

Alexandria International Container Terminals (AICT)

Supply and Install Complete Raised Floor for National Operating Center Office (NOC)

Tender Reference: T/HUT/CIV/04/2025

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1.0 Project Overview and Objective

The objective of this SOW is to secure the complete supply, professional survey, preparation, installation, and commissioning of a high-quality raised access floor system within the designated area (702 SQM / NOC Office). The installed system must meet stringent load bearing and fire retirement standards as defined herein.

2.0 Scope of Work and Deliverables

The Contractor shall be responsible for the following complete, end-to-end services:

2.1 Survey and Design Verification

- **Site Survey:** Conduct a detailed, on-site survey to verify all critical dimensions, floor slab levelness, column locations, and wall clearances.
- **Design Confirmation:** Review and confirm the final floor height (FFH) and panel layout plan with the Client/Engineer.
- **Submittal Preparation:** Prepare and submit detailed shop drawings showing panel layout, pedestal grid, and ramp/stair placement for approval prior to mobilization.

2.2 Material Supply and Quality

- **Raised Floor Panels:** Supply heavy-duty panels meeting the following minimum specifications:
 - **Distributed Load:** Minimum 1200 Kg/m²
 - **Core Material:** High-density, non-combustible material (e.g., Calcium Sulphate or Cementitious core).
 - **Finishing:** *A Bare Finish panel is one where the top surface of the raised floor panel is simply the **manufactured core material** or the **epoxy powder-coated steel top sheet**.*
- **Understructure:** Supply a complete full-grid steel structure system, including:
 - **Pedestals:** Heavy-duty, corrosion-resistant steel pedestals with a locking feature for height adjustment and secure head plate.
 - **Stringers:** Full-perimeter steel stringers to connect pedestals on all four sides of every panel, creating a fully integrated grid for maximum stability and load distribution.
 - **Fasteners:** All necessary anchors, bolts, and locking nuts.

2.3 Installation and Execution

- **Layout and Leveling:** Accurately mark out the grid lines and install the steel pedestals and stringers according to the approved shop drawings.
 - **Tolerance:** The final floor height variation across the entire area shall not exceed 0.5 mm.
- **Panel Installation:** Install all raised floor panels, ensuring a tight fit and secure seating on the stringers.
- **Perimeter Trimming:** Professionally cut and trim perimeter panels to fit the walls and columns precisely.
- **Access/Egress:** Supply and install necessary ramps, steps, or perimeter trims as required for access points.

2.4 Testing, Handover, and Warranty

- **Final Inspection:** Conduct a joint inspection with the Client/Engineer to verify quality, levelness, and adherence to the SOW.
- **Load Testing:** Provide material certifications and test reports demonstrating the \$1200 Kg/m² distributed load rating.
- **Documentation:** Hand over a complete documentation package, including:
 - As-built drawings.
 - Material certifications (fire rating, load test).
 - Manufacturer's O&M (Operation & Maintenance) manuals.
 - Cleaning and maintenance instructions.
- **Warranty:** Provide a minimum *24-month* warranty covering materials and workmanship.

3.0 Contractor Responsibilities

- Provide all necessary labor, supervision, tools, equipment, and personal protective equipment (PPE).
- Adhere to all site safety regulations and permits.
- Ensure that all materials and installation methods comply with local building codes and standards.
- Manage waste disposal related to the installation.
- Coordinate with other trades on-site to minimize interface conflicts.

4.0 Acceptance Criteria

The raised floor system will be formally accepted after the Contractor has successfully:

1. Completed all installation tasks as defined in Section 2.3.
2. Achieved the specified level tolerances 0.5 mm.
3. Provided all required documentation and certifications (Section 2.4).
4. Rectified all punch-list items identified during the final inspection.

5.0 Commercial Terms & Conditions

1. Submission:

- The Supplier must submit **two separate sealed envelopes**:
 - o **Technical Offer** (no prices shall appear in this envelope).
 - o **Financial Offer** (must include the signed and stamped Pricing Form).
- The **Pricing Form is mandatory** and must be fully completed, stamped, and included **only** inside the Financial Offer envelope.
- Any offer submitted without the required two-envelope or without the official Pricing Form will be considered **non-compliant**.

2. Prices

- All prices must be quoted clearly in EGP and including VAT.
- Prices shall be quoted as Delivered, Installed, Tested, and Commissioned for National Operation Center (NOC), Maadi, Cairo, Egypt.
- Prices shall be fixed, firm, and non-adjustable for the entire validity and delivery period.
- Any variation in technical specifications must be listed.

3. Delivery Period

- The Supplier must clearly state:
 - Delivery time for materials to NOC Maadi.
 - Installation and leveling duration.
 - Total completion period.
- Delay penalty shall be applied at **1% per week**, max **20%** of contract value.

4. Payment Terms

- **50%** after delivery and installation, **50%** after testing, inspection, and acceptance by Civil Engineering Team,

5. Warranty & Retention

- Warranty period: **minimum 24 months**.
- **5% retention** for the full warranty period.

6. Validity

- 120 days from offer closing date.