

TECHNICAL SPECIFICATIONS

TERMS OF REFERENCE

Maintenance of Pedestrian Lane, Center Lines, Curbs and Parking Areas, Port of Cagayan de Oro (MPF-MOC-03-2025)

A. DESCRIPTION

The project aims to improve the pedestrian lanes in the Port by using thermoplastic pavement markings, a hot-applied road surface material known for its durability and high visibility. This type of marking offers enhanced safety by clearly defining pedestrian walkways, reducing the risk of accidents in busy port areas. It is especially effective in withstanding heavy traffic and harsh weather, with reflective properties that improve visibility at night and in wet conditions. Using thermoplastic markings also ensures longer service life and reduced maintenance costs compared to traditional paint. The application shall follow DPWH standard specifications to ensure quality and compliance with national safety standards.

• Application Specifications

<u>Parameter</u>	<u>Requirements</u>
Heating Temperature	180°C to 210°C (do not exceed 220°C to prevent burning)
Surface Preparation	Clean, dry, dust-free. Primer/sealer applied on concrete surfaces.
Application Thickness	2.5 mm to 3.0 mm (125 mils)
Glass Bead Drop-on Rate	300 to 400 g/m² (during application for night visibility)
Application Methods	Manual or machine spray/extrusion
Ambient Temperature	> 10°C for proper adhesion
Traffic Opening Time	Typically 2–5 minutes after cooling

• Pedestrian Lane Dimensions (Philippine Standard - DPWH)

<u>Feature</u>	<u>Standard</u>
Bar width	300 mm to 600 mm
Bar spacing	Equal to bar width
Lane width	2.4 m to 4.0 m
Color	White only
Material	Thermoplastic (preferred for durability and reflectivity)

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
<b>1. Thermoplastic Pavement Markings</b>	Lot	1
Provide all necessary labor, materials, and equipment for the maintenance of the Pedestrian Lane using thermoplastic pavement markings at the Ports of Cagayan de Oro and Balingoan		

**C. MATERIALS INVOLVED IN THE PROJECT**

Thermoplastic Paint (White) 25kg  
 Glass Beads  
 Primer  
 LPG (50kg)  
 LPG (12kg)  
 Calsumine  
 Miscellaneous materials

**D. LABOR COMPONENT**

1. Foreman
2. Skilled Laborer
3. Unskilled Laborer

**E. EQUIPMENT**

1. Cargo Truck / Delivery Truck (5T)
2. Applicator Machine
3. Kneading Machine
4. Minor tools

**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 (30) 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 Pedestrian Lane, Center Lines, Curbs and Parking Areas, Port of Cagayan de Oro (MPF-MOC-03-2025)*, is Nine Hundred Ninety Thousand Two-hundred Eighty and 00/100 Pesos (**₱ 990,280.00**).

## H. MODE OF PROCUREMENT/QUALIFICATION OF BIDDERS

The contract for the *Maintenance of Pedestrian Lane, Center Lines, Curbs and Parking Areas, Port of Cagayan de Oro (MPF-MOC-03-2025)*, 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 30, 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

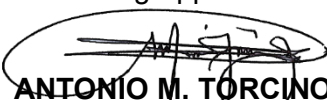
### Financial Proposal:

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

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