



QMS 9001:2015 EMS 14001:2015 CERTIFIED

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

कलिकट अंतर्राष्ट्रीय विमानपत्तन / CALICUT INTERNATIONAL AIRPORT

कलिकट विमानपत्तन(पी.ओ.) केरल / Calicut Airport (P.O), Kerala - 673 647

दूरभाष Phone : 0483 2719475, फैक्स/Fax : 0483 2711406, ई-मेल/E mail : dgmelect_calicut@aii.aero

By Speed Post / E-mail

Ref. No. AAI/CL/ENGG(E)/227/WO-43/81

Date: 18.06.2024

M/s Mankha Electrotech Pvt.Ltd.,
Shop No. C 54, GF,
DDA Commercial Shop, Block C,
Mangolpuri Industrial Area, Ph-I,
Delhi - 110 083

Name of Work : Replacement of existing LT Cable in Operational area including operational area lighting at Calicut International Airport.

Ref : Your financial bid opened on 27.05.2024

Dear Sir(s),

1. 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 ~~after negotiation~~ totaling to **Rs.52,15,350.30 (Rupees Fifty Two Lakhs Fifteen Thousand Three Hundred Fifty and Thirty Paise Only) (excluding GST) which is 32.00% below the justified cost of Rs.76,69,624/-**
2. Asst. Gen. Manager (Engg-Elect), AAI, Calicut International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of Asst. Gen. Manager (Engg-Elect), AAI, Calicut International Airport by **01.07.2024** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.200/- (Rupees Two Hundred only)** and the cost of the stamp paper shall be borne by you.
3. The earnest money deposited by you along with tender will be released by AAI through NIC-CPP portal on processing your RA bills. Please deposit **Rs. 5,21,535/- (Rupees Five Lakhs Twenty One Thousand Five hundred and Thirty Five only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause No.1 A at page No. GCC 16 of contract document.
4. Within 30 days of issue of acceptance letter you shall submit to AAI, a Performance Guarantee as per condition of Clause 9 on page SCC 3 for an amount of Rs.....(Rupees.....Only) in the form of Bank Guarantee on the Proforma appended Annexure ...onof Contract Document (If it is applicable).

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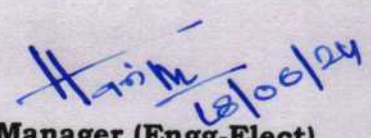
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5. You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction of Works (Regulation of Employment and Condition of Services) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 37 on Page No.66 & 88 of GCC of tender and rules of Central and State Government.
6. You are also directed to contact Manager (Engg-Elect), AAI, Calicut International Airport immediately who will arrange to hand over the site.
7. Please note that the time allowed for carrying out the work shall be **03 (Three) Months** and same shall be reckoned from the 10th day of issue of this letter.
8. Any further correspondence in connection with the contract should normally be addressed to the Engineer- In- Charge.
9. Please note that the awarded rate is exclusive of GST and you are required to submit valid GST invoices for effecting payment.
10. AAI has registered as a buyer under TREDS and vendors may avail the benefits of TREDS, a govt. of India initiative
11. The period within which payment would be released to MSME vendors after submission /processing of invoices/claims is 45 days.
12. 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.

Thanking you,

Encl: SOQ

Yours faithfully,


Asst. General Manager (Engg-Elect)
For and on behalf of the Chairman
Airports Authority of India

Validate

Print

Help

Item Rate BoQ**Tender Inviting Authority: Asst. General Manager Engg(Elect),Calicut Airport****Name of Work : Replacement of Existing LT Cable in Operational area including Operational area lighting at Calicut International Airport****Contract No: <2024_AAI_194065_1****Name of the Bidder/
Bidding Firm /
Company :****MANKHA ELECTROTECH PRIVATE LIMITED****PRICE SCHEDULE****(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)**

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
1	Supplying of XLPE insulated, PVC sheathed, armoured Aluminium conductor Power Cable of 1.1 KV grade of following size etc as per IS 7098 Part-I 1988 with upto date amendments etc as required. (a) 4 C x 16 sq mm	Item No.1 (a)	3650	Meter	132.10	482165.00	INR Four Lakh Eighty Two Thousand One Hundred & Sixty Five Only
2	Supplying of XLPE insulated, PVC sheathed, armoured Aluminium conductor Power Cable of 1.1 KV grade of following size etc as per IS 7098 Part-I 1988 with upto date amendments etc as required. (b) 3.5 C x 185 sq mm	Item No.1(b)	1800	Meter	804.74	1448532.00	INR Fourteen Lakh Forty Eight Thousand Five Hundred & Thirty Two Only
3	Supplying of XLPE insulated, PVC sheathed, armoured Aluminium conductor Power Cable of 1.1 KV grade of following size etc as per IS 7098 Part-I 1988 with upto date amendments etc as required. (c) 3.5 C x 240 sq mm	Item No.1©	700	Meter	1165.19	815633.00	INR Eight Lakh Fifteen Thousand Six Hundred & Thirty Three Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. A) 3 x 1.5 Sq.mm	Item No.2	250	Meter	51.34	12835.00	INR Twelve Thousand Eight Hundred & Thirty Five Only
5	Fixing of following sizes of medium class GI pipe along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. 20 mm	Item No.3	250	Meter	90.00	22500.00	INR Twenty Two Thousand Five Hundred Only
6	Laying and fixing of one number XLPE/ PVC insulated PVC sheathed aluminium/copper conductor cable of 1.1 KV grade of following sizes on wall surface/ Cable tray as required. (a) Upto 35 sq. mm (clamped with 1mm thick saddle)	Item No.4(a)	50	Meter	20.00	1000.00	INR One Thousand Only
7	Laying and fixing of one number XLPE/ PVC insulated PVC sheathed aluminium/copper conductor cable of 1.1 KV grade of following sizes on wall surface/ Cable tray as required. (b) Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Item No.4(b)	50	Meter	30.00	1500.00	INR One Thousand Five Hundred Only
8	Laying and fixing of one number XLPE/ PVC insulated PVC sheathed aluminium/copper conductor cable of 1.1 KV grade of following sizes on wall surface/ Cable tray as required. © Above 185 sq.mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Item No.4©	75	Meter	40.00	3000.00	INR Three Thousand Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
9	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 95 sq.mm and upto 185 sq.mm	Item No.5(a)	50	Meter	30.00	1500.00	INR One Thousand Five Hundred Only
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. (b) Above 185 sq.mm and upto 400 sq.mm	Item No.5 (b)	75	Meter	45.00	3375.00	INR Three Thousand Three Hundred & Seventy Five Only
11	Supplying of following size HDPE pipe ISI marked conforming to IS 4984, complete as required. (a) 90 mm dia (PE 63 PN 6)	Item No.6(a)	1950	Meter	180.25	351487.50	INR Three Lakh Fifty One Thousand Four Hundred & Eighty Seven and Paise Fifty Only
12	Laying of following size HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984, complete with fitting and cutting, jointing etc. in the existing trench, complete as required. (a) 50 mm dia (PE 63 PN 6)	Item No.7(a)	3430	Meter	30.00	102900.00	INR One Lakh Two Thousand Nine Hundred Only
13	Laying of following size HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984, complete with fitting and cutting, jointing etc. in the existing trench, complete as required. (b) 59 mm dia (PE 63 PN 6)	Item No.7(b)	1900	Meter	30.00	57000.00	INR Fifty Seven Thousand Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
14	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 pipe as required. (a) Upto 35 sq. mm	Item No.8(a)	3450	Meter	15.00	51750.00	INR Fifty One Thousand Seven Hundred & Fifty Only
15	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 pipe as required. (b) Above 95 sq. mm and upto 185 sq. mm	Item No.8(b)	1700	Meter	25.00	42500.00	INR Forty Two Thousand Five Hundred Only
16	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 pipe as required. (c) Above 185 sq.mm and upto 400 sq.Mm	Item No.8 ©	550	Meter	30.00	16500.00	INR Sixteen Thousand Five Hundred Only
17	Excavation for cable trenches of depth up to 75 cm and width up to 30 cm in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 meters.	Item No.9	5400	Meter	70.00	378000.00	INR Three Lakh Seventy Eight Thousand Only
18	Excavation of the cable trenches in hard rock not exceeding 30 cm in width, and depth upto 75 cm, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 meters.	Item No.10	30	CUM	900.00	27000.00	INR Twenty Seven Thousand Only
19	Providing and laying in position cement concrete of grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including the centering, shuttering, strutting, propping etc and removal of form work.	Item No.11	50	CUM	7000.00	350000.00	INR Three Lakh Fifty Thousand Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
20	Providing and laying in position cement concrete of grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including the centering, shuttering, strutting, propping, leveling etc and removal of form work, at bottom of each perimeter pole with size 200 cm x 200 cm x 10 cm. (1 Job = P&L of PCC of size 200cmx200cmx10cm at the bottom of each perimeter pole)	Item No.12	300	Job	400.00	120000.00	INR One Lakh Twenty Thousand Only
21	Supply and installation of Digital time switch (Equivalent to L&T make CAT NO. 67DDT0) including required interconnections etc complete as required.	Item No.13	6	Each	2500.40	15002.40	INR Fifteen Thousand & Two and Paise Forty Only
22	Supplying and embedding following dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape complete as required. (a) 40 mm dia	Item No.14(a)	8	Job	405.00	3240.00	INR Three Thousand Two Hundred & Forty Only
23	E/O STREET LIGHT POLE : Erection of conical metallic pole /FRP pole by providing RCC foundation 450 mm x 450 mm x 1400 mm or as specified by the OEM, providing and embedding foundation bolt of size Φ 20 x 750 mm (or as specified by the OEM of the pole), fixing the base plate , providing and embedding Φ 63 mm reinforced PVC flexible conduit for cable entry and laying in position cement concrete of 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) grade around the foundation of the pole with dimensions 1 m x 1 m x 0.1 m (Length x Breadth x Thickness). etc. complete as required.	Item No.15	10	Job	3600.00	36000.00	INR Thirty Six Thousand Only
24	D/O STREET LIGHT POLE : Detatching the existing metallic pole from cement concrete foundation by suitable means, as approved by AAI, providing and fixing base plate of size 250 mm x 250 mm x 20 mm or as specified by the OEM by way of continuous welding, providing weather coat with bituminous based paint etc complete as required.	Item No.16	3	Job	2000.00	6000.00	INR Six Thousand Only

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1	2	3	3	4	5	6	7
25	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.	Item No.17	4	Each	9100.00	36400.00	INR Thirty Six Thousand Four Hundred Only
26	Fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.(GI wire will be supplied by AAI).	Item No.18	300	Meter	35.00	10500.00	INR Ten Thousand Five Hundred Only
27	S/O LED LIGHT FIXTURES : Supply of LED street light/flood light fixtures of efficacy minimum 110 lm/w,, CRI ≥ 70,THD ≤10, IP 65 or higher, surge protection ≥ 4 kV, P.F ≥ 0.95, High pressure diecast aluminium/standard alloy housing, warranty period of 5 years from date of completion, total power consumption of not more than 110% of rated power, any of the following make of LED - Nichia/Cree/Osram/Lumiled (Philips)/Sharp/Seoul/Everlite/ Citizen(Japan)/ Bridgelux(USA)/ Samsung and completely complying to the specifications in the tender document of following wattage. (a) 100 W LED street light fixtures	Item No.19 (a)	14	Each	5075.00	71050.00	INR Seventy One Thousand & Fifty Only
28	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. (a) 4 X 16 sq. mm (28mm)	Item No.20(a)	200	Each	195.00	39000.00	INR Thirty Nine Thousand Only
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. (b) 3.5 X 185 sq. mm (57mm)	Item No.20 (b)	12	Each	390.00	4680.00	INR Four Thousand Six Hundred & Eighty Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
30	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. (c) 3.5 X 240 sq. mm (62mm)	Item No.20 ©	2	Each	520.00	1040.00	INR One Thousand & Forty Only
31	Supply and fixing of SMC loop in loop out box of inside dimension 240 X 130 X 95 (equivalent to Sintex make model No.GS-JB-2817) including suitable 20 A 4 way connector and din rail etc, including making required interconnections as required.	Item No.21	100	Each	1650.00	165000.00	INR One Lakh Sixty Five Thousand Only
32	"SITC OF LT PANEL : Design, fabrication, installation, testing and commissioning of floor standing out door LT panel with aluminium bus bar conforming to relevant IS made out of 14 SWG CRCA sheet steel, IP 54 or above, with required accessories, connector modules, RYB indication lamps (toggle switch controlled) for each incomer and out going, analog Voltmeter and ammeter with required CT and RYB selector switch for incomer, key less door locks and consisting of following, as per tender specifications etc. as required. Incomer (a) 1 No. 150 A thermal magnetic release 4 pole MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle. Out going (a) 1 No 4 pole 100 A thermal magnetic release MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle. (b) 1 No 4 pole 100 A thermal magnetic release MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle (c) 1 No 4 pole 100 A thermal magnetic release MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle (d) 2 Nos. 32 A ""B"" Curve 4 pole MCB of 10 kA breaking capacity	Item No.22	1	Job	88380.00	88380.00	INR Eighty Eight Thousand Three Hundred & Eighty Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	3	4	5	6	7
33	"SITC OF LT PANEL : Design, fabrication, installation, testing and commissioning of floor standing out door LT panel with aluminium bus bar conforming to relevant IS made out of 14 SWG CRCA sheet steel, IP 54 or above, with required accessories, connector modules, RYB indication lamps (toggle switch controlled) for each incomer and out going, analog Voltmeter and ammeter with required CT and RYB selector switch for incomer, key less door locks and consisting of following, as per tender specifications etc. as required. Incomer (a) 1 No. 150 A thermal magnetic release 4 pole MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle. Out going (a) 1 No 4 pole 100 A thermal magnetic release MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle. (b) 1 No 4 pole 100 A thermal magnetic release MCCB of 25 kA breaking capacity, Ics= 100% Icu. with rotary handle (c) 2 Nos. 32 A ""B"" Curve 4 pole MCB of 10 kA breaking capacity	Item No.23	1	Job	69980.00	69980.00	INR Sixty Nine Thousand Nine Hundred & Eighty Only
34	Supply of Fibreglass Frangible Uniform Pole of 6.0Mtr height having min. 100mm Dia, with GI fixed base plate provided with clamps for lighting arrester and foundation bolts (any other accessories not include), meeting frangibility criteria as per ICAO Part-6 design manual meeting wind speed requirements & frangibility criteria i.e. Force Imparted ≤45 kN & Energy Imparted ≤55kJ. (Type test report of frangibility and deflection is required.) The Fibreglass Pole material must be UV Resistant type tested as per ASTM G-154 for Min. 2000 hours (Equivalent to 10 year outdoor life), with reduction in tensile & flexural strength not more than 15% also type tested as per ASTM E-84 meeting flame spread ≤15. (Type test to be provided along with tender)	Item No.24	15	Job	13500.00	202500.00	INR Two Lakh Two Thousand Five Hundred Only
35	Supply and installation of Digital time switch (Equivalent to L&T make CAT NO. 67DDT0) including required interconnections etc complete as required.	Item No.25	1	Job	2500.40	2500.40	INR Two Thousand Five Hundred and Paise Forty Only

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1	2	3	3	4	5	6	7
36	E/O STREET LIGHT POLE : Erection of conical metallic pole /FRP pole by providing RCC foundation 450 mm x 450 mm x 1400 mm or as specified by the OEM, providing and embedding foundation bolt of size Φ 20 x 750 mm (or as specified by the OEM of the pole), fixing the base plate , providing and embedding Φ 63 mm reinforced PVC flexible conduit for cable entry and laying in position cement concrete of 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) grade around the foundation of the pole with dimensions 1 m x 1 m x 0.1 m (Length x Breadth x Thickness). etc. complete as required.	Item No.26	15	Job	3600.00	54000.00	INR Fifty Four Thousand Only
37	SITC of LED LIGHT FIXTURES : Supply, Installation , Tesating and commissioning of LED street light/flood light fixtures of efficacy minimum 110 lm/w,, CRI $\geq$ 70,THD $\leq$ 10, IP 65 or higher, surge protection $\geq$ 4 kV, P.F $\geq$ 0.95, High pressure diecast aluminium/standard alloy housing, warranty period of 5 years from date of completion, total power consumption of not more than 110% of rated power, any of the following make of LED - Nichia/Cree/Osram/Lumiled (Philips)/Sharp/Seoul/Everlite/Citizen(Japan)/ Bridgelux(USA)/ Samsung and completely complying to the specifications in the tender document of following wattage. The Installation of LED fixtures on the FRP Poles of Item No.24 shall be carried out along with necessary brackets and accessories as required.	Item No.27	30	Each	4030.00	120900.00	INR One Lakh Twenty Thousand Nine Hundred Only
Total in Figures						5215350.30	INR Fifty Two Lakh Fifteen Thousand Three Hundred & Fifty and Paise Thirty Only
Quoted Rate in Words		INR Fifty Two Lakh Fifteen Thousand Three Hundred & Fifty and Paise Thirty Only					

* Applicable GST will be paid extra on production of documentary evidence.

हरी पी.आर / HARI P.R
म.म.प्र(इ.-वि.) / AGM(E-E)
भा.वि.प्रा.कालिकट अंतर्राष्ट्रीय हवाई अड्डा
AAI, Calicut International Airport