

# Asta Infra Projects Private Limited

CIN: U45203TG2009PTC063553



PURCHASE ORDER		
VJ Engineers, Plot No: 106 first floor, United Arcade, Mushk Mahal, Attapur, Hyderabad-500264, Telangana. Contact: 9247755862, 897522024 Email: vjengineers22@gmail.com	P.O. No.	AIPPL/PO/2023-24/IVF/009
	Date	07-08-2023
	Ref. No.	ACTPL/QUO/ASTA/0259/23-24 Rev 4 dt.: 07-08-2023
	GSTIN	36AAQCA4826R1ZU

Dear Sir,

## Sub: Supply, Installation & Commissioning of Heating, Ventilation & Air Conditioning System.

With reference to your revised offer dated 07.08.2023, we are pleased to issue this purchase order for our project site "In-Vitro Fertility Center" on the 5<sup>th</sup> Floor, Mother Child Hospital, Beside Gandhi Hospital, Secunderabad with the following terms & Conditions.

S.no	Description	Unit	Qty	Rate	Amount
1	As Per Annexure (IVF – Gandhi, MCH)	-	-	-	
Grand Total					25,03,022.00
(Twenty-Five Lakhs Three Thousand and Twenty-Two Only)					25,03,022.00

TERMS & CONDITIONS		
1	Price	The above Prices are firm and shall not be subject to any escalation due to any reason whatsoever.
2	Taxes	GST is payable as mentioned in Annexure-1.
3	Delivery	2-3 Weeks
4	Payment Terms	1. 25% advance against acceptance of PO. 2. 30% against delivery of material to the designated site location. 3. 35% against successful completion of installation. 4. 10% after successful completion of commissioning.
5	Transportation	Inclusive. The seller shall arrange transportation for delivery at the designated location mentioned at point no. 11 in good packaging.
6	Quality	The materials/items supplied against this order should be free from defects and damages. M/s. Asta Infra Projects shall have the right to reject the entire lot which is not in accordance with the specifications.
7	Documents	The invoice should be submitted with two (2) copies of the "Packaging List" identifying the contents of each package and a certificate denoting "Country of Origin"
8	Warranty	36 months from the date of installation against all installation & manufacturing defects.

### Regd. Office:

Sy. No. 262/AA,  
Beside MAK College of Pharmacy,  
Chilkur Village, Moinabad Mandal,  
Ranga Reddy Dist. - 501 504, Telangana

### Corp. Office:

# 8-2-334/27, 3rd Floor,  
Plot No. 27, Road No. 3, Avenue 7,  
Banjara Hills, Hyderabad - 500 034, Telangana

9	Test Certificates	Test Certificates for all materials and hardware shall be enclosed.
10	Invoice Pattern. (Bill To)	Asta Infra Projects Pvt. Ltd., Sy. No. 262/AA, Beside MAK College of Pharmacy, Chilkur Village, Moinabad Mandal, Rangareddy Dist. - 501504. T.S. <b>GSTIN: 36AAHCA7639K1Z8</b>
11	Project Site (Ship To)	In-Vitro Fertility Center, Mother Child Hospital Beside Gandhi Hospital, Padma Rao Nagar, Secunderabad, 500025
12	Contact Person	<b>Mr. V Shiva Kumar (9700961991) – Site Incharge, B. Naresh (+91 8790856003) – Sr. Site Engineer.</b>
13	Jurisdiction	This order is governed as per India's laws and the Telangana High Court's Jurisdiction shall apply.

Thanking you,

Yours faithfully,

For Asta Infra Projects Pvt. Ltd.

Authorized Signatory

**ACCEPTANCE BY VENDOR**

We accept this Work Order in its entirety and return the Acceptance Copy duly signed and stamped.

Signature .....

Name .....

Designation .....

Company Seal

S.No.	DESCRIPTION	UNIT	QTY	RATE		Amount	
				Supply	Installation	Supply	Installation
	COMFORT AIR CONDITIONING						
	AIR HANDLING UNIT						
1	Modular Double skin floor mounted EUROVENT Certified Air Handling Unit 3000CFM / 8.5 TR / 150mm SP made out of 45 plus or minus 2mm thick PUF insulated panels Thermal break aluminium profile frame work with 0.8mm thick pre painted / powder coated inner and outer skins comprising of mixing box with fresh air and return air dampers, pre filters with 10 and 5 microns combination filters in single frame, Interlaced/Intertwined DX Cooling Coil suitable for connecting 2 nos of 8.5TR capacity 1W plus 1S out door condensing units, SS304 drain pan with , blower section with Nicotra / Kruger make direct drive/ Plug type fan, vibration isolators, EFF1 motor and blower section with on/off switches to operate from outside, limit switch for the fan section access door with a view port, fine filter section with 3 microns filters inspection doors for all filter and fan sections and damper at the outlet of unit. Ports for differential pressure gauges across all filters and blower to measure differential pressure. AHU Make : VTS / Systemair, Make - Blower - Nicotra / Kruger ; Motor - Crompton Greaves / Siemens ; Filter - Thermodyne / Freudenberg / Ultrafil at Gandhi Hospital	No	1.00	4,33,451.00	25,000.00	4,33,451.00	25,000.00
2	SITC of air cooled condensing units with two scroll compressors, air cooled condenser, power panel, vibration isolating pads, stand for ODU, thermostat, etc. of the following capacities. The nominal capacity of the condensing unit shall be as under. Air cooled condensing unit shall have horizontal discharge. All refrigerant piping accessories sight glass, drier, expansion valve, etc. shall be supplied with the condensing units and suitable to connect above AHUs. Refrigerant shall be R 407C / R 410A. Necessary thermostat, control wiring, etc. shall be included. Derating of the unit shall not be more than 15percentage under 45 deg. C ambient temperature. Condensing unit shall be capable of operating up 50 deg. C ambient temperature. <b>8.5 TR capacity</b> At Gandhi Hospital	No	2.00	1,35,000.00	10,000.00	2,70,000.00	20,000.00
	High Side						7,48,451.00
	With GST 28%						9,58,017.28

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S.No.	DESCRIPTION	UNIT	QTY	RATE		Amount	
				Supply	Installation	Supply	Installation
	<b>COMFORT AIR CONDITIONING</b>						
	<b>AIR HANDLING UNIT</b>						
1	SITC of Magnehelic gauges across pre and fine filter at AHUs including mounting arrangement, SS nozzles, food grade PVC tubing, etc. At Gandhi Hospital	nos	2	12,650.00	1,000.00	25,300.00	2,000.00
2	SITC of Magnehelic gauges to measure the room differential pressures in operation theatres with SS mounting box, SS nozzles, food grade PVC tubing, etc. At Gandhi Hospital	nos	2	14,200.00	1,000.00	28,400.00	2,000.00
3	SITC of Flange type, Flame proof FLP duct heaters of 5 kW capacity with Mineral Filled AISI SS304/SS321 Sheathed Tubular Heater with GI Helical fins, Tube dia 8.2mm min and Helical Finn dia 25mm min, enclosed in the frame, FLP Terminal box etc., Nickel Chromium Inner Element, Silicon Sealing to Restrict Moisture pickup, Silver brazed mounting plate etc., and heaters shall be controlled with PID thyristor controller based on the analog output signal of 0-10 V DC of controller . And this should have safety thermostat and cutouts and air stat etc. all safety controls. The capacities as follows and sizes of the heaters shall be as per the duct sizes and approved drawing. at Gandhi Hospital	No	1	88,000.00	7,000.00	88,000.00	7,000.00
4	SITC of 20/21 G hard drawn copper refrigerant piping with all fittings, supports, insulation with 19 mm thk class O nitrile rubber insulation with factory laminated glass cloth for physical protection and UV protection etc. Quality of copper piping fittings shall be suitable for 18 G piping. Copper piping shall be clamped at every 1.5 mt. distance. copper piping shall be laid on inverted GI perforated cable trays and clamps as per specification inside the building. Copper piping on the terrace shall be laid with bottom and top cable tray. Thickness of the tray shall be 1.6 mm. Copper pipe size shall be as per OEM standards at Gandhi Hospital						

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4.1	Liquid line with fittings for 8.5TR Circuit	Rmt	20	1,116.00	165	22,320.00	3,300.00
4.2	Suction line with fittings for 8.5TR Circuit	Rmt	20	1,651.00	143	33,020.00	2,860.00
5	SITC of CPVC drain piping with supports, clamps and 9 mm thk. Nitrile rubber tube insulation of the following sizes. Insulation shall have factory laminated glass cloth. <b>32mm Dia</b> at Gandhi Hospital	Rmt	20	150.00	66	3,000.00	1,320.00
6	SITC of CPVC drain piping with supports, clamps and 9 mm thk. Nitrile rubber tube insulation of the following sizes. Insulation shall have factory laminated glass cloth. <b>25mm Dia</b> at Gandhi Hospital	Rmt	20	150.00	66	3,000.00	1,320.00
	Air Distribution						
7	SITC of Factory fabricated and boxed ducting using Aluminium Sheets / coils, should be fabricated as per SMACNA, galvanised hardware and supports, silicon sealant at all longitudinal joints, Galvanized /GI Electroplated iron angle flanges for all the joints, bracing angles and minimum 5mm thick neoprene rubber gasket.- Duct pressure testing at 75mm to be carried out before insulating the duct. pressure testing to be done as per SMACNA. Procedure to be approved by consultant.						
7.1	20G	Sqm	30	2,070.00	300	62,100.00	9,000.00
7.2	22G	Sqm	230	1,850.00	300	4,25,500.00	69,000.00
8	Aluminium low leakage aerofoil design volume control dampers Suitable for manual and motorised operation At Gandhi Hospital	Sqm	2	14,000.00	1980	28,000.00	3,960.00
9	CBRI approved 16G GI Spring return actuated fire dampers rated for 90 minutes with limit switch. At Gandhi Hospital	Sqm	2	18,000.00	1650	36,000.00	3,300.00
10	Extruded Al. powder coated EXHAUST / RETURN discrete grilles At Gandhi Hospital (we are Cosiding only 10 Micron Filter SS Retrurn Riser Grill supplying panel Vendor)	Sqm	1	9,686.00	1980	9,686.00	1,980.00
11	SITC of Collar Dampers made of Al. extrusions with black powder coating for Grilles / Diffusers At Gandhi Hospital	Sqm	1	8,500.00	1980	8,500.00	1,980.00
12	SITC of Aluminium powder coated Fresh air and Exhaust Louvers of non-vision type with nylon mosquito net etc. At Gandhi Hospital	Sqm	1	9,500.00	1980	9,500.00	1,980.00



13	Duct insulation with Class O Nitrile Rubber material by using adhesive of following thickness.							
13.1	32mm thickness with 7 mil glass cloth and two coats of UV protective paint - for Exposed Supply air ducts	Sqm	90	750.00	300	67,500.00	27,000.00	
13.2	25mm thickness with 7 mil glass cloth and two coats of UV protective paint - for Exposed Supply air ducts	Sqm	90	650.00	300	58,500.00	27,000.00	
13.3	25mm thickness - for supply air ducts for Non exposed	Sqm	40	760.00	300	30,400.00	12,000.00	
13.4	19mm thickness - for supply air ducts for Non exposed	Sqm	40	470.00	300	18,800.00	12,000.00	
14	Supply and Installation of AL-powdercoated bottom loading type HEPA filter modules with bewel gear arrangement damper with access from clean room suitable to house the following size flange type HEPA filters including GI pressure plate, GI cleats with bolts and pressure drop & Integrity testing ports into room.							
14.1	600 X 600 X 150MM - HEPA filter - Module height <=350 mm	Nos	4	14,000.00	2000	56,000.00	8,000.00	
15	Supply and Installation of H14 HEPA filters with 99.995% efficiency of the following sizes							
15.1	600 x 600 x 150 mm - 1000 CFM	Nos	4	16,000.00	1100	64,000.00	4,400.00	
16	Supply and Installation of 25mm thick 10 microns filter of required sizes for Return raisers	Nos	4	4,900.00	150	19,600.00	600.00	
17	6C x 1.5 Sqmm Copper Flexible cable	Rmt	30	260.00	80	7,800.00	2,400.00	
		Low Side				13,09,326.00		
		GST @ 18%				15,45,005.00		