

BY SPEED POST/ email

WORK ORDER

To,

**M/s. Tejal Engineers Pvt Ltd,
B-156, 4th Floor, New Ashok Nagar,
New Delhi-110096.**

**Name of Work: Facility Management of HVAC Installations at Terminal Buildings at CIA.
SH: Rate Contract for HVAC Installations at Terminal buildings at
Chennai International Airport for Period of TWO Years (2021-23).**

Ref:

1) Your e-tender price bid opened on 19.03.2021.

Dear Sirs,

1. Your e tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the items rates quoted by you totaling to Rs.37,41,350.00 (Rupees Thirty Seven Lakhs Forty One Thousand Three Hundred and Fifty only)-excluding GST, which is 15.45 % below the AAI justified cost of Rs.44,24,820.00(excluding GST).
2. Joint General Manager (Engineering-Electrical)-II, AMED, AAI, Chennai Airport, shall be the Engineer-in charge of the work. You are requested to attend the office of Jt. Gen. Manager (Engg-Elect)-II, AMED, AAI, Chennai Airport by 01.07.2021 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 One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit an amount of Rs. 3,74,135.00 (Rupees Three Lakhs Seventy Four Thousand One Hundred and Thirty Five Only) towards Security deposit within 10 days from the date of issue of this letter failing which is the same will be deducted as per conditions of Clause 1A of page 16 of 132 of GCC of the e-tender 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.
5. You are also requested to contact the Asst.Gen.Manager (Engg-Elect), AMED-VIII immediately who will arrange to handover the site to you.
6. Please note that the time allowed for carrying out the work shall be **02 (Two) Years with effect from 01.07.2021.**

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.
9. All other terms and conditions shall be as per agreement.

Encl: Work Order Schedule (03 pages).

Yours faithfully,



(W.FRANCIS XAVIER)
Jt. General Manager (Engg.-Elect.)-II
AAI, Chennai Airport.

WORK ORDER SCHEDULE

Name of Work: Facility Management of HVAC installations at Terminal buildings at CIA. SH: Rate contract for HVAC Installations at Terminal buildings at Chennai International airport for a period of TWO years(2021-23).

Contract No: 2021/AAI/CIA/AMED-8/CPP-1/RC

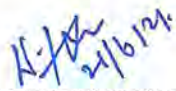
Tender Id: 2021_AAI_71599_1

SCHEDULE OF WORK

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Tejal engineers pvt ltd(GSTN-07AAECT8132F1ZE)	
				Rate	Amount
1.00	Replacement of existing damaged M S Class 'C' / MS ERW, insulated chilled water pipe lines of following sizes (nominal Dia) along with all necessary accessories such as vibration isolators bends, reducers, tees, supports, flow indicators and fixing clamps of suitable size and thermally insulated with specified insulation materials etc., inside the Terminal building / masonry ducts including dismantling of damaged pipe lines and replacing with new insulated pipe lines, testing and commissioning etc., as per technical specification complete as required				
1.01	100 mm dia	50.00	Metre	1150.00	57500.00
1.02	65 mm dia	10.00	Metre	1050.00	10500.00
1.03	50 mm dia	10.00	Metre	850.00	8500.00
2.00	Replacement existing faulty / damaged Butterfly valves of following sizes having cast iron body, cast bronze/ stainless steel disc, duly insulated with same specifications as that of connected piping complete with companion flanges with new bolt nuts, new gaskets, including dismantling of faulty / damaged butterfly valves and replacing with new one, re-insulation, testing and commissioning etc. as per technical specification complete as required.				
2.01	80 mm dia	5.00	Jobs	4000.00	20000.00
2.02	100 mm dia	12.00	Jobs	4800.00	57600.00
2.03	125 mm dia	4.00	Jobs	5000.00	20000.00
2.04	150 mm dia	2.00	Jobs	5000.00	10000.00
3.00	Replacement of existing damaged M S Class 'C' / MS ERW, condenser water pipe lines of following sizes (nominal Dia) with necessary clamps, vibration isolators bends, reducers, tees, supports, flow indicators etc as per specification including dismantling of damaged pipe lines and replacing with new pipe lines, testing and commissioning etc., as per technical specification complete as required.				
3.01	350 mm dia	20.00	Metre	3150.00	63000.00
3.02	150 mm dia	25.00	Metre	1250.00	31250.00
4.00	Replacement of existing faulty / damaged butterfly valves of Motorized type 350mm size complete with cast iron body, cast bronze/ stainless steel disc, companion flanges, new bolt nuts, new gaskets, including dismantling of faulty / damaged butterfly valves and replacing with new one, testing and commissioning etc. as per technical specification complete as required,	3.00	Jobs	115000.00	345000.00
5.00	Replacement of existing damaged G.S.S square / rectangular ducting of following thickness, to be fabricated at site complete with gaskets, elbows, splitters, vanes, supports including dismantling of damaged duct and replacing with new one, etc as per technical specification complete as required.				
5.01	18 gauge	10.00	Sq.Metre	1300.00	13000.00
5.02	20 gauge	100.00	Sq.Metre	1150.00	115000.00
5.03	22 gauge	200.00	Sq.Metre	1050.00	210000.00
5.04	24 gauge	150.00	Sq.Metre	950.00	142500.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Tejal engineers pvt ltd(GSTN-07AAECT8132F1ZE)	
				Rate	Amount
6.00	Replacement of existing damaged Thermal insulation, aluminium foil faced resin bonded fibre glass insulation of following thickness (on duct) of density 24kg/cu.m after applying two coats of cold setting adhesive (CPRX compound) sealing all joints with self adhesive aluminium tape, covered with G.I. wire mesh netting on the outside, including dismantling of damaged insulation and replacing with new insulation, complete etc. as per technical specification as required.				
6.01	25 mm thick	150.00	Sq.Metre	600.00	90000.00
6.02	50 mm thick	200.00	Sq.Metre	1200.00	240000.00
7.00	Replacement of existing damaged XLPE insulation of following thickness (on duct) of density 24 kg/cu.m, Class'O' after applying suitable adhesive sealing all joints with self adhesive aluminium tape, including dismantling of damaged insulation, necessary cleaning of duct surface and replacing with new insulation, complete etc. as per technical specification complete as required.				
7.01	13 mm thick	200.00	Sq.Metre	500.00	100000.00
7.02	25 mm thick	400.00	Sq.Metre	850.00	340000.00
8.00	Replacement of existing damaged Nitrile rubber insulation of following thickness (on duct) of density 24 kg/cu.m, Class'O' after applying suitable adhesive, sealing all joints with self adhesive aluminium tape, including dismantling of damaged insulation, necessary cleaning of duct surface and replacing with new insulation, complete etc. as per technical specification complete as required.				
8.01	13 mm thick	200.00	Sq.Metre	500.00	100000.00
8.02	25 mm thick	400.00	Sq.Metre	850.00	340000.00
9.00	Replacement of existing blocked / damaged AHU Cooling coils of the following specifications i/c necessary modification of Chilled water pipe connection, insulation, including dismantling of blocked/ damaged cooling coil and replacing with new cooling coil, testing, commissioning etc., as per technical specification complete as reqd. No. of Rows = 6, Size of Copper Header = Minimum 2 inch dia Size of Copper pipe = 1/2 inch dia Thickness of copper pipe = 0.42mm Thickness of Aluminium fin = 0.15mm No. of Fins = 4.7 Nos/cm	15.00	Sq.Metre	70000.00	1050000.00
10.00	Replacement of following size existing rusted Volume control dampers made of 16 SWG thick GI sheet, box type, low leakage, opposed blades, suitable links, levers and quadrants as required for their proper operation, control or setting devices, position indicating device, including dismantling of rusted Volume Control dampers and replaced with new one, testing and balancing, etc. as per technical specification complete as required.				
10.01	Upto 0.50 Sqm	5.00	Jobs	3000.00	15000.00
10.02	From 0.51 to 1.00 Sqm	3.00	Jobs	5500.00	16500.00
10.03	From 1.01 to 1.50 Sqm	3.00	Jobs	7500.00	22500.00
10.04	From 1.51 to 2.25 Sqm	3.00	Jobs	9000.00	27000.00
11.00	Buffing / Polishing for the column diffusers made of perforated stainless steel having approximate surface area of 11 Square meter, installed in Check-in & Security hold area at Domestic & International terminal buildings using suitable buffing compound as per technical specification complete as required.	15.00	Jobs	3000.00	45000.00
12.00	Dismantling, Rewinding & Refixing of following motors of Smoke extractor fans installed at roof of terminal buildings and Air curtains i/c replacement of old bearings with new bearings, Painting of motor and as per technical specification complete as required.				
12.01	3 Phase 5 HP Motor (for smoke extractor fan)	10.00	Jobs	5500.00	55000.00
12.02	Single Phase upto 0.75 HP Motor	2.00	Jobs	5500.00	11000.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Tejal engineers pvt ltd(GSTN-07AAECT8132F1ZE)	
				Rate	Amount
12.03	Single Phase upto 0.50 HP Motor	4.00	Jobs	5000.00	20000.00
12.04	Single Phase upto 0.33 HP Motor	4.00	Jobs	4500.00	18000.00
13.00	Replacement of existing worn out bearings of following capacity 3 Phase Motors of Smoke Extractor fans installed at roof of terminal buildings and Single Phase motors of Air curtains at terminal buildings with necessary cleaning, lubricating, alignment, including dismattling the worn out bearing and replace with new one, etc. as per technical specification complete as required.				
13.01	3 Phase 5 HP Motor (for smoke extractor fan)	5.00	Jobs	2500.00	12500.00
13.02	Single Phase upto 0.75 HP Motor	2.00	Jobs	2500.00	5000.00
13.03	Single Phase upto 0.50 HP Motor	6.00	Jobs	2500.00	15000.00
13.04	Single Phase upto 0.33 HP Motor	6.00	Jobs	2500.00	15000.00
14.00	Fabrication, Supply and fixing of MS supports, frames for chilled water pipelines, Condenser water pipelines, Cooling towers and ducts from floor and ceiling with 'L' angle, 'C' section, 'T' section, MS Plates, threaded rod, etc as required including necessary welding, anchor fastener (wherever required), one coat of primer painting & two coat of enamel painting of approved color etc, as per specifications.	1000.00	kg	100.00	100000.00
	Total in Figures (excluding GST)			Rs.	3741350.00
	Rupees Thirty Seven Lakhs Forty One Thousand Three Hundred and Fifty only (excluding GST).				


(W.FRANCIS XAVIER)
Jt. General Manager (Engg.-Elect.)-II
AAI, Chennai Airport.

