

TECHNICAL SPECIFICATIONS

TERMS OF REFERENCE

Supply of Materials, Labor, and Equipment for the Materials Recovery Facility,
Port of Benoni (MPF-MOC-39-2025)

A. DESCRIPTION

The project aims to establish a Materials Recovery Facility (MRF) to efficiently separate and process recyclables, reduce landfill waste, recover valuable resources, and enhance the Port’s waste management system.

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
1.01. Structural Steel Framing: Post and Base Floor Framing	Sq.m.	9.76
Provide all necessary labor, materials, and equipment for the construction, fabrication, and installation of columns (posts) and base floor framing, including all associated hot works.		
1.02. Structural Steel Framing: Girt, walling, partitions, and doors	Sq.m.	43.44
Provide all necessary labor, materials, and equipment for the construction, fabrication, and installation of girts, wall panels, partitions, and doors.		
1.03. Structural Steel Framing: Roof Framing	Sq.m.	20.80
Provide materials, labor, and equipment for the fabrication and installation of Roof framing		
2.00. Flooring	Sq.m.	9.76
Provide materials, labor, and equipment for the fabrication and installation of MRF’s Flooring		
3.00. Roofing	Sq.m.	17.68
Provide materials, labor, and equipment for the fabrication and installation of MRF’s Roofing		
4.00 Steel Matting and Metal Sheet Walling	Sq.m.	41.06
Provide materials, labor, and equipment for the fabrication and installation of MRF’s Roofing		
5.00 Signages/Markings	lot	1.00
Provide materials, labor, and equipment for the fabrication and installation of MRF’s Signages		

6. MRF Floor Plan/Drawing (See Annex A)		
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C. MATERIALS INVOLVED IN THE PROJECT

Steel Channel, 100mmx50mmx4mm thk x 6mL
 Angle Bar, 75mmx75mmx4mm thk x 6mL
 Cutting Disc, 400mmØ
 Welding Rod, 1/8" x 6012
 Grinding Disc, 100mmØ
 Angle Bar, 50x50x4mmx6mL
 Angle Bar, 38x38x3mmx6mL
 Angle Bar, 25x25x3mmx6mL
 Cutting Disc, 400mmØ
 Welding Rod, 1/8" x 6012
 Grinding Disc, 100mmØ
 Barrel Bolt, assembly
 Angle Bar, 50x50x4mmx6mL
 C-Purlins, 50x75x1.2mm thk
 Cutting Disc, 400mmØ
 Welding Rod, 1/8" x 6012
 Grinding Disc, 100mmØ
 Plyboard, 1.2m x 2.4m x 25mm thk.
 Angle bar, 38x38x3mmthk. X 6mL
 Welding Rod, 1/8" x 6012
 Grinding Disc, 100mmØ
 Roofing Sheet, 0.4mm thk., Rib-Type, Pre-Painted
 Ridge Roll, Pre-bended, Pre-painted, 2.4mL
 Teck Screw, 1/8" x 1 1/2
 Blind Rivets
 Steel Matting 1.20x2.40x3mm thk wire, 50mm sq. hole
 Metal Sheet, Pre-painted, Rib-Type, 0.4mmthk x 1mW
 Teck Screw, 1/8" x 1 1/2
 Welding Rod
 Plywood, Marine, 6mm thk
 Paint, Enamel

D. LABOR COMPONENT

1. Foreman
2. Carpenter
3. Painter/labor
4. welder

E. EQUIPMENT

1. Welding Machine
2. Bar cutter
3. Portable grinder
4. cutting outfit w/ Acetylene/oxygen
5. electric drill

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.

F. SCHEDULE OF PAYMENTS

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

G. BUDGET

The Approved Budget of the Contract for the project for the *Supply of Materials, Labor and Equipment for the Materials Recovery Facility Port of Benoni (MPF-MOC-39-2025)* is One Hundred Ninety-nine Thousand Nine Hundred Eighty-three and 00/100 Pesos (₱ **199,983.00**)

H. MODE OF PROCUREMENT/QUALIFICATION OF BIDDERS

The contract for the *Supply of Materials, Labor and Equipment for the Materials Recovery Facility Port of Benoni (MPF-MOC-39-2025)* 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 *May 19, 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:

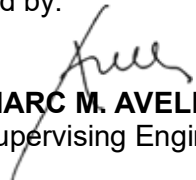
Technical Proposal:

- 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

Prepared by:


MARC M. AVELLANA
Supervising Engineer A

Recommending Approval:


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

Approved:


FERNANDO B. MAPALO, JR.
Acting Port Manager