



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 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)/96/WO-77/004

Date: 08.01.2021

M/s Balaji Engineering,
Flat No.18, 3rd Floor,
Queens Castle, Lakshmi Nagar,
7th Street, Nanganallur,
Chennai 600 061.

Name of Work : ARMO of E&M Installations at Calicut International Airport for the year 2020-21.
SH : Supply of GLF Spares for Day to Day Maintenance of GLF Equipments and Procurement of Batteries at Calicut International Airport for the year 2020-21

Ref: : Your financial bid opened on 18.12.2020.

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.27,79,000/- (Rupees Twenty Seven Lakhs Seventy Nine Thousand Only)** which is 7.57% 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 **14.01.2021** 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.60,134/- (Rupees Sixty thousand One hundred and Thirty Four 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.2,17,766/- (Rupees Two Lakhs Seventeen Thousand Seven Hundred and Sixty Six 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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QMS 9001:2008 EMS 14001:2004 Certified

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कालिकट अंतर्राष्ट्रीय विमानपत्तन / CALICUT INTERNATIONAL AIRPORT
कालिकट विमानपत्तन(पी.ओ.), केरल / Calicut Airport (P.O.), Kerala - 673 647
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-2-

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 **02 (Two) 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,

[Signature]
08/01/2024
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 : ARMO of E&M Installations at Calicut International Airport for the year 2020-21.
SH : Supply of GLF Spares for Day to Day Maintenance of GLF Equipments and Procurement of Batteries at Calicut International Airport for the year 2020-21

Sl. No	Item Description	Unit	Qty	Rate	Amount
1	Supply of 200 watts 6.6/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Each	30	4,500.00	1,35,000.00
2	Supply of 45 watts, 6.6/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Each	5	3,000.00	15,000.00
3	Supply of 150W 6.6/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Each	15	4,000.00	60,000.00
4	Supply of 150 watts , 20/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Each	15	4,000.00	60,000.00
5	Supply of Halogen lamp 150W (OSRAM, 64631 HLX-Z 150W-15 PK30D or equivalent) suitable for use in runway edge light fitting or equivalent in approved makes of AAI	Each	105	700.00	73,500.00

Sl. No	Item Description	Unit	Qty	Rate	Amount
6	Supply of Halogen lamp 200 W (OSRAM, 64382 HLX-C 200W 6.6A PK30D or equivalent,) suitable for use in Runway Edge Light fitting or equivalent in approved makes of AAI	Each	100	700.00	70,000.00
7	Supply of 5 KV Plug & receptacles type 1 Class B suitable for use with 6 Sqmm 5 KV grade Airfield Cable	Each	30	350.00	10,500.00
8	Supply of PVC Insulation tape of 18 mm x 0.125 mm & length 7 meter/roll having self adhesiveness with ISI Specification suitable for LT for electrical applications as per AAI approved makes and standards.	Each	200	10.00	2,000.00
9	Supply of 3 M Scotch Super 33+™ Vinyl Electrical Tape, 3/4 in x 20 ft, Premium grade, 7 mm thick, all-weather vinyl-insulating tape having rubber resin adhesive complete as required.	Each	50	1,000.00	50,000.00
10	Supply of 3 M Scotch Super 22 Heavy duty Vinyl Electrical Tape, 3/4 in x 36 yd, Premium grade, 10 mm thick, having rubber resin adhesive complete as required.	Each	75	1,000.00	75,000.00
11	Supply of 2x2.5 sq.mm copper flexible secondary lead of following length made out of multistranded, annealed, PCP sheathed, unshielded, EPR insulated, anti-termite& antirodent cable of 5 kv grade with moulded plug and receptacle as required as per particular specifications. a) 40 CM	Each	35	500.00	17,500.00
12	Supply of Clinometer for PAPL.	Each	1	50,000.00	50,000.00
13	Supply of LED lamp of base E22, of capacity 9/10W, p.f not less than 0.85, lumens per watt not less than 90, suitable heat sink, CCT 5700 K to 6500 K, CRI > 70, with min 1.5 KV surge protection, THD<15%, suitable for use at 230 V +/- 5%, 50 Hz+/-5%, including interconnections if any, as required . (Equivalent to Syska model SSK-PA-9W)	Each	130	500.00	65,000.00

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Sl. No	Item Description	Unit	Qty	Rate	Amount
14	Supply of Flasher card for Solar Powered Obstruction lights which works in 12V DC of make AVAIDS and model ATV/TECH-31/MI/12/15/2	Each	4	5,000.00	20,000.00
15	Supply of Flashing lamps for Solar Powered Obstruction Lights which works in 12 V DC of make AVAIDS and model No. TASS-MI-XLL-1,12V DC.	Each	2	5,000.00	10,000.00
16	Supply of Solar Charge Controller (PWM Charge controller) suitable to use with 12/24 V, 30 A equivalent to MorningStar make PROSTAR-30 model ; PS-30M version.	Each	5	10,000.00	50,000.00
17	Supply of LED with builtin electronics which is suitable for AMA make Taxiway Edge Omni-Directional Elevated Light fitting.	Each	10	5,000.00	50,000.00
18	Supply of HRC fuse link centre tag single slotted type 125 A suitable for 415 V AC 50 Hz with breaking capacity of 80kA equivalent to GE make TSF125 model or L&T make with cat.no.ST30777	Each	5	500.00	2,500.00
19	Supply of HRC fuse link clip-on type 4A suitable for 415V AC 50 Hz with breaking capacity of 80kA equivalent to Cooper Bussman make BS88 model with cat.no NSD4.	Each	10	300.00	3,000.00
20	Supply of HRC fuse link clip-on type 56A suitable for 690V AC 50 Hz with breaking capacity of 200kA equivalent to Cooper Bussman make BS88 model with cat.no 56ET	Each	10	500.00	5,000.00
21	Supply of DC relay which is suitable for 24 V, 5 A DC TYPE 11 PIN with plug in base equivalent to Salzer make with cat no. MKG 3P 24V DC	Each	4	1,000.00	4,000.00
22	Supply of AC relay which is suitable for 240 V, 5 A AC TYPE 11 PIN with plug in base equivalent to Salzer make Cat No. mkg 3p 240A AC	Each	4	2,500.00	10,000.00
23	Supply of 2 V 100AH sealed maintenance free battery with a minimum warranty of 2 years equivalent of model Exide UPST 100.	Each	15	3,000.00	45,000.00

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Sl. No	Item Description	Unit	Qty	Rate	Amount
24	Supply of 2 V 165AH sealed maintenance free battery with a minimum warranty of 2 years equivalent of model Exide UPST 165.	Each	15	3,500.00	52,500.00
25	Supply of 2 V 300AH sealed maintenance free battery with a minimum warranty of 2 years equivalent of model Exide UPST 300.	Each	110	5,000.00	5,50,000.00
26	Supply of 12V 42AH sealed maintenance free battery with a minimum warranty of 2 years.	Each	32	7,500.00	2,40,000.00
27	Supply of 12V 100AH lead acid battery with a minimum warranty of 2 years.	Each	2	9,500.00	19,000.00
28	Supply of 12V 180AH lead acid battery with a minimum warranty of 2 years.	Each	8	16,500.00	1,32,000.00
29	Supply of capacitor duty contactors suitable for 25 Kvar, 440 V 3 phase, 50 Hz with coil voltage 240 V 50 Hz equivalent to l&t make MOC25 model with cat.no, CS96322.	Each	5	5,000.00	25,000.00
30	Supply of capacitor duty contactors suitable for 50 Kvar, 440 V 3 phase, 50 Hz with coil voltage 240 V 50 Hz equivalent to l&t make MOC50 model with cat.no, CS96324.	Each	5	8,000.00	40,000.00
31	Supply of coil for capacitor duty contactor suitable l&t make MO C25 equivalent to spare coil of l&t make with cat.no. CS96317	Each	5	1,000.00	5,000.00
32	Supply of coil for capacitor duty contactor suitable l&t make MO C50 equivalent to spare coil of l&t make with cat.no. CS96318	Each	5	1,000.00	5,000.00
33	Supply of side mounting Add-on aux contact block with 1 NO+ 1 NC for capacitor duty contactor suitable l&t make MO C50	Each	10	1,000.00	10,000.00

Sl. No	Item Description	Unit	Qty	Rate	Amount
34	Supply of LED panel indicator set of colours RED, YELLOW and BLUE.	Each	50	250.00	12,500.00
35	Supply of driver for Retro-Fit conversion of existing signage board. Each having length from 800mm up to 3000mm should be illuminated by a single driver & by using single isolating transformer of suitable size. The entire sign board will be having inbuilt dual circuit to work on main & Stand By Circuits. The Driver should work on runway current on runway current varying from 2.8 to 6.6 Amp & should have uniform brightness across the entire range of current variation from 2.8 Amp to 6.6 Amp. The Driver should be able to drive LED strips of 0.5 Watts Osram LED's assembled on aluminium PCB of size 700mm X 200mm and having 11 LED's per PCB for boards. From 5 strips to 20 strips	Each	10	5,000.00	50,000.00
36	Supply of LED strip driver with Input at 230V 50 Hz and output at 12V 10 A	Each	10	3,500.00	35,000.00
37	Supply of spares for Safegate Make Elevated Runway Guard Light SL-IQ0-RGL-E-6.6A-IEC-50				
37.1	a) LED PCB for Safe Gate make Elevated Runway Guard Light SL - IQ0-RGL-E-6.6A-IEC-50	Each	2	15,000.00	30,000.00
37.2	b) Converter Unit for Safe Gate Make Elevated Runway Guard Light - SL-IQ0-RGL-E-6.6A-IEC-50	Each	2	20,000.00	40,000.00
38	Supply of bi-directional inset type medium/high intensity runway edge light fitting of AAI Approved make which is suitable for use with 105W 6.6 A halogen lamp complete with all accessories including lamp and clear and yellow filters of size 12 inches. The fixture shall be suitable for installation in shallow box of EMA make fixture (Model No.RELI) and Youyang Make fixtures(Model No.IHF REDL)	Each	3	55,000.00	1,65,000.00

Sl. No	Item Description	Unit	Qty	Rate	Amount
39	Supply of bi-directional inset type medium/high intensity runway edge light fitting of AAI Approved make which is suitable for use with 105W 6.6 A halogen lamp complete with all accessories including lamp and both sides clear filters of size 12 inches. The fixture shall be suitable for installation in shallow box of EMA make fixture (Model No.RELI) and Youyang Make fixtures(Model No.IHF REDL).	Each	3	55,000.00	1,65,000.00
40	Supply of following spares for use in Flash Technology Make Runway Threshold Identification Light				
40.1	F4901700/ FLASH TUBE PAR 56 *HV1-736Q	Each	2	25,000.00	50,000.00
40.2	F2711402T/ PCB HV RECTIFIER PC 430/830-2 TESTED	Each	2	5,000.00	10,000.00
40.3	F8288201/ ASSY TRIGGER TRANSFORMER	Each	2	5,000.00	10,000.00
40.4	F8900494/ ASSY RELAY 24V W/SS SCREWS R/W 4900494	Each	2	5,000.00	10,000.00
40.5	Mettalized polypropylene capacitors of ratings 15MF 440 AC 60 Hz	Each	10	5,000.00	50,000.00
40.6	Mettalized polypropylene capacitors of ratings 70MF 440 AC 60 Hz	Each	10	5,000.00	50,000.00
40.7	F4901220/ Interlock switch	Each	4	5,000.00	20,000.00
40.8	F8721011/ Terminal Strip, 8 position(TB2)	Each	4	5,000.00	20,000.00
40.9	F3735202/ Retaining Bazel	Each	4	5,000.00	20,000.00
40.10	F8721011/ Terminal Strip, 11 position(TB1, TB3, TB4)	Each	4	5,000.00	20,000.00
40.11	F2903601/ PCB Diode Matrix PC830	Each	4	5,000.00	20,000.00
41	Supply of following spares for use in Flash Technology Make Runway Lead In Light				-

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Sl. No	Item Description	Unit	Qty	Rate	Amount
41.1	F2458002T/ PCB RECTIFIER PC 400/800-2 TESTED	Each	2	10,000.00	
41.2	F4901700/ FLASH TUBE PAR 56 *HV1-736Q	Each	2	10,000.00	
	Total				27,000.00

(Rupees Twenty Seven Lakhs Seventy Nine thousand Only)

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

Signature Not Verified

Digitally signed by AAI P R
Date: 2021.06.29 11:15:23 IST
Location: eProcurement System for Central
PSUs