



QMS 9001:2008 EMS 14001:2004 Certified

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

कालिकट अंतर्राष्ट्रीय विमानपत्तन / CALICUT INTERNATIONAL AIRPORT

कालिकट विमानपत्तन(पो.ओ.), केरल / Calicut Airport (P.O.), Kerala - 673 647
दूरभाष/Phone : 0483 271 2630, फैक्स/Fax : 0483 2711406, ई-मेल/E mail : apd_calicut@aii.aero

By Regd.AD/E-mail

Ref. No. AAI/CL/ENGG(E)/91/WO-72/130

Date: 23.11.2020

**M/s MPC Electricals and Engineers,
2, Shanti Nagar,
Sector No.3, Hiran Magri, Udaipur,
Rajasthan - 313 001**

Name of Work : Augmentation of Power Supply to Perimeter Lighting system and Miscellaneous Works - Phase I.

Ref: : Your financial bid opened on 13.11.2020.

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 totaling to **Rs.38,58,095/- (Rupees Thirty Eight Lakhs Fifty Eight Thousand and Ninety Five Only)** which is 18.95% below the justified cost.
2. Jt. 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 Jt. Gen. Manager (Engg-Elect), AAI, Calicut International Airport by **04.12.2020** 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 amount of **Rs.95,012/- (Rupees Ninety Five thousand and Twelve only)** received alongwith your tender will be treated and converted as part of security deposit as per Clause No.1 A on Page No. GCC 17 of contract document. Please deposit **Rs.2,90,798/- (Rupees Two Lakhs Ninety Thousand Seven Hundred and Ninety Seven 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.GCC17 of contract document
4. Within 30 days of issue of acceptance letter, you shall submit to AAI, a Performance Guarantee as per condition of clauseon page.....for an amount of **Rs. (Rupees.....Only)** in the form of Bank Guarantee on the Proforma appended at Annexure ...onof Contract Document (If it is applicable).



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कलिकट विमानपत्तन (पी.ओ.) केरल / Calicut Airport (P.O.), Kerala - 673 647
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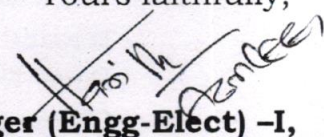
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5. You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction of Works (Regulation of Employment and Condition of Services) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 19 on Page No.50-56 of GCC of tender and rules of Central and State Government.
6. You are also directed to contact Asst. Gen. Manager (Engg-Elect)- I, 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 **06 (Six) 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. 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) -I,
For and on behalf of the Chairman,
Airports Authority of India**

Airports Authority of India
Engineering Wing (Electrical)
SR, Calicut International Airport, Calicut-673 647
SCHEDULE OF QUANTITIES

Name of Work : Augmentation of Power Supply to Perimeter Lighting System and Miscellaneous Works - Phase I					
Sl No.	Item Description	Qty	Unit	Rate	Amount
1	Supply of following size PVC sheathed, PVC insulated/XLPE armoured aluminium conductor cable of 1.1 KV grade conforming to IS 7098 Part I etc. as required.				
(i)	3.5 x 185 Sq.mm.	2260	metre	502.00	11,34,520.00
(ii)	4 x 16 Sq.mm.	700	metre	125.00	87,500.00
2	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 SW/G 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. 250 A thermal magnetic release 4 pole MCCB of 50 kA breaking capacity, $I_{cs} = 100\% I_{cu}$ with rotary handle. Out going (a) 1 No 4 pole 250 A thermal magnetic release MCCB of 50 kA breaking capacity, $I_{cs} = 100\% I_{cu}$ with rotary handle. (b) 2 Nos. 63 A thermal release 4 pole MCCB of 25 kA breaking capacity, $I_{cs} = 100\% I_{cu}$ with rotary handle. (c) 2 Nos. 32 A "B" Curve 4 pole MCB of 10 kA breaking capacity along with each O/G containing the following. (i) 2 Nos. 32A, 3 Pole Power Contactor of Coil Voltage 240V, 50Hz (ii) Astronomical time switch (3 output (loutput per phase) and suitable for three phase supply) of automatic switching On & OFF of street lights at sun set & sun rise or twilight(Auto ON, Auto OFF, Auto modes) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site. (iii) Suitable connectors.	3	JOB	1,51,000.00	4,53,000.00

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 14.06.12

Sl No.	Item Description	Qty	Unit	Rate	Amount
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.	13	SET	5,300.00	68,900.00
4	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required. (Supply and fixing of 40 mm dia G.I. pipe is also included in this scope)	40	metre	350.00	14,000.00
5	Supply and fixing of following size HDPE Pipe (conforming to IS :4984) of nominal length 3 metres on suitable P.C.C block supports [1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)] of minimum size 30 cm x 51.5 cm (45 cm height above ground and 6.5 cm underground) x 15 cm ,including providing the P.C.C foundation supports etc. as required.				-
(i)	90 mm dia (PN 6 rated and PE grade 63)	3190	metre	380.00	12,12,200.00
(ii)	50 mm dia (PN 6 rated and PE grade 63)	50	metre	180.00	9,000.00
6	Providing and 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.	2760	metre	17.00	46,920.00
7	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.				-
(i)	3½ X 300 sq. mm (70 mm)	2	SET	830.00	1,660.00
(ii)	3½ X 185 sq. mm (57 mm)	9	SET	710.00	6,390.00
(iii)	4 X 16 sq. mm (28 mm)	20	SET	350.00	7,000.00
8	Supply of 30 W LED street light fixtures of efficacy minimum 100 lm/w., CRI ≥ 80, THD ≤10, IP65 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 complying to the specifications in the tender document.	25	EACH	1,700.00	42,500.00

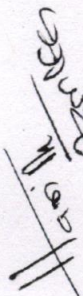
Sl No.	Item Description	Qty	Unit	Rate	Amount
9	Supply of 50 W LED flood light fixtures of efficacy minimum 100 lm/w., CRI ≥ 80, THD ≤ 10, IP65 or higher, surge protection ≥ 4 kV, P.F ≥ 0.95, High pressure diecast aluminium/standard alloy housing, warranty period of 5 years from date of completion, total 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 complying to the specifications in the tender document.	15	EACH	2,230.00	33,450.00
10	Supply of 100 W LED flood light fixtures of efficacy minimum 100 lm/w., CRI ≥ 80, THD ≤ 10, IP65 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 complying to the specifications in the tender document.	15	EACH	3,500.00	52,500.00
11	Providing cable chamber of inner size 1 m x 1m x 0.75m with 1:3:6 cement concrete (cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) along with MS cover of suitable size and 8 mm thickness with handle, including painting the cover with approved shade of enamel paint, providing identification marking etc. as required.	8	JOB	17,000.00	1,36,000.00
12	Dismantling bituminous road (max depth of 25 cm) manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	20	Sq.m	1,700.00	34,000.00
13	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.	5	CUM	1,700.00	8,500.00
14	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. (c) Above 185 sq. mm and upto 400 sq. mm (clamped with 40 x 3mm MS flat clamp)	15	Meter	62.00	930.00
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.				
(a)	Above 95 sq. mm and upto 185 sq. mm	2240	metre	35.00	78,400.00
(b)	Up to 35 Sq.mm	475	metre	29.00	13,775.00
(c)	Above 185 sq. mm and upto 400 sq. mm	725	metre	35.00	25,375.00

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Sl No.	Item Description	Qty	Unit	Rate	Amount
16	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	15	meter	35.00	525.00
17	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 40 mm nominal size) in foundation including form work etc as required.	20	CUM	5,300.00	1,06,000.00
18	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)	80 mm dia	50	metre	1,420.00	71,000.00
(b)	50 mm dia	250	metre	440.00	1,10,000.00
19	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. (Pipe will be provided by AAI)				-
(a)	40/50 mm dia	250	metre	125.00	31,250.00
20	SITC of 250 A 4 pole change over switch with SS enclosure (Make Havells, Model Euro Load Order Code: IHCNFO0250) with rotary handle, including providing necessary supports using MS channel on PCC foundation, painting of supports etc. as required.	1	JOB	17,000.00	17,000.00
21	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (along with 125 A thermal magnetic release MCCB 25 kA breaking capacity as in comer) as required . (a) 12 way , Double door	1	EACH	26,000.00	26,000.00
22	Supplying and fixing 32 amps rating, 415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. (a) Four pole	10	EACH	1,700.00	17,000.00
23	Supplying and fixing 63 amps rating, 415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. (a) Four pole	5	EACH	1,700.00	8,500.00

Sl No.	Item Description	Qty	Unit	Rate	Amount
24	Dismantling of existing LT panel of size not exceeding 2500 mm x 2000 mm x 60 mm [Length x Height x Depth] including disconnecting all LT cables from the switches, shifting the panel from the existing location to the dismantled store of AAI etc. as required.	1	EACH	4,300.00	4,300.00
	Total				38,58,095.00

(Rupees Thirty Eight Lakhs Fifty Eight Thousand and Ninety Five Only)


 Asst. General Manager (Engg-Elect) - I
 AAI, Calicut International Airport