



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

सं.सं.: भा.वि.प्रा/तिप/अभि-वि/एम-17/2022-23/ 1151-1161

दिनांक: 29.03.2023

Ref No: AAI/TPT/ENGG(E)/M-17/2022-23/

Date: 29.03.2023

सेवा में / TO

मेसेर्स लक्ष्मी एलेक्ट्रिकल एंटरप्राइजेज /

M/s. Lakshmi Electrical Enterprises,

सं: 1सी/ No: 1C,

सीएलसी वर्क्स रोड/ CLC Works Road,

न्यू कॉलोनी / New Colony,

क्रोमपेट/ Chromepet,

चेन्नई/ Chennai - 600 044.

ई-मेल/E-mail: lakshmielec.chennai@gmail.com

विषय: एआरएमओ वर्क्स 2022-24, उप शीर्ष: 2 वर्षों के लिए तिरुपति हवाई अड्डे पर विभिन्न पहाड़ियों पर पावर हाउस, ओटीबी, सहायक भवनों, परिधि प्रकाश और आवासीय कॉलोनी और सौर ऊर्जा बाधा रोशनी के एएमसी में ई एंड एम प्रतिष्ठानों का ओ एंड एम के कार्य के लिए कार्य आदेश।

Sub: Work Order for the work of ARMO Works 2022-24. **Sub Head:** O&M of E&M Installations at Power House, OTB, Ancillary Buildings, Perimeter Lighting and Residential Colony & AMC of Solar Powered Obstacle Lights at various hills at Tirupati Airport for 2 Years.

संदर्भ: आपके मूल्य बिड(ई-टेंडर आई.डी.2022_भाविप्रा_139906_1) सीपीपी पोर्टल द्वारा 01.02.2023 को खुला गया

Ref: Your Price Bid (e-Tender ID: 2022_AAI_139906_1) opened through CPP portal on 01.02.2023.

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 ₹.1,42,48,050/- (रुपये एक करोड़ बयालीस लाख अड़तालीस हजार और पचास मात्र) (जीएसटी, बोनस, पीएफ और ईएसआई का नियोक्ता योगदान को छोड़कर) जो 28.78% निविदा को प्रस्तुत किया गया अनुमानित ₹.2,00,04,706/- (जीएसटी, बोनस, पीएफ और ईएसआई का नियोक्ता योगदान 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 ₹.1,42,48,050/- (Rupees One Crore Forty Two Lakhs Forty Eight Thousand and Fifty Only) (Excluding GST, Bonus and employer contribution of PF & ESI), which is 28.78% below the estimated cost put to tender of ₹.2,00,04,706/- (Excluding GST, Bonus and employer contribution of PF & ESI).

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2. संयुक्त महा प्रबंधक (अभि-वि), भाविप्रा, तिरुपति एयरपोर्ट, रेनिगुंटा इस कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि अनुबंध समझौते पर हस्ताक्षर करने और उसे पूरा करने के लिए 15.04.2023 तक संयुक्त महा प्रबंधक (अभि-वि), एएआई, तिरुपति एयरपोर्ट, रेनिगुंटा के कार्यालय में उपस्थित हों। अनुबंध अनुबंध ₹.100/- (रुपये एक सौ मात्र) मूल्य के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी।

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 15.04.2023 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.

3. निविदा के साथ भुगतान की गई ₹.4,00,100/- (रुपये चार लाख और एक सौ मात्र) की बयाना सुरक्षा जमा राशि की प्राप्ति के बाद वापस कर दी जाएगी। कृपया ₹.14,24,805/- (रुपये चौदह लाख चौबीस हजार आठ सौ और पांच मात्र) 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 amount of ₹.4,00,100/- (Rupees Four Lakh and One Hundred Only) paid along with tender shall be refunded after the receipt of Security Deposit. Please deposit ₹.14,24,805/- (Rupees Fourteen Lakhs Twenty Four Thousand Eight Hundred and Five 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.

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5. कृपया नोट कीजिए कि कार्य करने के लिए दिया गया समय 24 (चौबीस) महीने होगा तथा 01.04.2023 से वहीं गिना जाएगा।

Please note that the time allowed for carrying out the work shall be 24 (TWENTY FOUR) Months and same shall be reckoned from 01.04.2023.

6. 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।

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.

7. आप सहायक महा 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 Assistant General Manager (Engg-Elect), AAI, Tirupati Airport, Renigunta, immediately who will arrange to handover the site to you.

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 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.

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

-Sd/-

संयुक्त महा प्रबंधक (अभि-वि) /Joint 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)

तिरुपतिहवाईअड्डा, रेनिगुंटा-517520, आ,प्र;फोन:0877-2275131; फ़ैक्स:0877-2275353;

Tirupati Airport, Renigunta-517520, A.P; T: 0877 2275131;Fax:0877 2275353;



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

प्रतिलिपि/COPY TO:

बाहरी/ EXTERNAL:

1. महा प्रबंधक(अभि), भा वि प्रा, विजयवाड़ा हवाई अड्डा, विजयवाड़ा / The General Manager (Engg), AAI/Vijayawada Airport, Vijayawada.
2. संयुक्त महा प्रबंधक(सतर्कता), भा वि प्रा, द.क्षे, चेन्नई हवाई अड्डा, चेन्नई/ The Joint General Manager (Vigilance), AAI/SR/Chennai Airport/Chennai.
3. The Assistant Labour Commissioner (Central), 1st Floor, G.S.M Complex, Kothavanthena Centre, Eluru Road, Vijayawada - 520002.
4. The Assistant P.F Commissioner, District Office, Employees Provident Fund Organization, 13-1-183, Pedda kapu Street, Tirupati.
5. The Deputy Director, Employees' State insurance Corporation, No.25, Tuda plots, H.No.8-71, South Extension, Rayalacheruvu, Tirupati - 517501.

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. 8-9, टिप्पण पृष्ठ सं. 8-9 दिनांक / Dtd. 09.02.2023 देखें।
- 4) प्रबंधक (अभि-वि)/ Manager (Engg-E)-II.

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

"SCHEDULE OF QUANTITIES"

NAME OF WORK: ARMO Works 2022-24.

SUB HEAD: O&M of E&M Installations at Power House, OTB, Ancillary Buildings, Perimeter Lighting and Residential Colony & AMC of Solar Powered Obstacle Lights at various hills at Tirupati Airport for 2 Years.

S.No.	Description of Item	Qty	Unit	Rate	Amount
1	Job Contract for Operation and Maintenance of Electrical and Mechanical installations at 33/0.433KV Power house, NAV-AIDS, Ground Lighting Facilities, Fire Station, MT section including minor additions and alterations as directed by Engineer-in-charge on all days including Sundays and Holidays as per Special Conditions of Contract attached.	24	Month	2,52,500.00	60,60,000.00
2	Job Contract for Operation and Maintenance of Electrical and Mechanical installations at Old Terminal Buliding (OTB), Technical Block & Pump House, Perimeter lighting and CISF Barracks including minor additions and alterations as directed by Engineer-in-charge on all days including Sundays and Holidays as per Special Conditions of Contract attached.	24	Month	1,70,100.00	40,82,400.00
3	Job Contract for Operation and Maintenance of Electrical and Mechanical installations at AAI Residential Colony including minor additions and alterations as directed by Engineer-in-charge on all days including Sundays and Holidays as per Special Conditions of Contract attached.	24	Month	49,500.00	11,88,000.00
4	Job contract for Operation and Maintenance of Fire detection & Alarm system and Fire Hydrant System at Old Terminal Buliding (OTB), Technical Block and NAV-AIDS including minor additions and alterations as directed by Engineer-in-charge on all days including Sundays and Holidays as per Special Conditions of Contract attached.	24	Month	53,700.00	12,88,800.00
5	Job Contract for routine Maintenance / servicing / monitoring of serviceability of Solar Powered Obstacle Light(SPOL) and attending breakdown servicing provided at following 5 Hill tops : SPOL Hills upto 500 Mtr. Height i.Gopalagutta ii. Suddhakalva-I iii. Suddhakalva-II iv. Kuppuchandrapeta v. Karakambadi	120	Job	1,800.00	2,16,000.00
6	Job contract for routine Maintenance / servicing / monitoring of serviceability of Solar Powered Obstacle Light(SPOL) and attending breakdown servicing provided at following 7 Hill tops: SPOL Hills above 500 Mtr. Height i.Erpedu ii.Kandadu Konda iii.Sanambatla Konda [Pedda Durga] iv.Tirupati [Gantamandapam] v.Sadasiva Konda vi.Rangaswamy Konda vii.Battanaiah Konda	168	Job	1,700.00	2,85,600.00
7	Testing of stack DG set (750KVA DG set / 62.5 KVA DG set / 25KVA DG set / 10KVA DG set / 61KW DG fire pump) for Stack emissions of NOx , NMHC , PM , CO , SO2 under Environmental Monitoring Services and submission of test analysis reports as per CPCB, MoE&F, GOI.	28	Job	1,800.00	50,400.00
8	Supply of Silica gel crystals for Power Transformer as and when required.	34	Kg	300.00	10,200.00
9	Testing of transformer oil sample with H.T. B.D.V Kit and submission of test certificate etc. as required.	10	Job	350.00	3,500.00

S.No.	Description of Item	Qty	Unit	Rate	Amount
10	Supply of Transformer Oil complies to IS 335-1993 and latest amendments upto date for Top up of 2 MVA, 33KV/433V Transformers with OLTC and 160KVA, 11KV/433V Transformers, as required.	200	Ltr	140.00	28,000.00
11	Dehydration/filtration of transformer oil to attain acceptable dielectric strength by hot streamline process for 33/0.433kV indoor transformers and 11/0.433kV Outdoor Transformer including transportation of filtration equipment, submission of BDV test reports etc. as required. i) 2x2MVA Transformers-(2420 Ltr per each) ii) 2xOLTC-(700 Ltr per each) iii) 1x160KVA Transformer-(400 Ltr per each)	13280	Ltr	5.00	66,400.00
12	Job contract for servicing of On-Load tap Changer (Make: CTR) used for 33/0.433KV, Transformer including removal of oil, cleaning of selector switch (for removal of carbon), tightening of all loose connections, cleaning of OLTC tank and re-filling of fresh/filtered oil having suitable BDV to the required level and complete as required. (New Oil shall be supplied by AAI, incase of topup requirement).	4	Job	6,100.00	24,400.00
13	Calibration and testing of following relays at 33KV H.T.Panel using Relay testing kit / primary / secondary injection kit including transportation of testing kits, adjustment of plug settings, if any and submission of test reports etc. i) Overcurrent & Earth fault relay: 7 Nos. ii) Trip Circuit Supervision Relay: 7 Nos. iii) Transformer Auxiliary Relay: 4 Nos.	2	Set	30,000.00	60,000.00
14	Annual Service Contract of Kirloskar make, 33KV, Vaccum Circuit Breakers (VCB) of capacity 1250A (Total: 7 Nos) by carrying out preventive maintenance checks (once in a year) as per OEM's recommendations and as per Special conditions of contract attached. (Service contract is excluding spares.) (Note: One Job refers to One Yearly visit)	2	Job	40,500.00	81,000.00
15	Job contract for attending breakdown service for Kirloskar make, 33KV, Vaccum Circuit Breakers (VCB) of capacity 1250A (Qty: 1 No) as per OEM's recommendations and as per Special Conditions of Contract attached. (Service contract is excluding spares.)	4	Job	7,500.00	30,000.00
16	Annual Service Contract of ABB make Low Voltage Air Circuit Breakers (ACB) of capacities ranging from 800A to 3200A (Model: SACE Emax, Total: 31 Nos) by carrying out preventive maintenance checks (once in six months) as per OEM's recommendations and attending breakdown calls as and when required and as per Special conditions of contract attached. (Service contract is excluding spares.) (Note: One Job refers to One Halfyearly visit)	4	Job	18,500.00	74,000.00
17	Comprehensive Maintenance contract of 5KVA UPS system (Make: M/s Power One Microsystems Pvt.Ltd., Model: PMP502R30, Machine No. 20190500446) with Quarterly preventive maintenance services and attending breakdowns as and when required etc. as per the special conditions attached. (Note: The CMC shall be inclusive of necessary spares/consumables and excluding batteries) (Note: One Job refers to One Quarterly visit)	8	Job	5,100.00	40,800.00
18	Calibration of Digital Earth Clamp tester (Make: MECO, Model: 4680BLC, Sr.No. 360103) through NABL accredited laboratory and submission of reports	2	Job	3,500.00	7,000.00
19	Calibration of Digital Lux meter (Make: MECO, Model: 930T, Sr.No. 20171228489) through NABL accredited laboratory and submission of reports.	2	Job	4,500.00	9,000.00
20	Calibration of Clinometer (Make: AMA Pvt.Ltd., MK-III, Sr.No. 244/18) through NABL accredited laboratory and submission of reports.	2	Job	2,500.00	5,000.00

S.No.	Description of Item	Qty	Unit	Rate	Amount
21	Supply of Double side/Twin Step Self-support Aluminium heavy duty ladder of 6 Feet height and material made up of aluminum alloy 'C' Section 66 x 32 x 3.18 mm thickness He30 Grade and suitable number of 65 mm wide x 3.18mm thick ribbed non-slip flat steps, anti-slip rubber shoes on all legs etc, complete as required.	1	Each	6,200.00	6,200.00
22	Supply of Double side/Twin Step Self-support Aluminium heavy duty ladder of 10 Feet height and material made up of aluminum alloy 'C' Section 66 x 32 x 3.18 mm thickness He30 Grade and suitable number of 65 mm wide x 3.18mm thick ribbed non-slip flat steps, anti-slip rubber shoes on all legs etc, complete as required.	2	Each	8,500.00	17,000.00
23	Supply & fixing HT danger notice plate of 250 mm x 200mm, made of mild steel sheet of at least 2mm thick & vitreous enamelled white on both sides and with inscription in signal red colour on front side as required. (33 kV)	10	Each	250.00	2,500.00
24	Supply & fixing MV danger notice plate of 200 mm x 200mm, made of mild steel sheet of at least 2mm thick & vitreous enamelled white on both sides and with inscription in signal red colour on front side as required.	5	Each	250.00	1,250.00
25	Painting (two or more coats) on Elevated type, Air-field light fittings viz. edge / approach / end / threshold lights with synthetic enamel paint of approved brand and manufacture and required colour including making numbering and complete as required.	600	Job	150.00	90,000.00
26	Painting (two or more coats) on existing street light pole (Approx. 8m Ht.)with synthetic enamel paint of approved brand and manufacture and required colour including making numbering for each pole at Tirupati Airport and complete as required.	54	Job	700.00	37,800.00
27	Painting (two or more coats) on existing street light pole (Approx. 5m Ht.)with synthetic enamel paint of approved brand and manufacture and required colour including making numbering for each pole at AAI Residential Colony and complete as required.	34	Job	450.00	15,300.00
28	Providing manpower to attend any urgent/emergency/contingency work etc. as required and as per the direction of E-I-C.				
28.1	Skilled manpower	60	Days	825.00	49,500.00
28.2	Un-skilled manpower	60	Days	600.00	36,000.00
29	Providing of JCB on hiring basis for any urgent /emergency works at Tirupati Airport including Operational area.The scope covers Hiring of JCB on hourly basis including Mobilization charges, driver bata,etc.	200	Hours	800.00	1,60,000.00
30	Providing of Crane (14Ton) on hiring basis for any urgent /emergency works at Tirupati Airport including Operational area.The scope covers hiring of Crane on hourly basis including Mobilization charges, driver bata,etc.	20	Hours	1,100.00	22,000.00
31	Execution of any item of work as per CPWD Delhi Schedule of Rates (E&M)-2022 as and when required.	2,00,000.00	%	1.00	2,00,000.00
Total (Excluding GST) (Rs.)					142,48,050.00

(Rupees One Crore Forty Two Lakhs Forty Eight Thousand and Fifty Only)

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

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

Signature Not Verified

Digitally signed by NELLORE
BALACHANDRA
Date: 2024.03.06 18:13:38 IST
Location: eProcurement System for
Central PSUs