



सं. भा.वि.प्रा./इ(वि)/SLM/2020-21/ **5663-66**

Ref: AAI/SLM/E-E/2020-21/

दि:/Date: 07.10.2020

सेवा में /To

M/s. R K ELECTRICALS,
367-B, ULAIPALAR STREET,
G.N. MILLS POST,
COIMBATORE-641 029.

Sub:- Installation of CWIS at Salem Airport. SH: Electrical Works.

संदर्भ/Ref: 1) E-Bid No : 2020_AAI_55669_1

महोदय /Dear sir(s),

- 1) Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totalling to **Rs.5,49,800.00** (Rupees Five Lakhs Forty Nine Thousand Eight Hundred only), which is 5.88 % below the justified cost of Rs.5,84,168.00 which is exclusive of GST.
- 2) The Asst.Gen.Manager (Engg-Elect.) , AAI, Salem Airport shall be the Engineer-in-charge of the work. You are requested to attend the office of the Asst.Gen.Manager (Engg-Elect.), AAI, Salem Airport by **21.10.2020** to sign and complete the agreement. The contract ageement shall be executed on a non-judicial stamp paper of value Rs. 100.00 (Rupees One Hundred Only) and cost of the stamp paper shall be borne by you.
- 3) The earnest money deposit of **Rs.11,700/-** (Rupees Eleven Thosand Seven Hundred Only) received along with your tender will be converted as part of security deposit as per condition of tender document. The balance amount of Rs.43,280/- (Rupees Forty Three Thousand Two Hundred and Eighty only) towards security deposit will be deducted from your running bills as per the General Rules & directions of GCC-2017, which is part of the contract agreement.
- 4) Your 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 and Minimum wages Act and Rules thereof Central and State Governments.

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- 5) You are also directed to contact Asst.Gen.Manager (Engg-Elect.), AAI, Salem Airport immediately who will arrange to handover the site to you.
- 6) Please note that the time allowed for carrying out the work shall be 04 (Four) Months and same shall be reckoned from 16.10.2020 (10th day of issue of this letter).
- 7) Any further correspondence in connection with the contract should normally be addressed to the Asst.Gen.Manager-(Engg-Elect.), AAI, Salem.
- 8) On Completion of work, you are requested to clearly indicate AAI GST No. 33AAACA6412D1ZF in your Invoice.
- 9) Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith to the undersigned as a token of acceptance.

भवदिय /Yours faithfully,

Syath
07/10/20
Asst.Gen. Manager (Engg-Elect.),
For and on behalf of the Chairman,
Airports Authority of India,



SCHDULE OF QUANTITIES

NAME OF WORK: Installation of CWIS at Salem Airport. SH: Electrical Works.

SL.NO	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
SH: I	SUPPLY				
1	Supply of following sizes XLPE cable of 1.1KV grade confirming insulated PVC sheathed to IS 7098 PART-I with aluminium conductor armoured upto date amendments. 3 x 35 Sq mm	Mtr	600	185.00	111000.00
2	Supply of optical fiber cable the below specifications:- 1.Cable type- Standard loose tube 2.Construction type- Armoured 3.Sub unit type- Gel Free 4.Jacket material/Colour- PF/Black 5.Total Fiber count- Six core 6.Armour type- Corrugated steel 7.Sheath/jacket- HDPE(UV stabilized)	Mtr	600	55.00	33000.00
3	Supply of media convertor Lucent connector(LC) ports ports-4 numbers (100 base FX)	Each	2	4500.00	9000.00
4	Supply of Patch cords LC-LC Patch cords 5m length (Single mode 100 base FX)	Each	4	2000.00	8000.00
5	Supply of Patch cords LC-LC Patch cords 10m length (Single mode 100 base FX)	Each	2	3000.00	6000.00
6	Supply of Network switch 8-Port PoE Desktop Switch, DGS-1008MP or equivalent as required.	Each	2	5500.00	11000.00
7	Supply of 6 port Single mode LC Patch panel , 16- gauge steel with corrosion-resistant black powder finish coat housing provides excellent protection for the inside fibers. Fiber patch panels are made with a pull-out design for easy access to fibers and fiber slice trays.	Each	2	4500.00	9000.00

(Signature)



SH:II	SUPPLY AND INSTALLATION				
8	Supplying and installing following size of perforated painted with powder coating M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. a) 300 mm width X 50 mm depth X 1.6 mm thickness	Mtr	40	750.00	30000.00
9	Supply and installation of 18U IP 66 outdoor cabinet for Front Door- lockable steel door with gasket sealing, 2 & 4 Fan option for hot air execution Cable Entry Cut- Through PG IP Glands 2 pair heavy duty (1.6mm) vertical mounting rail for equipment mounting, Height as per Rack Unit Cooling Option- 2 AC/DC fan Provision mounted on Front Door Load Bearing Capacity up to 300 -400 KG Construction- Welded Galvanized Steel Construction 1.2mm Thick Load Bearing angles are 1.6 mm Power Distribution Unit- 6 Socket 5 & 15 AMP Horizontal (optional) Cable Management- Horizontal Metal & PVC (Optional) Fix Shelf/Cantilever Shelf- 375mm & 475mm mm to 600mm (optional) Color- light Grey Powder Coated (RAL-7035) Other Features:- Available in Pre Galvanized Steel Anti rust Protection Rating IP55 Compliance Structure Protection from Rain Water or Natural way Protection Rating IP55 Compliance Structure Protection From level of harmful dust Fan Cooled Cabinet through Single Fan, Dual Fan Option Aluminum Wire Mesh Filter 100mm x 200mm which prevent level of harmful dust entering into cabinet Two Year Warranty for Cabinets Which Include FAN & Power Distribution Units Powder Coated with Color Options RAL7035 Light Smoke Grey or RAL9005 Black are the Standard Available in Multiple Depth like 400mm 500mm 600mm 700mm 800mm 900mm 1000mm Single Skin Cabinet (Double Skin is optional – On Requirement) Fan hood On Front Door with Louvers to eliminate cabinet hot air Fully adjustable 19" mounting Channels, mounting rails can be adjusted as per requirement Pole Mount, Tower Mount & Wall mount through single arrangement Pole Dia 2 inch to 10 inch Cable Entry through IP PG Glands Options PG 11, PG 16, PG 19, PG 25, PG 29, PG 36	Each	1	22500.00	22500.00

(Handwritten signature)



10	Supply and installation of 2 KVA UPS and 100AH 12V Tubular Battery as required.	Each	1	35000.00	35000.00
11	Supply and installation of Surge protector as required.	Each	1	4500.00	4500.00
12	Supply and installation of portable distribution box made of Weather/Vermin proof, Anti corrosive, UV resistant, Insulated, shock proof made out of Thermoplastic Polycarbonate, factory assembled pole junction boxes, with tool operated quarter turn locking arrangement, Pole mounted, conforming to IP 65 protection with all routine test certificates as per IEC, for better safety the polycarbonate JB's shall be fire retardant & amp; self-extinguishing in accordance with IEC 60 695-2-11, DIN VDE 0304 Part 3 UL Subject 94 for Flammability V-2. It should be tested at Glow Wire test for 960 deg. Cent., with MCB chamber to accommodate 6 MCBs, 16/6A switch control domestic sockets-5 no.s, indicator lamps complete as required.	Each	1	9000.00	9000.00
SH:III	SUPPLY AND LAYING				
13	Supplying and laying of 50 mm OD HDPE Pipe of PE 80 PN 6 ISI Marked along with all accessories like socket, bend etc., confirming to IS 4984 complete with fitting and cutting, jointing etc., direct in ground (0.75 mtr below the ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.	Mtr	480	255.00	122400.00
14	Providing and laying following dia GI pipe (medium class) in ground complete with G.I fittings including bituminous road cutting and trenching (75 cm deep) including excavation and refilling and making as good as same by concreting with 1:2:4 (1 Cement : 2 Coarse sand: 4 graded stone) etc as required. 80 mm	Mtr	20	1100.00	22000.00
15	Providing and laying of 25 mm casing capping pipe as required.	Mtr	20	40.00	800.00
16	Supplying and making indoor 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. 3 X 35 Sq.mm	Set	2	450.00	900.00
17	Providing and fixing 6 SWG dia G.I. wire on surface or in recess or along with existing surface/recessed conduit /sub main wiring/cable as required.	Mtr	600	40.00	24000.00

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18	Supplying and fixing following size / modules, GI box, sheet steel enclosure on surface/recess along with modular base & cover plate for modular switches in recess etc as required.	Each	4	500.00	2000.00
19	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement 2 coarse: 4 graded stone aggregate 20mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10 cm including inscription duly engraved as required.	Each	10	550.00	5500.00
SH:IV	LAYING				
20	Laying of one number PVC insulated and PVC sheathed/XLPE Pipe power cable of 1.1 KV grade of following size in the existing RCC/HUME/METAL pipe/HDPE Pipe as required. Upto 35 Sq.mm	Mtr	1000	35.00	35000.00
21	Laying of one number PVC insulated and PVC sheathed/XLPE Pipe power cable of 1.1 KV grade of following size in the existing masonry open duct or perforated cable tray(300 mm width X 50 mm depth X 1.6 mm thickness) as required. upto 35 Sq.mm	Mtr	80	35.00	2800.00
22	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable/Control Cable of 1.1 KV grade of following size on wall surface as required. Upto 35 Sq.mm	Mtr	80	40.00	3200.00
SH:V	INSTALLATION				
23	Installation of Back box fixing & Face Plate fixing.	Each	2	400.00	800.00
24	Installation of 6 core single mode armored OFC cable I/O Termination/Splicing OTDR testing.	Each	2	1800.00	3600.00
25	Installation of 8-Port PoE Desktop Switch.	Each	2	600.00	1200.00
26	Installation of 4 way Single Mode media converters.	Each	2	300.00	600.00
27	Installation and dressing of of 6 way LIU.	Each	2	500.00	1000.00

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भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

28	Labeling & Dressing of Fiber Patch Cord.	Each	6	500.00	3000.00
29	Installation and dressing of LC-LC Patch cords 5m length.	Each	4	120.00	480.00
30	Installation and dressing of LC-LC Patch cords 10m length.	Each	2	180.00	360.00
31	Fixing & Dressing of Wall Mount rack with 10-Socket PDU & all standard accessories, size 600mm X 600mm.	Each	2	300.00	600.00
SH:VI	EARTHING				
32	Supply, Installation, testing and commissioning of maintenance free chemical earthing system in CROWFOT method with all suitable components / accessories and using 3" dia & 0.12" thick copper tube of 8 feet length and 04 nos. 16mm dia SS rod and 8 feet length each and the earth pit being treated with chemical gel so as to achieve earth resistance of about 0.5 mho or better complete as per enclosed drawings.	Set	1	23000.00	23000.00
33	Providing and fixing 25 mm X 3 mm copper strip in 40 mm dia GI pipe from earth electrode including connection with brass nut, bolts, spring, washer excavations and refilling etc. as required.	Mtr	7	880.00	6160.00
34	Providing and fixing 25 mm X 3 mm copper strip on surface or in recess for connections etc. as required.	Mtr	5	480.00	2400.00
				TOTAL Rs.	5,49,800.00
				TOTAL EXCLUDING GST SAY Rs.	5,49,800.00

(Rupees Five Lakhs Forty Nine Thousand Eight Hundred only)

Sujatha R
07/10/2020

Asst.Gen.Manager (Engg-Elect.),
AAI, Salem Airport.

