



## **EXPRESSION OF INTEREST (EOI)**

### **International Invitation for Non-Destructive Testing (NDT) – Structural Integrity Inspection of HHMC Ship-to-Shore (STS) Quay Cranes**

**Procurement Reference No.: CHC/EOI/NDT/01/2026**

#### **1. Introduction**

The Cargo Handling Corporation Ltd (CHCL), a state-owned company operating at the Port Louis Harbour, invites local and international qualified firms to submit an Expression of Interest (EOI) for the provision of Non-Destructive Testing (NDT) – Structural Integrity Inspection on Three (03) HHMC Ship-to-Shore Quay Cranes: QC01, QC02, and QC03 and Two (02) IMCC Cranes STS99 and STS100.

This EOI is being issued pursuant to the Public Procurement Act 2006 (PPA 2006), the Public Procurement Regulations 2008 (PPR 2008), and guidelines issued by the Public Procurement Office (PPO).

Qualified firms that express interest and meet the eligibility requirements will subsequently be invited to participate in a Restricted Bidding Process, where detailed Bidding Documents will be issued.

#### **2. Objective of the Assignment**

In alignment with manufacturer maintenance strategy recommendations, the objective is to undertake a comprehensive structural integrity assessment of terminal HHMC Quay Cranes QC01, QC02, and QC03, and IMCC Quay Cranes, STS99 and STS 100.

The inspection aims to:

- Identify and document structural defects (cracks, fatigue, corrosion, deformation).
- Ensure operational safety, reliability, and compliance with international standards.
- Detect early defects that may lead to catastrophic structural failure.

### **3. Scope of Services**

#### **3.1 Pre-Inspection Activities**

- Review of engineering drawings, previous inspection reports, and maintenance records.
- Preparation of Risk Assessment and Method Statement (RAMS).
- Job Safety Analysis (JSA) and toolbox talk prior to mobilisation.
- Coordination with CHCL crane management for access and shutdown planning.

#### **3.2 NDT Methods (as required)**

- Visual Testing (VT)
- Ultrasonic Testing (UT) (thickness, flaw detection)
- Magnetic Particle Testing (MT)
- Eddy Current Testing (ET)
- Penetrant Testing (PT)
- Radiographic Testing (RT) (optional, if required)

#### **3.3 Structural Areas to Be Inspected**

(Refer to Annexed Drawings Provided in Bidding Stage)

- Slewing bearing assembly and frame support
- Boom structure and main girder connections
- Trolley rail and structural supports
- Tower column welds and base joints
- Luffing and hoisting mechanism structural components
- Access platforms, ladders, and railings
- Counterweight supports
- Headblock assemblies

#### **3.4 Reporting Requirements**

Detailed technical report covering:

- Test procedures and methods used
- Findings and defect mapping
- Photographic records
- Recommendations for repairs or continued use
- Standards referenced (ISO 9712, ASNT, AWS D1.1, etc.)

#### **4. Deliverables**

The service provider shall produce:

- Method Statement and Risk Assessment
- NDT inspection reports with findings
- Marked-up drawings showing defect locations
- Certification of NDT personnel (ISO 9712 or ASNT Level II/III)
- Final summary report and formal close-out session with CHCL

#### **5. Personnel and Equipment Requirements**

- Lead inspector must be ASNT Level II certified
- Technicians must hold ASNT/ISO Level I or II qualifications
- All NDT equipment must carry valid calibration certificates
- Service provider must supply access equipment (man lifts, scaffolding, rope access)
- Appropriate PPE must be provided by the bidder

#### **6. Applicable Standards**

The works shall comply with (not limited to):

- ANSI/AWS D1.1-2002
- ISO 9712 – Qualification and Certification of NDT Personnel
- ASNT SNT-TC-1A
- API 2A-WSD (if applicable)
- AWS D1.1-04 Section 6
- OSHA 29 CFR 1926

#### **7. Assumptions and Exclusions**

- Power, lighting, and safe access will be provided by CHCL
- Cranes will be made available and taken out of service as required
- Repair works are excluded
- Electrical and non-structural inspections are excluded

#### **8. Duration per Crane**

The service provider shall specify:

Number of working days required per crane

Working hours per day

Proposed work schedule

A final start date will be mutually agreed with CHCL.

## 9. Eligibility Requirements

Interested firms must provide the following in their EOI submission:

- Company profile and years of experience
- Evidence of at least three (3) similar NDT structural integrity inspections on quay cranes or heavy port equipment
- List of key personnel with valid ISO/ASNT certifications
- List of equipment and calibration certificates
- Health & Safety compliance records
- Registration documents for local or international operation
- Evidence of financial capability (audited accounts for last 2 years)
- Any litigation history (if applicable)

## 10. Submission Details

Interested service providers should submit their EOIs electronically or physically in sealed envelopes labelled:

**“Expression of Interest – NDT Structural Integrity Inspection of HHMC STS Quay Cranes”**

**EOIs must be addressed to:**

**The Managing Director**

**Cargo Handling Corporation Ltd**

**Mer Rouge, Port Louis**

**Republic of Mauritius**

**Email: [registry.quotations@chcl.mu](mailto:registry.quotations@chcl.mu)**

## 11. Deadline for Submission

EOIs must be submitted no later than Wednesday, 15 April 2026 **up to 10.00 hours (local time) at latest.**

Late submissions will be rejected.

## 12. Disclaimer

CHCL reserves the right to accept or reject any EOI without assigning reasons. Only shortlisted firms will be invited to participate in the restricted bidding process. This EOI does not constitute a solicitation, offer, or contract.