



NOTICE INVITING TENDER (NIT)

Supply, Installation, Testing & Commissioning (SITC) of Two (02) Nos. Twin Stretcher Lift of each behind A-Block In MCS Campus phulwarisharif, Patna.

Name of Work

Supply, Installation, Testing and Commissioning (SITC) of Two (02) No. 1020 kg (15 Passenger), (Size-1850MM X 2950MM) twin Stretcher Lift with Vision Glass Cabin, Fire Rated Landing Doors, Gearless Machine, Automatic Rescue Device and Comprehensive Warranty to be installed behind A-Block in MCS campus: Patna.

1. Scope of Work

The work shall include the complete design, manufacture, supply, transportation, unloading, storage, installation, testing, commissioning and obtaining statutory approval from the State Lift Inspector. The contractor shall provide all labour, tools, tackles, equipment, consumables and accessories required for successful commissioning.

The scope shall also include:

- Guide rails, brackets and fasteners.
- Gearless permanent magnet synchronous motor.
- Microprocessor controller with VVVF drive.
- Counterweight assembly.
- Suspension ropes/belts.
- Stainless steel stretcher lift cabin with vision glass.
- Automatic centre opening doors.
- Fire-rated landing doors (minimum 2-hour rating).
- Landing operating panels and car operating panel.
- Automatic Rescue Device (ARD).
- Fireman's operation.
- Emergency communication system.
- Electrical wiring from lift panel to controller.
- Testing and commissioning.
- Statutory inspection and certification.
- Training of hospital staff.

2. Technical Specifications

- **Lift Type**
 - Hospital Stretcher Lift
 - Gearless Traction Lift
 - Machine Room Less (MRL) or Machine Room Type (as per approved drawing)
- **Capacity**
 - Rated Load : 1600 kg
 - Passenger Capacity : 21 Persons
- **Speed**
 - Minimum 1.0 m/s
- **Operation**
 - Collective Selective Automatic Operation
 - Microprocessor Based Controller
 - VVVF Drive
- **Cabin**
 - SS-304 Hairline Finish
 - Minimum Internal Size:

- Width : 1600 mm
- Depth : 2400 mm
- Height : 2400 mm
- Vision Glass Panel
- Stainless Steel Handrails (Three Sides)
- Anti-skid Granite/PVC Flooring
- LED Lighting
- Emergency Light
- Ventilation Fan
- **Landing Doors**
 - Automatic Centre Opening
 - Clear Opening 1200 mm
 - SS Hairline Finish
 - Fire Rated (Minimum 2 Hours)
 - Vision Glass
- **Safety Features**
 - Automatic Rescue Device
 - Fireman's Operation
 - Fire Recall
 - Overload Warning
 - Infrared Light Curtain
 - Emergency Alarm
 - Intercom
 - Overspeed Governor
 - Safety Gear
 - Buffers
 - Door Interlocks
 - Terminal Limit Switches
 - Phase Failure Protection
 - Reverse Phase Protection
 - Under/Over Voltage Protection
 - Earth Fault Protection
- **Electrical Supply**
 - 415 Volt $\pm 10\%$
 - Three Phase
 - 50 Hz
- **Performance Requirements**
 - Levelling Accuracy : ± 5 mm
 - Noise Level : Less than 55 dB
 - Vibration : As per BIS Standards

3. Applicable Codes & Standards

The complete work shall conform to:

- CPWD General Specifications for Electrical Works (Latest Edition)
- National Building Code (NBC) 2016
- IS 14665 (All Parts)
- IS 15259
- State Lift Rules
- BIS Standards
- National Electrical Code
- Fire & Life Safety Regulations
- IEC Standards wherever applicable

Ref.No.: MCS/Engg./LIFT/2026-27/ 661

Date: ..01/08/2026.

4. Approved Makes

Only OEMs shall be accepted.

- OTIS
- KONE
- Schindler
- Johnson Lifts
- TK Elevator

5. Eligibility Criteria

The bidder shall:

- Be an OEM or OEM Authorized Dealer.
- Have executed at least three similar works during the last two years.
- Have a valid GST Registration.
- Have PAN.
- Submit OEM Authorization.
- Submit Performance Certificates.
- Submit audited financial statements for the last three financial years.

6. Performance Security

- The successful bidder shall submit a Performance Bank Guarantee equal to 5% of the contract value, valid up to completion of the warranty period.

7. Warranty

- The lift shall be covered under **24 months comprehensive warranty** from the date of successful commissioning.

8. Comprehensive Annual Maintenance Contract (CAMC)

The bidder shall quote separately for 05 years CAMC after expiry of the warranty period.

The CAMC shall include:

- Monthly preventive maintenance.
- Breakdown maintenance.
- Free replacement of defective spare parts.
- 24x7 emergency service.
- Maximum breakdown response time: 2 hours.

9. Completion Period

- The work shall be completed within 90 days from the date of completion of civil works.

10. Inspection & Testing

Inspection shall be carried out by the Engineer-in-Charge during:

- Manufacturing
- Supply
- Installation
- Testing
- Final Commissioning
- The contractor shall arrange all testing instruments at no extra cost.

11. Payment Terms

- 10% advance along with work order.
- 60% after supply of material at site.
- 20% after successful installation and commissioning.
- 10% after submission of statutory approval, handing over, and completion of documentation with MTC.

12. Liquidated Damages

- Delay in completion shall attract **0.5% of the contract value per week**, subject to a maximum of **10% of the contract value**.

13. Defect Liability Period

Twenty Four (24) months from the date of successful completion of the work.

14. Documents to be Submitted

- Technical Catalogue.
- OEM Authorization Certificate.
- BIS Compliance.
- Fire Rating Certificates.
- Type Test Certificates.
- Drawings.
- Operation & Maintenance Manuals.
- Warranty Certificate.
- Spare Parts List.
- Test Reports.

15. BOQ

The BOQ shall include:

- SITC of Hospital Stretcher Lift.
- Civil modifications (if required).
- Electrical wiring.
- Testing & Commissioning.
- Statutory Approval.
- Comprehensive Warranty.
- Five-year CAMC (separately quoted).

16. Special Conditions

- The lift shall remain operational 24x7 in a hospital environment.
- All safety features shall comply with the latest BIS and CPWD specifications.
- Only genuine OEM spare parts shall be used.
- The contractor shall provide free operator and maintenance training.
- Complete as-built drawings and O&M manuals shall be submitted before final payment.

17. The civil structural drawing of the proposed twin lift can be seen in the office of senior engineer, MCS.

18. Submission of Quotation

Interested bidders shall submit their sealed quotations in a properly sealed envelope within 15 (Fifteen) days from the date of issue of this NIT.

The sealed envelope shall be superscribed with the following details:

- Tender Name: Supply, Installation, Testing & Commissioning (SITC) of One (02) Nos. twin Stretcher Lift at MCS.
- Tender/NIT No.: MCS/Engg./LIFT/2026-27/_____

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

18. Employer's Rights

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

B. L. Singh
Director (Admin.)
Mahavir Cancer Sansthan