TERMS OF REFERENCE (TOR)
TECHNICAL SPECIFICATIONS

Maintenance/Repainting and Restoration of Lighthouse, Port of Balingoan
(MPF-MOC-35-2025)

A. DESCRIPTION

The project is undertaken to preserve the structural integrity, functionality, and visibility of the existing lighthouse serving as a vital navigational aid for vessels entering and departing the Port of Balingoan. The scope of work includes surface preparation, repainting of the lighthouse exterior, minor structural repairs, corrosion control, and restoration of fixtures to ensure the lighthouse remains operational, weather-resistant, and compliant with maritime safety standards.

B. SCOPE OF WORKS

The contractor shall undertake the project in full accordance with unanimously accepted industry standards and procedures. The services to be rendered by the contractor shall include, but not be limited to, the following:

Consultation - Consult with the Authority, through the Engineering Services Division (ESD) Technical Staff, to ascertain the objectives and requirements of the services and confirm such requirements with the Authority.

Site Inspection - Conduct frequent ocular inspection and actual measurement at the site to determine the full extent of the required maintenance works.

Supply of Materials, Labor, and Equipment for the following scope of work, which may include but not be limited to:

NO.	WORK DESCRIPTION	UNIT	QUANTITY
1.0	**Supply of Materials for Steel and Structural Works**	lot	1.0
2.0	**Supply of Materials for Steel, Painting, and Electrical Works**	lot	1.0
3.0	**Supply of Materials for Fabrication Works of Steel Hand Rail**	lot	1.0

C. MATERIALS INVOLVED IN THE PROJECT

FENCE
6mm x 75x75mm x 6m. G.I. Square Tube
6mm x 50x50mm x 6m. G. I. Square Tube
No. 8 Steel Matting 50x50 Mesh 4' x 8'
3mm thk.x 25x25mm Angle Bar x 6m
50mm dia. G.I. Pipe Sch 40 x 6m.
38mm dia. G.I. Pipe Sch 40 x 6m.
4"dia.x0.04"x5/8" Cutting Disk
1/8 Welding Rod 6012
Razor Barbed Wire 10m
8mm dia. Plain Bar x6m.

MASONRY
Portland Cement (40 kls)
Washed Sand
3/4 Crushed Gravel

PAINTING
Flat Latex White
Elastomeric Water Proofing Acrylic Paint White
Epoxy Primer White
Epoxy Reducer
Quick Dry Enamel White
Lacquer Thinner
Paint Thinner
Paint Roller 7" with tray
Baby Roller Cotton
2" Paint Brush
rust converter

STEEL STRUCTURES
8mm x 100 x 100mm Angle Bar Galvanized x 6m.
6mm x 75 x 75mm Angle Bar Galvanized x 6m.
1/8 dia. Welding Rod-6012
4" Cutting Disk
No. 16 Plain Sheet 4'x8'

ELECTRICAL
Navigational Light (Light House) - Solar
No. 12 Stranded Copper Wire THHN
Electrical Tape
Rubber Tape
3/4" dia, PVC Pipe x 10'

FABRICATION OF STAIR HAND RAIL
50mm dia G.I. Pipe Sch 40 x 6m.
38mm dia. G.I. Pipe Sch 40 x 6m.
1/8 Welding Rod
4" dia. Cutting Disk Tyrolit
Epoxy Primer White
Enamel White
Portland Cement
Wash Sand
3/4 Crushed Gravel
Paint Thinner
Baby Roller Cotton with Handle
2" Paint Brush
No. 8 Steel Matting 50x50 Mesh 4' x 8'
1/8 dia. Welding Rod-6012

GATE
No. 8 Steel Matting 50x50 Mesh 4' x 8'
38mm dia. G.I. Pipe Sch 40 x 6m.
16mm dia. Barrel Hinges
3mmx25x25mm Angle Bar

D. LABOR COMPONENT

The contractor shall deploy the following labor personnel during the implementation of the project:

1.) Foreman
2.) Laborers (Skilled & Unskilled)

E. EQUIPMENT

The contractor shall provide at least the following equipment to facilitate work execution:

1.) Welding Machine
2.) Grinder
3.) Steel Scaffolds

F. TIMETABLE

The contractor shall commence all project-related activities **upon receipt** of the **Notice to Proceed (NTP)**. The mobilization, supply, and delivery of materials, as well as the required work, must be completed within **sixty (60)** calendar days from the commencement of activities.

Additionally, the contractor shall also submit to the ESD the **Pert/CPM** and **Bar Chart Schedules** for the project prior mobilization.

G. FIRM AND STAFF REQUIREMENTS

The contractor shall be responsible for ensuring the timely completion of the project and shall have personnel with sufficient technical background, experience, and capability to carry out the required work.

The ESD shall also assign a **Project Engineer-in-Charge**, who will oversee and manage the project throughout its entire duration.

Additionally, the following shall be strictly observed:

- All personnel must be provided with proper **Personal Protective Equipment (PPE)** such as hard hats, reflectorized vests, working shoes, face masks, and face shields.
- The contractor shall provide **disinfecting solutions** (e.g. alcohol and sanitizers) for the safety of their staff and crew.
- Compliance with applicable **health, safety, security, and environmental regulations** must be strictly observed throughout the duration of the project.

H. DELIVERABLES

The contractor shall deliver the following, which may include but not limited to:

- Complete execution of the project
- Proper disposal of waste and debris
- As-built Plan, documentation and/or reports, which will be submitted to the PMO.
- Certificate of Completion and Acceptance.
- Other deliverables pertaining to project completion.

I. PROJECT DOCUMENTATION REQUIREMENTS

The contractor shall **prepare** and submit a **printed copy of the project's As-Built Plan** upon completion of the project, and shall undergo the following review and approval process:

- **Checked** by the **Project Engineer-in-Charge of the PMO;**
- **Reviewed** by the **ESD Manager;** and,
- **Approved** by the **Port Manager**

Submission of the As-Built Plan shall be a **prerequisite** to the issuance of the Certificate of Completion and Acceptance and subsequent processing of final payment.

J. SCHEDULE OF PAYMENTS

All payments shall be processed **only upon completion** and issuance of a **Certificate of Completion and Acceptance** and shall be subject to prevailing accounting rules and regulations.

K. BUDGET

The Approved Budget of the Contract for the project for the ***Maintenance/Repainting and Restoration of Lighthouse, Port of Balingoan*** **(MPF-MOC-35-2025)** is Six Hundred Thousand and 00/100 only (**₱ 600,000.00**).

L. MODE OF PROCUREMENT/QUALIFICATION OF BIDDERS

The contract for the ***Maintenance/Repainting and Restoration of Lighthouse, Port of Balingoan (MPF-MOC-35-2025)*** shall be procured through Small Value Procurement, in accordance with Section 53.9 and Annex "H" of the 2016 Revised Implementing Rules and Regulations of RA 9184.

Interested bidders must submit their proposals on or before ***August 08, 2025 at 08:30 A.M***, at the ***PPA, PMO Misamis Oriental/Cagayan de Oro, Port Area, Macabalan, Cagayan de Oro City***. Prospective bidders will be evaluated based on a non-discretionary "pass/fail" criterion, and shall submit the updated/renewed printed copies of the following documents as part of the technical/financial proposal/envelope:

1.) Technical Proposal

a. Updated PhilGEPS Certificate of Registration, with corresponding Annexes and attachments
b. Income/Business Tax Return
c. Omnibus Sworn Statement

2.) Financial Proposal

a. Duly Accomplished Request for Quotation

Prepared by:

KAREL T. SUMICAD
Construction Foreman

Recommending Approval:

ANTONIO M. TORCINO, JR.
Acting ESD-Manager

Approved:

Digitally signed by
Fernando B. Mapalo, Jr.
Date: 2025.08.01
15:37:02 +08'00'

FERNANDO B. MAPALO, JR.
Port Manager