Earthing, SITC of LT Panels and Laying of RC Cables.

S.No.	Description of Item	Unit	Qty	Rate	Amount
1	Providing, laying and fixing following dia G.I pipe (medium class) in ground complete with G.I fittings including trenching (75 cm deep) and re-filling etc. as required.				
	a) 100 mm dia	Mtr	200	600.00	120,000.00
2	Providing, laying and fixing following dia G.I. pipe (medium class) for Nallah crossing / Road Crossing i/c Cement concrete, Bitumen Road complete with G.I. fittings etc. as required				
	a) 100 mm dia	Mtr	100	750.00	75,000.00
3	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.	Nos	6	4,000.00	24,000.00
4	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.	Mtr	36	135.00	4,860.00
5	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.				
	a) Upto 35 sq. mm	Mtr	100	235.00	23,500.00
6	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.				
	a) Above 185 sq. mm and upto 400 sq. mm	Mtr	290	295.00	85,550.00

S.No.	Description of Item	Unit	Qty	Rate	Amount
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 as required.				
	a) Upto 35 sq. mm	Mtr	5,380	55.00	295,900.00
8	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/HDPE pipe as required.				
	a) Above 185 sq. mm and upto 400 sq. mm	Mtr	18,145	85.00	1,542,325.00
9	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
	a) Above 185 sq. mm and upto 400 sq. mm	Mtr	1,140	85.00	96,900.00
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required.				
	a) Upto 35 sq. mm	Mtr	20	55.00	1,100.00
11	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required.				
	a) Above 185 sq. mm and upto 400 sq. mm	Mtr	120	65.00	7,800.00
12	Supplying and Making end termination with brass compression gland and aluminium lugs for following PVC insulated and PVC sheathed / XLPE insulated 1.1KV grade cables as required.				
	a) 2 Core x 16 mm ²	Nos	4	350.00	1,400.00
13	Supplying and Making end termination with brass compression gland and aluminium lugs for following PVC insulated and PVC sheathed / XLPE insulated 1.1KV grade cables as required.				
	a) 3.5 Core x 300 mm ²	Nos	4	600.00	2,400.00

S.No.	Description of Item	Unit	Qty	Rate	Amount
14	Supplying and Making end termination with brass compression gland and aluminium lugs for following PVC insulated and PVC sheathed / XLPE insulated 1.1KV grade cables as required.				
	a) 3.5 Core x 400 mm ²	Nos	8	600.00	4,800.00
15	Supplying and making straight through joint with heat shrinkablekit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	a) 2 Core x 16 mm ²	Nos	10	2,500.00	25,000.00
16	Supplying and making straight through joint with heat shrinkablekit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	a) 3.5 Core x 300 mm ²	Nos	6	4,200.00	25,200.00
17	Supplying and making straight through joint with heat shrinkablekit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	a) 3.5 Core x 400 mm ²	Nos	34	5,100.00	173,400.00
18	Providing, laying and fixing following dia HDPE pipe, in ground complete with necessary pipe couplings including trenching (75 cm deep and 35mm width for each pipe) and re-filling etc. as required.				
18.1	a) 40mm dia, PE-63, 4Kgf	Mtr.	5,380	37.25	200,405.00
18.2	b) 110 mm Dia, PE-63, 4 Kgf.	Mtr.	2,147	278.50	597,939.50
18.3	c) 125mm dia , PE-63, 4Kgf	Mtr.	15,333	348.50	5,343,550.50

S.No.	Description of Item	Unit	Qty	Rate	Amount
19	Supply, Installation, Testing and Commissioning of cubical type Outdoor feeder pillar suitable for 3 phase and neutral, 415 V, 50 Hz capacity fabricated from minimum 2mm CRCA sheet steel for outer sheet covering and and 1.6mm CRCA sheet steel for inner sheet door and partition, dust tight, vermin proof, totally enclosed, cubicle type with top canopy for rain protection, floor mounting, free standing, IP54, 3mm thick for glandplates with busbars including internal wiring with suitable size wires/cable, interconnections, including supply & installation of following switchgears, and accessories, suitable MS stand/PCC base for the feeder pillar as per specification as required. (Cable Entry from bottom) Incomer: a) 3 Nos. 160 Amp, 36KA 4P Moulded Case circuit breaker with mechanical keylock operation. b) 3 Set of Indication Lamps, LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. c) 3 Nos. Digital Multifunction Meter with 3 Phase CTs of suitable range for 3 phase 4 wire operation with LED display and in built-in-selector switch control with 2 Amp MCB . <u>Busbar:</u> Aluminium bus bar suitable for 200Amps, 3-phase and neutral - 01 set. <u>Outgoing:</u> i) 2 Nos. 100 Amp, 25KA 4P Moulded Case circuit breaker. ii) 1No. 32A, 10KA, C-curve, FP, MCB and with 1 No. Panel mounting Socket inclined outlet. iii) 4 Nos. 20A, 10KA, C-Curve, DP MCB. iv) 5 Nos. 10A, 10KA, C-Curve, SP MCB. Note: The LT panel compartment shall be suitable to house 1Run-3.5Cx400 Sq.mm for each incomer.	Jobs	2	210,937.00	421,874.00

S.No.	Description of Item	Unit	Qty	Rate	Amount
20	Supply, Installation, Testing and Commissioning of cubical type made out of 2mm thick CRCA sheet,totally enclosed, IP 42, floor/wall mounted with channel base frame, dust and vermin proof, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with extensible busbars on both sides, 3mm thick for glandplates with busbars including internal wiring with suitable size wires/cable, interconnections, including supply & installation of following switchgears, and accessories, suitable MS stand/PCC base for the feeder pillar as per specification as required. (Cable Entry from bottom for Incomers and from top for Outgoings) Incomer: a) 3 Nos. 160 Amp, 36KA 4P Moulded Case circuit breaker with mechanical keylock operation. b) 3 Set of Indication Lamps, LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. c) 3 Nos. Digital Multifunction Meter with 3 Phase CTs of suitable range for 3 phase 4 wire operation with LED display and in built-in-selector switch control with 2 Amp MCB. <u>Bus bar:</u> Aluminium bus bar suitable for 200Amps, 3-phase and neutral - 01 set. <u>Outgoing:</u> i) 1No. 32A, 10KA, C-curve, FP, MCB and with 1 No. Panel mounting Socket inclined outlet. ii) 6Nos. 63A, 10KA, C-curve, FP, MCB iii) 4Nos. 20A, 10KA, C-Curve, DP MCB. iv) 8Nos. 20A, 10KA, C-Curve, SP MCB. v) 6Nos. 16A, 10KA, C-curve, SP MCB. vi) 8Nos. 10A, 10KA, C-curve, SP MCB. Note: The LT panel compartment shall be suitable to house 1Run-3.5Cx400 Sq.mm for each incomer.	Job	1	214,200.00	214,200.00

S.No.	Description of Item	Unit	Qty	Rate	Amount
21	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	Each	246	650.00	159,900.00
22	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling / fixing on surface with M.S. suspenders / MS Channels including bolts & nuts, painting suspenders as per the site requirement etc. complete as required.				
	600 mm width X 50 mm depth X 2.0 mm thickness	Mtrs	600	700.00	420,000.00
23	Providing, laying and fixing following dia HDPE pipe in ground complete with necessary pipe couplings including trenching (80 cm deep and 35mm width for each pipe) and re-filling etc. as required.				-
	a) 110 mm Dia, PE-63, 4 Kgf.	Mtrs	10,988	275.50	3,027,194.00
24	Laying of OFC/10 Pair RC Cable in the existing RCC/ HUME/ METAL/HDPE pipe as required.	Mtrs	10,988	45.00	494,460.00
25	Laying of OFC/10 Pair RC Cable in the existing masonry open duct as required.	Mtr	280.42	45.00	12,618.90
26	Construction of Brick Masonary Manhole chamber of inside dimentions of 600mm x 600mm x 750mm (D) including excavation of earth (all kind of soil), PCC 1:5:10 for 100mm thick for base, inside plastering, providing CI cover of thickness 5mm on top of openable type etc., complete as required.	Job	180	750.00	135,000.00

S.No.	Description of Item	Unit	Qty	Rate	Amount
27	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same by putting concrete in ground as required.	Each	100	337.00	33,700.00
28	Providing and drawing 6 SWG dia G.I. wire in the existing RCC/HUME/GI/HDPE pipes along with OFC / RC Cable as required.	Mtr	10,988	10.00	109,880.00
				Total Rs.	13,679,856.90

(Rupees One Crore Thirty Six Lakhs Seventy Nine Thousand Eight Hundred Fifty Six and Ninety Paise Only)

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


Assistant General Manager (Engg-E)
AAI, Tirupati Airport, Renigunta.
 सहायक महा प्रबंधक - आर्थिक (विद्युत)
 Asst. General Manager - Engg. (Elec.)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 तिरुपति हवाई अड्डा, रेणिगुंटा - 517 520, (ए.पि.)
 Tirupati Airport, Renigunta - 517 520, (A.P.)

Signature Not Verified

Digitally signed by O P E LUMALAI
 Date: 2020.12.24 12:49:30 IST
 Location: eProcurement System for
 Central PSUs