

FEDERAL MINISTRY OF WORKS AND HOUSING

TENDER DOCUMENT

Project Title: Construction of Lekki-Epe Coastal Road Bridge Extension

Tender Reference Number: FMWH/CE/2025/0847

Issue Date: January 15, 2025

Submission Deadline: March 30, 2025, 3:00 PM WAT

SECTION 1: PROJECT OVERVIEW

1.1 Project Description

The Federal Ministry of Works and Housing invites qualified construction companies to submit bids for the design, construction, and commissioning of a 2.4-kilometer reinforced concrete bridge along the Lekki-Epe Expressway coastal corridor. The project forms part of the Lagos State Infrastructure Development Initiative aimed at reducing traffic congestion and improving coastal connectivity.

1.2 Project Scope

The successful contractor shall be responsible for:

- Detailed engineering design and structural analysis
- Site preparation and soil stabilization works
- Construction of bridge foundation (including pile driving to 45m depth)
- Erection of reinforced concrete superstructure
- Installation of drainage systems and safety barriers
- Road surfacing and lane markings (6-lane configuration)
- Street lighting and traffic management systems
- Environmental impact mitigation measures
- Quality assurance and testing protocols
- 24-month defects liability period

1.3 Project Location

The bridge will span from Admiralty Way Junction (Lekki Phase 1) to Chevron Drive (Lekki Phase 2), crossing the tidal lagoon section. GPS Coordinates: 6.4474° N, 3.4706° E

1.4 Project Duration

Contract Period: 24 months from commencement date Expected Commencement: May 1, 2025
Expected Completion: April 30, 2027

SECTION 2: ELIGIBILITY CRITERIA

2.1 Company Registration Requirements

Bidders must possess:

- Valid Corporate Affairs Commission (CAC) registration certificate
- Tax Clearance Certificate (current year - 2025)
- Evidence of registration with Federal Inland Revenue Service (FIRS)
- VAT registration certificate
- Pension Commission (PenCom) compliance certificate

2.2 Technical Requirements

Minimum Qualifications:

- Minimum 10 years of operational experience in civil engineering construction
- Successful completion of at least THREE (3) bridge construction projects within the last 7 years
- At least ONE (1) project must be a bridge exceeding 1.5km in length
- Evidence of projects with minimum contract value of ₦500 million each
- Current ISO 9001:2015 Quality Management certification
- ISO 14001:2015 Environmental Management certification
- ISO 45001:2018 Occupational Health and Safety certification

2.3 Financial Requirements

- Minimum annual turnover of ₦2 billion for the last 3 financial years (2022-2024)
- Audited financial statements for the last 3 years
- Evidence of access to credit facilities of at least ₦800 million
- Bank comfort letter confirming financial standing
- Current credit rating from recognized rating agency (minimum B+ rating)

2.4 Equipment and Resources

Bidders must demonstrate ownership or verifiable lease agreements for:

- Minimum 2 crawler cranes (100-ton capacity each)
- Concrete batching plant (60m³/hour capacity minimum)
- Piling equipment (capable of 45m depth)
- At least 10 heavy-duty trucks (15-ton capacity)
- Quality testing laboratory (on-site or contracted)
- Minimum 50 skilled technical staff (with evidence of COREN registration for engineers)

SECTION 3: TECHNICAL SPECIFICATIONS

3.1 Bridge Structure Design

Foundation:

- Bored reinforced concrete piles: Diameter 1200mm, depth 45m
- Pile cap: 3m x 4m x 2m (reinforced concrete, Grade C40)
- Number of piers: 18 units

Superstructure:

- Pre-stressed concrete box girders
- Span configuration: 12 spans of 200m each
- Deck width: 28 meters (6-lane configuration)
- Concrete grade: C50 minimum
- Reinforcement: High-yield deformed bars (460 N/mm²)

Load Specifications:

- Design live load: HA loading + 45 units HB loading (BS 5400 standards)
- Wind load: 2.0 kN/m² (100-year return period)
- Seismic considerations: Zone II seismic provisions

3.2 Materials Standards

All materials must comply with:

- Nigerian Building and Road Research Institute (NBRRI) specifications
- British Standards (BS) or equivalent international standards
- Federal Ministry of Works specifications for road and bridge works

Key Materials:

- Cement: Portland Cement (Grade 42.5), conforming to NIS 444
- Aggregates: Crushed granite (10mm, 20mm, dust), NIS 87 compliant
- Reinforcement steel: High-yield deformed bars, NIS 117 compliant
- Admixtures: Super-plasticizers and retarders (approved manufacturers only)

3.3 Quality Control and Testing

Mandatory tests include:

- Concrete cube strength tests (every 50m³ pour)
- Pile integrity testing (100% of piles)
- Soil investigation and bearing capacity tests
- Structural load testing before commissioning
- Non-destructive testing (NDT) for welds and joints

SECTION 4: PROJECT COST AND PAYMENT TERMS

4.1 Contract Value

Estimated Budget Range: ~~₦~~4.5 billion - ~~₦~~6.2 billion (Bidders must submit competitive pricing within this range)

4.2 Payment Schedule

- 10% Mobilization advance (upon signing and submission of performance bond)
- 15% Upon completion of foundation works (verified by project consultant)
- 25% Upon completion of 50% superstructure
- 30% Upon completion of 100% superstructure and deck
- 15% Upon commissioning and acceptance
- 5% Final payment (after 12-month defects liability review)

4.3 Price Adjustment

Price variation clause applicable based on:

- Federal Government approved inflation indices
- Exchange rate fluctuations (for imported materials only)
- Fuel price adjustments (maximum 10% of contract value)

4.4 Retention

5% retention deducted from each payment until practical completion Retention released after successful 24-month defects liability period

SECTION 5: SUBMISSION REQUIREMENTS

5.1 Technical Proposal

Bidders must submit:

- 1. Company Profile and Experience**
 - Company registration documents
 - Organizational structure and key personnel CVs
 - Evidence of similar projects (with client references)
- 2. Technical Methodology**
 - Detailed construction methodology and sequence
 - Project timeline (Gantt chart/CPM schedule)
 - Equipment deployment plan
 - Quality assurance plan
 - Health, Safety, and Environment (HSE) plan
 - Risk management strategy
- 3. Engineering Designs**
 - Preliminary structural designs (with calculations)
 - Geotechnical investigation report interpretation
 - Traffic management plan during construction
 - Environmental impact assessment

5.2 Financial Proposal

Submit in separate sealed envelope:

- Bill of Quantities (BoQ) - fully priced
- Breakdown of direct and indirect costs
- Cash flow projections
- Proposed payment schedule alignment

5.3 Supporting Documents

- Tax Clearance Certificate (2025)
- Certificate of Incorporation
- ISO certifications (9001, 14001, 45001)
- COREN registration certificates for key engineers
- Sworn affidavit of no litigation/bankruptcy proceedings

- Performance bond (10% of bid value) or bid security
- Bank comfort letter

SECTION 6: EVALUATION CRITERIA

6.1 Evaluation Process

Two-stage evaluation:

1. Technical evaluation (70% weight)
2. Financial evaluation (30% weight)

6.2 Technical Scoring Breakdown

- Company experience and past performance: 20 points
- Technical methodology and approach: 25 points
- Key personnel qualifications: 10 points
- Equipment and resources: 10 points
- HSE and quality management systems: 5 points

Minimum Qualifying Score: 49/70 points

6.3 Financial Evaluation

- Lowest evaluated bid price receives maximum 30 points
- Other bids scored proportionally
- Bids exceeding ₦6.2 billion will be disqualified

6.4 Award Criteria

Contract awarded to bidder with:

- Highest combined technical + financial score
- Meeting all mandatory eligibility requirements
- Acceptable financial standing and integrity checks

SECTION 7: TERMS AND CONDITIONS

7.1 Contract Type

Lump sum contract with price variation provisions

7.2 Performance Security

Successful bidder must provide:

- Performance bond: 10% of contract value
- Advance payment guarantee: Equal to mobilization amount
- Retention bond: May be substituted for cash retention (at contractor's option)

7.3 Insurance Requirements

Contractor must maintain:

- Contractor's All Risk (CAR) insurance
- Third-party liability insurance (minimum ₦500 million coverage)
- Professional indemnity insurance
- Workmen's compensation insurance

7.4 Liquidated Damages

₦2 million per week for delays beyond agreed completion date (maximum cap: 10% of contract value)

7.5 Dispute Resolution

- Negotiation → Mediation → Arbitration (Lagos Court of Arbitration)
- Governing Law: Laws of the Federal Republic of Nigeria

SECTION 8: SUBMISSION DETAILS

8.1 Submission Requirements

- Submit THREE (3) hard copies + ONE (1) digital copy (USB flash drive)
- Technical and financial proposals in separate sealed envelopes
- All documents must be signed by authorized company representative

8.2 Submission Address

The Permanent Secretary Federal Ministry of Works and Housing Procurement Department,
Room 405 Mabushi District, Abuja Federal Capital Territory, Nigeria

8.3 Deadline

Date: March 30, 2025 **Time:** 3:00 PM West Africa Time (WAT) **Note:** Late submissions will be rejected unopened

8.4 Bid Opening

Date: March 31, 2025 **Time:** 10:00 AM WAT **Venue:** Ministry Conference Room A, 4th Floor
Bidders or their representatives may attend

SECTION 9: SPECIAL CONDITIONS

9.1 Environmental Considerations

- Contractor must implement erosion control measures
- Waste management plan mandatory
- Protection of marine ecosystem during construction
- Noise and dust pollution mitigation
- Monthly environmental compliance reports

9.2 Community Engagement

- Employment of at least 60% local labor (from host communities)
- Corporate social responsibility (CSR) initiatives during project
- Regular community liaison meetings

9.3 Safety Requirements

- Zero fatality target
- Monthly HSE training for all site personnel
- Emergency response plan
- Personal protective equipment (PPE) mandatory
- Site safety audits (minimum monthly)

SECTION 10: CONTACT INFORMATION

Project Inquiries

Name: Engr. Olumide Fashola **Title:** Director, Civil Engineering Projects **Email:** procurement@fmwh.gov.ng **Phone:** +234-9-461-8000

Site Inspection

Pre-bid site inspection scheduled: **Date:** February 10-11, 2025 **Time:** 9:00 AM daily **Meeting Point:** Admiralty Way Junction, Lekki Phase 1 (Attendance recommended but not mandatory)

APPENDICES

Appendix A: Site Location Maps and Survey Data

Appendix B: Geotechnical Investigation Report

Appendix C: Bill of Quantities (BoQ) Template

Appendix D: Form of Tender and Contract Agreement

Appendix E: HSE and Quality Management Plan Templates

END OF TENDER DOCUMENT

This is a competitive tender process. The Federal Ministry of Works and Housing reserves the right to accept or reject any or all bids without assigning reasons.

Issued by: Federal Ministry of Works and Housing Procurement Unit January 15, 2025