



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

ISO 9001:2015
&
ISO 14001:2015

संदर्भ सं : Ref.No. AAI/RJY/ENGG(E)/Misc. Elec. Works/2020-21/229-239 दिनांक/ Date: 23.03.2021

24

सेवा में/To,

// Speed Post / Email //

मेसर्स. सुरभि एसोसिएशन,

M/S. SURBHI ASSOCIATION,

E-17-B, Surendra Vihar,

Bagmugaliya Hoshangabad,

Bhopal - 462043.

Email: surbhiassociation@gmail.com

कार्य का नाम/

Name of Work: Miscellaneous Electrical Works at Rajahmundry Airport.

स सं. Ref. No. : 1. Tender ID : 2021_AAI_71627_1.

2. Your e-tender (Envelope-II - Financial bid) opened on 12.03.2021.

महोदय/Dear Sir(s),

1. Your 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 totalling to **₹ 16,99,750/- (Rupees Sixteen Lakhs Ninety Nine Thousand Seven Hundred and Fifty only) plus GST@ 18%** which is 11.99% below the estimated cost put to tender of ₹19,31,354/- plus GST@ 18%.
2. Asst. General Manager (Engg-Elect), AAI, Rajahmundry Airport, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Asst. General Manager (Engg-Elect), AAI, Rajahmundry Airport by 01.04.2021 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value ₹100/- (Rupees One Hundred only) and the cost of the stamp papers shall be borne by you.
3. Please deposit ₹ 1,69,975/- (Rupees One Lakh Sixty Nine Thousand Nine Hundred and Seventy Five only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from yours running bills as per condition of clause 1A (Recovery of Security Deposit) of GCC of contract document.
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.

Contd...2.

24/3/21
सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg. Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
Rajahmundry Airport

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, सुधापूडि पोस्ट, राजमंड्री - 533 102.

O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry - 533 102.

टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, Engg-E: 0883-2020171



भारतीय विमानपत्तन प्राधिकरण
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: 2 :

5. You are also directed to contact Manager(Engg-E) / Jr. Executive(Engg-E), AAI, Rajahmundry Airport immediately who will arrange to hand over 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 **05.04.2021**.
7. Any further correspondence in connection with the contract should normally be addressed to the Asst. General Manager (Engg-Elect), AAI, Rajahmundry Airport, Rajahmundry -533102.
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.

भवदीय/Yours Faithfully,
अनुलग्नक/Encl:Schedule of Quantities.

(एम. मुत्थमिलन / M. MUTHAMILAN)
सहायक महा प्रबंधक (अभि-वि)/ Asst. General Manager (Engg-E)
भा वि प्रा, राजमंड्री हवाई अड्डा/AAI, Rajahmundry Airport
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India.

NOO:-

Copy to :
external

1. GM(Engg), AAI, S/R, Chennai Airport, Chennai
2. GM(Finance), S/R, Chennai Airport, Chennai
3. Jt.GM(Engg-E), AAI, Vijayawada Airport, Vijayawada.
4. Jt.GM (Vigilance), AAI, S/R, Chennai Airport, Chennai

Internal:

1. Airport Director, AAI, Rajahmundry Airport, Rajahmundry
2. Manager (F&A), AAI, Rajahmundry Airport, Rajahmundry – FC dated 23.03.2021
3. Manager (Engg-E), AAI, Rajahmundry Airport, Rajahmundry.
4. Jr. Executive (Engg-E)-II, AAI, Rajahmundry Airport, Rajahmundry.
5. Supervisor (Engg-E), AAI, Rajahmundry Airport, Rajahmundry.
6. Concerned File.

(एम. मुत्थमिलन / M. MUTHAMILAN)
सहायक महा प्रबंधक (अभि-वि)/ Asst. General Manager (Engg-E)

सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg-Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
राजमंड्री हवाई अड्डा, राजमंड्री - 533 102

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, मधुरपूडि (पोस्ट) राजमंड्री - 533 102

O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry - 533 102.

टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, Engg-E: 0883-2020171

Schedule of Quantities

Name of work : Miscellaneous Electrical Works at Rajahmundry Airport.

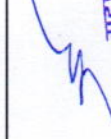
S.No.	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
1	Supply of 63 mm (outer dia)/51mm (inner dia) size, ISI marked Double Walled Corrugated high density polyethylene pipe (DWC-HDPE) having corrugation on the outer wall conforming to IS 14930 Part-II complete with necessary fittings/couplers for jointing for protection of 1.1KV grade underground cable complete etc., as required	1900	Mtrs.	80.00	152000.00
2	Laying of one number of 63mm Dia (outer dia) size of Double Wall Corrugated high density polyethylene pipe (DWC-HDPE) for protection of 1.1KV grade under ground cable direct in ground at a depth of 80 cm Including excavation and refilling the trench and jointing the pipes etc., as required.	1200	Mtrs.	60.00	72000.00
3	Laying of one number of 63 mm Dia (outer dia) size of Double Wall Corrugated high density polyethylene pipe (DWC-HDPE) for protection of 1.1KV grade under ground cable direct in ground at a depth of 80 cm in the same trench in one tier horizontal formation including excavation and refilling the trench and jointing the pipes etc., as required.	650	Mtrs.	20.00	13000.00
4	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/Culvert/RCC Trenches/ Cable Trays etc. as required. Up to 35 Sq.mm	2200	Mtrs.	20.00	44000.00
5	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface etc. as required. Up to 35 Sq.mm	120	Mtrs.	25.00	3000.00
6	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required. 3.5CX25 Sq.mm	3	Each	3000.00	9000.00
7	Supplying and making end termination with heavy duty type brass single compression gland and aluminum lugs for following size of XLPE insulated aluminum conductor cable of 1.1 KV grade as required. 3.5CX25 Sq.mm	13	Each	250.00	3250.00
8	Supplying and laying of following size 50 mm dia medium class GI pipe (ISI marked) along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc..direct in ground (80 cm below ground level) including excavation and refilling the trench after laying but excluding sand cushioning and protective covering etc., complete as required.	30	Mtrs.	600.00	18000.00


 सहायक महा प्रबंधक (अ.वि.)
 Asst. General Manager (Engrg. Deptt.)
 भारतीय विमानपत्तन प्राधिकरण
 Ministry of India

S.No.	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
9	Excavation of existing Bituminous/ Concrete road to facilitate laying of GI pipe 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 etc. as required.	10	Cum	500.00	5000.00
10	Supply, installation, testing & commissioning of 6 KVA ON Line UPS Single phase incoming & Single phase outgoing having IGBT rectifier & inverter, harmonics < 5 %, relay card, necessary software, battery back up of 15 minutes including maintenance free batteries, interconnecting cables, battery stand etc. complete as required as per technical specification.	2	Each	103000.00	206000.00
11	Supplying and fixing following way. sheet steel, SPN MCB Distribution Board, 230 volts, on surface/recess, complete with terminal blocks, neutral bar, earth bar, din bar, interconnections, blanking plates, phosphatized and powder painted including earthing etc. as required. (But without MCB/ RCCB/isolator).	2	Each	1000.00	2000.00
12	Supplying and fixing of following MCB/RCCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
12.01	25A, DP RCCB(100mA)	2	Each	2500.00	5000.00
12.02	6-32A, 10kA, SP "C" Series MCB	8	Each	220.00	1760.00
13	Wiring for circuit/sub-main/Power plug/ Terrace light/UPS Light along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core in surface/recessed medium class PVC conduit as required				
13.01	2X1.5Sqmm + 1X 1.5 Sqmm Earth Wire	100	Mtrs.	125.00	12500.00
13.02	2X2.5Sqmm + 1X 2.5 Sqmm Earth Wire	80	Mtrs.	160.00	12800.00
13.03	2X4 Sqmm + 1X 4 Sqmm Earth Wire	50	Mtrs.	200.00	10000.00
13.04	2X6 Sqmm + 1X 6 Sqmm Earth Wire	40	Mtrs.	250.00	10000.00
14	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	10	Each	500.00	5000.00
15	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	10	Each	750.00	7500.00


 सहायक महा प्रबंधक (इ. वि. म.)
 Asst General Manager (Engg-Elect)
 भारतीय विमानपत्तन प्राधिकरण
 New Delhi, India

S.No.	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
16	Supplying and fixing following modular switch / socket with suitable modular base & cover plate, GI box in recess and modular blanking plate including connections as per site requirements etc. as required.				
16.01	5/6 Amp Switch	5	Each	50.00	250.00
16.02	15/16 amps switch with 3 pin 15/16 amp socket outlet (combined shuttered type)	10	Each	150.00	1500.00
16.03	5/6 amps switch with 6 pin 5/6 amp socket outlet (shuttered type)	10	Each	250.00	2500.00
17	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 amps "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	4	Each	4500.00	18000.00
18	Supply and Installation of Recess/Surface mounted minimum 40 W LED luminaire (1ft x 4ft) with lumens of Minimum 100 lum/watt, with all accessories including drivers etc., all prewired up to terminal block suitable for operation on 230V, 50Hz AC supply etc. as required.(LED and Driver should meet AAI specifications)(Make:- Crompton- LCTLRNE-40-CDL(1X4 or Equivalent)	5	Each	2500.00	12500.00
19	Supply and Installation of 40 W Post top LED fixture made in die- cast aluminum housing with decorative clear opal acrylic diffuser, spun aluminium powder coated canopy and IP65 protection by removing existing light fixture and making the interconnections as per Specifications complete etc., as required.(Make: BAJAJ ARIAN BGCT W4 LED WW or equivalent)	6	Each	5500.00	33000.00
20	Supply and Installation of 40W Post top LED fixture made in cast aluminum housing with decorative opal polycarbonate diffuser with IP65 protection making the interconnections as per Specifications complete etc., as required.(Make: BAJAJ CELESTA BGCL 40W LED WH or equivalent)	8	Each	5500.00	44000.00
21	Supply of Industrial type 20W LED retrofit tubes with Batten & inbuilt driver having Polycarbonate diffuser front cover & Aluminium heat sink suitable for operation on 230V, 50HZ AC supply meeting the AAI Technical Specifications as required (Make: Crompton, Batten & Light : Model DIJB12LT8 and LTT8-20 or equivalent)	25	Each	600.00	15000.00
22	Installation, testing and commissioning of LED light fixture of all above types, complete with all accessories and tube/lamp etc. directly on ceiling/ false ceiling /wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc., complete as required.	25	Each	100.00	2500.00


 सहायक महा प्रबंधक (अ.वि.)
 Asst General Manager (Electrical)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 राजमंडी हवाईअड्डा Rajahmundry Airport
 राजमंडी Rajahmundry 533 102

S.No.	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
23	Supply of 60 watts LED outdoor type light fitting with pressure die cast aluminum housing heat resistant glass, IP66 protection including drivers and suitable for operation on single phase ,230 Volts, 50HZ, AC power supply etc. complete as required.(LED & Drivers Should meet the AAI specifications).(Similar to Model: Crompton Nexus+ LSTP-60-CDL or Equivalent of Approved make)	14	Each	2500.00	35000.00
24	Supply of 20 watts LED wide beam outdoor type light fitting with pressure die cast aluminum housing heat resistant glass, IP66 protection including drivers and suitable for operation on single phase ,230 Volts, 50HZ, AC power supply etc. complete as required.(LED & Drivers Should meet the AAI specifications).(Similar to Make:: Crompton Model:-LSTS-20-CDL-M or Equivalent of Approved make)	15	Each	1000.00	15000.00
25	Supply, installation, testing and commissioning of energy efficient round recessed mounted 18 W LED down lighter with premium white powder coating and die cast aluminium housing, high efficiency diffuser etc. as required. (Make: crompton, Model No. LSCRM-18W-CDL or Equivalent of approved make)	37	Each	850.00	31450.00
26	Supply of 300 watts LED floodlight luminaire made up of pressure die cast aluminum housing with toughened glass and high power LEDs and secondary lenses with IP66 protection and Surge protection etc. as required. (Make: Crompton, Model: LSFO-300-CDL/60-M or equivalent)	6	Each	14000.00	84000.00
27	Supply of LED PL-L 18W, 6500K 2G11 suitable for 2'X 2' pannel type light fittings (Make: Phillips LED PL-L 18W or equivalent)	100	Each	350.00	35000.00
28	Supply of 5 star rating, 48" (1200mm sweep) fan with double ball bearing suitable operation on 230volts, 50HZ, AC supply system complete with motor, canopy, blades, standard length of down rod, and other required accessories etc. complete as required (Make : Crompton Entrust or Equivalent).	53	Each	2350.00	124550.00
29	Supply of 400 mm sweep, 1350 rpm wall mounted fan, having pull cord control for speed and oscillation suitable for 230 V/240 V 50 HZ, AC supply etc. as required.(Make: Havel's, Model: Swing or equivalent)	10	Each	2250.00	22500.00
30	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc., complete as required.	53	Each	80.00	4240.00
31	Installation, testing and commissioning of Wall mounted fan including providing all supporting and fixing accessories and connections etc. as required.	10	Each	80.00	800.00
32	Supplying & fixing of single arm bracket made of 1.8 mtr length GI tubular pole of size 40 mm on surface clamped with suitable MS flat clamp for fixing of street light fixture complete etc. as required.	14	Each	1200.00	16800.00
33	Supply of single arm GI tubular street light pole of 76.1 mm dia x 2.6 mm thick 3Mtrs length having base plate of 200 mm X 200 mm X 6 mm thick, GI bracket having 48 mm dia x 2.6 mm thick 750 mm long for providing light fixture, foundation bolts (M16x450mm lg) etc., complete as required.	15	Each	10500.00	157500.00


 (अ.वि.)
 सहायक महा प्रबंधक (अ.वि.)
 Asst General Manager (Engrg. Elect)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 राजमंदीर हवाई अड्डा, राजमंदीर Airport
 533 102

S.No.	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
34	Installation testing and commissioning of above G.I tubular pole with providing & laying of plain cement concrete of suitable ratio & Position Cement Concrete (PCC) of ratio (1:2:4) for civil foundation of size 0.4x0.4x0.7 mtr height including as per specifications including excavation & refilling etc., as required.	15	Each	3000.00	45000.00
35	Supply & fixing of thermo plastic circuit breaker junction box (having IP 65 protection) having inside dimensions 140 mm(L) x 140mm(B) x 100mm(H) on the existing street light pole having 4way terminal block, earth terminal and din rail for fixing 1Nos, single pole MCBs and with power terminal suitable rating of 25 sqmm cable inside the box, gland provision, making inter connections, providing & laying of 3CX1.5 sqmm FR PVC copper cable from junction box to light fitting, testing and commissioning including providing & fixing the clamp for box on pole etc complete as required.	15	Each	1500.00	22500.00
36	Earthing with GI earth plate 600 mm x 600 mm x 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal or coke and salt) as required.	2	Set	5000.00	10000.00
37	Extra for using salt and charcoal for G.I or Copper plate earth electrode as required.	2	Set	1500.00	3000.00
38	Providing and fixing 6 SWG dia GI wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	450	Meter	30.00	13500.00
39	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble, excavation and re-filling as required.	30	Meter	200.00	6000.00
40	Supply of the following Length AIR CURTAIN having Aluminium made impeller, adjustable louvers, Grill, noise level less than 67 db (vibration free technology) suitable for 230 V , 50 Hz Single Phase complete as Required. (Make:Almonard, Model: AHV-Smart/Delux Aircurtain or equalient Approved makes)				
40.01	1500mm	2	Each	23500.00	47000.00
40.02	1200mm	2	Each	22000.00	44000.00
40.03	1000mm	1	Each	17350.00	17350.00
41	Supply of 1000 mm size aluminum powder coated Air Curtain suitable for a opening height upto 03 mtr, operated on Single Phase, 230 V, 50 Hz AC supply, with cordless remote control, two speed control high & low, top suction, suitable for continuous operation etc. as required.(Make: Russell, model: Mode-Wind G1 or equivalent).	1	Each	19500.00	19500.00


 सहायक महा प्रबंधक (अ.वि.)
 Asst. General Manager (Engg-Electl)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 राजमहरी हवाईअड्डा, राजमहरी 533 102
 राजमहरी, Rajamundry

S.No.	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
42	Supply of 2000 mm Size High velocity air curtain of (The vibration free technology) having Aluminium made impeller, adjustable louvers, noise level less than 67 db, grills suitable for 230 V, 50 Hz Single Phase complete etc. as required. (Make: Almond Model: AHV-2Mtr or equivalent)	2	Each	33500.00	67000.00
43	Installation, testing and commissioning of Air curtains complete with stand, mounting arrangement including electrical connections & terminations etc., of following Sizes etc. as required.				
43.01	2000mm	2	Each	1500.00	3000.00
43.02	1500mm	2	Each	1500.00	3000.00
43.03	1200mm	2	Each	1500.00	3000.00
43.04	1000mm	2	Each	1500.00	3000.00
44	SITC of AIRTRON Sensor (Energy Saver) with remote for 3 TR Air-conditioning Units etc., as required.	2	Each	7000.00	14000.00
45	SITC of AIRTRON Sensor (Energy saver) with remote for 2 TR Air-conditioning Units etc., as required.	2	Each	6000.00	12000.00
46	SITC of AIRTRON Sensor (Energy saver) with remote for 1.5 TR Air-conditioning Units etc., as required.	2	Each	5000.00	10000.00
47	Supply of fully automatic shoe shining machine, made up of Stainless steel (satin finish) suitable to operate on Single phase supply, 230 V, 50Hz and rated power 40W, 15sec time protection, 200ml polish capacity etc., as required (Make : Euronics Model: KSM5 or equivalent)	2	Each	9500.00	19000.00
48	Supply and installation of Polycarbonate made bird spikes for bird control attached to Airfield Light fixtures, support structures, Poles & Structures Height not more than 5 meters) etc., as required	2000	feet	45.00	90000.00

Total : 1699750.00

Add: GST@18%: 347643.72

Grand Total: 2278997.72

Say : 2278998.00

Rupees Twenty Two Lakh Seventy Eight Thousand Nine Hundred and Ninety Eight Only


A.G.M. (Engg-E)
AAI/Rajahmundry Airport

सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg-Elect)
भारतीय विमानपत्तन प्रधिकरण
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राजमंड्री/Rajahmundry 533 102

राजमंड्री/RAJ