**TECHNICAL SPECIFICATIONS**

**TERMS OF REFERENCE**

**MAINTENANCE OF PUMP HOUSE,**
**PORT OF CAGAYAN DE ORO (MPF-MOC-15-2025)**

## A. DESCRIPTION

The pump house plays a critical role in the water supply system by housing and protecting key mechanical and electrical components that facilitate water distribution. The project aims to undertake the maintenance of pump house for the Port of Cagayan de Oro. The goal of this project is to promote system efficiency, minimize downtime, prevent equipment failures and comply with safety and environmental regulations.

## B. OBJECTIVES

The objective is to supply all necessary materials, tools, labor and equipment for the maintenance of pump house. This includes, but is not limited to:

- To ensure uninterrupted operation of the pump house
- To prevent mechanical and electrical failures
- To improve the overall safety and reliability of water supply

## C. GENERAL SCOPE OF WORKS

The contractor shall undertake the project in accordance with the accepted industry standards and procedures.

The services to be rendered by the said supplier shall include but not limited to the following:

1. Consult with the Authority, thru the Engineering Services Division Technical Staff, to ascertain the objectives and requirements of the services and confirms such requirements to the Authority.
2. Conduct ocular inspection of all components and conduct actual measurement at the site.
3. Supply of materials, labor, tools and equipment for the following scope of works:

| DESCRIPTION OF WORK | UNIT | QUANTITY |
|---|---|---|
| 1.0 WATER REPIPING AND REPLACEMENT OF EXISTING VALVES, PRESSURE SWITCH AND CONTROLLER | LOT | 1.00 |
| 2.0 REWIRING OF POWER SUPPLY AND REFURBISHMENT OF CONTROL PANEL | LOT | 1.00 |
| 3.0 UNDERGROUND CABLE AND PIPING LAYOUT FROM PUMP HOUSE TO ELEVATED WATER TANK | LOT | 1.00 |

4. Supply of the following needed manpower:
   a. Electrician
   b. Foreman
   c. Pipe Fitter
   d. Skilled Labor

5. Supply of the following tools/equipment:
   a. Portable Grinder
   b. Welding Machine
   c. Concrete Cutter
   d. Electric Demolition Hammer

6. Perform other services or reasonable tasks that relate to the foregoing deliverables, which the Authority or its authorized representative may direct.

## D. MATERIAL SPECIFICATIONS

### ITEM 1.0 : WATER REPIPING AND REPLACEMENT OF EXISTING VALVES, PRESSURE SWITCH AND CONTROLLER

**DESCRIPTION**

The work includes the supply of materials, labor, tools and equipment for the repiping and replacement of existing valves, pressure switch and controller of the water piping system of the pump house.

### ITEM 2.0 : REWIRING OF POWER SUPPLY AND REFURBISHMENT OF CONTROL PANEL

**DESCRIPTION**

The work includes the supply of materials, labor, tools and equipment for the rewiring of power supply and refurbishment of control panel.

### ITEM 3.0 : UNDERGROUND CABLE AND PIPING LAYOUT FROM PUMP HOUSE TO ELEVATED WATER TANK

**DESCRIPTION**

The work includes the supply of materials, labor, tools and equipment for the underground cabling and piping layout from pump house to elevated water tank.

## E. TIMETABLE

The contractor shall commence the activities effective a day after the receipt of the Notice to Proceed. The completed project shall be delivered, installed, tested and made operational within Sixty (60) calendar days from the commencement of the activities.

## F. FIRM AND STAFF REQUIREMENTS

The contractor shall be responsible in ensuing the timely completion of the project and shall have personnel complementation of adequate technical background, experience and capability.

The contractor shall provide appropriate personal protective equipment (PPE) such as hard hat, safety reflectorized vest, full-body harness, gloves and other appropriate PPE to their staff and crew when working on the project.

## G. SCHEDULE OF PAYMENTS

All payments shall be processed only upon completion and issuance of a Certificate of Completion and Acceptance, subjected to accounting and auditing rules and regulations. The contractor

## H. BUDGET

The Approved Budget of the Contract for the project "***MAINTENANCE OF PUMP HOUSE, PORT OF CAGAYAN DE ORO***" is ***Nine Hundred Ninety Thousand and 00/100 Pesos (Php 990,000.00).***

## I. MODE OF PROCUREMENT/QUALIFICATION OF BIDDERS

The contract for the **MAINTENANCE OF PUMP HOUSE, PORT OF CAGAYAN DE ORO** 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 July 25, 2025, at 08:30 AM 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:

| | |
|---|---|
| ***Technical Proposal*** | • ***Updated PhilGEPS Certificate of Registration, with corresponding Annexes***<br>• ***Income/Business Tax Return***<br>• ***Omnibus Sworn Statement*** |
| ***Financial Proposal*** | • ***Duly Accomplished Request for Quotation*** |

PREPARED & SUBMITTED BY:

**GABRIELE D. MONDOÑEDO**
Senior Engineer A

RECOMMENDING APPROVAL:

**ANTONIO M. TORCINO, JR.**
Acting ESD Manager

APPROVED:

Digitally signed by Fernando B. Mapalo, Jr.
Date: 2025.07.18 [illegible]

**FERNANDO B. MAPALO JR.**
Port Manager, PMO-MOC