



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

Ref.No: AAM/ENGG/AMED-VIII/W.O-1/RC/2022-23/A- 24/410

Dated: 27.07.2022

BY SPEED POST/ email

WORK ORDER

To,

M/s. Delite Systems Engineering (I) Pvt. Ltd.,
No.34 'B' Wing Ground Floor,
Guru Gobind Singh Industrial Premises,
Goregaon(E), Mumbai-400 063.

Name of Work: Facility Management of HVAC Installations at Terminal Buildings at CIA for the year 2022-23. SH: Rate Contract for HVAC Installations at Terminal buildings at Chennai International Airport.

Ref:

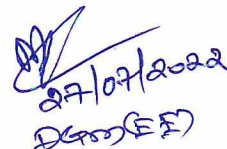
1) Your e-tender 2022_AAI_116722_1 price bid opened on 06.07.2022.

Dear Sirs,

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.60,70,842.00 (Rupees Sixty Lakhs Seventy Thousand Eight Hundred and Forty-Two only)-excluding GST, which is 4.87 % above the AAI justified cost of Rs.57,89,112.00 (Excluding GST).
2. Deputy General Manager (Engineering-Electrical)- III, AMED, AAI, Chennai Airport, shall be the Engineer-in charge of the work. You are requested to attend the office of Deputy Gen. Manager (Engg-Elect)-III, AMED, AAI, Chennai Airport by 05.08.2022 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 One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit an amount of Rs.6,07,084.00 (Rupees Six Lakhs Seven Thousand and Eighty-Four 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 IA 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.

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फैक्स: 044 - 2256 0008 ई पी ए बी एक्स: 2256 0551, चेन्नई हवाई अड्डे, चेन्नई - 600 027.
Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai - 600 027.


27/07/2022
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भारतीय विमानपत्तन प्राधिकरण



AIRPORTS AUTHORITY OF INDIA

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 01 (One) Year with effect from 01.08.2022.
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,


(M. Krishnamoorthy)

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

WORK ORDER SCHEDULE

Name of work : Facility Management of HVAC installations at Terminal buildings at CIA for the year 2022-23.

SH: Rate contract for HVAC Installations at Terminal buildings at Chennai International airport .

Sl No	Description of item	Qty	Unit	Rate of M/s Delite Systems Engg.(I) Pvt.Ltd.	Amount
	PIPING : (CHILLED WATER)				
1	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				
i	100 mm dia	30	RM	2,799.00	83,970.00
iii	65 mm dia	10	RM	2,199.00	21,990.00
iii	50 mm dia	10	RM	1,799.00	17,990.00
	PIPING: (CONDENSER WATER)				
2	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				
i	350 mm dia	10	RM	9,999.00	99,990.00
ii	150 mm dia	15	RM	3,999.00	59,985.00
iii	100 mm dia	100	RM	2,799.00	279,900.00
iv	65 mm dia	50	RM	1,999.00	99,950.00
3	Replacement of 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.	2	Jobs	175,999.00	351,998.00
	DUCTING:				
4	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.				
i	18 gauge	10	Sqm	2,999.00	29,990.00
ii	20 gauge	50	Sqm	2,499.00	124,950.00
iii	22 gauge	100	Sqm	2,200.00	220,000.00
iv	24 gauge	50	Sqm	1,999.00	99,950.00

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	INSULATION:				
5	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.				
	i 25 mm thick	50	Sqm	1,999.00	99,950.00
	ii 50 mm thick	100	Sqm	1,999.00	199,900.00
6	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				
	i 13 mm thick	100	Sqm	1,990.00	199,000.00
	ii 25 mm thick	150	Sqm	2,100.00	315,000.00
7	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				
	i 13 mm thick	100	Sqm	1,999.00	199,900.00
	ii 25 mm thick	150	Sqm	2,200.00	330,000.00
8	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	20.00	Sqm	89,000.00	1,780,000.00
9	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				
	i Upto 0.50 Sqm	5	Jobs	5,999.00	29,995.00
	ii From 0.51 to 1.00 Sqm	3	Jobs	9,000.00	27,000.00
	iii From 1.01 to 1.50 Sqm	3	Jobs	14,999.00	44,997.00
	iv From 1.51 to 2.25 Sqm	3	Jobs	14,999.00	44,997.00

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10	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.	10	Jobs	19,000.00	190,000.00
11	Dismantling, Rewinding & Refixing of 3 Ph, 5 Hp capacity motors of Smoke extractor fans installed at roof of terminal buildings i/c replacement of old bearings with new bearings, Painting of motor and as per technical specification complete as required.	10	Jobs	15,000.00	150,000.00
12	Replacement of existing worn out bearings of 3 Phase, 5 HP capacity Motors of Smoke Extractor fans installed at roof of terminal buildings i/c necessary cleaning, lubricating, alignment, including dismatling the worn out bearing and replace with new one, etc. as per technical specification complete as required.	10	Jobs	16,999.00	169,990.00
13	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, 'I' 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	Kg	150.00	150,000.00
14	Painting of Angles, frames of chilled water pipelines, Condenser water pipelines, Cooling towers and ducts from floor and ceiling with 'L' angle, 'C' section, 'I' section, MS Plates, threaded rod, etc with one coat of primer painting and two coat of enamel paint of approved colour etc as required .	250	Sqmt	369.00	92,250.00
15	ITC of of existing dismantled Aircurtains of following size at Entry, Exit and Trolley gates of Terminal building including necessary drilling, tapping,suitable fixing arrangements, clamps, bolt nuts, screws, electric power supply cable with plug top etc., required.				
i	3 Feet Aircurtain	5	Jobs	1,500.00	7,500.00
ii	6 Feet Aircurtain	5	Jobs	2,000.00	10,000.00
16	Provision of fiberglass re-inforced (FRP) lining on existing/New MS/GI pipe line/supports/platform external surface with two layers of (Each layer 1mm thick) fibre glass chopped standard mat on the surface bonded with isophthalic based polyester resin and finally smooth finishing the surface with 0.5mm FRP sheet and adhesive paint; including cleaning, wrapping, fixing with binding components & pigment compound layer as per technical specification complete etc as required.	300	Sqm	1,799.00	539,700.00

Rupees Sixty Lakhs Seventy Thousand Eight Hundred Forty-Two Only plus GST extra.

Total Rs. 6,070,842.00

 27/07/2022

(M. Krishnamoorthy)

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