



## PRE-BID CONFERENCE

Project No. 2020-07: Purchase of Assorted Sizes uPVC Pipes S-8 & S-10, Fixed Seal

December 12, 2019, 1:30pm

GSCWD Bldg, Boardroom, General Santos City

### MINUTES OF THE PROCEEDINGS

#### I. Attendance

##### **BAC Members**

Ferdinand S. Ferrer, MPA	-	Chairman
Engr. Rogelio A. Besana, Jr.	-	Vice Chairman
Francisco R. Alolod Jr., CPA	-	Member
Maritess P. Primaylon	-	Member
Engr. Cornelio T. Turija, Jr	-	Member
Samcelle B. Valenzuela	-	Member
Engr. Ma. Celia N. Dandan	-	TWG

##### **Bidders**

Alan P. Andama	-	Nation Mfg. & Industrial Products Corp.
Felix Adacius Likit	-	Jhaycor Industries Inc.
Dolendo Julius Ceazar	-	Techno-Trade
Rodney Dela Peña	-	Apex Plastic
Regel Genosa	-	Apex Plastic

##### **BAC Secretariat**

Mira Jean G. Fuentes		
Agnes P. Tampico	-	BAC Secretariat, Head

##### **Absent**

Engr. Michael Gabales	-	TWG Head
Judy Lim-Pasman	-	TWG

#### II. Call to Order

The conference was called to order at 1:30 pm and was presided by the BAC Chairman Ferdinand S. Ferrer, MPA.

BAC Secretary Mira Jean Fuentes went over the attendees. Four (4) other prospect bidders attended the pre-bid conference, namely: Nation Mfg. & Industrial Products Corp., Jhaycor Industries Inc., Techno-Trade, and Apex Plastic.

There were no representatives from the Commission on Audit, Kiwanis and PICE who were invited to observe and witness the conduct of the Pre-Bid Conference.

#### III. Highlights of the Proceedings

##### As to the Bidding Process

BAC Member Engr. Rogelio A. Besana, Jr. discussed the following points:



- The Approved Budget for the Contract (ABC) is **Seven Million Two Hundred Thousand Pesos Only** (Php 7,200,000.00).
- It was discussed to the prospective bidder the two-envelope system and the components for each envelope. The First envelope is composed of the Class A Eligibility & Technical Documents and the second envelope is the Financial component.
- The following are the Class A Eligibility Documents:
  - **Notarized Authority of Signatory**
    - This shall indicate the name of the authorized representative of the supplier, who will transact with the General Santos City Water District. It must be notarized.
    - If Corporation, additional attachment of Notarized Secretary's Certificate
  - **Platinum PhilGEPS Certificate of Registration and Membership (with Annex A )** in accordance with Section 8.5.2 of the IRR
    - In case any of the items are expired, (such as Tax Clearance) bidder must present copy of the renewed certificate; official receipts or any proof of payment shall not be accepted as proof of clearance.
  - **Statement of all its ongoing government and private contracts awarded** but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid.
  - **Statement of the bidder's SLCC similar to the contract to be bid**, in accordance with ITB Clause 5.4, within the relevant period as provided in the ITB Clause 12.1(a)(ii)
    - ITB Clause 5.4 states, "The bidder must have completed, within the period specified in the Invitation to Bid and ITB Clause 12.1 (a)(ii), a single contract that is similar to this project, equivalent to at least 50% of the ABC. For this purpose, similar contracts shall refer to "supply of uPVC Pipes."
    - Bidder shall include in their bid:
      - A photocopy of Single Largest Completed Contract or Purchase Order
      - Notice of Award and / or Notice to Proceed
      - Project Owner's Certificate of Final Acceptance issued by the Owner other than the Contractor or the Constructors Performance Evaluation System (CPES) Final Rating, which must be at least satisfactory. In case of contracts with the private sector, an equivalent document shall be submitted.
    - ITB Clause 12.1 (a)(ii) states, "The bidder's SLCC similar to the contract to be bid should have been completed within 5 (five) years prior to the deadline for the submission and receipt of bids."
  - **Net Financial Contracting Capacity (NFCC)** computation in accordance with ITB Clause 5.5 or a committed line of credit from a universal or commercial bank
    - Computation is as presented in BDS.
- Here are the composition of the Technical Documents:
  - The Bid Security shall be limited to Bid Securing Declaration or at least one (1) other form in accordance with the following amount;
    - Cash (2% of ABC) = Php 144,000.00
    - Cashier's / Manager's Check issued by a Universal or Commercial Bank (2% of ABC) = Php Php Php 144,000.00
    - Bank Draft / guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. (2% of ABC) = Php 144,000.00
    - Surety Bond (5% of ABC) = Php 360,000.00 valid *until* April 27, 2020 and shall be accompanied by a certification by the Insurance Commission that the surety or



insurance company is authorized to issue such instruments. Only those bid securities procured from commercial and universal banks shall be allowed.

- **Conformity with Technical Specifications**, as enumerated and specified in Sections VI and VII of the Bidding Documents.
  - Bidder shall photocopy the Technical Specifications Form provided in Section VII in the BDS.
  - Bidder shall submit the photocopied Technical Specification Form indicating “comply” per required parameter. Noncompliance to the instruction shall be ground for Ineligibility.
- **Sworn Statement** in accordance with Section 25.2(a)(iv) of the IRR of RA 9184 and using the form prescribed in Section VIII of Bidding Forms.
  - Must be Notarized
  - Proforma found in the Bid Docs
- Other reminders:
  - Bids that exceed the ABC shall not be accepted.
  - Prospective bidders are instructed to provide one (1) original and four (4) photocopies of the documents for each component. The BAC prefers bid documents be identified with ticklers for easy location of file/s to be evaluated during opening of bids.
  - Other bidders can still join the bidding even if they have not attended the Pre-bid Conference. Bid documents shall be available for interested bidders until December 27, 2019, 12 noon.

Deadline of Bids: **December 27, 2019, 12:00nn**; late bids shall be declared “late” and shall not be accepted.

#### As to the Technical Specifications

Engr. Ma. Celia N. Dandan discussed the Technical Specifications.

### **GENERAL SCOPE**

This section specifies the requirements for **unplasticized polyvinyl chloride (uPVC)** pipes **fixed seal type** with nominal outside diameter of 63mm to 225mm intended for the conveyance of potable water under pressure of temperature up to 45°C for use below ground. The pipe shall conform to the requirements of the Philippine National Standard Specification for **Unplasticized Polyvinyl Chloride (uPVC)** pipes for Potable Water Supply (PNS 65:1993) except as otherwise specified herein.

#### **A. Definitions**

For the purpose of these specifications, the following definitions shall apply:

1. Nominal Pressure (PN) – The normal maximum internal pressure that the pipes can sustain continuous use. This is expressed in megapascal (MPa) at 28° C.
2. Design maximum induced stress – The estimated maximum tensile stress on the wall of the pipe along the transverse axis due to internal pressure to which the pipe can be subjected continuously without failure. This is used in calculating the wall thickness of the pipe. For the purpose of this standard, the maximum induced stress is 8.5 MPa at 28°C.



3. Pipe series (s) – It is used in classifying the pipe, which is ratio of the design maximum induced stress to the nominal pressure of the pipe. The pipe series number maybe rounded off to the nearest whole number.
4. Nominal Dimension – Nominal Dimension and values indicated herein are minimum limits as defined in this standard.
5. Unplasticized polyvinyl chloride (uPVC) pipe. A pipe produced basically from an exclusion grade PVC material of high molecular weight which does not contain any plasticizer.

#### uPVC PIPE SCHEDULE

Description	Quantity	Thickness(mm)
225mmØ x 6muPVC Pipe Series-8, Fixed Seal	620 pcs	12.90 – 14.39
160mmØ x 6m uPVC Pipe Series-8, Fixed Seal	580 pcs	9.20 – 10.32
110mmØ x 6m uPVC Pipe Series-10, Fixed Seal	550 pcs	5.30 – 6.03
90mmØ x 6m uPVC Pipe Series-10, Fixed Seal	150 pcs	4.40 – 5.04
63mmØ x 6m uPVC Pipe Series-10, Fixed Seal	100 pcs	3.00 – 3.50

#### B. TECHNICAL SPECIFICATION:

Pipes classification shall be in accordance with the pipe series and/or the nominal pressure as follows:

1. Series 8 (PN 1.03 MPa/149.35PSI)
2. Series 10 (PN 0.86 MPa / 125 PSI)

#### REQUIRED TESTING:

##### Sampling and Testing

The winning bidder shall prepare one set of sample per diameter and shall be taken randomly for testing in accordance with the methods and procedures specified in this standard.

##### 1. Dimensions

###### a. Standard Configurations

Should conform to the approved shop drawing provided by the District

###### b. Length

The length of the pipe shall be taken means the effective length which is Six (6) meters.

###### c. Joints

**uPVC Pipes** shall be push-on type joint with fixed seal and additional **One (1) uPVC Coupling/Hub for every size** of uPVC Pipes.

##### 2. Physical Characteristics

###### a. Appearance



The pipe shall be homogenous throughout and free from cracks, holes, encrustations and other foreign inclusions. Excessive die lines and/or stress marks (particularly in the socket and bell groove) as well as discernible material marking are not allowed. The ends of the pipe shall be cleanly cut and square to the axis of the pipe.

**b. Color**

The color of the pipe shall be blue nearest to RAL 5012 and shall be uniform throughout the entire surface of the pipe.

**c. Effect of Materials on Water Quality**

When used under the conditions for which they are designed, non-metallic materials in contact with, or likely to come into contact with potable water shall not constitute a toxic hazard, shall not support microbial growth and shall not rise to unpleasant taste or odor, cloudiness or discoloration of the water. Concentration of substances, chemicals and biological agents leached from materials in contact with potable water, and measurements of the relevant organoleptic/physical parameters shall not exceed the maximum values recommended by the World Health Organization in its publication "Guidelines for Drinking Water Quality" Vol. 1 "Recommendations (WHO, Geneva, 1984). If lead or mono/di-alkyl tin compounds are permitted to be used as stabilizers, the quantities of the lead or tin measured as metals shall be determined in accordance with the method described in PNS 966/ISO 3114.

**d. Physical Properties.**

The pipe shall conform to the Physical properties as specified

**e. Resistance to Acetone**

The pipe shall not show signs of delamination or disintegration when immersed with acetone. Flattening and/or swelling of the pipe shall not be deemed to constitute failure when tested in accordance with PNS 978/ISO 3472.

**f. Resistance to Sulfuric Acid**

The mass of the specimen shall not increase by more than 0.316 g when tested in accord with PNS 979/ISO 3474. The effect of the acid on the surface appearance of the specimen (roughening, bleaching or blackening) shall be ignored.

**3. MECHANICAL PROPERTIES**

The pipes shall conform with the applied pressure for the hydrostatic pressure test indicated in Table 5 of PNS G5,1993 when tested in accordance with PNS 509/ISO 1167.

**a. Hydrostatic pressure test requirement**

1. 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 requirement is 3.8 MPa (550 psi) for Series 10 and 4.56MPa (660 psi) for Series 8 at 28°C



2. Short term Pressure – The pipe shall withstand the applied pressure for at least one hour without failure. The value for the induced stress used in calculating pressure requirement is 3.6 MPa (520 psi) for Series 10 and 4.3MPa (620 psi) for Series 8 at 28°C.

**b. Resistance to external blows**

The true impact of the batch at 28°C shall not exceed 10% when tested in accordance with PNS 967/ISO 3127.

NOTE: The true impact rate is the total number of broken test pieces divided by the number of blows, expressed as percentage as if the whole batch had been verified. In practice, tests are drawn at random from batch and only estimate of the true impact rates are obtained.

**c. Flattening**

The pipe shall not allow evidence of splitting, cracking and breaking when flattened to a minimum of 40% of its outside diameter when tested in accordance with 800/ASTMD2241.

**d. Joints**

Joints shall be used for sizes 63mm up to 225mm to be Machine installed Integral Fixed Seal. The seal should be glass reinforced polypropylene (PP) homogeneously bonded to highly flexible EPDM Rubber.

**Marking**

The pipe shall be clearly marked with the following information spaced at intervals of not more than one meter.

1. Name of Product
2. Nominal outside diameter, mm
3. Series and/or Nominal pressure, MPa
4. Manufacturer's name and/or its recognized trademark with One (1) inch font size bold marking using laser printed
5. The words "Made in PHL" or "Made in the Phil."
6. The words "For Potable Water"
7. The words "General Santos City Water District" with One (1) inch font size bold marking using laser printed
8. Bell insertion marking at spigot end

**DELIVERY SCHEDULE**

Within **Seventy-Five (75) Calendar Days** after receipt of Purchase Order, the total number of pipes is expected including testing and inspection. Pipes should be delivered to the site designated by the GSCWD.



**SPECIAL PROVISION:**

- A pre-production testing shall be conducted with the presence of Five (5) representatives from GSCWD within Four (4) days which already include departure and arrival from purchasing entity at plant site. Cost of inspection such as transportation, meals, allowances, accommodations and other related expenditures shall be shouldered by the winning bidder.
- The winning bidder shall shoulder the cost incurred during hauling and unloading at the designated area of GSCWD.
- The winning bidder is required to produce an additional one length for every size of uPVC Pipe for the required testing specimen.
- The winning bidder is required to provide plastic food wrap at both ends of the pipes.
- The Supplier is subject to the imposition of liquidated damages in case of delay in rendering its obligation until actual delivery.

The Contractor shall pay liquidated damages to the Owner if he fails to complete the work within the time agreed upon. It is understood that said payment is not a penalty but a fixed sum representing the liquidated damages for each calendar day of delay.

Computation of the said liquidated damages shall conform to the provision of RA 9184.

Addendum

Amendment	From	To
Invitation to Bid	100mmØ x 6m uPVC S-10, Fixed Seal – 550 pcs	110mmØ x 6m uPVC S-10, Fixed Seal – 550 pcs
VII. Technical Specifications Special Provision	A <b>pre-production</b> testing shall be conducted with the presence of Five (5) representatives from GSCWD within Four (4) days which already include departure and arrival from purchasing entity at plant site.	A <b>pre-delivery</b> testing shall be conducted with the presence of Five (5) representatives from GSCWD within Four (4) days which already include departure and arrival from purchasing entity at plant site.

**IV. Adjournment**

There having no other remaining topic to be discussed, the Pre-Bid Conference was adjourned at 2:30pm.

Prepared by:

Mira Jean G. Fuentes  
 BAC Secretary

Checked by:

AGNES P. TAMPICO  
 Head, BAC Secretariat

Reviewed by:

  
ENGR. MA. CELIA N. DANDAN  
TWG Member

- absent -  
ENGR. MICHAEL GABALES  
Head, TWG

Attested and approved by:

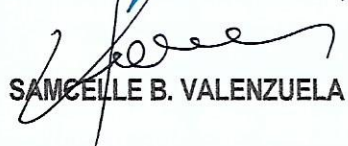
  
FERDINAND S. FERRER, MPA  
BAC Chairman


In conformity with the Bids and Awards Committee:

  
Engr. Rogelio A. Besana, Jr.  
Vice Chairman

BAC Members:

  
ENGR. CORNELIO T. TURIJA, JR.

  
SAMCELLE B. VALENZUELA

  
FRANCISCO R. ALOLOD, JR. CPA

  
MARITESS P. PRIMAYLON