

MAHAVIR CANCER SANSTHAN & RESEARCH CENTRE

Phulwarisharif, Patna – 801505

NOTICE INVITING QUOTATION (NIQ)

NIQ No.: MCS/Engg./2026-27/..581.

Date: 18/07/2026.

Name of Work:

Supply, Installation, Testing & Commissioning (SITC) of 02 Nos. 8.5 TR Ductable Type Air Conditioning System along with complete ducting, refrigerant piping, insulation, electrical work and accessories for New CT Scan Machine Room, UPS Room & Console Room as per approved drawing.

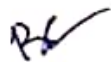
1. Scope of Work

The contractor shall carry out the complete SITC work including but not limited to:

- Supply of 02 Nos. 8.5 TR High Static Ductable Air Conditioning Units.
- Indoor and Outdoor Units.
- Refrigerant Copper Piping with insulation.
- Drain Piping.
- GI Ducting with insulation.
- Supply Air Grills and Return Air Grills.
- Volume Control Dampers.
- Canvas Connection.
- Flexible Duct wherever required.
- Outdoor Unit Stand.
- Power and Control Cabling.
- Electrical Panel (if required).
- MCB/MCCB, Isolator and Safety Devices.
- Testing, Vacuuming, Gas Charging and Commissioning.
- Balancing of Air Flow.
- Civil cutting/chasing and restoration.
- All consumables and accessories required for successful commissioning.
- The work shall be executed strictly as per approved HVAC drawing and manufacturer's recommendations.

2. Technical Specifications

- Capacity : 8.5 TR each
- Quantity : 02 Nos.
- Type : High Static Pressure Ductable Split AC
- Refrigerant : R-410A / R-32
- Power Supply : 415V, 3 Phase, 50 Hz
- Indoor Unit : Ceiling Concealed Ductable
- Outdoor Unit : Air Cooled
- Compressor : Scroll Compressor
- Filter : Washable
- Insulation : Nitrile Rubber (Class O)



- Copper Pipe : Heavy Duty Copper Tube
- Duct : Factory Fabricated GI Duct
- Make of AC : Daikin / Carrier/ Hittachi / Blue Star .

3. Additional Technical Requirement

- Temperature & Humidity Control System
- The bidder shall provide a complete temperature and humidity control system for the CT Scan Unit. The system shall include an electric duct heater/reheat heater, compatible thermostat, temperature controller, humidity controller (where applicable), sensors and all associated control accessories to maintain the required indoor environmental conditions.
- The HVAC system shall be capable of maintaining:
- Room Temperature: 18°C to 22°C
- Relative Humidity: 40% to 60% RH (or as recommended by the CT Scan equipment manufacturer)
- Automatic operation through microprocessor-based controller/BMS-compatible control panel.
- The heater shall operate automatically whenever required to maintain the desired room temperature and humidity, particularly during low ambient conditions or dehumidification operation.
- All controls, wiring, sensors, actuators, relays, and accessories required for satisfactory operation shall be included in the contractor's scope.
- The entire system shall be supplied, installed, tested, balanced, and commissioned as per OEM recommendations and approved drawings.
- Note: The quoted rate shall be inclusive of the duct heater, temperature & humidity control system, sensors, control panel modifications (if required), cabling, accessories, testing, balancing, and commissioning. No extra payment shall be made for these items.
- This clause will make the NIQ comprehensive and ensure that the CT Scan room environment is maintained within the specified 18°C–22°C temperature range and the required humidity level for safe operation of the CT scanner.

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4. BOQ

Sl. No.	Description	Qty	Rate	Amount
1.	SITC of 8.5 TR Ductable AC complete with Indoor & Outdoor Unit and electric duct heater/reheat heater, compatible thermostat, temperature controller, humidity controller (where applicable), sensors and all associated control accessories to maintain the required indoor environmental conditions.	2 Nos.		
2.	GI Ducting with insulation	As Required		
3.	Copper Refrigerant Piping with insulation	As Required		
4.	Drain Piping	As Required		
5.	Supply & Return Air Grills	As Required		
6.	Electrical Cable, Control Cable & Accessories	As Required		
7.	Outdoor Stand	2 Nos.		
8.	Testing & Commissioning	1 Job		
9.	Total Amount with GST in Rupees			

5. Completion Period

- The work shall be completed within 15 Days from the date of issue of Work Order.

6. Eligibility Criteria

The bidder should:

- Have experience in SITC of Ductable AC Systems.
- Submit GST Registration.
- PAN Card.
- Experience Certificates.

7. Warranty

- Minimum 12 Months from the date of successful commissioning.
- Compressor warranty as per OEM policy.

8. Inspection

- Material shall be inspected by the Engineering Department before installation.

9. Price

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- The quoted price shall be inclusive of all labour, materials, transportation, loading, unloading, testing, commissioning, taxes, duties, consumables and incidental charges required for complete execution of the work.

10. Make of Major Components

- AC Unit : Daikin / Carrier / Blue Star / Hittachi
- Copper Pipe : Rajco / Mandev / Equivalent
- Insulation : Armacell / Equivalent
- Cable : Polycab / KEI / Havells
- GI Sheet : TATA / JSW
- Grill & Diffuser : Approved Make

11. Submission of Quotation

Interested bidders shall submit their sealed quotations in a properly sealed envelope within 07 (Seven) days from the date of issue of this NIQ.

The sealed envelope shall be superscribed with the following details:

- Tender Name: Supply, Installation, Testing & Commissioning (SITC) of 02 Nos. 8.5 TR Ductable Type Air Conditioning System for New CT Scan Machine Room, UPS Room & Console Room.
- Tender/NIQ No.: MCS/Engg./AC/2026-27/ 581

The sealed quotation shall be dropped in the Tender Box kept at Room No. 03, Ground Floor, A-Block, Mahavir Cancer Sansthan & Research Centre, Phulwarisharif, Patna – 801505, on or before the due date and time.

Quotations received after the prescribed deadline or submitted in an unsealed envelope shall be liable to be rejected

12. Employer's Rights

- Mahavir Cancer Sansthan reserves the right to accept or reject any or all bids without assigning any reason.

P. C. Singh 18/7/28
Director(Admin.)
Mahavir Cancer Sansthan

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