



MANAPLA WATER DISTRICT

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BID BULLETIN NO. 1

BID REFERENCE NO. MWD-PR-0721-065

30 July 2021

DESIGN AND BUILD CONTRACT FOR THE MANAPLA WATER DISTRICT FOR THE PROVISION OF WATER SUPPLY TO NHA PERMANENT HOUSING IN YOLANDA AFFECTED AREAS

This bid bulletin is issued pursuant to Section 22.5 of the Republic Act 9184 and its Revised Implementing Rules and Regulations to clarify and/or amend certain provisions in the Bidding Documents intended for this project in consideration of the issues raised and clarifications made by prospective bidders during the Pre-bid Conference held on July 30, 2021 at the Manapla Municipal Library. Furthermore, this bid bulletin shall form an integral part of the Bidding Documents.

REFERENCE	AMENDMENTS/CHANGES/ CLARIFICATION
<p>SECTION VI. TECHNICAL SPECIFICATION</p> <p>III. PROJECT DESCRIPTION</p> <p>Special Instruction/Information to Bidders</p> <p>➤ Brgy. Santa Teresa Resettlement Site (Emmanuel Homes) Page 37</p> <p>6. Iron and manganese filtration facility and its accessories. Supply, delivery, installation, testing and commissioning of the Filtration System. Also included in this work item are the following:</p> <ul style="list-style-type: none">○ Chlorine Dioxide Dosing system (Oxidation Agent);○ Filtration Tank/System;○ Filter Media;○ Backwash mechanism/system; and○ Interconnecting pipes and fittings, flow meters and valves;	<p>SECTION VI. TECHNICAL SPECIFICATION</p> <p>III. PROJECT DESCRIPTION</p> <p>Special Instruction/Information to Bidders</p> <p>➤ Brgy. Santa Teresa Resettlement Site (Emmanuel Homes)</p> <p>6. Iron and manganese filtration facility and its accessories. Supply, delivery, installation, testing and commissioning of the Filtration System. Also included in this work item are the following:</p> <ul style="list-style-type: none">○ <u>Chlorine Dosing system (Oxidation Agent);</u>○ Filtration Tank/System;○ Filter Media;○ Backwash mechanism/system; and○ Interconnecting pipes and fittings, flow meters and valves;

SECTION VI. TECHNICAL SPECIFICATION

III. PROJECT DESCRIPTION

Special Instruction/Information to Bidders

- **Brgy. Punta Salong Resettlement Site (Brooksville 1 & 2)**
Page 38

6. Iron and manganese filtration facility and its accessories. Supply, delivery, installation, testing and commissioning of the Filtration System. Also included in this work item are the following:

- Chlorine Dioxide Dosing system (Oxidation Agent);
- Filtration Tank/System;
- Filter Media;
- Backwash mechanism/system; and
- Interconnecting pipes and fittings, flow meters and valves;

SECTION VI. TECHNICAL SPECIFICATION

III. PROJECT DESCRIPTION

Special Instruction/Information to Bidders

- **Brgy. Punta Salong Resettlement Site (Brooksville 1 & 2)**

6. Iron and manganese filtration facility and its accessories. Supply, delivery, installation, testing and commissioning of the Filtration System. Also included in this work item are the following:

- **Chlorine Dosing system (Oxidation Agent);**
- Filtration Tank/System;
- Filter Media;
- Backwash mechanism/system; and
- Interconnecting pipes and fittings, flow meters and valves;

SECTION VI. TECHNICAL SPECIFICATION

III. PROJECT DESCRIPTION

DETAILED DESCRIPTION OF SCOPE OF WORKS

Design and Build Scheme (DBS) Contract:

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6. Iron and Manganese Filtration Facility

Work involves the supply, delivery, installation, testing and commissioning of the Filtration System. Also included in this work item are chlorine dioxide dosing system (Oxidation Agent), filtration tank/system, filter media, backwash mechanism/system, and interconnecting pipes and fittings, flow meters and valves. Refer to conceptual design/specifications/parameters for the filtration facility.

The water treatment process is illustrated on Section VII – Drawings. These systems shall be constructed and operated at Brgy. Santa Teresa Resettlement Site (Emmanuel Homes) and Brgy. Punta Salong Resettlement Site (Brooksville 1 & 2).

SECTION VI. TECHNICAL SPECIFICATION

III. PROJECT DESCRIPTION

DETAILED DESCRIPTION OF SCOPE OF WORKS

Design and Build Scheme (DBS) Contract:

6. Iron and Manganese Filtration Facility

Work involves the supply, delivery, installation, testing and commissioning of the Filtration System. Also included in this work item are **chlorine dosing system (Oxidation Agent)**, filtration tank/system, filter media, backwash mechanism/system, and interconnecting pipes and fittings, flow meters and valves. Refer to conceptual design/specifications/parameters for the filtration facility.

The water treatment process is illustrated on Section VII – Drawings. These systems shall be constructed and operated at Brgy. Santa Teresa Resettlement Site (Emmanuel Homes) and Brgy. Punta Salong Resettlement Site (Brooksville 1 & 2).

SECTION VI. TECHNICAL SPECIFICATION

IV. DESIGN CRITERIA / SPECIFICATIONS / PARAMETERS / OTHER REQUIREMENTS

D. FOR IRON AND MANGANESE FILTRATION FACILITY FOLLOWING CRITERIA AND TERMS OF REFERENCE MUST BE UTILIZED:

(Page 49)

6. No backwash water tank required. Backwash pump must be backed up with another pump of the same specifications and quality.
7. Complete chlorine dosing systems with chlorine dioxide is included. Chlorine Dioxide must be 15% active with NSF ANSI 60 certification.

SECTION VI. TECHNICAL SPECIFICATION

IV. DESIGN CRITERIA / SPECIFICATIONS / PARAMETERS / OTHER REQUIREMENTS

D. FOR IRON AND MANGANESE FILTRATION FACILITY FOLLOWING CRITERIA AND TERMS OF REFERENCE MUST BE UTILIZED:

6. No backwash water tank required. The backwash water generated from the filtration system will be directly discharged to the sewer system. Backwash pump must be backed up with another pump of the same specifications and quality.
7. Complete chlorine dosing systems with chemical oxidant must be included. The oxidizing agent/chemical oxidant to be utilized must be Sodium Hypochlorite.

SECTION VIII. BILL OF QUANTITIES

SCHEDULE A: BREAKDOWN OF PRICES

No.	Item
3	BRGY. SANTA TERESA RESETTLEMENT SITE (EMMANUEL HOMES)
3.5.	IRON AND MANGANESE FILTRATION FACILITY Page 105
3.5.2	Chlorine dioxide Dosing System

SECTION VIII. BILL OF QUANTITIES

SCHEDULE A: BREAKDOWN OF PRICES

No.	Item
3	BRGY. SANTA TERESA RESETTLEMENT SITE (EMMANUEL HOMES)
3.5.	IRON AND MANGANESE FILTRATION FACILITY
3.5.2	<u>Chlorine Dosing System</u>

SECTION VIII. BILL OF QUANTITIES

SCHEDULE A: BREAKDOWN OF PRICES

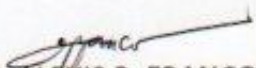
No.	Item
4	BRGY. PUNTA SALONG RESETTLEMENT SITE (BROOKSVILLE 1 & 2)
4.5.	IRON AND MANGANESE FILTRATION FACILITY Page 108
4.5.2	Chlorine dioxide Dosing System

SECTION VIII. BILL OF QUANTITIES

SCHEDULE A: BREAKDOWN OF PRICES

No.	Item
4	BRGY. SANTA TERESA RESETTLEMENT SITE (EMMANUEL HOMES)
4.5.	IRON AND MANGANESE FILTRATION FACILITY
4.5.2	<u>Chlorine Dosing System</u>

For the guidance and information of all concerned.


MS. ALEXIS P. FRANCO

Chairperson, Bids and Awards Committee



BID BULLETIN NO. 2

BID REFERENCE NO. MWD-PR-0721-065

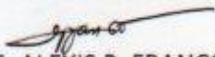
3 August 2021

DESIGN AND BUILD CONTRACT FOR THE MANAPLA WATER DISTRICT FOR THE PROVISION OF WATER SUPPLY TO NHA PERMANENT HOUSING IN YOLANDA AFFECTED AREAS

This bid bulletin is issued pursuant to Section 22.5 of the Republic Act 9184 and its Revised Implementing Rules and Regulations to clarify and/or amend certain provisions in the Bidding Documents intended for this project in consideration of the issues raised and clarifications made by the prospective bidder on their letter request dated August 1, 2021. Furthermore, this bid bulletin shall form an integral part of the Bidding Documents.

REFERENCE	AMENDMENTS/CHANGES/ CLARIFICATION
<p>SECTION VI. TECHNICAL SPECIFICATION</p> <p>IV. DESIGN CRITERIA / SPECIFICATIONS / PARAMETERS / OTHER REQUIREMENTS</p> <p>D. FOR IRON AND MANGANESE FILTRATION FACILITY FOLLOWING CRITERIA AND TERMS OF REFERENCE MUST BE UTILIZED: (Pages 48-49)</p> <p>3. Media Filtration Tank must be Fiberglass Reinforced Plastic, Polyurethane/epoxy coated Mild Steel, or Stainless Steel with following specifications:</p> <p>➤ Physical Specifications:</p> <ul style="list-style-type: none">• Valve Size: at least 101 mm• Inner Diameter: at least 900mm• Filter Area: at least 0.67m²• Bed Depth: at least 500mm• Minimum Flow each tank: at least 5.70 lps• Outside epoxy with final coating color safety blue• Tori-spherical top and bottom• Complete with sight glass for media viewing and accessories	<p>SECTION VI. TECHNICAL SPECIFICATION</p> <p>IV. DESIGN CRITERIA / SPECIFICATIONS / PARAMETERS / OTHER REQUIREMENTS</p> <p>D. FOR IRON AND MANGANESE FILTRATION FACILITY FOLLOWING CRITERIA AND TERMS OF REFERENCE MUST BE UTILIZED:</p> <p>3. Media Filtration Tank must be Fiberglass Reinforced Plastic, Polyurethane/epoxy coated Mild Steel, or Stainless Steel with following specifications:</p> <p>➤ Physical Specifications:</p> <ul style="list-style-type: none">• Valve Size: at least 101 mm• Inner Diameter: at least 900mm• Filter Area: at least 0.67m²• Bed Depth: at least 500mm• Minimum Flow each tank: at least 5.70 lps• Outside epoxy with final coating color safety blue• Tori-spherical top and bottom• <u>Complete with sight glass or the like/similar to sight glass for media viewing and accessories</u>

For the information and guidance of all concerned.


MS. ALEXIS P. FRANCO
Chairperson, Bids and Awards Committee