TECHNICAL SPECIFICATIONS

TERMS OF REFERENCE

Maintenance of Public Toilet, Port of Cagayan de Oro

(MPF-MOC-08-2025)

A. DESCRIPTION

The project aims to store and supply water at reliable water pressure without the need of continuous pumping. By being elevated, the tank uses gravity to create water pressure. Acts as backup water source during pump failures or power outages. This project also provides replacement of plumbing fixtures of the Amenity Building.

B. SCOPE OF WORKS

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

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

1. **Consultation**: Consult with the Authority, through the Engineering Services Division Technical Staff, to ascertain the objectives and requirements of the services and confirm such requirements with the Authority.
2. **Site Inspection**: Conduct ocular inspection and actual measurement at the site.
3. **Supply of Materials, Labor, and Equipment** for the following scope of work:

DESCRIPTION OF WORK	UNIT	QUANTITY
I. Replacement of Plumbing Fixture of Amenity Building		
1.Chipping/Disposal of wall tiles	Lot.	1
Provide all necessary labor, materials, and equipment for the chipping/disposal of wall tiles		
2.Installation of Plumbing Fixtures	Lot.	1
Provide all necessary labor, materials, and equipment for the Installation of plumbing fixtures		
3.Tileworks	Sq.m.	10.80
Provide all necessary labor, materials, and equipment for the Installation of plumbing fixtures tiles.		
II. Construction of tank elevated platform		
1.Demolition/Excavation of existing pavement	Cu.m	5.47
Provide all necessary labor, materials, and equipment for the demolition and exaction of existing pavement.		
2.Concrete (Foundation)	Cu.m	2.49
Provide all necessary labor, materials, and equipment for the concrete foundation of the elevated platform.		
3.Reinforment (Foundation)	Kgs.	465.97
Provide all necessary labor, materials, and equipment for the concrete foundation of the elevated platform.		
4.Steelworks (Framings and steel ladder)	Kgs.	1591.27
Provide all necessary labor, materials, and equipment for the steel forms of the elevated platform.		
5.Painting Works	Sq.m	68.48
Provide all necessary labor and materials for the painting works of the elevated platform.		

6.Installation of cylindrical flat bottom PE water storage tank	Unit	1
Provide all necessary labor, materials and equipment for the pa Installation of cylindrical flat bottom PE water storage tank.		
7.Backfilling Works	Cu.m.	2.98
Provide all necessary labor, materials and equipment for the backfilling works.		
8.Plumbing Fittings and Accessories	lot	1
Provide all necessary labor, materials and equipment for the installation of plumbing fittings and accessories		

C. MATERIALS INVOLVED IN THE PROJECT

Water Closet -Dual Flush Siphon Jet Dual Flush-3Ltrs/6Ltrs(soft closed)
Wall hung Lavatory with stainless P-trap
1/2"dia. Stainless Bidet
Urinal
Lavatory stainless faucet
PPR reducer 1" to 1/2" dia.
PPR elbow 1/2" dia.
PPR elbow female 1/2" dia.
PPR pipe 1/2" dia x 4m
3-way stainless angle valve
30cmx60cm Unglazed Ceramic Tiles (non-skid)
Tile Adhesive, 25kg
Tile Grout, 2kg
¾"Gravel
Sand
Portland Cement
Form lumber
Plywood
Assorted CW Nails
Deformed Reinforcing Steel
#16 Galvanized Iron Wire
8mm x 100mm x100mm angle bar
6mmx64mmx64mm angle bars
6mmx50mmx50mm angle bars
6mmx25mmx25mm angle bars
6mm thk Gusset Plate
6mmx50x50mm flat bar
16mm round bar
12mm round bar
12mm thk Steel Plate
38mmdia G.I. Pipe Sch 40
25mm dia G.I. Pipe Sch 40
Acetylene
Oxygen
Welding Rod
Red Oxide Primer
Enamel Paint
Paint Thinner
Tinting Color

Cylindrical Flatbottom PE Water Storage Tank (4000 liters)

1" Check valve (brass)
1" PPR Pipe
Stainless Pressurized water tank, 79.25Gals w/ complete accessories
Automatic Switch and Pressure Guage
1"dia. float valve
1"dia. foot valve with strainer
1" dia Gate Valve (brass)
1" dia. PPR male adaptor
1"dia. G.I. pipe
1"dia. G.I. elbow
1"dia. PPR. elbow

D. LABOR COMPONENT

1. Foreman
2. Skilled Laborer
3. Unskilled Laborer

E. EQUIPMENT

Portable Chipping gun
Mini Dumptruck
Backhoe (0.28cu.m)
Concrete Saw
Mini Dumptruck
One Bagger Mixer

Cutter bar
Bender

Welding Machine
Cutting Outfit
BoomTruck

D. TIMETABLE

The supplier/contractor shall commence activities on the day following receipt of the Notice to Proceed. The mobilization, supply, and delivery of materials, as well as the required work, must be completed within forty five (45) calendar days from the commencement of activities. Additionally, the supplier/contractor shall immediately submit the Pert/CPM and Bar Chart Schedules for the project to the ESD Office.

E. FIRM AND STAFF REQUIREMENTS

The supplier/contractor shall be responsible for ensuring the timely completion of the project and shall have personnel with adequate technical background, experience, and capability.

The supplier/contractor shall provide the minimum appropriate personal protective equipment (PPE) such as hard hats, reflectorized vests, working shoes, face masks, and face shields, and shall provide disinfecting solutions such as alcohol and sanitizers to their staff and crew.

The supplier/contractor shall submit to the Port Management Office (PMO), through the PPD Office, a list of their key personnel, workers, and equipment operators, as well as a list of vehicles and equipment, if applicable, that will enter the port premises. All personnel are required to undergo an online orientation, such as the Basic Port Operation Seminar (BPOS), which is conducted every Tuesday. Upon completion, they will be issued identification cards subject to a minimum fee as prescribed by the PMO.

F. SCHEDULE OF PAYMENTS

All payments shall be processed only upon the completion of the project and the issuance of a Certificate of Completion and Acceptance, in accordance with applicable accounting and auditing rules and regulations. The contractor shall also submit a printed copy of the project's As-Built Plan to the Port Management Office (PMO).

G. BUDGET

The Approved Budget of the Contract for the project for the *Maintenance of Public Toilet, Port of Cagayan de Oro (MPF-MOC-08-2025)* is Nine Hundred Thousand and 00/100 Pesos (**₱ 900,000.00**).

H. MODE OF PROCUREMENT/QUALIFICATION OF BIDDERS

The contract for the *Maintenance of Public Toilet, Port of Cagayan de Oro (MPF-MOC-08-2025),* 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 *June 27, 2025, at 8:30 A.M*, at the address provided. 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:

- PhilGEPS Certificate of Registration, with corresponding Annexes
- Certificate of Registration from SEC/DTI whichever is applicable
- Valid Mayor's Permit
- PCAB License
- Income/Business Tax Return
- Omnibus Sworn Statement

Financial Proposal:

- Duly accomplished, Request for Quotation (RFQ)
- Canvass Form

Prepared by:

MARC M. AVELLANA
Supervising Engineer A

Recommending Approval:

ANTONIO M. TORCINO, JR.
OIC - ESD-Manager

Approved:

Digitally signed by
Fernando B. Mapalo, Jr.
Date: 2025.06.20 10:39:22
+08'00'

FERNANDO B. MAPALO, JR.
Acting Port Manager