



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA



No: AAI/RHQ-SR/ENGG/SM (E-E)/WO-03/Pondy/22-23/23

Date: 01.11.2022

M/s. Lakshmi Electrical Enterprises,
No. 1c, C.L.C. Works Road,
New colony,
Chromepet,
Chennai – 600 044.

Name of Work: APRON Extension at Puducherry Airport. SH: Electrical Works.

REF: 1. AAI E-Bid No: 2022_AAI_127531
2. Tender (Price Bid) opened: 12.10.2022

Dear Sirs,

1. Your tender for the above mentioned is hereby accepted by the Competent Authority on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to **Rs. 14,91,150/- (Rupees Fourteen Lakhs Ninety One Thousand One Hundred and Fifty Only)** Plus applicable GST @ 18% which is 10.95% below the estimated cost put to tender of Rs. 16,74,584/- Plus applicable GST @ 18%.
2. Senior Manager Engg (E-E), AAI, New Operational Office, Southern Region, Chennai Airport, Chennai Shall be Engineer – in – charge of the work. You are requested to attend this office by **15.11.2022** to sign and complete the contract agreement. The contract Agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One Hundred only). The cost of the stamp paper shall be borne by you.
3. Please Deposit **Rs. 1,49,115/- (Rupees One Lakh Forty Nine Thousand One Hundred and Fifteen Only)** towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your running bills as per the Clause of 1-A of Clauses of Contract.
4. You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages act and rules thereof Central and State Governments.

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AIRPORTS AUTHORITY OF INDIA



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5. You are also directed to contact Asst. Manager (Engg-E), AAI, Puducherry Airport immediately who will arrange to hand over the site.
6. Please note that the time allowed for carrying out the work shall be **04 (Four) Months** which shall be reckoned from 15.11.2022.
7. Any further correspondence in connection with the contract should normally be addressed to the Senior Manager Engg (E), AAI, New Operational Office, Southern Region, Chennai Airport.
8. 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: 1) Schedule of Quantities – Schedule 'A'

Yours faithfully,

Senior Manager Engg (E)
AAI, RHQ-SR, Chennai Airport

SCHEDULE 'A'					
SCHEDULE OF WORK					
Name of Work: APRON Extension at Puducherry Airport. Sub Head: Electrical Works.					
S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
1	Supply of Medium Intensity Elevated type omni directional LED Taxiway Edge Light Fitting with 1W LED Complete with all accessories including blue lens for LED and CI Base plate, conforming to ICAO requirements as required. (Make : As per List of Approved makes).	65.00	Each	4,500.00	2,92,500.00
2	Supply of 15 Watts, 6.6 Amps rating completely enclosed rubber covered isolating transformer for series Airport lighting system having harmonic voltage rating of 5 KV as per the technical specifications attached. (Make : As per List of Approved makes).	65.00	Each	3,000.00	1,95,000.00
3	Supply of 5 KV grade plug and receptacle type - I class 'B' connector suitable for field attachment with following size of 5 KV grade PVC insulated, PVC sheathed single core copper conductor cable confirming to the relevant IS specification and particular specification attached etc complete as required. i) 6 Sq.mm (Make : As per List of Approved makes).	13.00	Set	350.00	4,550.00
4	Excavation of the trench in hard soil/concrete/bitumen mecadam not exceeding 1.5m width and lift upto 1.5 mts. Including getting out the excavated soil/concrete/bitumen and disposal of surplus elevated soil/concrete/bitumen complete as required. (within 50 mtrs lead)	5.00	CuM	1,500.00	7,500.00
5	Excavation of existing Bituminous road / shoulder of runway, taxiway, apron to facilitate laying of GI pipe as below including disposal of material within 50 mtrs lead and providing & laying in position 1:2:4 (1 cement : 2 Coarse sand : 4 Graded stone aggregated of 20 mm nominal size all works up to plinth level to fill up the excavated trenches after laying of the GI pipe complete above as required. a) Trench of size 100mm wide x 225 mm deep (nominal) for laying 1 no. of 50 mm dia GI pipe	20.00	Mtrs	770.00	15,400.00
6	Installation, Testing and Commissioning of MIRL light fixtures on the existing transformer housing box, including installation of isolating transformer, lamp and other accessories including alignment, making transformer connection and earth connection etc as required.	65.00	Each	290.00	18,850.00
7	Making field connections by crimping 6 Sq.mm plug and receptacle with existing 6 Sq.mm single core copper conductor PVC insulated and PVC sheathed cable including filling the gap with water sealant material applying HT tape over PVC tape etc as required.	13.00	Each	250.00	3,250.00

1351938/2022/O/o GM(ENGG)-SR

S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
8	Supplying and laying of 50 mm OD HDPE Pipe of PE 80 PN 6 ISI Marked along with all accessories like coupler conforming to IS 4984 complete with fitting and cutting, jointing etc., direct in ground (75 cm below the ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required. (Make : As per List of Approved makes).	200.00	Mtrs	200.00	40,000.00
9	Laying of one number PVC insulated and PVC sheathed 5 KV grade airfield lighting cable of size not exceeding 16 Sq.mm in the existing RCC/HUME/METAL/HDPE PIPE as required.	300.00	Mtrs	30.00	9,000.00
10	Numbering of MIRL light fittings with ISI approved enamel paint with double coat of dia 1 feet with yellow paint as background and numbering with black paint of suitable size serialy etc., complete as required.	65.00	Each	100.00	6,500.00
11	Supply of 5 KV grade 6 sqmm Copper conductor airfield series lighting cable conforming to ICAO requirements as required.	300.00	Mtrs	106.00	31,800.00
12	SITC of 25 M highmast, hot dip galvanised, in three sections made of S 355 grade as per BS-EN10025 suitable for wind speed as IS 875 Part 3 to install LED Flood light luminaries as per detailed design in asymmetrical arrangement including counter weight loads/ Load balancing. The system shall also include all accessories like headframe, winch mounting bracket, Integral motor powered winch for raising and lowering of Lantern carriage, mechanical tripping facility, 6mm diameter SS wire rope, EPR insulated trailing cable (Minimum 7C x 2.5 Sqmm), Connector, Integral power tool, manual handle, Junction box, Lightning finial, Luminaries carriage, etc., complete as required as per technical specifications and carrying out the following jobs: a) Supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template. b) Construction of shallow foundation with M25 grade concrete for the highmast considering the safe soil bearing capacity at site as 10T/sqmtr at 2 metre depth or as per OEM detailed design. c) Erection of the high mast with the help of suitable tools and plants. d) Wiring of luminaires with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 2.5 sq. mm, lugs etc. e) SITC of LED type single dome aviation obstruction light, complete with wiring from distribution box with all accessories including connections to timer switch, etc., complete as required. (Make : As per List of Approved makes)	1.00	Job	568000	568000
13	SITC of 300 Watts LED flood light fixture with minimum Lumen efficacy of 120 Lumen/W, Color Rendering Index minimum 70, Ingress Protection : IP 66, Mechanical Impact Protection : IK 08, suitable for 220V - 240V 50Hz AC Supply for erection on above high mast etc complete as required. (Make : As per List of Approved makes).	10.00	Each	13,500.00	1,35,000.00



1351938/2022/O/o GM(ENGG)-SR

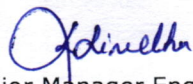
S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
14	SITC of outdoor stand mounted feeder pillar made with 2mm thick CRCA sheet including foundation, with IP 55 protection, 1no 32A FP MCCB incomer, single dial time switch, 25A TP contactor for the automatic switching of luminaries, power tool control with contactors/Pushbuttons for raising & lowering mechanism along with suitable MCB, suitable relays and contactor for Auto/ Manual Local/ Manual Remote operations, Incoming 35sq. mm and out going 16 & 2.5 sq. mm terminals and seperate provision of MCB, contactor and time switch for Aviation Obstruction Light connection etc complete required.	1.00	Each	33,000.00	33,000.00
15	Earthing with GI earth pipe for High mast, 4.5 m long 40 mm dia GI Pipe including accessories and providing masonry encloser with cover plate having locking arrangement and water pipe etc., with charcoal/coke and salt as required	2.00	Job	6,500.00	13,000.00
16	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.	10.00	Mtrs	350.00	3,500.00
17	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	5.00	Mtrs	140.00	700.00
18	Supply of XLPE insulated, PVC sheathed aluminium conductor armoured power cable of 1.1KV grade conforming to IS 7098 (Part I) 1988 with upto date amendments etc as required for the following sizes.(Make : As per approved list.) a) 3.5 C X 35 sq. mm (Make : As per List of Approved makes).	150.00	Mtrs	250.00	37,500.00
19	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	50.00	Mtrs	30.00	1,500.00
20	Laying of one number PVC insulated and PVC sheathed I XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUMEI METAL pipe as required. a) Upto 35 sq. mm	100.00	Mtrs	30.00	3,000.00
21	Supplying and laying of 125 mm OD HDPE Pipe of PE 80 PN 6 ISI Marked along with all accessories like coupler conforming to IS 4984 complete with fitting and cutting, jointing etc., direct in ground (75 cm below the ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required. (Make : As per List of Approved makes).	100.00	Mtrs	530.00	53,000.00
22	Supplying and making straight through joint with heatshrinkable kit 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. i) 3.5 C X 35 Sqmm	4.00	Set	2,300.00	9,200.00

9

1351938/2022/O/o GM(ENGG)-SR

S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
23	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed I XLPE aluminium conductor cable of 1.1 kV grade as required i) 3.5 C X 35 sqmm	2.00	Set	500.00	1,000.00
24	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.	300.00	Mtrs	28.00	8,400.00
Total Amount of Rs.					14,91,150.00

**(Rupees Fourteen Lakhs Ninety One Thousand One Hundred and Fifty Only)
Plus Applicable GST**


Senior Manager Engg(E)
AAI, RHO, SR, Chennai.