



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



संदर्भ सं : Ref.No. AAI/RJY/ENGG(E)/SITC UPS/2020-21/33 दिनांक/ Date: 12.01.2021

सेवा में/To,

// Speed Post / Email //

M/s. ECS Engineering Pvt. Ltd.,
B-4, Plot No.10/94, Sector -3,
Rajendra Nagar,
Ghaziabad(UP)-201005.

कार्य का नाम/ : SITC of UPS System for Ground Lighting Facilities and Terminal
Name of Work building at Rajahmundry Airport

स सं. Ref 1) Tender ID : 2020_AAI_58952_1.
2) Your e-tender (Envelope-II - Financial bid) opened on 25.11.2020.

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 ₹ 45,14,062/- (Rupees Forty Five Lakhs Fourteen Thousand and Sixty Two only) plus GST@ 18% which is 28.12% below the estimated cost put to tender of ₹62,80,128/-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 22.01.2021 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 ₹ 4,51,406/- (Rupees Four Lakhs Fifty One Thousand Four Hundred and Six 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.

सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg-Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
राजमंड्री हवाई अड्डा/Rajahmundry Airport
राजमंड्री/Rajahmundry 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, दूरभाषा / Phone: 0883-2020111, Engg-E: 0883-2020171



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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 **22.01.2021**.
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.

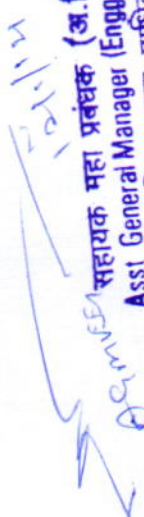
(एम. मुथुमिलन / M. MUTHAMILAN)
सहायक महा प्रबंधक (अभि-वि)/ Asst. General Manager (Engg-E)
भा वि प्रा. राजमंड्री हवाई अड्डा/AAI, Rajahmundry Airport
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India

सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg-Elect)
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Airports Authority of India
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राजमंड्री/Rajahmundry 533 102

Schedule of Quantities

Name of work : SITC of UPS System for Ground Lighting Facilities and Terminal building at Rajahmundry Airport.

S. No.	Description of items	Qty	Unit	Rate(₹)	Amount(₹)
1	Design, Fabrication, Supply, Installation, Testing and Commissioning of 3 Phase, 50 Hz Online UPS system of 2x160 KVA capacity, 3-phase input, 3 phase output online UPS with double conversion IGBT technology with suitable rated isolation transformer to drive constant current regulators, Suitable for 100% unbalanced load, built in automatic static by pass, active input power factor correction, phase sequence corrector, pure sine wave output, input/output isolation, compatibility with generator supply, cold start capability, EMI/RFI noise filter, advanced communication- RS232 port and user friendly LCD display, suitable to operate at 415V, 50Hz, 3 phase AC supply and capable to load 2 phase & single phase loads on 3phase output with 100% unbalanced and necessary safety protections, operated in parallel redundancy configuration in dust and vermin proof cubicle panel duly painted and with ventilation ducts, forced air cooling, floor mounted comprising of supply and connecting required/suitable size & number of 12 V VRLA SMF batteries shall have backup time of minimum 30 minutes per each UPS along with battery rack, arranged in racks with terminals, intercell connectors, DC cables with insulated copper conductor of required size as per site condition , Power cables among UPSs, UPS input Panel & UPS output Panel with armoured, insulated copper conductor of required size as per site condition and all accessories and capable of giving desired output suitable to operate Airport runway Airfield lighting systems through Constant Current regulators with all controls and protective circuits and conforming to etc. complete as per technical specifications.	1	Set	3773000.00	3773000.00
2	Design, Fabrication, Supply, Installation, Testing and Commissioning of 415V, 50Hz, 3 phase AC Online UPS system of 10 KVA capacity , suitable for operating unbalanced loads also, in dust and vermin proof cubicle panel duly painted and with ventilation ducts, floor mounted comprising of 12V VRLA SMF batteries shall have backup time of minimum 15 minutes, arranged in racks with terminals, intercell connectors, DC cables, interconnecting cables between battery rack and UPS of required size as per site condition and all accessories, forced air cooling and capable of giving desired output with all controls and protective circuits and conforming to etc. complete as required.	1	Set	160000.00	160000.00


सहायक महा प्रबंधक (अ.वि.)
Asst. General Manager (Engg-Elect)
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 Airports Authority of India
 राजमंड्री हवाई अड्डा/ Rajahmundry Airport
 533 102

S. No.	Description of items	Qty	Unit	Rate(₹)	Amount(₹)
3	Supply, Installation, Testing & Commissioning of 400A, 36KA, 4P MCCB with Thermal Magnetic release with O/C & S/C protection, with extended operating handle, RYB phase indicating lamps controlled by MCBs, ON & OFF indication lamps housed in a suitable wall mounting type sheet steel enclosure made of 14 SWG CRCA sheet with powder coated, suitable space to accommodate 3.5C x 400 Sq.mm Aluminium Cable end terminations and suitable to receive 3.5 C x 400 Sq.mm Cable by providing spreaders/busbars with sufficient clearance at either side of MCCB (i.e., bottom & Top) and with gland plates etc., complete as required.	2	Job	46000.00	92000.00
4	Design, fabrication, assembling, supply, installation, testing and commissioning of cubicle type - UPS Output LT panel floor mounted, free standing suitable for 415 V 3 phase, 4 wire 50 Hz AC supply system fabricated in compartmentalised design from CRCA sheet steel of 2 mm thick for frame work IP 42 and covers, 3 mm thick for gland plates i/c cleaning and finishing complete 7 tank process for powder coating in approved shade, extendable type TPN aluminium alloy busbars of high conductivity, extended rotary handles, DMC/SMC busbar supports, with bottom base channel of MS section not less than 100mm X 50 mm X 5 mm thick, entire panel shall have a common copper earthbar of size 25mm X 5 mm at the rear with 2 Nos. earth studs, solid connection from main busbar to switchgears with require size of aluminium busbar & control wiring with FRLS insulated copper conductor cable, cable alleys, cable gland plates i/c accessories as per specification and providing switchgears, metering instruments etc. as per specifications. (A) INCOMER a) 2 Nos. 400 Amp, 36KA, 4P Moulded Case Circuit Breaker with Thermal Magnetic release with O/C and S/C protection and extended ROM b) 2 Nos. digital multifunction meter, Class 1.0, LCD type including suitable rating CTs for 3 phase, 4 wire operation. c) 2 Set of RYB phase indicating lamps controlled by MCBs. d) 2 Nos. of ON/OFF/TRIP Indication lamps. (B) BUSBARS 600 Amp TPN busbars of high conductivity electrolytic quality aluminium alloy. (C) OUTGOING a) 2 Nos. 400 Amp, 36KA, 4P Moulded Case Circuit Breaker with Thermal Magnetic release with O/C and S/C protection and extended ROM. b) 2 Nos. of ON/OFF/TRIP Indication lamps.	1	Job	210000.00	210000.00


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 Asst. General Manager (Engg-Elect)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 New Delhi

S. No.	Description of items	Qty	Unit	Rate(₹)	Amount(₹)
5	Supplying and making end termination with brass single compression gland and aluminium lugs for following sizes of PVC/XLPE insulated PVC sheathed aluminium conductor cable of 1.1 KV grade as required 3.5 x 25 sq.mm	6	Sets	282.00	1692.00
6	Supplying and making end termination with brass single compression gland and aluminium lugs for following sizes of PVC/XLPE insulated PVC sheathed aluminium conductor cable of 1.1 KV grade as required 3.5 x 35 sq.mm	8	Sets	310	2480.00
7	Supplying and making end termination with brass single compression gland and aluminium lugs for following sizes of PVC/XLPE insulated PVC sheathed aluminium conductor cable of 1.1 KV grade as required 3.5 x 120 sq.mm	2	Sets	712.00	1424.00
8	Supplying and making end termination with brass single compression gland and aluminium lugs for following sizes of PVC/XLPE insulated PVC sheathed aluminium conductor cable of 1.1 KV grade as required 3.5 x 400 sq.mm	6	Sets	1770.00	10620.00
9	Laying of one no. PVC/XLPE insulated PVC sheathed armoured Aluminium conductor power cable of 1.1 KV grade of size from 25 sq. mm and upto 50 sq. mm. as required. On surface	14	Mtrs	50.00	700.00
10	Laying of one no. PVC/XLPE insulated PVC sheathed armoured Aluminium conductor power cable of 1.1 KV grade of size from 25 sq. mm and upto 50 sq. mm. as required. In the existing RCC Trench/Hume Pipe/Stone ware/Metal pipe/Masonry open duct	154	Mtrs	50.00	7700.00
11	Laying of one no. PVC/XLPE insulated PVC sheathed armoured Aluminium conductor power cable of 1.1 KV grade of size above 95 Sq.mm and upto 185 sq.mm as required. On surface	2	Mtrs	70	140.00
12	Laying of one no. PVC/XLPE insulated PVC sheathed armoured Aluminium conductor power cable of 1.1 KV grade of size above 95 Sq.mm and upto 185 sq.mm as required. In the existing RCC Trench/Hume Pipe/Stone ware/Metal pipe/Masonry open duct	24	Mtrs	80.00	1920.00

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Asst General Manager (Engg-Elect)
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Airports Authority of India
राजमंडी हवाईअड्डा | Rajahmundry Airport
राजमंडी | Rajahmundry 533 102

S. No.	Description of items	Qty	Unit	Rate(₹)	Amount(₹)
13	Laying of one no. PVC/XLPE insulated PVC sheathed armoured Aluminium conductor power cable of 1.1 KV grade of size above 185 sqmm upto 400 sqmm as required. On surface	6	Mtrs	80.00	480.00
14	Laying of one no. PVC/XLPE insulated PVC sheathed armoured Aluminium conductor power cable of 1.1 KV grade of size above 185 sqmm upto 400 sqmm as required. In the existing RCC Trench/Hume Pipe/Stone ware/Metal pipe/Masonry open duct	130	Mtrs	100.00	13000.00
15	Supply & laying of 6 SWG GI earth wire along the cable length etc. complete as required.	330	Mtrs	30.00	9900.00
16	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	Sets	6000.00	12000.00
17	Providing and fixing 25 mm x 5 mm GI strip on surface or in recess for connections with clamping etc as required.	60	Mtrs	145	8700.00
18	Providing and fixing 25 mm X 5 mm GI strip in 40 mm dia GI pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	12	Mtrs	350.00	4200.00
19	Earthing with Copper earth plate 600 mm x 600 mm x 3 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	Sets	12,000.00	24000.00
20	Providing and fixing 25 mm x 5 mm Copper strip on surface or in recess for connections with clamping etc as required.	30	Mtrs	793.00	23790.00
21	Providing and fixing 25 mm X 5 mm Copper strip in 40 mm dia GI pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	12	Mtrs	993.00	11916.00
22	Extra for using salt and charcoal for G.I and Copper plate earth electrode as required.	4	Sets	4000.00	16000.00

12/10/24
 सहायक महा प्रबंधक (अ.वि.)
 Asst General Manager (Engg-Funct)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 राजमंडी हवाईअड्डा/ Rajahmundry Airport
 राजमंडी 533 102

S. No.	Description of items	Qty	Unit	Rate(₹)	Amount(₹)
23	Supply and Fixing of nominal 2.0 mm (Width 1 Mtr) thick PVC synthetic, electric insulated mats conforming to IS 15652-2006 along with suitable adhesive/ chemibond, i/c providing water proofing of floor, (chipping of floor if required) sealing of all joints etc., as required.	60	Sq.mtr	1200.00	72000.00
24	Wiring for circuit/sub-main/Power plug alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core in surface/recessed Steel conduit as required. 2 x 2.5 Sq.mm. + 1 x 2.5 sq. mm. earth wire	200	Mtrs	282.00	56400.00

Total Rs. 4514062.00

Add: GST @18% 812531.16

Grand Total Rs. 5326593.16

Say Rs. 5326593.00

Rupees Fifty Three Lakh Twenty Six Thousand Five Hundred and Ninety Three Only



A.G.M.(Engg-Elect)
AAI, Rajahmundry Airport
सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg-Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
राजमहरी हवाईअड्डा/ Rajahmundry Airport
राजमहरी/Rajahmundry 533 102

Signature Not Verified

Digitally signed by MUTHUKUMARASAMY
MUTHAMILAN
Date: 2021.01.19 10:44:21 IST
Location: eProcurement System for
Central PSUs