

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

PROCUREMENT OF VARIOUS uPVC PIPES SERIES 8

Manolo Fortich Water District

ITB No. 2022-11-005

November 2022

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



MANOLO FORTICH WATER DISTRICT

INVITATION TO BID FOR Procurement of Various uPVC Pipes Series 8 ITB No. 2022-11-005

1. The Manolo Fortich Water District, through the COB 2022 intends to apply the sum of Three Million Eighty Three Thousand Six Hundred Seventy Six Pesos & 96/100 (P 3,083,676.96) being the ABC to payments under the contract for Procurement of Various uPVC Pipes Series 8 / ITB No. 2022-11-005. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Manolo Fortich Water District now invites bids for the above Procurement Project. Delivery of the Goods is required within Thirty Calendar Days (30) after receipt of Notice to Proceed. Bidders should have completed, within Two (2) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
5. Prospective Bidders may obtain further information from Manolo Fortich Water District and inspect the Bidding Documents at the address given below during Mondays to Fridays, 8:00 am to 4:00 pm.
6. A complete set of Bidding Documents may be acquired by interested Bidders on November 16, 2022 from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos only (Php 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or electronic means.
7. The Manolo Fortich Water District will hold a Pre-Bid Conference¹ on November 24, 2022 at 2:00 pm at MFWD Board Room, MFWD Admin Bldg, A. Ditona St. Tankulan, Manolo Fortich, Bukidnon *which* shall be open to prospective bidders.

8. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before December 6, 2022 at 12:00 pm. Late bids shall not be accepted.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on December 6, 2022 at 2:00 pm at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity. Subject to existing health protocols, only one (1) representative per bidder is allowed entry of the premise. Such representative must present his Covid-19 Vaccination Card.
11. The Manolo Fortich Water District reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

Joan Cañete
Manolo Fortich Water District
mfwd_buk@yahoo.com
0917-718-1311
13. You may visit the following websites:

For downloading of Bidding Documents: *mfwd.gov.ph*

November 2022

Engr. Ermito L. Ganas
Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Manolo Fortich Water District wishes to receive Bids for the Procurement of Various uPVC Pipes Series 8, with identification number 22-1-005.

The Procurement Project (referred to herein as “Project”) is composed of one (1) lot, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for COB 2022 in the amount of Three Million Eighty-Three Thousand Six Hundred Seventy-Six Pesos & 96/100 (P 3,083,676.96).

2.2. The source of funding is GOCC, the Corporate Operating Budget.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2 Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the

Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

- 5.3. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Procuring Entity has prescribed that Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within Two (2) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting

Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
 - b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until April 5, 2023. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit **five (5)** certified true copies of the first and second components of its Bid, **arranged, tabbed and numbered**. Original Copies of the Technical and Financial Documents shall be presented during the bid opening.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time at its physical address as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated “*passed*,” using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. The Project shall be awarded as one (1) project having single item that shall be awarded as one contract.

20. Post-Qualification

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

| ITB Clause | |
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| 5.3 | <p>For this purpose, contracts similar to the Project shall be:</p> <p>a. <i>Any uPVC Pipes Series 8.</i></p> <p>b. completed within Two (2) years prior to the deadline for the submission and receipt of bids.</p> |
| 7.1 | <i>No further instruction.</i> |
| 12 | The price of the Goods shall be quoted DDP Kihare Pumping Station, Kihare, Tankulan, Manolo Fortich, Bukidnon or the applicable International Commercial Terms (INCOTERMS) for this Project. |
| 14.1 | <p>The bid security shall be in the form of a:</p> <p style="text-align: center;">Cash, in the amount of not less than 2% of the ABC</p> |
| 19.3 | <i>No further instruction.</i> |
| 20.2 | <i>No further instruction.</i> |
| 21.2 | <i>No further instruction.</i> |

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Special Conditions of Contract

| GCC Clause | |
|------------|---|
| 1 | <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery terms applicable to the Contract are DDP delivered to Kihare Pumping Station, Kihare, Manolo Fortich, Bukidnon. In accordance with INCOTERMS.”</p> <p>The delivery terms applicable to this Contract are delivered to Kihare Pumping Station, Kihare, Manolo Fortich, Bukidnon. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is Mr. Aldwin Olaivar.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ul style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and |
| | <ul style="list-style-type: none"> e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. <p>The Contract price for the Goods shall include the prices charged by the</p> |

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| | Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services. |
| | <p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p> |
| | <p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p> |

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| | <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p> |
| 2.2 | <i>No further instruction.</i> |
| 4 | <p>The inspections and tests that will be conducted are:</p> <ol style="list-style-type: none"> 1. Materials, appearance and dimensions 2. Chemical / Mechanical Test |

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

| Item Number | Description | Quantity | Total | Delivered, Weeks/Months |
|--------------------|--------------------------|-----------------|--------------|--------------------------------|
| 1 | 8" Ø uPVC Pipes Series 8 | 75 Length | 75 Length | 30 CD |
| 2 | 6" Ø uPVC Pipes Series 8 | 111 Length | 111 Length | 30 CD |
| 3 | 4" Ø uPVC Pipes Series 8 | 402 Length | 402 Length | 30 CD |
| | | | | |
| | | | | |
| | | | | |

Section VII. Technical Specifications

Technical Specifications

| Ite | Specification | Statement | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|--|--|--|---------------------------------|--|---------------------|-----|--------|-----|------|------|---------------------|-----|--------|-----|------|-----|---------------------|-----|-------|-----|------|-----|--|
| I | <p style="text-align: center;"><i>UNPLASTICIZED POLYVINYL CHLORIDE (uPVC)</i></p> <p><i>A. uPVC Pipes</i></p> <p>Pipe shall conform to the requirements on the standards for Unplasticized Polyvinyl Chloride (uPVC) "Pressure Pipes" with nominal pipe size diameters of 200mm,150mm and 100mm intended for the conveyance of potable water supply under pressure.</p> <p>The pipe shall conform with the requirements of the Philippine National Standard Specification (PNS 65:1993) for Unplasticized Polyvinyl Chloride (uPVC) Series 8 except as otherwise specified herein and shall have the following features and specifications:</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <p><i>A.1 Dimension</i></p> <table><tr><th>Nomina l Pipe Size (mm)</th><th>Nomin al Outs ide Dia meter (mm)</th><th>Diamet er Tol erance (OD) (mm)</th><th>Minimu m Socket Depth (mm)</th><th>Effectiv e Length (meter)</th><th>Wall Thicknes s Series 8 minimu m (mm) PNS 65:1993</th></tr><tr><td>200 uPVC pipe</td><td>225</td><td>225.70</td><td>154</td><td>6.00</td><td>12.9</td></tr><tr><td>150 uPVC pipe</td><td>160</td><td>160.50</td><td>131</td><td>6.00</td><td>9.2</td></tr><tr><td>100 uPVC pipe</td><td>110</td><td>110.4</td><td>114</td><td>6.00</td><td>6.3</td></tr></table> | Nomina l Pipe Size (mm) | Nomin al Outs ide Dia meter (mm) | Diamet er Tol erance (OD) (mm) | Minimu m Socket Depth (mm) | Effectiv e Length (meter) | Wall Thicknes s Series 8 minimu m (mm) PNS 65:1993 | 200 uPVC pipe | 225 | 225.70 | 154 | 6.00 | 12.9 | 150 uPVC pipe | 160 | 160.50 | 131 | 6.00 | 9.2 | 100 uPVC pipe | 110 | 110.4 | 114 | 6.00 | 6.3 | |
| Nomina l Pipe Size (mm) | Nomin al Outs ide Dia meter (mm) | Diamet er Tol erance (OD) (mm) | Minimu m Socket Depth (mm) | Effectiv e Length (meter) | Wall Thicknes s Series 8 minimu m (mm) PNS 65:1993 | | | | | | | | | | | | | | | | | | | | | |
| 200 uPVC pipe | 225 | 225.70 | 154 | 6.00 | 12.9 | | | | | | | | | | | | | | | | | | | | | |
| 150 uPVC pipe | 160 | 160.50 | 131 | 6.00 | 9.2 | | | | | | | | | | | | | | | | | | | | | |
| 100 uPVC pipe | 110 | 110.4 | 114 | 6.00 | 6.3 | | | | | | | | | | | | | | | | | | | | | |

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| | <p>A.2 Taking Samples</p> <p>Shall be randomly selected by the MFWD personnel from the pipes intended for delivery and will be subjected to the following test:</p> <ul style="list-style-type: none"> i. Materials, appearance and dimensions ii. Chemical/ Mechanical Test <ul style="list-style-type: none"> a. Quick burst pressure - The pipe shall withstand the applied pressure for at least 60 seconds without failure. The value for the induced stress used in calculating pressure requirements is 4.56MPa for series 8 uPVC pipes at 28°C. b. Short term pressure - The pipe shall withstand the applied pressure for at least One (1) hour without failure. The value for the induced stress use in calculating pressure requirement is 4.30MPa for series 8 uPVC pipes. c. Long term pressure - The pipe shall withstand the applied pressure for at least 1000 hours without failure. The value for the induced stress used in calculating pressure requirement is 1.6MPa. d. Flattening - The pipe shall not show evidence of splitting, cracking or breaking when flattened to a minimum of 40% of its outside diameter. e. Impact test - The pipes with normal wall thickness of 14.9 or less, if tested for resistance to external blows at 0°C shall have true impact rate (TIR) of not more than 10% when tested at the levels given. f. Dichloromethane - Cut Specimen shall be submerged in Dichloromethane for 30 minutes; No attack at any part of the surface of the specimen at bath temperature of 150±1°C in accordance to ISO 9852. g. Shrinkage - Cut specimen will be subjected to oven test with 150 °C for a period of One (1) hour allowable shrinkage shall only be 5% | |
| | <p>A.3 Machine Installed Fixed Seal</p> <p>The composition of built-in metal/rubber seal is the flexible EPDM rubber element to effectively seal against spigot and socket conforming to PNS 1008.</p> <ul style="list-style-type: none"> Contamination -free Leak - free Ensuring clean, safe drinking water | |

A.4 *Lower NRW*

Socket and seal gaskets are formed and installed in the shop floor, ensuring a perfect joint, that there are no dust and dirt lodged between the pipe and gasket, thus leading to a superior joint.

| PROPERTY | STANDARD EQUIPMENT | TEST METHOD |
|--|--------------------|----------------|
| Vicat Softening Temperature, °C, minimum | 76 | ISO 2507 (S-8) |

| | | | |
|------------------------|----------------------------------|---|-------------------------------|
| Longitudinal Reversion | Wall thickness $\leq 8\text{mm}$ | 5% maximum after 1 hour at 150°C | ISO 2505 (S-8) |
| | Wall thickness $> 8\text{mm}$ | 5% maximum after 2 hours at 150°C | |
| Hydrostatic Pressure | Burst Pressure | The pipe shall withstand 4.56MPa for at least 60 seconds without failure | ISO 1167-1 / ISO 1167-2 (S-8) |
| | Short Term Pressure | The pipe shall withstand 4.30MPa for at least 1 hour without failure | |
| | Long Term Pressure | The pipe shall withstand for at least 1000 | |

| | | | | |
|--|--|---|------------------------|--|
| | | hours without failure | | |
| | Water Absorption, g/m ² , maximum | 40 | ISO 2508 (S-8) | |
| | Resistance to Sulfuric Acid | Mass of specimen shall not increase by more than 0.316g nor decrease by more than 0.013g | ISO 3473 (S-8) | |
| | Resistance to Acetone | No sign of delamination or disintegration after 2 hours of immersion | ISO 3472 (S-8) | |
| | Resistance to External Blows (Impact test) | True Impact test (TIR) shall not exceed 10% where TIR = Total number of breaks / Total number of blows | ISO 3127 (S-8) | |
| | Flattening | No evidence of splitting, cracking or breaking when flattened to 40% of the outside diameter | ASTM D2241 (S-8) | |
| | Resistance to Dichloromethane at specific temperature (Degree of gelation) | No attack at any part of the surface of the test piece (30 minutes); 1 test piece; Temp. of bath = (150±1)°C | ISO 9852 (S-8) | |
| | <i>A.5 Low Toxicity from Heavy Metals</i> Cadmium of total extraction of 0.01 mg/I, Mercury of 0.001 mg/I, Tin of 0.02 mg/I and lead of 0.05 mg/I, all measured as metals and shall be determined in accordance with the method described in PNS 966/ISO 3114. | | | |
| | <i>A.6 Non-Conductive</i> uPVC is a non-conductor of electricity which contributes to the safety of installation. This property also eliminates problems of electronic corrosion and the expense of cathodic protection in highly corrosive soil conditions. | | | |

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| | <p>A.7 Pipe Ends</p> <p>Should be cleanly cut and square to the axis of the pipes, 1 5° chamfering at the spigot end.</p> | |
| | <p>A.8. High Flow Capacity</p> <p>The interior surface is much smoother than steel and other conventional piping materials, its C-value (Hazen-Williams flow factor) is in the range of 140- 160, this means increased flow - less pressure drop, less pump capacity required with more water delivered at design pressure and volume.</p> | |
| | <p>A.9 Pipe Composition</p> <p>A pipe produced basically from an extrusion grade PVC material of high molecular weight which does not contain any plasticizer. The materials from which the pipes are made shall consist substantially of polyvinyl chloride that conforms with PNS 291, to which maybe added only those additive necessary to facilitate the manufacture of quality pipes of good surface finish and sound physical, mechanical and chemical properties. None of the additives shall be used separately or together in quantities sufficient to constitute a toxic, organoleptic or microbial growth hazard or to impair the fabrication or welding properties of the product, or to impair the chemical, mechanical and physical properties (particularly long -term hydrostatic and impact strength) as defined in this standard. The use of the manufacturer's own clean rework material produced during a manufacturer and production testing of products conforming with this standard is permissible. No other rework materials shall be used.</p> | |
| | <p>A.10 Chemical Resistance</p> <p>uPVC resists the attack of chemicals, acids and alkaline commonly associated with the treatment and distribution of potable water. Also, the pipe does not taint the water, rust or corrode.</p> | |
| | <p>A.11 Temperature Resistance</p> <p>Temperature above 170° F will slightly soften uPVC pipe. This temperature limit is well above normal operating conditions for potable water systems.</p> | |
| | <p>A.12 Weather Resistance</p> <p>uPVC is not easily affected by sunlight, wind, or rain. Its physical properties and performance do not deteriorate when exposed to this element.</p> | |
| | <p>A.13 Markings</p> | |

| | | |
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| | <p>The pipes shall be clearly marked with the following information spaced at intervals of not more than one meter using genuine engraved with the following text:</p> <ul style="list-style-type: none"> iii. Name of Product iv. Nominal outside diameter, mm v. Series and/or Nominal Pressure, MPa vi. Manufacturer's name and/or recognized trademark vii. The words "Made in the Phil." viii. The words "For Potable Water" | |
| | <p>A.14 Hydro-Testing</p> <p>During hydro-testing, if uPVC pipes found defective, the winning bidder will replace the uPVC pipe and the cost of installation.</p> | |
| | <i>v. Other Requirements</i> | |
| | B.1. Notarized Manufacturer Certification of uPVC Pipes. | |
| | B.2. Certificate notarized and issued by the manufacturer that the machine-installed metal reinforced integrated gasket seal is 100% EPDM rubber. | |
| | B.3. Certificate notarized and issued by the manufacturer indicating the year 2021 manufactured and availability of the uPVC pipe for the next 20 years. | |
| | B.4. Provide one (1) sample of at least one (1) meter length of 200mm uPVC as pipe to validate markings, pressure test and other details prior to the opening of bids. Failure to submit pipe sample is ground for ineligibility. | |
| | B.5. Brochure - The brochures contain specifications such as brand, production capacity, operating pressure and design pressure. | |
| | B.6. Drawings - The drawing shall indicate measurements of the uPVC pipe dimensions (effective length, nominal size, wall thickness, minimum socket depth, and 15° chamfering at tail end). The drawing shall be used as basis for the civil works. | |
| | <i>vi. Supply and Delivery</i> | |
| | C.1. All uPVC pipes to be delivered shall be of ONE BRAND and be secured from damages. | |
| | C.2. The uPVC pipes to be delivered shall only be accepted during working days and working hours without any damage. | |

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|----|---|---------------------------------|--|
| | C.3. The delivery point shall be at MFWD Compound, Kihare, Tankulan, Manolo Fortich, Bukidnon. | | |
| | C.4. The said uPVC pipes shall be accepted with the presence of the winning bidder's representative and Mr. Aldwin L. Olaivar with MFWD's TWG member. | | |
| | C.5. Any damage uPVC pipe shall be replaced by the winning bidder. | | |
| | <i>vii. Inspection of Goods</i> The inspection team composed of two (2) personnel may reject any goods or any part thereof that fail to pass any test and /or inspection or do not conform to the specifications. The winning bidder shall rectify or replace such rejected goods or parts thereof or make alterations necessary to meet the specifications at no cost to the procuring Entity and shall repeat the test and/ or inspection to ensure compliance with the Procuring Entity's Requirements. | | |
| | <i>viii. Training</i> During installation, the winning bidder's technical person shall train the MFWD personnel how to install the uPVC pipe within FIVE (5) days. All expenses of the winning bidder's technical person shall be shouldered by the winning bidder. | | |
| | <i>ix. Warranty</i> A notarized certificate issued by the manufacturer indicating at least one (1) year warranty period in all its component and accessories. | | |
| | <i>x. Free Servicing</i> The winning bidder shall conduct a preventive inspection of the uPVC pipe within warranty period. | | |
| | <i>xi. Terms of Payment</i> Full payment shall be made after complete delivery, submission of notarized warranty certificate, relevant training and submission of acceptance report by the technical working approved by General Manager. | | |
| II | <i>Sampling and Testing Schedule for Assessment of Compliance</i> | | |
| | <u>General Requirements</u> | <u>Minimum Frequency</u> | |
| | Diameter and Wall Thickness | Hourly | |
| | Length | Every 8 hours | |

| | | | |
|--|--------------------------------------|--|--|
| | Appearance | Every pipe | |
| | <u>Test Type</u> | | |
| | Material | Once every 6 months or every change of Formulation | |
| | Effect of materials on water quality | Once every 6 months or every change of Formulation | |
| | Vicat Softening | Once every 6 months or every change of Formulation | |
| | Water Absorption | Once every 6 months or every change of Formulation | |
| | Resistance to Sulfuric Acid | Once every 6 months or every change of Formulation | |
| | Long Term Pressure | Once every 6 months or every change of Formulation | |
| | Joints | Once every 6 months or every change of Formulation | |
| | <u>Quality Test</u> | <u>Control</u> | |
| | Longitudinal Reversion | Every 8 hours | |
| | Resistance to Acetone | Every 8 hours | |
| | Burst Pressure | Every 8 hours | |
| | Short Term Pressure | Every 24 hours | |
| | Resistance to External Blows | Every 8 hours | |

| Item | Unplasticized Polyvinyl Chloride (uPVC) | Compliance with Technical Specifications |
|------|---|--|
| III | <i>200 mm diameter - Series 8</i> | |
| a | Pipe Composition | |
| | - in accordance to PNS 65:1993 for uPVC Pipes for Potable Water Supply | |
| | - PVC resin should be made with 90% K65 Resin by Mass in accordance to PNS 291:1991 | |
| | - Number of Pieces, 75 pcs/6.00m | |
| | - Nominal outside diameter, 225 mm | |
| | - Minimum wall thickness, 12.9 mm | |
| | - Minimum socket depth, 154 mm | |
| | - Normal Working Pressure, 150 psi | |
| | - Maximum Working Pressure, 760 psi | |
| | - C-Value (Hazen-Williams flow factor) is in range from 140 to 160 | |
| | - 15° chamfered at tail end in accordance to ISO 1452-2 | |
| | - Socket type in accordance to ISO 1452-2 | |
| | - Temperature resistance at 170°C | |
| | - For potable water supply | |
| | - 2021 year manufactured | |
| | - Genuine engrave methods of printing | |
| b | Jointing / Seal | |
| | - Machine-installed metal reinforced integrated gasket seal in accordance to ISO 9001:2015 & 14001:2015 | |
| | - Resilient with chemical contact associated in treatment of potable water | |

(Printed Name and Signature)

Bidder's Authorized Representative

Date

| Item | Unplasticized Polyvinyl Chloride (uPVC) | Compliance with Technical Specifications |
|------|---|--|
| IV | <i>150 mm diameter - Series 8</i> | |
| a | Pipe Composition | |
| | - in accordance to PNS 65:1993 for uPVC Pipes for Potable Water Supply | |
| | - PVC resin should be made with 90% K65 Resin by Mass in accordance to PNS 291:1991 | |
| | - Number of Pieces, 111 pcs/6.00m | |
| | - Nominal outside diameter, 160 mm | |
| | - Minimum wall thickness, 9.2 mm | |
| | - Minimum socket depth, 131 mm | |
| | - Normal Working Pressure, 150 psi | |
| | - Maximum Working Pressure, 760 psi | |
| | - C-Value (Hazen-Williams flow factor) is in range from 140 to 160 | |
| | - 15° chamfered at tail end in accordance to ISO 1452-2 | |
| | - Socket type in accordance to ISO 1452-2 | |
| | - Temperature resistance at 170°C | |
| | - For potable water supply | |
| | - 2021 year manufactured | |
| | - Genuine engrave methods of printing | |
| b | Jointing / Seal | |
| | - Machine-installed metal reinforced integrated gasket seal in accordance to ISO 9001:2015 & 14001:2015 | |
| | - Resilient with chemical contact associated in treatment of potable water | |

(Printed Name and Signature)

Bidder's Authorized Representative

Date

| Item | Unplasticized Polyvinyl Chloride (uPVC) | Compliance with Technical Specification |
|------|---|---|
| V | <i>100 mm diameter - Series 8</i> | |
| a | Pipe Composition | |
| | - in accordance to PNS 65:1993 for uPVC Pipes for Potable Water Supply | |
| | - PVC resin should be made with 90% K65 Resin by Mass in accordance to PNS 291:1991 | |
| | - Number of Pieces, 402 pcs/6.00m | |
| | - Nominal outside diameter, 110 mm | |
| | - Minimum wall thickness, 6.3 mm | |
| | - Minimum socket depth, 114 mm | |
| | - Normal Working Pressure, 150 psi | |
| | - Maximum Working Pressure, 760 psi | |
| | - C-Value (Hazen-Williams flow factor) is in range from 140 to 160 | |
| | - 15° chamfered at tail end in accordance to ISO 1452-2 | |
| | - Socket type in accordance to ISO 1452-2 | |
| | - Temperature resistance at 170°C | |
| | - For potable water supply | |
| | - 2021 year manufactured | |
| | - Genuine engrave methods of printing | |
| b | Jointing / Seal | |
| | - Machine-installed metal reinforced integrated gasket seal in accordance to ISO 9001:2015 & 14001:2015 | |
| | - Resilient with chemical contact associated in treatment of potable water | |

(Printed Name and Signature)

Bidder's Authorized Representative

Date

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- ☐ (d) Original copy of Bid Security in the form of Cash in the amount stated in the BDS; **and**
- ☐ (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ (f) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (g) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC);

Class “B” Documents

- ☐ (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

