



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

मदुरै हवाई अड्डा, मदुरै - 625 022.

MADURAI AIRPORT, MADURAI - 625 022.

(ISO 9001 - 2015 & 14001 - 2015 प्रमाणित / CERTIFIED)

भा.भा.वि.प्रा./मदुरै/इ(वि)/MDU-352/23-24

Ref: AAI/MDU/E-E/MDU-352/23-24

दि:/Date: 21.06.2023

सेवा में /To,

M/s. Surbhi Association,
E-17-B, Surendra Vihar,
Bagmugliya, Hoshangabad Road,
Bhopal - 462 043
Mob:93012 81551, 94072 08551
Email: surbhiassociation@gmail.com

विषय/Sub : Providing PVC Synthetic Mats, Other Safety audit requirement for OPH, CCR, Pump Room OTB, Substation room etc. at Madurai Airport - Reg.

संदर्भ/Ref: (1)Your e-tender (Financial bid-2023 AAI 152591 1) Opened on 13.06.23

महोदय/Dear sir(s),

- 1) Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling to **Rs. 17,34,850.00 (Rupees Seventeen Lakh Thirty Four Thousand Eight Hundred and Fifty Only)** plus applicable GST which is 11.23% below the estimated cost put to tender of Rs.19,54,324.00 plus applicable GST.
- 2) Jt. General Manager (Engg-Elect.), Airports Authority of India, Madurai Airport, Madurai- 625 022, shall be the Engineer-in-charge of the work.
- 3) You are requested to attend the office of the Asst. General Manager (Engg-Elect.), AAI, Madurai Airport by **05.07.2023** 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 tender document shall be down loaded and signed in each page which shall form part of the agreement. The entire cost towards stamp paper, down loading and printing tender document shall be borne by the contractor.
- 4) As per relevant clause of GCC-2017, which is a part of the contract agreement, security deposit @ 10% (Ten Percent) of gross amount of each running bill will be deducted from your bill which shall released after successful completion of Defects Liability Period which shall be **One Year** from the certified date of completion.



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- 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 and Regulation) and Act 1986, Construction workers (Regulation of employment and conditions of service) Act 1996, Building and other construction workers welfare cess Act 1996 as specified in Clause-19 on Page No.50 of GCC of tender and rules of Central and State Governments.
- 6) You are also directed to contact Manager (Engg-Elect)-II, AAI, Madurai Airport immediately who will arrange to hand over the site to you.
- 7) Please note that the time allowed for carrying out the work shall be 03 (Three) Months and same shall be reckoned from **05.07.2023**.
- 8) Any further correspondence in connection with the contract should normally be addressed to the Jt. General Manager (Engg.-Elect.), AAI, Madurai.
- 9) 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.
- 10) This work order is allotted the number **MDU-352** which shall be quoted by you future correspondence in connection with this work Contract.
- 11) All other terms & Condition shall be as per Tender Document.

Yours faithfully,

Encl: Schedule of Work

Asst. General Manager (E-E)
For and on behalf of the Chairman

Airports Authority of India
सहायक महाप्रबंधक / Assistant General Manager
इंजीनियरिंग (विद्युत) / Engineering [Electrical]
भारतीय विमानपत्तन प्राधिकरण / AIRPORTS AUTHORITY OF INDIA
मदुरै हवाई अड्डा / MADURAI AIRPORT

Item Rate BoQ

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Tender Inviting Authority: AIRPORTS AUTHORITY OF INDIA

Name of Work: Providing PVC Synthetic Mats, Other Safety audit requirement for OPH, CCR, Pump Room OTB, Substation room etc. at Madurai Airport.

Contract No: 2023_AAI_152591_1

Name of the Bidder/ Bidding Firm / Company : Sunil Dubey / Surbhi Association

PRICE SCHEDULE

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	Supply & installation of 8 mm dia Aluminum alloy Solid Round Conductor of material AlMgSi used in Down conductor system. minimum Cross sectional area of conductor should be 50 mm ² . Conductor is tested for Lightning Impulse current of 100 kA for 10/350 μs. Electrical Resistivity, Tensile strength & Corrosion test as per IS/IEC 62561-2.	100	Mtr	250.00	25000.00	INR Twenty Five Thousand Only
2	Supply & installation of self supporting type, 2 Meter Vertical Air Terminal made of material AlMgSi of diameter 16mm rod tapered to 10mm at interception tip as per IEC 62305-3, The rod shall be mounted with suitable supporting and fixing accessories, depending upon site requirement. Folded clamps are considered for metal structures. The Electrical, Mechanical and chemical properties of the Vertical air terminal shall be compliant to IS/IEC 62561-1 & 2 standards with upto date amendments.	1	No	6500.00	6500.00	INR Six Thousand Five Hundred Only
3	Supply and installation of UV resistant Parapet conductor holder (Material:PU/Nylon) suitable for 8mm round conductor meeting the requirements of IEC/IS 62305	30	Nos	80.00	2400.00	INR Two Thousand Four Hundred Only
4	Supply and installation of stainless steel test joint suitable to connect 8mm dia round conductor meeting the requirements of IEC/IS 62561-1&2 requirements.	5	Nos	650.00	3250.00	INR Three Thousand Two Hundred & Fifty Only
5	Supply and installation of UV resistant Nylon down conductor holder on side walls suitable for holding 8 mm dia round conductor meeting IEC/IS 62561-1&2 requirements	40	Nos.	300.00	12000.00	INR Twelve Thousand Only
6	Supply and installation of stainless steel test joint suitable to connect 8mm Al round conductor to 10mm copper bonded round conductor with polycarbonate enclosure on all downconductors with above 1mtr from the ground	2	Nos.	1200.00	2400.00	INR Two Thousand Four Hundred Only
7	Supply & installation of Lightning counter - LCD screen shows the number of lightning strikes, hour and date of lightning events Buttons enable TIME/DATE setting and log viewing. Replaceable battery, working life minimum five years, Complies with IEC/IS 62561-6	1	No	18500.00	18500.00	INR Eighteen Thousand Five Hundred Only
8	Supply & installation of Rust resistant non corrosive 10 mm dia Copper bonded round conductor used for earth termination inside the soil/concrete complies to IEC/IS 62561-1&2 standards.	20	Mtr	750.00	15000.00	INR Fifteen Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
9	Providing Maintenance Free Earth pits with UL listed Copper bonded Earth rod of 3 Mtr. length having the minimum dia of 14 mm with copper coating thickness of not less than 254 microns along with 25Kg earth enhancing compound tested for leaching and TCLP from NABL accredited labs as per IEC-62561-7 standards. Base metal shall be IS marked branded MS Rod and with all other accessories. Excavation of pit, Installation of Earth electrodes of 3m long, 14mm dia. copper bonded rod and backfilling the pit with 25kgs. of backfil earth enhancing compound. This job also includes supply and installation of heavy duty plastic earth pit inspection chamber and providing stainless steel universal clamp on Earth rod suitable for terminating cable or flat conductor.	2	Sets	15000.00	30000.00	INR Thirty Thousand Only
10	Supply of XLPE insulated PVC sheathed, Armoured Aluminium conductor power cable of 1.1 KV grade of following size etc as per IS 7098 part I 1988 with uptodate amendments etc complete as required. 3.5C X 35 Sq.mm	280	Mtr	270.00	75600.00	INR Seventy Five Thousand Six Hundred Only
11	Supply of XLPE insulated PVC sheathed, Armoured Aluminium conductor power cable of 1.1 KV grade of following size etc as per IS 7098 part I 1988 with uptodate amendments etc complete as required. 3.5C X 95Sq.mm	330	Mtr	650.00	214500.00	INR Two Lakh Fourteen Thousand Five Hundred Only
12	Supply of XLPE insulated PVC sheathed, Armoured Aluminium conductor power cable of 1.1 KV grade of following size etc as per IS 7098 part I 1988 with uptodate amendments etc complete as required. 3.5C X 240 Sq.mm	330	Mtr	1400.00	462000.00	INR Four Lakh Sixty Two Thousand Only
13	Supply of LED flood light with high pressure die cast Aluminium / standard alloy housing and LEDs of approved make pasted on diecast housing and high efficiency PMMA diffuser, Driver installed on cast aluminium housing and prewired upto the terminal block. It has a system lumen output not less than 35000 lumens with luminaire efficacy of not less than 100 lm/W suitable for outdoor application	5	Nos	12000.00	60000.00	INR Sixty Thousand Only
14	Supply of LED flood light with high pressure die cast Aluminium / standard alloy housing and LEDs of approved make pasted on diecast housing and high efficiency PMMA diffuser, Driver installed on cast aluminium housing and prewired upto the terminal block. It has a system lumen output not less than 30000 lumens with luminaire efficacy of not less than 100 lm/W suitable for outdoor application	5	Nos	12000.00	60000.00	INR Sixty Thousand Only
15	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. complete as required. 90 mm dia (OD-90 mm & ID-75mm nominal)	650	Mtr	300.00	195000.00	INR One Lakh Ninety Five Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
16	Supply, Installation, Testing and Commissioning of outdoor Feeder Pillar type Busbar box suitable for loop in and loop out of 3.5C x 240 sq.mm XLPE insulated PVC sheathed armoured Al power cable, made out of 2 mm thick CRCA sheet of suitable dimensions and conforming to IP 54, free standing dust and vermin proof, with front hinged lockable doors, suitable for operation on 3 phase, 415 V, 50Hz AC system i/c 200 Amp TPN busbars and MS angle iron stand size 50 mm x 50 mm x 5 mm of required length, i/c excavation, necessary concrete foundation with cement concrete base etc complete as required.	2	Job	25000.00	50000.00	INR Fifty Thousand Only
17	Supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template suitable for existing 20M Ventura AFL High Mast	1	Sets	30000.00	30000.00	INR Thirty Thousand Only
18	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/GI/HDPE/DWC pipe etc. complete as required. up to 35 sq.mm	275	Mtr	50.00	13750.00	INR Thirteen Thousand Seven Hundred & Fifty Only
19	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/GI/HDPE/DWC pipe etc. complete as required. Above 35Sqmm and upto 95 Sqmm	350	Mtr	75.00	26250.00	INR Twenty Six Thousand Two Hundred & Fifty Only
20	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/GI/HDPE/DWC pipe etc. complete as required. Above 185Sqmm and upto 400 Sqmm	350	Mtr	100.00	35000.00	INR Thirty Five Thousand Only
21	Supplying and making straight through joint with cast resin compound 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. 3.5C x 95Sq.mm	1	Set	3500.00	3500.00	INR Three Thousand Five Hundred Only
22	Supplying and making straight through joint with cast resin compound 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. 3.5C x 240 Sq.mm	1	Set	5000.00	5000.00	INR Five Thousand Only
23	Supply and making 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 etc. complete as required 3.5C X 35 Sq.mm	2	Sets	300.00	600.00	INR Six Hundred Only
24	Supply and making end termination with brass compression gland and aluminium lugs of following size of PVC sheathed/ XLPE aluminium conductor cable of 1.1KV grade etc. complete as required. 3.5C X 95 sq.mm	2	Sets	500.00	1000.00	INR One Thousand Only
25	Supply and making end termination with brass compression gland and aluminium lugs of following size of PVC sheathed/ XLPE aluminium conductor cable of 1.1KV grade etc. complete as required. 3.5C X 240 sq.mm	2	Sets	800.00	1600.00	INR One Thousand Six Hundred Only
26	Earthing With Copper earth plate 600mm X 600 mm X 3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc with charcoal / coke and salt as required	2	Sets	18500.00	37000.00	INR Thirty Seven Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
27	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with charcoal/ coke and salt) as required.	18	Sets	8000.00	144000.00	INR One Lakh Forty Four Thousand Only
28	Providing and fixing 6 SWG G.I. wire on surface or in recess for loop earthing as required.	400	Mtr	30.00	12000.00	INR Twelve Thousand Only
29	Providing and fixing 25mm X 5mm copper strip in 40mm dia GI pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	10	Mtr	1200.00	12000.00	INR Twelve Thousand Only
30	Providing and fixing 25mm X 5mm copper strip in recess for connections etc. as required.	10	Mtr	800.00	8000.00	INR Eight Thousand Only
31	Design and Construction of suitable shallow foundation with anchor plates, templates i/c fixing of foundation bolts supplied for high mast with M20 grade concrete for 20M height high masts and installation of highmasts on the base using suitable heavy equipments, installation of required no. of LED light fittings and counter weights on the lantern carriage, installation of LED aviation obstruction lights, installation of control panel, interconnecting cables, wiring, testing and commissioning etc. complete as required. This job also includes shifting the High Mast from Old power house to apron.	1	Job	135000.00	135000.00	INR One Lakh Thirty Five Thousand Only
32	Servicing of 20 Meter Ventura make Apron High mast which includes complete overhauling of the winch gear assembly i/c replacement of parts such as shaft, bearing, oil seals and filling up with lubricating oil etc. and refixing the winch gear assembly Cleaning, greasing and painting of the motor, checking alignment of electrical components like cables, luminaries etc and replacement of faulty mechanical components like wire rope, trailing cable, drum, winch, power tool etc. if required (Materials will be given by the department). testing and commissioning etc. as required	1	Job	35000.00	35000.00	INR Thirty Five Thousand Only
33	Supply and fixing of PVC Synthetic Elastomer Electrically insulating MAT with Class A insulation confirming IS: 15652 - 2006 & CPRI tested having 2mm thickness up to 33KV etc. as required.	2	Sq.mtr	1500.00	3000.00	INR Three Thousand Only
				Total in Figures	1734850.00	INR Seventeen Lakh Thirty Four Thousand Eight Hundred & Fifty Only

Say Rs. 1734850.00 (Rupees Seventeen Lakhs Thirty Four Thousand Eight Hundred and Fifty Only) plus applicable GST as per Government norms.

 **बीजू के.जी. / BIJU K.G.**
 सहायक महाप्रबंधक / Assistant General Manager
 विमानपत्तन विभाग / Engineering (Electrical)
Asst. General Manager (EE)
 भारतीय विमानपत्तन प्राधिकरण / AIRPORTS AUTHORITY OF INDIA
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