



भारतीयविमानपत्तनप्राधिकरण

AIRPORTS AUTHORITY OF INDIA

सं.:/Ref. No. AAI/HYD/ENGG (E)/CW/2021-22/2737/2

दिनांक /Date: 17.03.2022

BY SPEED POST/E-MAIL

सेवा में/To,

**M/s. C.P Monchester Electricals,
D 60, Brindavan Nagar, Civil
Aerodrome post, Coimbatore,
Tamil Nadu - 641014.
E-mail Id: cpmonchesterele@gmail.com**

कार्यकानाम/ Name of Work : Construction of Building for FLIGHT SIMULATOR TRAINING DEVICE (FSTD) and allied facilities at Begumpet Airport, Hyderabad. SH: Provision of Electrical works including AC systems.

सं./Ref. 1. Bid Invitation No.2022_AAI_100908_1 Dated. 10.01.2022
2. Your E-tender (Envelope-II -Financial bid) opened on 09.02.2022

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 totaling to Rs.47,33,020/- (Rupees Forty Seven Lakhs Thirty Three Thousand and Twenty Only) excluding GST which is 24.74% below the Justified cost of Rs.62,89,046/- excluding GST.
2. The Jt. General Manager (Engg-E), AAI, Hyderabad Airport, Begumpet, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Jt. General Manager (Engg-E), AAI, Begumpet Airport, Hyderabad - 500 016 by 07.04.2022 to sign and complete contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One hundred only) and the cost of the stamp papers shall be borne by you.
3. The earnest money amount of Rs.1,25,781.00 (Rupees One Lakh Twenty Five Thousand Seven Hundred and Eighty One Only) received along with your tender will be treated as a part of security deposit as per the conditions of the contract document. Please deposit Rs.3,47,521/- (Rupees Three Lakhs Forty Seven Thousand Five Hundred and Twenty One only) towards balance 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 Clause No. 1A of contract document.
4. 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 and minimum wages act and rules there of Central and State Governments.

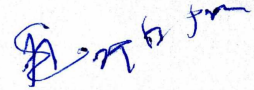
Contd.,

O/o Jt. General Manager (E-E) Airports Authority of India, Hyderabad Airport, Airport, Begumpet - 500016 Contact Details: 040-27907639 Email: elect_hyd@aai.aero;

5. You are also directed to contact Asst. General Manager (Engg-Elect), AAI, Begumpet Airport, Hyderabad 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)** month and same shall be reckoned from 10th day after issue of work order.
7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.
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.

अनुलग्नक/Encl :Schedule of Quantities

भवदीय/Yours Faithfully,



संयुक्त महाप्रबंधक (अभि-वि)/Jt. General Manager (Engg-E),
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman,
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India,
भा वि प्रा, हैदराबाद हवाई अड्डा/AAI, Begumpet Airport
Hyderabad- 500 016

हरभजन सिंह / HARBHAJAN SINGH

संयुक्त महाप्रबंधक (विद्युत विभाग) / Joint General Manager (Elec)

भारतीय विमानपत्तन प्राधिकरण / Airport Authority of India

बेगमपेट विमानक्षेत्र / Begumpet Airport

हैदराबाद-500016 / Hyderabad-500016

NOO:

में कॉपी / Copy to:-

1. The General Manager (CIC), AAI/Hyderabad Airport, Begumpet/
2. The Asst General Manager (Fin), AAI/ Hyderabad Airport, Begumpet - FC Dated 25.02.2022.
3. The Asst. General Manager (Engg-E), AAI/ Hyderabad Airport, Begumpet.
4. The Manager (Engg-E), AAI/ Hyderabad Airport, Begumpet.
5. File copy.

Validate Print Help

Item Rate BoQ

Tender Inviting Authority: Asst.General Manager(E-E), AAI, Hyderabad Airport, Begumpet.

Name of Work: Construction of Building for FLIGHT SIMULATOR TRAINING DEVICE (FSTD) and allied facilities at Begumpet Airport, Hyderabad.

SH: Provision of Electrical works including AC systems.

Contract No: 2022_AAI_100908_1

Name of the Bidder/ Bidding Firm / Company :	C P MONCHESTER ELECTRICALS							
PRICE SCHEDULE								
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT Excluding GST In Words
1	2	3	4	5	12	13	53	55
1	Supply of 3% core x 240 mm2 XLPE insulated and PVC sheathed Aluminium conductor armoured power cable of 1.1KV grade confirming to relevant IS 1554 / IS 7098 with upto date amendments etc, as required.	Item No 1	1800.00	Meter	INR	945.00	1701000.00	INR Seventeen Lakh One Thousand Only
2	Supplying of following size DWC HDPE pipe ISI marked conforming to IS 14930, Part II complete etc as required. a) 120 mm dia (OD-120 mm & ID-103 mm nominal)	Item No 2	748.00	Meter	INR	160.00	119680.00	INR One Lakh Nineteen Thousand Six Hundred & Eighty Only
3	Laying of following size DWC HDPE pipe including all accessories like socket, bend, couplers etc. 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. a) 120 mm dia (OD-120 mm & ID-103 mm nominal)	Item No 3	748.00	Meter	INR	140.00	104720.00	INR One Lakh Four Thousand Seven Hundred & Twenty Only
4	Laying of one number PVC insulated and PVC sheathed I XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. A) Above 185 sq. mm and upto 400 sq. mm.	Item No 4	40.00	Meter	INR	450.00	18000.00	INR Eighteen Thousand Only
5	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/DWC/HDPE pipe as required. a) Above 185 sq. mm and upto 400 sq. mm.	Item No 5	1310.00	Meter	INR	72.00	94320.00	INR Ninety Four Thousand Three Hundred & Twenty Only
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required. a) Above 185 sq. mm and upto 400 sq. mm.	Item No 6	70.00	Meter	INR	90.00	6300.00	INR Six Thousand Three Hundred Only
7	Providing, laying and fixing following dia G.I pipe (medium class) in ground complete with G.I fittings including trenching (75 cm deep) and re-filling etc. as required. a) 150 mm dia	Item No 7	125.00	Meter	INR	1500.00	187500.00	INR One Lakh Eighty Seven Thousand Five Hundred Only
8	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 aluminium conductor cable of 1.1 KV grade as required. a) 3.5 X 240 sq. mm	Item No 8	4.00	Set	INR	12000.00	48000.00	INR Forty Eight Thousand Only
9	Supplying and Making end termination with brass compression gland and aluminium lugs for following PVC insulated and PVC sheathed / XLPE insulated 1.1KV grade cables as required. a) 3.5 Core x 240 Sq. mm	Item No 9	4.00	Each	INR	2450.00	9800.00	INR Nine Thousand Eight Hundred Only
10	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	Item No 10	30.00	Cu.M	INR	1800.00	54000.00	INR Fifty Four Thousand Only
11	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	Item No 11	25.00	Cu.M	INR	4500.00	112500.00	INR One Lakh Twelve Thousand Five Hundred Only

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भारतीय विमानपत्तन प्राधिकरण / Airport Authority, India
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हैदराबाद-500016 / Hyderabad-500016

12	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.	Item No 12	2.00	Set	INR	7200.00	14400.00	INR Fourteen Thousand Four Hundred Only
13	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. himble excavation and re-filling as required.	Item No 13	12.00	Meter	INR	350.00	4200.00	INR Four Thousand Two Hundred Only
14	Supply, Installation, testing and commissioning of Indoor type, floor mounted, compartmentalized, cubical type panel board of 415 volts(nominal) extendable on both sides, fabricated out of 2mm thick cold rolled sheet steel, free standing & totally enclosed, weather proof/dust proof/vermin proof with bottom /top cable entries & cable alleys. The switch board shall be suitable for operation 3phase, 4 wire, 50HZ, A/C power supply and with busbars and following switchgear, instrumentation, protective devices etc., complete with connections, interconnections, earthing, painting and marking etc complete as required. For Incoming : a) 250 Amps, 4 Pole, MCCB having 36 KA breaking capacity, 200 - 250 Amps thermal release range - 03 Nos. (2Nos Incomers + 1 Nos Bus Coupler). b) Castle key arrangement for inter locking of switches for incoming power supply. For Outgoing : a) 100Amps 3 pole, MCCB having 36 KA breaking capacity, 80 -100amps thermal release range -- 04nos b) 63 amps DP MCB's -- 04 Nos c) 32 amps TP MCB's --- 04 Nos d) 6 to 32 amps Single pole 'C' MCB's --- 06 Nos e) 6 to 32 amps Single pole 'B' MCB's -- 06 Nos f) Timer switch ----- 01 Nos Metering : a) 0 -500volts ,Digital type voltmeter with selector switches along with control fuses(voltmeter shall have provision to read single phase voltage and 3phase voltage). b) 0 to 250amp Digital type Ammeter with 3nos CT'S of ratio 250/5amps and with selector switch, c) LED type Indicating Lamps for 03 phase and Control fuses to Monitor incoming power supplies. d) Aluminium busbar suitable for 250 Amps.Power terminals, gland plates, earth terminals etc.	Item No 14	1.00	Job	INR	333000.00	333000.00	INR Three Lakh Thirty Three Thousand Only
15	Supply of Water Cooler with inbuilt RO based water purification system with capacity 80 Ltrs (cooler storage capacity) and 50 LPH (purification capacity) similar make of Blue star Model no. SWCSDKX680ROA (stainless steel body with storage tank capacity of 80Ltrs, nominal cooling capacity 40 (Litres/hr), having two faucets, R-134A gas as refrigerant and reciprocating type compressor) complete with standard manufacture, design suitable for operation on 230 +/- 10 V, 50 Hz, AC supply.	Item No 15	2.00	Each	INR	65000.00	130000.00	INR One Lakh Thirty Thousand Only
16	Supply, Installation, testing and commissioning of minimum 4-Zone Conventional Fire Alarm Control Panel with all indications such as open, short, fire etc., built-in battery charger, including 2nos. of Sealed maintenance free batteries (Each 12V, 7AH) as per specification and complete as required. [From the List of approved makes]	Item No 16	1.00	Each	INR	18000.00	18000.00	INR Eighteen Thousand Only
17	Supply, Installation, testing and commissioning of Auto dialer unit with keypad having storage capacity of minimum 10 emergency numbers and one voice message and interconnection with Fire alarm control panel as per specification and complete as required. (NOTE: A EPABX-telephone connection is available in each site)	Item No 17	1.00	Each	INR	9000.00	9000.00	INR Nine Thousand Only
18	Supply, Installation, testing and commissioning of Conventional Photo Electric / Optical Smoke detector with mounting relay base as per specification and complete as required. [as per the list of approved makes]	Item No 18	25.00	Each	INR	2400.00	60000.00	INR Sixty Thousand Only
19	Supply, Installation, testing and commissioning of Manual Call point as per specification and complete as required. [as per the list of approved makes]	Item No 19	3.00	Each	INR	4500.00	13500.00	INR Thirteen Thousand Five Hundred Only
20	Supply, Installation, testing and commissioning of Outdoor Horn -strobe as per specification and complete as required. [as per the list of approved makes]	Item No 20	1.00	Each	INR	2700.00	2700.00	INR Two Thousand Seven Hundred Only
21	Supply and laying of following size solid copper conductor, XLPE insulated, PVC sheathed, armoured FRLS control copper cable of 650/1100V grade as per IS 7098(Part-1) 1988 and laying on surface complete as required. a) 2C x 1.5 Sq.mm	Item No 21	225.00	Meter	INR	180.00	40500.00	INR Forty Thousand Five Hundred Only


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22	Supply, Installing, Testing and Commissioning of Split type, 1.5 TR Airconditioner (cooling capacity: minimum 4500 Kcal/hr) of 5 star rating Inverter type Hi-Wall Split 1.5 Ton non ductable fan coil unit (indoor unit), condensing unit(outdoor unit) with rotary compressor suitable for operation on 1phase, 230V±10% , 50HZ, AC power supply including fixing the outdoor unit on a fabricated MS stand/wall Bracket/Brick foundation as per the site requirement . The supply of unit shall include the copper pipings , power cables for interconnecting between the indoor unit and out door unit as per standard manufacturer design (ie., up to 3 mtrs) including the drain pipes, first charge of refrigerant etc as required. (As per list of approved makes). a) Insulated copper pipe --- Liquid Line b) Insulated copper pipe ---- Suction Line c) 3 core x 2.5 sqmm PVC insulated copper wire. d) Suitable size of casing and capping/PVC pipe for covering the refrigerant line for above (a), (b) & (c) .	Item No 22	12.00	Each	INR	45400.00	544800.00	INR Five Lakh Forty Four Thousand Eight Hundred Only
23	Supply, installation, testing and commissioning of wall mounting type, 4 KVA Capacity, single phase, automatic line voltage stabilizer, suitable operation on 170 volts to 270 volts AC input ,200 volts to 240 volts AC output, single phase, 50Hz AC power supply with built in time delay, high voltage cut off, and low voltage cut off at 145 volts and input/output/trip indications and suitable for application of 1.5 Ton Air conditioning unit etc. as required.	Item No 23	12.00	Each	INR	2700.00	32400.00	INR Thirty Two Thousand Four Hundred Only
24	Supply and Installation of following copper pipe for suction and delivery line with all accessories suitable for 1-phase, 1.5TR Split AC's i/c Insulation, power & Control cabling etc. as required. a) Insulated copper pipe - Liquid line b) Insulated copper pipe - Suction c) 3C X 2.5 sqmm copper conductor cable d) Insulation Foam tubing for covering the refrigerant lines in (a) & (b)	Item No 24	32.00	Meter	INR	1200.00	38400.00	INR Thirty Eight Thousand Four Hundred Only
25	Supply, Installing, Testing and Commissioning of 11.0 TR Air Cooled Ductable Split Airconditioner equipped with Power Saving Imported SCROLL Compressor. Danfoss / Sporlan expansion Valve for optimal refrigerant feed, Galvanized Construction finished in polyester powder coat and suitable for operating on 415 V ,50Hz, 3-Ph AC Supply etc. as required at site including fixing the outdoor unit on a fabricated MS stand as per the site requirement .	Item No 25	2.00	Nos	INR	225000.00	450000.00	INR Four Lakh Fifty Thousand Only
26	Supply and Installation of following copper pipe for suction and delivery line with all accessories suitable for 3-phase, 11.0 TR Ductable AC's i/c Insulation, power & Control cabling etc. as required. a) Insulated copper pipe - Liquid line b) Insulated copper pipe - Suction c) Copper conductor cable d) Insulation Foam tubing for covering the refrigerant lines in (a) & (b)	Item No 26	50.00	Meter	INR	1500.00	75000.00	INR Seventy Five Thousand Only
27	Fabrication and installation of Galvanised steel sheet supply air ducting with proper supports from the slab as per standard. a). 24 G	Item No 27	100.00	Sq.mtr	INR	1500.00	150000.00	INR One Lakh Fifty Thousand Only
28	Fabrication and installation of Galvanised steel sheet supply air ducting with proper supports from the slab as per standard. b). 22 G	Item No 28	25.00	Sq.mtr	INR	1500.00	37500.00	INR Thirty Seven Thousand Five Hundred Only


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29	Providing and Installation of Canvass Connection at the outlet of the indoor units	Item No 29	2.00	Nos	INR	9000.00	18000.00	INR Eighteen Thousand Only
30	Insulation of duct with Closed cell Elastomeric Nitrile Rubber foam, density not less than 50 kg/m3 , class 1, with factory applied reinforced aluminium foil facing on one side. a) 13mm thick	Item No 30	120.00	Sq.Mtr	INR	600.00	72000.00	INR Seventy Two Thousand Only
31	Supply & fixing of 10mm thick open cell Accoustic Insulation of Density not less than 140kg/m3.	Item No 31	25.00	Sq.Mtr	INR	2000.00	50000.00	INR Fifty Thousand Only
32	Supply and erection of Aluminium powder coated Supply air Grilles with Coller control dampers.	Item No 32	5.00	Sq.Mtr	INR	3500.00	17500.00	INR Seventeen Thousand Five Hundred Only
33	Supply and erection of Aluminium powder coated Return air Grilles without control dampers.	Item No 33	5.00	Sq.Mtr	INR	3500.00	17500.00	INR Seventeen Thousand Five Hundred Only
34	Supply and installation of Under Deck Insulation for FSTD room with 2 inch thick thermocol sheets.	Item No 34	65.00	Sq.Mtr	INR	900.00	58500.00	INR Fifty Eight Thousand Five Hundred Only
35	Supply and erection of Feasible link Fire damper	Item No 35	2.00	Sq.Mtr	INR	4500.00	9000.00	INR Nine Thousand Only
36	Supply and Installation of following size PVC pipe for drain line with all accessories, etc. as required. a) 20 mm dia	Item No 36	62.00	Meter	INR	150.00	9300.00	INR Nine Thousand Three Hundred Only
37	Supply and fixing of Dust Air Purifier suitable for a 49 square meter facility to avoid accumulation of dust particles on the FSTD/UPS/Battery room especially the Mylar Mirror of the Visual Display System etc as required. (Model No.AP4200AN - HEPA + Microbe Sterilize (UV).	Item No 37	4.00	Each	INR	9000.00	36000.00	INR Thirty Six Thousand Only
38	Supply and Installation of ISI marked following capacity and type Fire extinguishers complete with all accessories as per manufacturer standard like valve, discharge hose, pipe , horn and initially filled material etc. as applicable and suitable for ready operation confirming to technical specifications complete as required. a) CO2 type Fire Extinguisher of capacity 4.5 kgs.	Item No 38	4.00	Each	INR	9000.00	36000.00	INR Thirty Six Thousand Only
Total in Figures							4733020.00	INR Forty Seven Lakh Thirty Three Thousand &Twenty Only
Quoted Rate in Words		INR Forty Seven Lakh Thirty Three Thousand &Twenty Only						


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