

Tender

For

**Subject: Repair, Testing and Servicing of EOT Cranes, Rope hoist and Chain
pully at AIESL, Shamshabad**



Issued by:

AI Engg. Services Ltd. (AIESL)
HYD, Telangana - 500108

CAUTION: While every care has been taken to ensure that the contents of this tender are accurate and up to date till date, the entities are advised to check the precise current provisions of extant law and other applicable instruction from the original sources. In case of any conflict between the provisions stipulated in this tender and in the original sources. Such as GFR or the prevailing laws, the provisions contained in the extant law and the original instructions shall prevail.

Dear Sir/Madam,

AI Engineering Services Limited (AIESL), through its PPMM Dept., Hyderabad, invites online bids through the Government e-Marketplace (GeM) portal from eligible, experienced and technically competent agencies/contractors for one-time repair, servicing, testing and commissioning of the Electric Overhead Travelling (EOT) Cranes, Monorail Cranes (Electric Wire Rope Hoists) and Chain Pulley Blocks installed at various locations within AIESL's MRO Complex, RGIA, Shamshabad, Hyderabad, strictly in accordance with the Scope of Work, Terms & Conditions and Eligibility Criteria set out in this document.

The bid shall be processed entirely online through the GeM portal (www.gem.gov.in). Bidders intending to participate must possess a valid GeM Seller Registration. No offline / physical bids shall be entertained.

1. Scope of Work

The scope of work shall include thorough inspection and diagnosis, dismantling, repair, replacement of defective/worn-out components, reassembly, testing and commissioning of the existing cranes, hoists and chain pulley blocks listed in Annexure-III, installed at AIESL MRO Complex, RGIA, Hyderabad. The work shall broadly comprise the following (replacement of any item shall be carried out only where found necessary on inspection, and only after written approval of AIESL's Engineer-in-Charge):

7.5 Ton EOT Cranes (2 Nos. – Base Maintenance Hangar) – Onsite Calibration.

1. Thorough inspection and diagnosis of the crane, hoist mechanism, trolley arrangement, long-travel mechanism and electrical control system.
2. Dismantling and replacement/repair of worn-out or defective components including wire rope, hook block assembly, bearings, brake linings, gears, couplings, limit switches, contactors, relays, push-button pendant station, cables and other associated parts, wherever required.
3. Servicing and alignment of hoist, cross-travel and long-travel gearboxes, including topping-up/replacement of lubricating oil (Grade 140 or thicker) and greasing of all moving parts.
4. Inspection, cleaning and tightening of electrical panels, terminals and wiring connections, including rectification of any faults in motors, brakes and control circuits.
5. Checking and calibration of upper and lower limit switches, overload protection system and other safety devices.
6. Adjustment and alignment of wheel assemblies, rail clearances and drive mechanisms to ensure smooth and safe operation of the crane.
7. Supply and replacement of consumables, fasteners, hardware and other minor materials required for completion of the work.
8. Carrying out no-load and full-load operational tests after completion of repairs and ensuring satisfactory performance of the crane.
9. Conducting proof load test and obtaining certification from competent authorities, if required.
10. Cleaning of the work area and removal of all dismantled and scrap materials upon completion of the work.
11. Submission of a service report indicating the repairs carried out, components replaced and test results, after successful commissioning of the crane.

Monorail Cranes / Electric Wire Rope Hoists (6 Nos.) – Onsite Calibration

- 1.General checking of the crane.
- 2.Topping up oil (Grade 140 or thicker) in the gear boxes.
- 3.Checking lubrication of the crane and lubrication of wire ropes.
- 4.Replacement of LT/CT wheels including bearings, wheel shafts, couplings, pedestals, gears, etc., if necessary.
- 5.Drive mechanisms – LT, CT and hoist motions – replacement of gear boxes, bearings, oil seals, gaskets, gears, input/output shafts, couplings, coupling bolts, drive shafts, pulleys, etc., if necessary.
- 6.Wire ropes – replacement of worn-out/broken/crushed/damaged wire ropes and arranging wire rope clamps.
- 7.Hook block of hoists – replacement of damaged/worn-out hooks, damaged/defective pulleys and any other damaged components of the hook block.
- 8.Checking and replacement of crane end stoppers on LT and CT motion, if necessary.
- 9.Restoration of trolleys in the event of derailment.
- 10.Checking and replacement of brake units/brake liners, replacement of springs and adjustment of studs, etc., if necessary.

Chain Pulley Blocks (4 Nos.) – Onsite Calibration

- 1.General checking of the chain pulley block.
- 2.Inspection of hooks for cracks, nicks, gouges, twisting or deformation of the throat opening.
- 3.Examination of the load chain for wear, elongation or damage.
- 4.Testing of the hoist under load to ensure it holds without drift, and checking brake functionality.
- 5.Application of manufacturer-recommended lubricants (Grade 140 or thicker) to the chain, gears and bearings to reduce friction and prevent rust.
- 6.Removal of dust, dirt and debris using a dry cloth or brush; harsh chemicals that could damage the hoist's components shall not be used.
- 7.Checking for stretching, nicks or cracks in load-bearing components, and replacement if necessary.
- 8.Ensuring brake pads are in good condition and adjusted to manufacturer's specifications.
- 9.Inspection for wear or damage of sprockets and gears, and replacement if needed.
- 10.Verification that hooks rotate freely and are not deformed.

General Conditions of Scope

The contractor shall deploy qualified and experienced personnel and arrange all necessary tools, tackles, testing instruments and safety equipment required for carrying out the work in accordance with applicable standards and safety regulations. The crane/hoist/chain pulley block shall be handed over to AIESL in a fully operational and serviceable condition after completion of repairs.

5. TERMS & CONDITIONS

- 1.Completion Period: The entire work shall be completed within 7 days from the date of issue of the Work Order/LOI or handing over of the site, whichever is later. Extension, if any, shall be granted only for reasons not attributable to the contractor, at the sole discretion of AIESL.
- 2.Liquidated Damages (LD): In case of delay in completion attributable to the contractor, LD shall be levied at 0.5% of the contract value per week of delay (or part thereof), subject to a maximum of 10% of the contract value, without prejudice to AIESL's other rights and remedies including risk-purchase/termination.

3.Taxes & Duties: GST shall be quoted extra, as applicable, and shall be paid at actuals against a valid tax invoice. TDS shall be deducted at source as per the Income Tax Act, 1961, wherever applicable.

4.Warranty/Defect Liability: A warranty period of 6 (six) months from the date of successful commissioning shall apply on workmanship and on all replaced parts/components (excluding fast-wearing consumables), against manufacturing and workmanship defects. Defects noticed during this period shall be rectified by the contractor free of cost.

5.Statutory Compliance: The contractor shall comply with all applicable labour laws including the EPF & MP Act, ESI Act, Minimum Wages Act, Contract Labour (Regulation & Abolition) Act, Factories Act and any other statute applicable to the work, and shall deploy only trained, medically fit personnel equipped with appropriate PPE.

6.Safety: All work shall be carried out strictly under AIESL's "Permit to Work" system, with full safety precautions including barricading and Lock-Out/Tag-Out (LOTO) isolation of cranes/hoists prior to commencement of any repair activity. The contractor shall be solely responsible for the safety of its personnel and shall be liable for any accident, injury or damage caused to AIESL property or third parties during execution of the work.

7.Insurance: The contractor shall maintain a valid Workmen's Compensation Policy and Third-Party Liability Insurance for the duration of the contract, and shall furnish copies thereof to AIESL prior to commencement of work.

8.Materials/Spares: Only genuine or OEM-equivalent spares/components shall be used. All parts removed/replaced shall be handed over to AIESL Stores. Cost of spares/components shall be claimed strictly on actuals, against the rates quoted in Schedule-B of the Price Bid (Annexure-I), and only after prior written approval of AIESL's Engineer-in-Charge supported by an inspection report/photographic evidence of the defective part.

9.Tools & Tackles: All tools, tackles, lifting accessories, welding sets, testing kits and calibrated test weights required for the work shall be arranged by the contractor at its own cost.

10.Risk Purchase: In the event of failure or default by the contractor in executing the work as per the agreed schedule and quality, AIESL reserves the right to get the balance work executed through an alternate agency at the risk and cost of the defaulting contractor, after due notice.

11.Force Majeure: Neither party shall be liable for delay or failure in performance resulting from causes beyond its reasonable control, including acts of God, war, riot, strike (other than of the contractor's own workforce) or government action, provided timely written notice is given.

12.Termination: AIESL reserves the right to terminate the contract, wholly or in part, in case of breach of any terms & conditions by the contractor, after giving reasonable notice and opportunity to remedy the breach.

13.Dispute Resolution & Jurisdiction: Disputes, if any, shall first be addressed through mutual discussion; failing resolution, the matter shall be referred to arbitration under the Arbitration & Conciliation Act, 1996 (as amended), and/or as per the General Terms & Conditions (GTC) of the GeM portal. The Courts at Hyderabad alone shall have jurisdiction.

14.Validity of Bid: The bid shall remain valid for acceptance for a period of 90 days from the date of bid opening.

15.Right to Accept/Reject: AIESL reserves the right to accept or reject any or all bids, in part or in full, or to cancel the bidding process at any stage, without assigning any reason and without any liability to the bidders.

16.GeM General Terms & Conditions (GTC): The standard General Terms & Conditions of the GeM portal applicable to Bid/Service contracts shall apply mutatis mutandis, in addition to the specific terms contained in this document. In case of any conflict, the specific terms herein shall prevail to the extent permissible under GeM GTC.

17. The agency shall be fully responsible for any loss of, or damage to, AIESL assets, equipment, infrastructure, or third-party property arising out of its operations, negligence, acts, omissions, or those of its personnel during execution of the work. The agency shall promptly repair or replace the damaged property at its own cost to the satisfaction of AIESL or reimburse the actual cost of restoration, as determined by AIESL. The agency shall indemnify and keep AIESL indemnified against all claims, liabilities, losses, damages, and expenses arising from such incidents.

7. LIST OF DOCUMENTS TO BE UPLOADED/SUBMITTED ALONG WITH THE BID

1.Copies of Work Orders and Completion/Performance Certificates for similar works executed during the last 3 years (in support of Clause 3.1(b)).

2.Self-Declaration of no blacklisting/debarment, in the format at Annexure-II, duly signed and stamped.

3.An unconditional acceptance of the Scope of Work and Terms & Conditions of this bid document, signed and stamped on each page by the authorised signatory.

4.List of tools, tackles, testing instruments and qualified manpower proposed to be deployed for the work.

Price Bid:

Schedule – A: Lump Sum Service Charges (Inspection, Servicing, Minor Repair, Testing & Commissioning)

Sl.No.	Equipment / Hoist	Make	Capacity	Qty.	Unit Rate for Inspection, Servicing, Minor Repair & Testing (₹)	Amount (₹)
1	Single Girder Remote Operated EOT Crane	ACCESS	7.5 TON	02		
2	Electric Wire Rope Hoist (Monorail)	Swift	1 TON	06		
3	Chain Pulley Block	NA	2 TON	01		
4	Chain Pulley Block	NA	1 TON	01		
5	Chain Pulley Block	NA	0.5 TON	02		
TOTAL – SCHEDULE A (Excl. GST)						

Schedule – B: Schedule – B: Schedule of Rates for Spares / Components (to be utilised strictly on actual requirement basis, after inspection and with prior written approval – refer Clause 8 in Section 5 (Terms and Conditions))

Sl.No.	Description of Spare / Component	UOM	Unit Rate (₹) Excl. GST	GST %
1	Wire Rope – EOT Crane Hoist (per metre, incl. fitting)	Mtr		
2	Wire Rope – Monorail Hoist (per metre, incl. fitting)	Mtr		
3	Ball/Roller Bearing – Set (per crane/hoist)	Set		
4	Brake Liner/Brake Pad – Set	Set		
5	Gear Box Oil Seal Kit	Kit		
6	Hook Block Assembly (complete)	No.		
7	Limit Switch (each)	No.		
8	Contactor / Relay (each)	No.		
9	Coupling (each)	No.		
10	Push Button Pendant Station (complete)	No.		
11	Gear Oil, Grade 140 or thicker (per litre)	Ltr		
12	Multipurpose Grease (per kg)	Kg		
13	Any other genuine spare/component not listed above (% Discount on OEM Invoice/MRP to be quoted)	%		

Total – Schedule A (Lump Sum Service Charges) – Excl. GST (A)	₹
Provisional Sum – Schedule B (Spares, on actuals; indicative ceiling or as fixed by AIESL Purchase Section) – Excl. GST (B)	₹
GST @ applicable rate (C) = Schedule A GST + Schedule B GST	₹
GRAND TOTAL incl. GST (for L1 evaluation purposes) – To be reflected in the GeM portal Price. D = A+B+C	₹

The provisional sum for Schedule-B is an indicative ceiling for bid-evaluation purposes only; actual payment for spares shall be released strictly against items consumed at the quoted/discounted rate, duly approved by the Engineer-in-Charge. Purchase Section to fix and insert the final provisional sum based on the approved estimate.

Eligibility Criteria (GeM Compliant)

Bidders must meet the following requirements:

1. The agency shall be authorized to carry out statutory inspection, testing, and certification of EOT cranes, hoists, and wire ropes under the Telangana State Factories Rules. The agency shall deploy a Competent Person approved under the Telangana Factories Rules and submit valid approval documents.
2. Following any major repair or replacement of critical load-bearing components, including hoist wire ropes, hooks, brakes, drums, sheaves, or structural members, the agency shall conduct the required statutory inspection and load testing and issue a Test Certificate from the approved Competent Person. Re-certification is mandatory before recommissioning, particularly for the 7.5 T EOT cranes.
3. Valid **GST Registration** and **PAN**.
4. Bidder must not be blacklisted by any Government/PSU (self-declaration required).
5. **Must be a licensed/competent agency listed under the Telangana State Factories Department with valid competency certification.**

Technical Eligibility

(a) The bidder shall be a registered firm / company / proprietorship / partnership concern engaged in the repair, overhaul, servicing and maintenance of EOT/overhead cranes, electric wire rope hoists, chain pulley blocks and allied lifting equipment, for a minimum period of 3 (three) years as on the bid submission date.

(b) The bidder shall have satisfactorily completed at least one similar single work order of value not less than 80% of the estimated bid value, OR two similar works each of value not less than 50%, OR three similar works each of value not less than 40%, of the estimated bid value, during the last 3 (three) financial years, with any Central/State Government Department, PSU, Airport/MRO operator or reputed private organisation. Copies of work orders along with completion/performance certificates from the client shall be submitted.

(c) The bidder shall deploy suitably qualified, trained and experienced crane technicians/riggers, and shall possess (or have firm arrangements to mobilise) the necessary tools, tackles, lifting accessories and calibrated testing instruments required for the work.

(d) Bidders who are authorised service partners/dealers of the OEMs of the installed hoists (Swift, ACCESS) or who can demonstrate access to OEM-equivalent genuine spares shall be preferred. This is desirable, not mandatory; however, use of only genuine/OEM-equivalent spares is mandatory during execution (refer Clause 5.9).

(e) The bidder, either directly or through a tied-up Competent Person/Third-Party Inspection agency, shall be able to carry out / arrange proof load testing and obtain statutory certification under the Factories Act/applicable lifting equipment regulations

Financial Eligibility

- (a) Average Annual Financial Turnover of the bidder during the last 3 financial years (2022-23, 2023-24 and 2024-25) shall not be less than 1 lakh rupees, supported by CA-certified/audited financial statements or ITRs.

Mandatory Documents

The following documents must be uploaded on GeM:

- GST Registration Certificate & PAN
- Company Registration Documents

- Self-declaration:
 - No Blacklisting
 - Acceptance of Tender Terms

Valid Competency Certificate (Telangana Factories Department)

1. Statutory / Mandatory Certificates

- **No-Load Test Report** — all motions (hoist, LT, CT) run empty to confirm smooth operation
- **Full-Load (Rated Load) Test Report** — operation at 100% SWL
- **Proof Load Test Certificate** — typically at 125% of SWL (static & dynamic), as per IS 807/IS 3177
- **Statutory Load Test Certificate from a Competent Person** (Form 22/23 or the equivalent under the Telangana State Factories Rules) — mandatory for re-certification after major repair/component replacement, especially for the 7.5T EOT cranes
- **Insulation Resistance (Megger) Test Report** — motors, panels, control circuits
- **Earth Continuity / Earthing Test Report**

2. Component-Specific Reports

EOT Cranes & Wire Rope Hoists:

- Brake holding/drift test report
- Limit switch & overload protection calibration report
- Wire rope visual & dimensional inspection report (broken-wire count, diameter reduction — per IS 3177)
- NDT (dye-penetrant/magnetic particle) report on hooks and any welded load-bearing joint
- Wheel/rail alignment check report

3. Chain Pulley Blocks:

- Load chain wear/elongation measurement report (per IS 3815)
- Hook visual/NDT inspection report
- Brake functionality test under rated load

4. Transportation Requirements (GeM Compliant)

- a) Prices must include **to-and-fro transportation charges**.
- b) Vendor shall ensure safe handling; liability for damage rests with the bidder.
- c) Consolidated pickup may be arranged for bulk calibration.

5. Turnaround Time (TAT)

- a) Bidder must specify TAT clearly.
- b) Any delay must be communicated and approved in advance.
- c) Unjustified delays may attract penalties.

6. Pricing Conditions

- a) Prices must be **firm, inclusive, and quoted on GeM**.
- b) GST must be indicated separately.
- c) HSN/SAC code must be mentioned.
- d) No extra charges beyond GeM quote will be permitted.

Due Date: 08/07/2026**7. Quality Assurance & Compliance**

- a) Any non-conformance must be rectified **without additional cost**.
- b) AIESL reserves the right to reject non-compliant certificates.
- c) Repair shall be carried out immediately upon notification.

8. Payment Terms (GFR 2017 & GeM)

- a) Payment shall be made through GeM after submission of:
 - Calibration Certificate
 - Invoice
 - Delivery/Completion confirmation
- b) Payment timeline: As per Government norms (generally within 30 days).
- c) No advance payment shall be made unless permitted under GeM rules.

9. General Conditions

- a) AIESL reserves the right to accept/reject bids as per **GFR Rule 173**.
- b) Procurement shall adhere to **CVC guidelines on transparency and ethics**.
- c) Canvassing or influence will lead to disqualification.
- d) Jurisdiction: **Hyderabad**.
- e) GeM General Terms & Conditions shall apply.

Award of Contract

The contract shall be awarded to the **Lowest Technically Qualified Bidder (L1)** in compliance with **GeM and GFR provisions**.

Bidder's Declaration

The bidder shall submit the following declaration on GeM:

"We hereby certify that we have read and accepted all terms and conditions of this tender and that calibration services shall be carried out strictly as per Telangana State Factories Act and IS standards."

Place of Work : On-site Calibration Address:

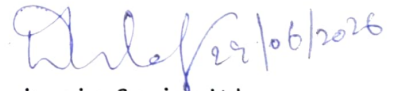
AI Engineering Services Ltd. (AIESL)

MRO Complex, Gate No. 03 RGIA, Shamshabad, Hyderabad – 500108, Telangana

Contact: 9160221608

14. Submission

Bidders are requested to submit their **best quotation on GeM portal** within the stipulated time.


For AI Engineering Services Ltd.

.. महा प्रबंधक (इंजीनियरिंग)
Dy. General Manager (E-PPMM)
आईएसएल/IESL, एमआरओ कॉम्प्लेक्स/MRO Complex
एनजीआईए/RGIA, शम्शाबाद/Shamshabad
-२५/२२, हैदराबाद/HYDERABAD