



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



संदर्भ सं.: / Ref. No.:

दिनांक: / Dated:

Ref No: AAI/RHQ/SR/ENGG/AGM(E)-IV/WO-10/2019-20/80

Date: 13.02.2020

To,

M/s.Chennai Engineering Services
Plot no:30, Door no:1-536,
Krishna Nagar 1st street,
Manapakkam,
Chennai- 600125.

Name of Work : Provision of Split Type Air Conditioners for ELPA Centre and other locations at ATS complex, Chennai Airport.

REF: 1. AAI Tender Id: 2020_AAI_39770_1
2. Tender (Price Bid) dated: 31.01.2020

Dear Sirs,

1. Your 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.9,09,477/-** (Rupees Nine Lakhs Nine Thousand Four Hundred and Seventy Seven Only) **plus applicable GST @ 28%** which is **1.08% below** the Justified cost of **Rs.9,19,379 /-** plus applicable GST @ 28%.
2. Jt. General Manager Engg (E) AAI, New Operational Office, Southern Region, Chennai Airport, Chennai shall be Engineer – in – charge of the work. You are requested to attend this office by 27.02.2020 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 cost of the stamp paper shall be borne by you.
3. **EMD Rs.18,500.00** in the form of demand draft submitted by you will be converted as part of security deposit and please deposit **Rs.72,448.00 /-** (Rupees Seventy Two Thousand Four Hundred and Forty Eight only) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your running bills as per the Clause of 1-A of Clauses of Contract.
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 Asst. General Manager (Engg-E)-IV, 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 **01(One) Month** and same shall be reckoned from issue of this letter.
7. Any further correspondence in connection with the contract should normally be addressed to the Asst. General Manager Engg (E) - IV, AAI, New Operational Office, Southern Region, Chennai Airport.
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.

Thanking you,

Encl: 1) Schedule of Quantities – Schedule 'A'

Yours faithfully,


13/2/2020

Asst. General Manager Engg (E)-IV
AAI, RHQ-SR, Chennai Airport

**AIRPORTS AUTHORITY OF INDIA
SOUTHERN REGION
CHENNAI AIRPORT
CHENNAI - 600 027**

Schedule of Quantities

Schedule-A

Name of work :Provision of split Type Air Conditioners for ELPA centre and other locations at ATS Complex, Chennai Airport.

Sl. No	Item Description	Unit	Qty	Basic Rate (Excluding GST)	Total Amount (Excluding GST)
1	Supply of single phase minimum 1.5 ton 5 star rating Split Air conditioner of wall mounting inverter type consisting of non-ductable single type room evaporator unit (copper coil) with cordless remote control and one number outdoor condensing unit comprising of compressor and Refrigerant R410A/R32, suitable for operation on 230V, 50Hz. AC supply i/c supply of all accessories i.e copper pipe, interconnecting cable, drain pipe, full charge of refrigerant etc., as required.	Each	3	39999.00	119,997.00
2	Supply of single phase minimum 2 ton 5 star rating Split Air conditioner of wall mounting inverter type consisting of non-ductable single type room evaporator unit (copper coil) with cordless remote control and one number outdoor condensing unit comprising of compressor and Refrigerant R410A/R32, suitable for operation on 230V, 50Hz. AC supply i/c supply of all accessories i.e copper pipe, interconnecting cable, drain pipe, full charge of refrigerant etc., as required.	Each	7	49999.00	349,993.00
3	Installation, testing and commissioning of single phase 1.5/2 Ton split airconditioner of high wall mounting type with minimum 5 star rating including fixing the condenser unit on raising stand and fixing of evaporator unit including providing and making inter connections between evaporator unit and condensor unit up to a length of 3 mtrs etc. as required.	Job	10	1269.00	12690.00
4	Supply and fixing of following for interconnections between evaporator unit and condensing unit (extra length) for 1.5/2 ton Ac, as required as per OEM. i. 1/4"dia copper pipe with insulation or as per OEM. ii. 1/2" copper pipe with insulation or as per OEM. iii. 2 x 2.5 sq. mm + 1.5 sq.mm copper conductor cable or as per OEM.. iv. Rigid PVC pipe / PVC Trunking of suitable size for covering the refrigerant line for above.	Meter	210	899.00	188790.00

Sl. No	Item Description	Unit	Qty	Basic Rate (Excluding GST)	Total Amount (Excluding GST)
5	Supply and installation of drain PVC pipe 25mm dia with insulation on the existing wall or as per OEM specifications etc as required	Meter	163	109.00	17767.00
6	Supply of 4 KVA Voltage stabilizer wall mounting type suitable for 1.5 ton split unit with in put volt range 170V to 270 V & output 220 +10% etc., as required	Set	3	1279.00	3,837.00
7	Supply of 5 KVA Voltage stabilizer wall mounting type suitable for 2 ton split unit with in put volt range 170V to 270 V & output 220 +10% etc., as required	set	7	1439.00	10,073.00
8	Supply and Installation of MS stand with painting for minimum 1.5/2 ton outdoor unit etc as required.	Set	10	899.00	8,990.00
	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed , armoured aluminium conductor power cable confirming to IS 7098 (part 1) with upto date ammendments.				
9	4 Core X16 sq.mm	Meter	50	99.00	4,950.00
	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed , armoured copper conductor power cable confirming to IS 7098 (part 1) with upto date ammendments.				
10	3 Core X10 sq.mm	Meter	45	299.00	13,455.00
11	Providing and fixing of 8 SWG copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit /sub main wiring /cable as etc required.	Meter	50	79.00	3,950.00
12	Laying and fixing of one number XLPE/PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle)	Meter	95	29.00	2,755.00
	Supplying and making end termination with double brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required.				

Sl. No	Item Description	Unit	Qty	Basic Rate (Excluding GST)	Total Amount (Excluding GST)
13	4C X 16sqmm	Set	2	349.00	698.00
	Supplying and making end termination with double brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.				
14	3C X 10 sqmm	Set	4	299.00	1,196.00
15	Supplying and fixing of 8 way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of minimum 120 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc as required (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required) 8 way Double door	Job	1	6999.00	6,999.00
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 12 way Double Door(2+6 way DB)	Job	2	999.00	1,998.00
17	Supplying and fixing following rating, 415 volts, Four pole MCB, C curve in the existing MCB DB complete with connections, testing and commissioning etc., as required. i) 63A FP MCB	Each	1	1299.00	1,299.00
18	Supplying and fixing following rating, 415 volts, triple pole MCB, C curve in the existing MCB DB complete with connections, testing and commissioning etc., as required. i) 6A to 32A TP MCB	Each	2	699.00	1,398.00

Sl. No	Item Description	Unit	Qty	Basic Rate (Excluding GST)	Total Amount (Excluding GST)
19	Supplying and fixing of 40 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. i) 40A Doble Pole MCB	Each	2	699.00	1,398.00
20	Supplying and fixing of 6 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. i) Double pole MCB	Each	3	499.00	1,497.00
21	Supplying and fixing of 6 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. i) Single pole MCB	Each	36	179.00	6,444.00
22	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class pvc conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	119	199.00	23,681.00
23	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps 'C' series, SP MCB in sheet steel enclosure, on surface or in recess with chained metal cover for the socket out let and complete with connection, testing and commissioning etc., as required	Each	10	1299.00	12,990.00
24	Supply of Recess mounted minimum 34W LED luminaire (2 ft x 2ft) with lumens of Minimum 100 lum/watt, with all accessories including drivers etc, all prewired up to terminal block suitable for operation on 230V, 50Hz AC supply etc as required.	Each	30	2599.00	77,970.00
25	Installation, testing and commissioning of 2 X 2 LED panel type fittings , of all types complete with all accessories on false ceiling with chain link, including connections with 1.5 sq.mm PVC insulated, copper conductor, single core cable etc., as required.	Job	26	199.00	5,174.00
26	Making the hole in the RCC slabs/walls with dia of 150 mm dia upto 250 mm depth by core cutting machine for Copper piping of A/C units etc as required.	Job	12	799.00	9,588.00

Sl. No	Item Description	Unit	Qty	Basic Rate (Excluding GST)	Total Amount (Excluding GST)
27	Providing and fixing double scaffolding system (cup lock type) on the interior side, upto seven story height made with 40mm dia M.S tube 1.5m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. Tubes, M.S tube challies, M.S clamps and M.S staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per direction and approval of EIC. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding.	sqmtr	100	199.00	19,900.00
Total amount excluding GST is Rs.					909,477.00
Add: GST @ 28 % is Rs.					254,653.56
Total Amount including 28% GST is Rs.					1,164,131.00
(Rupees Eleven Lakhs Sixty Four Thousand One Hundred and Thirty One Only)					

R/
13/02/2020

Asst General Manager (Engg-E)-IV
AAI,SR, Chennai Airport