



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG/ELECT/AMED-II/Cable-Laying/2021-22/A-05

Date: 14.02.2022

To
M/s. HRI Associates,
F-32, SEC - 10 Rajnagar,
Ghaziabad,
Uttara Pradesh 201002.

Name of Work: Miscellaneous Electrical Works at Chennai Airport. SH: Providing Standby LT Power Supply at T1 & T4 Carpark area external installations at Chennai Airport, Chennai – BALANCE WORK.

Ref.: 1. Tender ID: 2021_AAI_99470_1
2. Your E-Tender Opened on 06.01.2022

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. 16,99,400.00 (Rupees Sixteen Lakhs Ninety-Nine Thousand Four Hundred Only) Excluding GST.** Which is **26.97%** below the Estimated cost put to tender of **Rs. 23,27,012.00 (Rupees Twenty-Three Lakhs Twenty-Seven Thousand Twelve Only) Excluding GST.**
2. Joint General Manager Engineering (Elec.), EMD, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600016 shall be the Engineer-in Charge of the work. You are requested to attend the office of the Joint General Manager Engineering (Elect.), EMD, AAI, Chennai Airport by 27.02.2022 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs.100/- (Rupees Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit the amount of Rs.1,69,940.00 (Rupees One Lakh Sixty-Nine Thousand Nine Hundred and Forty Only) towards Security Deposit within 10 days from the date of issue of this letter failing which the same will be deducted as per conditions of clause 1A of the 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.



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5. You are also directed to contact Manager Engineering (Electrical) Airport Maintenance Electrical Division II, Operational Office, Airports Authority of India, Chennai Airport immediately who will arrange to hand over the site to you.
6. Please Note the time allowed for carrying out the work shall be 02 (Two) Months and same shall be reckoned from 7th day of 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.

Yours faithfully,

(S. NATARAJAN)

Jt. General Manager (Engg. -Elect.)-III,
AAI Chennai.

Encl.: Schedule of Quantities (03 pages)



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AIRPORTS AUTHORITY OF INDIA
चेन्नै ऐयरपोर्ट:: चेन्नै 600 016
CHENNAI AIRPORT:: CHENNAI 600 016

SCHEDULE OF QUANTITIES

NAME OF WORK : Miscellaneous Electrical Works at Chennai Airport.

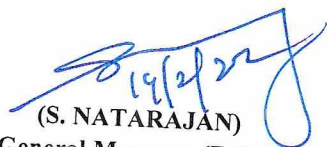
SH: Providing Standby LT Power Supply at T1 & T4 Carpark area external installations at Chennai Airport, Chennai - Balance Work.

Sl. No.	Description of Items	Qty	Rate	Unit	Amount
SITC of feeder pillar, SITC of Change over Switch, cable laying, End Termination and Earthing etc.					
1	Fabrication, Supply, Installation, Testing & Commissioning of Outdoor MV Feeder Pillar Panel with IP65 double door arrangement, outer shell made up of 3mm and inner front, top covers and partitions made up of 2mm CRCA sheet steel, door dust tight, vermin proof, totally enclosed, cubicle type, floor mounting, free standing, including providing and fixing 400A Aluminium Bus bar with all accessories welding and earthing suitable for operation at 433 V, 3 phase, 4 wire, 50 Hz, A.C. Power Supply System complete with all accessories, interconnection, connection, earthing, painting, grouting, providing pedestal, Cable Entry provision etc. as required i/c. dismantling the old panel and handed over to AAI store and providing required brick pedestal etc. complete and comprising of following:- a. 200Amps ON Load Change over Switch and 200A, 35 KA, 4P MCCB with Thermal magnetic releases as incomer with R,Y,B,ON, OFF, TRIP indication lamps, resin cast CT's with multifunction meter - 1 set as b. 63A, 25KA, 4P MCCB with thermal magnetic releases as incomer with ON, OFF, TRIP indication lamps, resin cast CT's with digital meter as outgoing - 6 Sets. As outgoing. c. TP contact MNX80, L&T or equivalent contractor with 24 hrs. digital timer along with 2A, SP MCB and control wiring for Street light/Hi-mast lighting control - 1 set. with all necessary accessories etc. complete as required. (a to c above)	1 Job	2,95,000.00	Job	2,95,000.00
2	Supply and fixing of 100amps Four pole ON Load Change over switch including Extendable handle in the existing feeder pillar including connection etc., as required L&T make Cat No.CO110000000 or equivalent etc., as required.	4 Nos	25,000.00	Each	1,00,000.00
3	Supply and fixing of 200amps Four pole ON Load Change over switch including Extendable handle, in the existing feeder pillar including connection etc., as required. L&T make Cat No. CO22000000A or equivalent etc., as required.	2 Nos	25,000.00	Each	50,000.00

Sl. No.	Description of Items	Qty	Rate	Unit	Amount
4	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.				
	a) OD - 63mm (Nominal) & ID-51mm (Nominal)	500 Mtrs	100.00	Metre	50,000.00
	b) OD - 120mm (Nominal) & ID-103mm (Nominal)	300 Mtrs	125.00	Metre	37,500.00
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 pipe as required.				
	a) Upto 35 sq. mm	400 Mtrs	35.00	Metre	14,000.00
	b) Above 35 sq. mm and upto 95 sq. mm	450 Mtrs	45.00	Metre	20,250.00
6	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 as required.				
	a) up to 35 sq. mm (clamped with 1mm thick saddle)	300 Mtrs	55.00	Metre	16,500.00
	b) Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	120 Mtrs	65.00	Metre	7,800.00
7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
	a) Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	200 Mtrs	65.00	Metre	13,000.00
8	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE armoured aluminium conductor cable of 1.1 KV grade as required.				
	a) 3.5 x 35 Sq.mm.	16 Sets	250.00	Set	4,000.00
	b) 3.5 x 50 Sq. mm.	4 Sets	300.00	Set	1,200.00
	c) 3.5 x 70 Sq.mm.	4 Sets	350.00	Set	1,400.00
	d) 3.5 x 95 Sq.mm.	10 Sets	400.00	Set	4,000.00
9	Supply and making straight through cable joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated PVC sheathed/XLPE Aluminium conductor power cable of 1.1KV grade as required.				
	a) 3.5 x 35 Sq.mm.	4 Jobs	2,500.00	Job	10,000.00
	b) 3.5 x 50 sq.mm	2 Jobs	3,000.00	Job	6,000.00
	c) 3.5 x 70 sq.mm	2 Jobs	3,500.00	Job	7,000.00
	d) 3.5 x 95 sq.mm	4 Jobs	4,000.00	Job	16,000.00
10	Providing & Laying of 100mm dia 'B' class G.I pipe with GI fittings i/c Concrete road cutting, excavation, laying the G. I Pipe in depth of 30cm, re-filling with cement concrete 1:2:4 and making good the same etc., as				
	a) 100 mm dia.	125 Mtrs	1,125.00	Metre	1,40,625.00
11	Providing & Laying of 100mm dia 'B' class G.I pipe with GI fittings i/c cutting Bituminous surface, (30cm deep) re-filling with cement concrete and making good surface the same as required.				
	a) 100 mm dia.	125 Mtrs	1,125.00	Metre	1,40,625.00

Sl. No.	Description of Items	Qty	Rate	Unit	Amount
12	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, 20mm GI watering pipe of 2.7 metre long and 40mm GI Pipe of 2.7metre long for supply and laying of 25 X 5mm thick copper strip with charcoal/ coke and salt etc., as required.	25 Jobs	15,000.00	Job	3,75,000.00
13	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for cable chamber, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mmnominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design etc., as required.	20 Jobs	8,000.00	Job	1,60,000.00
14	Supplying and laying 25 mm X 3 mm thick copper strip inside of 40mm G.I. Pipe ground/surface as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by bolt & spring washer spaced at 50mm) overlapping and with 2 sets of brass nut etc., as required.	120 Mtr	850.00	Metre	1,02,000.00
15	Providing and fixing 25mm X 3mm copper strip on surface or in recess for connections etc., as required.	150 Mtr	650.00	Metre	97,500.00
16	Replacement of existing broken and damaged RCC/CI earth pit enclosure with new 10mm thick MS chequered cover plate having locking arrangement with providing and fixing suitable size base frame on the existing earth pit chamber including civil works and making good surface the same etc., as required.	25 Job	1,200.00	job	30,000.00
				Total Rs.	16,99,400.00

(Rupees Sixteen Lakhs Ninety Nine Thousand Four Hundred Only)
(Excluding GST)


 (S. NATARAJAN)
 Jt. General Manager (E-E) - III