



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-353/23-24

Ref: AAI/MDU/E-E/MDU-353/23-24

दि: /Date: 22.09.2023

सेवा में /To,

M/s. Balaji Engineering,
No 28, 6th street,
Bakthavatchalam Nagar,
Palavanthangal, Chennai - 600 114.
Mob: 9444721735.
Email: balajiengineering.rajesh@gmail.com

**विषय / Sub : Providing new VCB HT Panel in place of old OCB HT Panel
including HT cable laying and provisional ringmain unit
for NPH yard to OPH yard at Madurai Airport - Reg.**

**संदर्भ / Ref: Your e-tender (Financial bid-2023 AAI 163330 1) Opened
on 13.09.2023**

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. 54,24,750.00 (Rupees Fifty Four Lakhs Twenty Four Thousand Seven Hundred and Fifty Only)** plus applicable GST which is 22.63% below the Justified cost put to tender of Rs.69,86,606.00 plus applicable GST.
- 2) Asst. 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 **06.10.2023** 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 downloaded and signed in each page which shall form part of the agreement. The entire cost towards stamp paper, downloading 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 be released after successful completion of Defects Liability Period, which shall be **One Year** from the certified date of completion.

Contd....2

विमानपत्तन निदेशक का कार्यालय, मदुरै हवाई अड्डा, मदुरै - 625 022.

O/o The Airport Director, Madurai Airport, Madurai - 625 022.

दूरभाष / Tel : 0452-2690717 / फैक्स / Fax : 0452 - 2690151, 2690305 E-mail : apdmadurai@aai.aero



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AIRPORTS AUTHORITY OF INDIA

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MADURAI AIRPORT, MADURAI - 625 022.

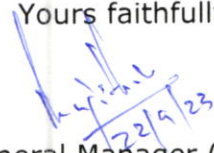
(ISO 9001 - 2015 & 14001 - 2015 प्रमाणित / CERTIFIED)

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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 which shall be **04 (Four) Months** and same shall be reckoned from **06.10.2023**.
- 8) Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
- 9) Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith to the undersigned within (15) fifteen days from the date of issue of this award letter as a token of acceptance.
- 10) This work order is allotted the number **MDU-353** 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.

Encl: Schedule of Work

Yours faithfully,


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

Tender Inviting Authority: Airports Authority of India, Madurai Airport, Madurai -625 022.

Name of Work: Providing new VCB HT panel in place of old OCB HT panel including HT cable laying and provisional ringmain unit for NPH yard to OPH yard at Madurai Airport.

Contract No: 2023_AAI_163330_1

Name of the Bidder/ Bidding Firm / Company : M/s. Balaji Engineering

PRICE SCHEDULE

Sl. No.	Item Description	Quantity	Units	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	Supply, Installation, Testing & Commissioning of outdoor type (IP 55 or better from CRCA Sheet of 3mm thick for frame work & covers) floor mounted metal clad, (11 KV) Switch Board VCB panel with 7 Nos. VCBs, totally enclosed & fully interlocked, truck mounting, horizontal draw out, horizontal isolation type vacuum breaker as per IS / IEC 62271-100 (2007) for breakers & IEC 62271-200 (2003), for panels / IS3247 as amended up to date, having capacities as mentioned below, free standing extensible on both sides, single break, trip free mechanism, motorised charged and auto/ manually closing breaker suitable for use on 11 KV, 3 Phase, 50Hz A.C. supply with short circuit fault level of 500 MVA, complete with self contained short time current 26.3 kA for 3 sec, Internal Arc Test for AFLR 26.3 kA for 1 sec at individual compartments i.e busbar, VCB and cable compartment, rack in and rack out mechanism, air insulated but encapsulated copper bus bars capacity meeting fault level current, inbuilt DC power pack, breaker featured with mechanical ON / OFF indicator with hand trip device, Breaker control TNC switch and all accessories such as shunt trip coil and auxiliary switch of 4NO+4NC, motorised and manually operated spring assisted closing mechanism, emergency trip push button, interconnections, space heaters, earthing, etc. and equipped with following switchgears and accessories, connections suitable for cable upto 3C X 300 sqmm XLPE cable of 11 KV grade (cable entry from bottom), separate earthing switch shall be provided for cable earthing. The earthing truck shall be so designed that it is impossible to earth a live. cable terminations suitable for 3C x 300sq.mm. XLPE 11 KV cable etc. as per site requirement.	1	Job	4000000.00	4000000.00	INR Forty Lakh Only
1.1	Incomer 1 No. consisting of following; 1 No. of 800 Amp , 11 KV, 3 Ph, 3POLE VCB 1 No - Multifunction Meter with accuracy class 0.5 LED display of I ,V, Hz, Active, Reactive, Apparent Power & Energy, Power factor, %THD , Maximum demand load, (complying with IEC61557-12) with RS 485 & Ethernet port and protection MCB and required accessories to complete the system 3 No. Cast resin drawout type PTs 11 KV / $\sqrt{3}$ / 110 $\sqrt{3}$, class 0.5,100 VA burden including HT HRC fuse on 11 KV Side and MCBs on secondary side protction. 1 No. Voltmeter (0-15KV) digital type, selector switch for voltmeter and protection fuses/MCB for HT metering up to 12KV on incomer. 1No. Ammeter (0-300 A) dual scale ammeter, digital type, selector switches for ammeter. 3 No. Cast resin insulated Dual core 3 CTs 300/150/ 5-5A of 15VA burden and accuracy Class -0.5 for metering and class 5P10 for protection. Aux. relays for Anti Pumping & indication. Trip Circuit supervision relay Master Trip Circuit Relay 1 No. Micro processor based over current, short circuit 51/50 & earth fault numerical IDMT relay with having dual redundancy port for IEC 61850 ring topology, RS 485 modbus communication facility consisting 3 element for over current relay and one earth fault capable of storing minimum last 10 trip history. 3 No. Arc flash protection sensors with minimum 3 meters length compatible with the proposed feeder protection relay for VCB, Busbar & cable compartments. 1 No. Over & under voltage protection relay 1 No. Over & under frequency relay 1 No. Alarm annunciator with minimum 8 windows and buzzer, ACK, rest, test push button for transformer faults and electrical faults in respective window. Busbar 800 Amps TP, 12 KV Copper Bus bar with encapsulated insulation sleeves with cast epoxy support insulator to withstand full short circuit currents upto 26.3 kA for 3 second.					

Sl. No.	Item Description	Quantity	Units	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1.2	Outgoings 6 Nos. each consisting of following; 6 Nos. 800 Amp, 11 KV VCB horizontal draw out type VCB with motorized spring charge mechanism, T/N/C switch and required safety switchgears complete Aux. relays for Anti Pumping & indication. Trip Circuit supervision relay Master Trip Circuit Relay 1 No. Micro processor based over current, short circuit 51/50 & earth fault numerical IDMT relay having dual port IEC 61850, RS 485 modbus communication facility consisting 3 element for over current relay and one earth fault capable of storing minimum last 10 trip history. 1 No - Multifunction Meter with accuracy class 0.5 LED display of I, V, Hz, Active, Reactive, Apparent Power & Energy, Power factor, %THD, Maximum demand load, (complying with IEC61557-12) with RS 485 & Ethernet port and protection MCB and required accessories to complete the system. 3 No. Arc flash protection sensors with minimum 3 meters length compatible with the proposed feeder protection relay for VCB, Busbar & cable compartments. 3 No. Cast resin insulated Dual core 3 CTs 100/50/5-5A of 15VA burden and accuracy Class -0.5 for metering and class 5P10 for protection. 1 No. Alarm annunciator with minimum 8 windows and buzzer, ACK, reset, test push button for transformer faults and electrical faults in respective window. Busbar 800 Amps TP, 12 KV Copper Bus bar with encapsulated insulation sleeves with cast epoxy support insulator to withstand full short circuit currents upto 26.3 kA for 3 second All I/C & O/G Breaker have following Accessories & indication 6A MCB 6A MCB for spring charge DC Control Supply healthy & fails Surge Arrestor of type 1, 11KV grade shall be provided for all phases of each incomer AC Supply control ON/OFF Switch Circuit breaker failure Alarm indication VCB spring charge indication LED Illumination lamp ON / OFF with limit Switch T-N-C (Trip, Neutral, Close) breaker control switch with indication arrangement. All control wiring with protection & test terminal block as required. Emergency trip push button 2A MCB for lamp 60 watts space heater with thermostat 16 Amp MCB for space heater and plug point 6/16 Amps 5 Pin with piano type switch socket outlet					
2	supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for for 3 core X 120 Sq.mm, XLPE aluminium conductor cable of 11 KV grade as required	1	Job	10000.00	10000.00	INR Ten Thousand Only
3	supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 3 core X 300 Sq.mm, XLPE aluminium conductor cable of 11 KV grade as required	1	Job	15000.00	15000.00	INR Fifteen Thousand Only
4	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. with charcoal/ coke and salt as required.	4	Set	15000.00	60000.00	INR Sixty Thousand Only
5	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including thermite weld connection/ terminating with nut, bolt, spring, washer etc. as required.	70	Mtr	1000.00	70000.00	INR Seventy Thousand Only
6	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	20	Mtr	1500.00	30000.00	INR Thirty Thousand Only
7	Supply, installation, testing and commissioning ISI marked (IS:15683) Fire Extinguisher, Carbon-di-oxide type capacity 4.5 Kg. Flat base including valve, discharge hose of not less than 10 mm dia, 1M long and complete in all respects including initial fill with CO2 gas conforming to IS:307-1966 and wall suspension bracket and MS angle complete as required & as per specifications.	2	Job	5000.00	10000.00	INR Ten Thousand Only
8	Supply, installation, testing and commissioning of 6kg ABC (Powder Type) Fire Extinguisher, Mild Steel Cylinders ISI marked fitted with pressure indicating gauge, internal tube, squeeze lever type valve fully charged with ABC 90 powder (Mono Ammonium Phosphate) pressured by Nitrogen complete in all respects including wall suspension bracket and MS angle complete and conforming to IS:15683 as required and as per specifications.	2	Job	5000.00	10000.00	INR Ten Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
9	Providing of set of 4 Nos. 9.5 Litre capacity GI bucket painted in post office red colour with prior coat of red oxide paint and written with white paint 'FIRE' and mounted on MS angle iron frame with bracket of appropriate size & capacity l/c filling sand etc.	2	Set	5000.00	10000.00	INR Ten Thousand Only
10	Supply and fixing of fire retardant electrically insulated synthetic mat of class C, 2.5 mm thick or better suitable for 11KV AC grade and 240V DC system meeting requirements of IS 15652:2006 tested for breakdown strength, tensile/elongation, aging properties, insulation resistance, effect to acid, alkaline, diesel, transformer oil & leakage current test, fire test etc. having minimum width of 1000 mm ± 20 mm along with all allied materials such as Pu-resin, Chemi bound, special PVC adhesive, liquid primer etc. in what so ever quantity required to complete the job as per site conditions and as per instructions from Engineer-In-Charge.	20	Sqm	2500.00	50000.00	INR Fifty Thousand Only
11	Supply of 4C X 25 Sq.mm XLPE insulated PVC sheathed, armoured Aluminium conductor power cable of 1.1 KV grade as per IS 7098 part I 1988 with upto date amendments etc complete as required.	350	Mtr	250.00	87500.00	INR Eighty Seven Thousand Five Hundred Only
12	Supply of 3C X 10 Sq.mm XLPE insulated PVC sheathed, armoured Aluminium conductor power cable of 1.1 KV grade as per IS 7098 part I 1988 with upto date amendments etc complete as required.	75	Mtr	250.00	18750.00	INR Eighteen Thousand Seven Hundred & Fifty Only
13	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing HDPE/DWC/HUME METAL pipe as required. Upto 35 sq. mm	380	Mtr	35.00	13300.00	INR Thirteen Thousand Three Hundred Only
14	Supplying 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 as required. 4C X 25 sq.mm	2	Job	300.00	600.00	INR Six Hundred Only
15	Supplying 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 as required. 3C X 10 sq.mm	1	Job	350.00	350.00	INR Three Hundred & Fifty Only
16	Supplying and making end termination with aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3C X 10 sq.mm	5	Job	350.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
17	Supply of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205, Part 24 complete with fitting and cutting, jointing etc. complete as required. 50 mm dia (outer dia)	750	Mtr	100.00	75000.00	INR Seventy Five Thousand Only
18	Laying of 50mm dia DWC pipe direct in ground (75 cm below ground level) in all types of soil including excavation and refilling the trench but excluding sand cushioning and protective covering etc. Complete as required	720	Mtr	100.00	72000.00	INR Seventy Two Thousand Only
19	Supply of 6 core multi mode armoured Optical Fibre Cable 50/125 µm, OM4 multi mode 6 core armoured gel filled with multi loose tube (LSZH) to meet the relevant IS standard etc. as required.	350	Mtr	150.00	52500.00	INR Fifty Two Thousand Five Hundred Only
20	Laying of OFC cable in the existing Cable tray/Hume/DWC HDPE/GI Pipe/MS Conduit/PVC conduit/PVC casing capping etc. as required.	340	Mtr	25.00	8500.00	INR Eight Thousand Five Hundred Only
21	Supply, installation and testing of 19" rack mountable LIU fully loaded with SC type splicing tray, pigtailed and other accessories a) LIU with 6 nos. of SC interface per LIU etc. as required.	2	Job	75000.00	150000.00	INR One Lakh Fifty Thousand Only
22	Supply, installation and testing of multi mode SC to SC type Duplex patch cords of 3 mtr length compatible with patch panel as per pigtail type etc. as required.	7	Job	500.00	3500.00	INR Three Thousand Five Hundred Only
23	Supply, installation and testing of OFC to E-thernet media convertor with required power supply etc. as required.	2	Job	15000.00	30000.00	INR Thirty Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
24	Supply Installation and testing of 19" rack mountable 16 port Gigabit managed access E-thernet switch with 04 SFP ports and V-LAN support etc. as required.	1	Job	15000.00	15000.00	INR Fifteen Thousand Only
25	Supply and laying of CAT 6 or superior UTP cable with all termination crimping etc. as required.	15	Mtr	100.00	1500.00	INR One Thousand Five Hundred Only
26	OFC splicing for termination to LIU units etc. as required.	2	Job	20000.00	40000.00	INR Forty Thousand Only
27	Supply, Installation, Testing and Commissioning of 24 window alarm annunciator with serial communication feature, settings facility by DIP switches and jumpers, the annunciator shall have communication equipments like RS485/RS232 Modbus port, RTU-Slave protocol and communication facility to other Annunciators and devices such as DCS, SCADA, PLC, computer, printer etc. complete as required. The annunciator shall have the following features; 1) Two Operation Modes (Stand-alone and Serial) 2) Fully field configurable (Manually or by software) 3) Supports 4 built-in and 4 external pushbuttons: Acknowledge, Reset, Test, and Mute Item includes annunciator programming for 24 No.s VCB status signals from remote bays.	1	Job	65000.00	65000.00	INR Sixty Five Thousand Only
28	Design, Fabrication, Assembling, Supply, Installation, Testing and Commissioning of MV panel outdoor Cubical type with rain canopy, Floor mounted, free standing, dust & vermin proof conforming to IEC 61439 suitable for 415V, 3Ph, 4 wire, 50Hz supply system fabricated in compartmentalized design of Form 3 B and Ingress protection of IP 54 from CRCA sheet of 3mm thick for frame work and covers and 3mm thick for gland plates i/c cleaning and finishing complete as per OEM process for powder coating in approved shade, extendable type, 100A TPN aluminium busbars of high conductivity, DMC/SMC busbar supports, with bottom base channel of MS section not less than 100mmx50mmx 5mm thick, entire panel shall have common GI earth Bar having minimum size of 25mm x 3mm at the rear with 2 Nos of earth studs, provision for cable entry from bottom of the panel, front access shall be available to all components in Panel which require adjustment, maintenance or replacement and each compartment should be provided with door and pad locking arrangement including supply and installation of all items as below, including providing foundation and as per technical specification with all accessories. Incomer: i). One No. of 63 A, 36 KA, 4P MCCB with Thermal Magnetic Releases for Protection, ON/OFF/TRIP Indication Lamps, phase spreaders to connect 25 sqmm cable as required. ii) R,Y ,B Phase Indication LED lamps for each phase with 3 Nos of 2A ,MCBS & Breaker Indication Lamps (ON/OFF/TRIP) with 2A control MCBs - 1 Sets. Outgoing: i) Three Nos. of 16 A, 10 KA, 4P MCB ii) 6 Nos. of 10 A, 10 KA, SP MCB iii) 10A 4Pole contactor along with analog timer - 2 set. suitable wiring shall be provided. One set of 100A Al. bus bars with at par neutral bus bar as required. All accessories such as fuses, auxiliary contactors, auxiliary switches, etc. including providing Empty Cubicle Space (2 No.) suitable for 16A 4P MCB as required.	1	Job	125000.00	125000.00	INR One Lakh Twenty Five Thousand Only
29	Rerouting of existing 11KV cable from existing gantry substation to proposed switching VCB panels including taking out existing 11KV cable, excavating new trench of 1200mm depth, supply and laying of 100mm dia DWC HDPE pipe and re-laying the existing cable and new cable to the VCB panel (For rerouting no extra cost will be paid) etc. complete as per site requirement and E-I-C instructions.	130	Mtr	250.00	32500.00	INR Thirty Two Thousand Five Hundred Only
30	Supply of 6mtr GI OCTAGONAL continuously tapered (Bottom and Top dia of the pole not less than 130mm & 70mm respectively) Street Light Pole including Double Arm bracket not less than 700 mm length and 60 mm dia suitable for Wind Velocity as per IS 875, fabricated out of 3mm thick High Tensile Steel Sheet /Plate in single section with rigid flange plate (250x250x12mm Thick min.) welded with the base of pole for fixing on foundation bolts for installation on a precast foundation including supply of 4 Nos. of foundation bolt (M24x750mm) and providing weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5mm thick backalite sheet with stud type connector and DP MCB 6A, provision for earthing etc., complete as required.	5	Each	10000.00	50000.00	INR Fifty Thousand Only
31	SITC of 45W LED roadway luminaire with high power LED as Light source, inbuilt driver with aluminium/suitable alloy housing etc. as per tender specification for the proposed NDB approach road etc. as required.	10	Job	4000.00	40000.00	INR Forty Thousand Only
32	Supply of 3C X 120 Sq.mm XLPE insulated PVC sheathed aluminium conductor armoured power cable of 11 KV grade, Unearthed conforming to IS: 7098 (Part-II) amended upto date.	100	Mtr	1500.00	150000.00	INR One Lakh Fifty Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
33	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 Core, XLPE aluminium conductor cable of 11 KV grade as required. 3C X 120 Sq.mm	2	Job	10000.00	20000.00	INR Twenty Thousand Only
34	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 Core, XLPE aluminium conductor cable of 11 KV grade as required. 3C X 300 Sq.mm	2	Job	15000.00	30000.00	INR Thirty Thousand Only
35	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 with charcoal/ coke and salt etc. as required.	2	Set	7500.00	15000.00	INR Fifteen Thousand Only
36	Providing, laying 6 SWG dia G.I. Wire in ground in existing trench (75 cm deep) and re-filling etc. complete as required.	400	Mtr	30.00	12000.00	INR Twelve Thousand Only
37	Providing Concrete foundation platform for installing 11KV outdoor VCB panel as supplied in item number 1, including providing concrete M25 grade design Mix foundation of nominal dimension (9000X6000 mm) with depth of 900 mm (600 mm above ground level & 300 mm Below ground level), 100mm base concrete with 1:3:6 PCC, RCC rafting with 10 mm steel rod with spacing 150 mm in foundation, suitable size covered cable trench/pipes for entry of 11KV cables, control cables in rear/front side side of Panel in the concrete platform etc. as required. Necessary steps as required to be provided in the platform for accessing the panel. Supply and fixing of fencing all around the pedestal made out of 40x40x6 MM MS angle with 6mm size 25 X 25mm welded mesh, with Gate of size 1200(W) x 1800(H) mm. Proper supports shall be provided with MS Flats wherever necessary to prevent the welded mesh from warping. The 75x 40 mm. channel vertical support for the gate shall be fixed into the ground with PCC with 2.5 Mtr. height, 40 mm MS fabricated Poles around the yard with suitable size of MS angles, MS Channels, MS flats, fixing wire mesh, fencing, concrete foundation with spacing not less than 2 mtrs span between poles. MS Poles and the wire mesh shall be painted with approved color as per E.I.C Direction. The length of the fencing should cover all sides of the foundation with sufficient clearance from sides of the pedestal, complete etc. as per site requirement.	1	Job	30000.00	30000.00	INR Thirty Thousand Only
38	Installation, testing & commissioning of 6 Mtr. Height Octagonal Street Light Pole with all accessories in RCC foundation with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) foundation of size 50x50x150 cm (120 cm below the ground and 30 cm above the ground) (or as per OEM's Standard which ever is better) including excavation and refilling, positioning of template and foundation bolts (supplied with pole to match with pole base plate) and providing and fixing of PE 63, PN 6, HDPE pipe of size 50 mm dia (2 pieces of each minimum 0.75 Mtr length) in the foundation for loop-in loop-out of the cable, numbering the pole etc. complete as required.	5	Job	4000.00	20000.00	INR Twenty Thousand Only
Total in Figures					5424750.00	INR Fifty Four Lakh Twenty Four Thousand Seven Hundred & Fifty Only
Say Rs. 5424750.00 (Rupees Fifty Four Lakhs Twenty Four Thousand Seven Hundred and Fifty Only) plus applicable GST as per Government norms.						

Asst. General Manager (E-E)
AAI, Madurai Airport

Signature Not Verified

Digitally signed by Rajith V
Date: 2023.10.07 11:16:03 IST
Location: eProcurement System for Central PSUs

