

## BIDS AND AWARDS COMMITTEE INVITATION TO BID No. 105-2018

The **METRO ROXAS WATER DISTRICT (MRWD)**, through its Bids and Awards Committee (BAC), invites Manufacturers/Suppliers/Distributors to apply for eligibility and to bid for the hereunder project:

**Name of Project:** CONTRACT FOR THE SUPPLY AND DELIVERY OF PIPES AND VARIOUS SERVICE CONNECTION MATERIALS

**Location:** MRWD BLDG., KM.1, ROXAS CITY

**Brief Description:** SUPPLY AND DELIVERY OF PIPES AND VARIOUS SERVICE CONNECTION MATERIALS FOR EXPANSION PROJECT

**Approved Budget for the Contract (ABC):** Php 606,821.00

**Source of Funds:** MRWD CORPORATE BUDGET FOR FISCAL YEAR 2018

**Mode of Procurement:** PUBLIC BIDDING

**Contract Duration:** THIRTY (30) CALENDAR DAYS FROM RECEIPT OF CONTRACT AND NOTICE TO PROCEED

**Delivery of Goods:** WITHIN THIRTY (30) CALENDAR DAYS FROM RECEIPT OF CONTRACT, PURCHASE ORDER AND NOTICE TO PROCEED

The Eligibility Check/ Screening as well as the Preliminary Examination of Bids shall use non-discretionary "pass/fail" criteria. Bid Evaluation and Post-qualification will also be conducted to determine the responsiveness of the Lowest Calculated Bidder (LCB).

All particulars relative to Eligibility Statement and Screening, Bid Security, Performance Security, Evaluation of Bids, Post-Qualification and Award of Contract shall be governed by the pertinent provisions of R.A. 9184 and its Revised Implementing Rules and Regulations (IRR).

The schedule of activities is listed, as follows:

<i>Activities</i>	<i>Schedule</i>
1. Advertisement	August 9-16, 2018
2. Issuance of the Bidding Documents	August 9 until 8:45 AM of August 30, 2018
3. Pre-bid Conference	August 17, 2018 at 9:00 AM
5. Deadline for Submission and Opening of Bids	August 30, 2018 at 9:00 AM
6. Evaluation of Bids	August 31, 2018
7. Post-qualification of Bids	September 3-4, 2018

The Bid Documents will be available to prospective Bidders from the address stated below only upon payment of a non-refundable amount of One Thousand Pesos (Php1,000.00) per GPPB standard rates in the bidding documents. The Bidding Documents shall be received personally by the prospective Bidder or his duly authorized representative. Accreditation fee is required to interested bidder/s of a non-refundable amount of One Thousand Pesos (Php1,000.00).

It is highly recommended that interested bidder/s should attend the Pre-bid Conference in order to avail all the necessary information of the bidding at hand and be guided with the preparation of the Technical and Financial Components of the project.

A bidder must have at least one (1) single largest contract equivalent to or at least twenty-five percent (25%) of the ABC for the last two (2) years which is similar in nature to the goods being offered.

The MRWD assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid. The MRWD also reserves the right to accept or reject any bid, to declare the bidding a failure, not to award the contract, without thereby incurring any liability to the affected bidders. Furthermore, the MRWD reserves the right to waive any minor defects or informality and to accept the proposal most advantageous to the District.

All bidders are requested to download in the Philippine Government Electronic System (PhilGEPS) the invitation to bid and the bidding documents, in compliance with Section 37.1.6 of the Revised Implementing Rules and Regulations (IRR) of R.A. No. 9184 for the posting of Notice of Award.

*MRWD Bids and Awards Committee*



**ATTY. DANTE A. ARCANGELES**  
Chairperson

Address: **Metro Roxas Water District**  
MRWD Bldg., Km. 1, Roxas City, Capiz

Contact Person: **Marjorie A. Dela Cruz**  
Head, BAC Secretariat  
Tel. No. (036) 6210-737 or 6210-044 Local No. 122  
TeleFax No. (036) 6217-492; 6217-382

Place(s) of Publication: PhilGEPS and MRWD Websites (<http://metroroxaswd.gov.ph>), and BAC Bulletin Board

*MRWD Bids and Awards Committee*



Republic of the Philippines  
METRO ROXAS WATER DISTRICT  
MRWD Bldg., Km. 1, Roxas City 5800, Philippines

## **BIDS & AWARDS COMMITTEE**

### **Checklist of Requirements for Bidders**

**ELIGIBILITY & TECHNICAL REQUIREMENTS (TECHNICAL ENVELOPE), AND FINANCIAL REQUIREMENTS (FINANCIAL ENVELOPE) FOR THE PROCUREMENT OF GOODS IN ACCORDANCE TO THE REVISED IMPLEMENTING RULES AND REGULATIONS (IRR) OF R. A. 9184**

Name of Project: **Contract for the Supply and Delivery of Pipes and Various Service Connection Materials**

Approved Budget for the Contract: **Php606,821.00**

Pre-bid Conference: **August 17, 2018 at 9:00 A.M.**

Deadline for the Submission and Opening of Bids: **August 30, 2018 at 9:00 A.M. (MRWD Bundy Clock)**

Delivery Period: **Within 30 Calendar Days from receipt of Contract, Purchase Order and Notice to Proceed**

Payment Period: **Within 30 Calendar Days after Inspection and Final Acceptance**

### **First Envelope (Technical Proposal)**

#### **ELIGIBILITY REQUIREMENTS:**

1. Valid Registration Certificate from Security and Exchange Commission (SEC) for corporation and partnership; Department of Trade and Industry (DTI) for sole proprietorship; Cooperative Development Authority (CDA) for cooperatives; or any proof of registration with Articles of Incorporation, Partnership, whichever is applicable and appropriate including amendments thereto, under existing laws of the Philippines;
2. Valid Mayor's Permit/Municipal License issued by the city or municipality where the principal place of business of prospective bidder is located;
3. Valid BIR Registration Certification which contains the Taxpayer's Identification Number;
4. Statement 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

Statement of the Bidder's single largest completed contract (SLCC) similar to the contract to be bid, in accordance with ITB Clause 5.4, within the relevant period as provided in the **BDS**. A bidder must have at least one (1) single largest contract equivalent to or at least twenty-five percent (25%) of the ABC for the last two (2) years which is similar in nature to the goods being offered:

The statement shall include, for each contract, the following:

- (1) name of the contract;
- (2) date of the contract;
- (3) contract duration;
- (4) owner's name and address;
- (5) kinds of Goods;



- (6) For Statement of Ongoing Contract – amount of contract and value of outstanding contracts;
- (7) For Statement of SLCC – amount of completed contracts, adjusted by the Bidder to current prices using PSA's consumer price index, if necessary for the purpose of meeting the SLCC requirement;
- (8) date of delivery; and
- (9) end user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements.

For the procurement of goods, a contract shall be considered "similar" to the contract to be bid if it involves Goods of the same nature and complexity as those, which are the subject of the public bidding concerned.

5. Audited financial statements, stamped "received" by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions, showing, among others, the prospective bidder's total and current assets and liabilities for the preceding calendar year, which should not be earlier than two (2) years from bid submission;
6. Net Financial Contracting Capacity (NFCC) computation which must be at least equal to the Approved Budget for the Contract (ABC) in accordance with ITB Clause 5.5 or a committed Line of Credit from a universal or commercial bank which must be at least equal to ten percent (10%) of the ABC;
7. Valid Tax clearance per E.O. 398, s.2005, as finally reviewed and approved by the BIR (GPPB Res.21-203, 30 July 2013);
8. Valid PhilGEPS Certificate of Registration and Membership in accordance with Section 8.5.2 of the IRR, except for foreign bidders participating in the procurement by a Philippine Foreign Service Office or post, which shall submit their eligibility documents under Section 23.1 of the IRR, provided, that the winning bidder shall register with the PhilGEPS in accordance with Section 37.1.4 of the IRR;
9. If applicable, the JVA, in case the joint venture is already in existence, or duly notarized statements from all the potential joint venture partners in accordance with Section 23.1 (b) of the IRR;

### Technical Requirements:

10. Bid Security in accordance with ITB Clause 18. Bidders may submit the **Bid Securing Declaration (BSD)** or any bid security acceptable forms in the Bidding Documents the amount of which shall be not less than the percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Equal to Percentage of the ABC)
Cash or cashier's/manager's check issued by a Universal or Commercial Bank;	Two percent (2%) = Php12,136.42
Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank;	
Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security;	Five percent (5%) = Php30,341.05



11. Conformity with the technical specification as enumerated and Specified in Section VI (Schedule of Requirements) and Section VII (Technical Specifications) of the bidding documents;
12. Duly Notarized Omnibus Sworn Statement in accordance with Section 25.3 of the Revised IRR of RA 9184 and using the form prescribed in Section VIII. Bidding Forms;
13. Duly Notarized Authority of the Signatory:
  - a.) For Sole Proprietorship- "Special Power of Attorney" issued by the proprietor granting full power and authority to do, execute and perform any and all acts necessary for the bidding at hand;
  - b.) For Corporation, Cooperative, or Joint Venture- "Secretary's Certificate" issued by the Corporate Secretary indicating the Board Resolution No., if any, granting full power and authority to do, execute and perform any and all acts necessary for the bidding at hand; or
  - c.) For Partnership – a "Joint Special Power of Attorney (SPA)" issued by concerned Partners granting full power and authority to do, execute and perform any and all acts necessary for the bidding at hand.
14. Duly signed Production/ Delivery schedule indicating its commitment to deliver the Goods within 30 calendar days from receipt of Contract, Purchase Order and Notice to Proceed;
15. Duly signed Technical Offer with the following complete data: item number, unit, item description, quantity, remarks (Complying or non-complying), reference/brand/manufacturer's name of the Goods offered, printed name and signature of the authorized signatory and its designation;
16. Permit to operate as manufacturer of the Goods being offered or in case of Dealer/Distributor, Dealership/ Distributorship Certificate issued by the Manufacturer of the Goods being offered with contact number and contact person written in English;
17. Brochures and or Shop Drawings of all the items stipulated under Section VI (Schedule of Requirements) of the bidding documents;
18. For foreign bidders claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos, a certification from the relevant government office of their country stating that Filipinos are allowed to participate in their government procurement activities for the same item or product.
19. Certification from the bidder stating the fact that it has no delinquent delivery from Metro Roxas Water District until the bid opening.

## **Second Envelope (Financial Proposal)**

1. Duly signed Financial Proposal Form with the following data:
  1. Supplier's/ Company's name;
  2. Address of the company or office address;
  3. Date;
  4. Unit Price for each item;
  5. Total Price per item;
  6. Total Bid Proposal in figure;

2. Duly signed Bid Form.

1. *The Checklist of Requirements for Bidders shall form part of the bidding documents. Any discrepancy among the list of requirements indicated in Section II of the bidding documents and the Checklist of Requirements for Bidder's, the latter shall prevail.*
2. *Participating bidders are required to use/follow the prescribed forms issued upon purchase of the bidding documents.*
3. *Bidders must submit one (1) original copy and three (3) certified copies by the bidder or its duly authorized representative/s for each of the required documents.*

Approved by:

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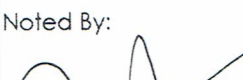

**PURCHASE REQUEST**  
**METRO ROXAS WATER DISTRICT**

<b>Department:</b> <u>Engineering</u>	<b>PR No.:</b> <u>18-07-247</u>
<b>Division:</b> <u>Const. &amp; Maint.</u>	<b>Date:</b> <u>July 18, 2018</u>

Stock Number	Unit	Item Description	QNTY	Estimated Unit Cost	Estimated Total Cost
<b>Brass Fittings</b>					
1	pc.	Brass Comb. Corp. Stopcock 1" (flared type)	50	1,068.00	53,400.00
2	pc.	Brass St. Coupling 1" (flared type)	54	484.00	26,136.00
3	pc.	Brass Hose Angle Valve 2"	5	3,099.00	15,495.00
4	pc.	Brass Ball Gate Valve 1"	52	555.00	28,860.00
					<b>123,891.00</b>
<b>Malleable Iron Pipe Fittings (Heavy Duty)</b>					
5	pc.	G.I. Cross Tee 1" (Heavy Duty)	112	244.00	27,328.00
6	pc.	G.I. Elbow 1" x 90° (Heavy Duty)	112	69.00	7,728.00
7	pc.	G.I. Tee 1" (Heavy Duty)	102	95.00	9,690.00
8	pc.	G.I. St. Elbow 2" (Heavy Duty)	5	300.00	1,500.00
9	pc.	G.I. Bushing 1" x 3/4" (Heavy Duty)	200	44.00	8,800.00
10	pc.	G.I. Nipple 1"x 3" (Heavy Duty)	173	56.00	9,688.00
11	pc.	G.I. Nipple 1"x 5" (Heavy Duty)	173	100.00	17,300.00
12	pc	G.I. Riser 1.2 meter x 2" ASTM SCH 40 (Heavy Duty)	5	1,600.00	8,000.00
					<b>90,034.00</b>
<b>PVC Pipes</b>					
13	pc.	50mm Ø x 6m PVC Pipe C-150	252	878.00	221,256.00
14	roll	H.D.P.E. Tubing 1" SDR-11 CTS (90m/roll)	7	4,500.00	31,500.00
					<b>252,756.00</b>
<b>PTFE THREAD SEALTAPE (High Quality)</b>					
15 16	pc.	Tapelontape (0.075mm x 12mm (1/2") x 10 meters)	770	13.00	10,010.00
					<b>10,010.00</b>

**Purpose:** CAPEX - Trans and Dist. Mains. Distribution Lines Expansions on Unserve Areas (2nd batch)

**254.IV.C / 106 03 110J**

<b>Requested by:</b>  <b>Engr. Riann B. Brillo</b> <b>Supervising Engr A</b> <b>Const. and Maint.</b>	<b>Recommending Approval:</b>  <b>Engr. Lizalyn B. Baylon</b> <b>Division Manager</b> <b>Const. and Maint.</b>	<b>Noted By:</b>  <b>Engr. Manuel B. Salazar</b> <b>OIC - Department Mngr.</b> <b>Eng'g and Operation Dept.</b>	<b>Approved By:</b>  <b>Engr. Gonzalo Glen B. Delgado</b> <b>General Manager</b>
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THIS IS TO CERTIFY THAT THE  
ITEMS STATED ABOVE ARE INCLUDED  
IN THE APPROPRIATE OFFICE.

  
**SHALIMAR B. VITO**  
**SUPERVISING PROCUREMENT OFFICER**




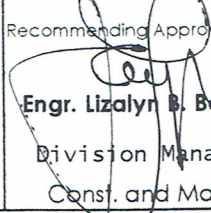
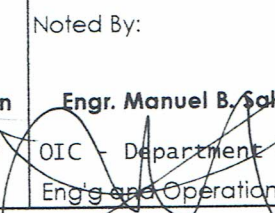
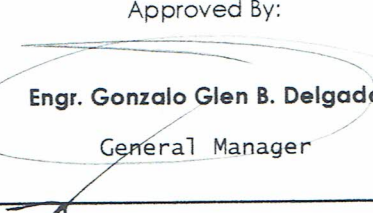
PURCHASE REQUEST  
METRO ROXAS WATER DISTRICT

Department:	Engineering	PR No.:	18-07-247
Division:	Const. & Maint.	Date:	July 18, 2018

Stock Number	Unit	Item Description	QNTY	Estimated Unit Cost	Estimated Total Cost
C.I. Fittings					
17	pc.	50mm Ø Gate Valve M/M with BNG	5	5,692.00	28,460.00
18	pc.	50mm Ø Gate Valve F/F with BNG	5	4,891.00	24,455.00
19	pc.	50mm Ø Tee M/M	3	2,252.00	6,756.00
20	pc.	100mm x 50mm Ø Tee M/M	1	5,178.00	5,178.00
21	pc.	150mm x 50mm Ø Tee M/M	2	5,178.00	10,356.00
22	pc.	50mm x 90° Elbow M/M	1	2,200.00	2,200.00
23	pc.	50mm Ø Dresser Coupling	2	1,250.00	2,500.00
24	pc.	100mm Ø Dresser Coupling	1	3,800.00	3,800.00
25	pc.	150mm Ø Dresser Coupling	2	3,800.00	7,600.00
26	pc.	50mm Ø Adaptor M/F	5	1,700.00	8,500.00
27	pc.	50mm Companion flange with thread	5	865.00	4,325.00
28	pc.	150mm HDPE Valve Box Cover	10	1,500.00	15,000.00
					119,130.00
Clip Type Plastic Saddle Clamps (Double Clips)					
29	pc.	50mm x 1" C.T. Saddle Clamp (Double Clip)	50	220.00	11,000.00
					11,000.00
Total:					P606,821.00

Purpose: CAPEX - Trans and Dist. Mains. Distribution Lines Expansions on Unserve Areas (2nd batch)

254.IV.C | 1.06.03.110J

Signature: Name: Designation:	Requested by:  Engr. Riann B. Brillo Supervising Engr A Const. and Maint.	Recommending Approval:  Engr. Lizalyn B. Baylon Division Manager Const. and Maint.	Noted By:  Engr. Manuel B. Salazar OIC - Department Mngr. Eng'g and Operation Dept.	Approved By:  Engr. Gonzalo Glen B. Delgado General Manager
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## Program of Works

Proposed Expansion Project to Sitio San Antonio, Lonoy, Roxas City

### I. PIPELINES and RELATED WORKS

#### 1.1 Pipe laying

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ PVC pipe C-150	pcs	83	878.00	72,874.00
2	150mmØ x 50mmØ C.I. Tee M/M	pc	1	5,178.00	5,178.00
3	50mmØ Gate Valve M/M	pc	1	5,692.00	5,692.00
4	150mmØ Dresser Coupling	pc	1	3,800.00	3,800.00
(sub-total pipe laying)					<b>87,544.00</b>

#### 1.2 Assemblies

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ Brass Hose Angle Valve	pc	1	3,099.00	3,099.00
2	50mmØ x 1.2m G.I. pipe riser Schedule 40 ASTM	pc	1	1,600.00	1,600.00
3	50mmØ C.I. Adaptor M/F	pc	1	1,700.00	1,700.00
4	50mmØ Gate Valve F/F	pc	1	4,891.00	4,891.00
5	50mmØ Companion Flange w/ thread	pc	1	865.00	865.00
6	6" Valve Box Cover HDPE	pcs	2	1,500.00	3,000.00
7	50mmØ G.I. St Elbow Heavy Duty	pc	1	300.00	300.00
(sub-total assemblies)					<b>15,455.00</b>

#### 1.3 Clustering activities

No.	Item Description	Unit	Qty	Unit Price	Amount
1	2"x 1" Plastic Saddle Clamp Double Clip Type	pcs	18	220.00	3,960.00
2	1" Ø Brass Corporation Stopcock F.T.	pcs	18	1,068.00	19,224.00
3	1" Ø Brass St. Coupling F.T.	pcs	18	484.00	8,712.00
4	HDPE (P.E. Tubing 1"Ø SDR-11, 90m/roll F.T CTS)	rolls	2	4,500.00	9,000.00
5	1"x 90" G.I. Elbow (Heavy duty)	pcs	40	69.00	2,760.00
6	1"x 1" G.I. Cross Tee (Heavy duty)	pcs	40	244.00	9,760.00
7	1"x 1" G.I. Tee (Heavy duty)	pcs	30	95.00	2,850.00
8	1" Brass Gate Valve (Heavy duty)	pcs	20	555.00	11,100.00
9	1"x 3" G.I. Nipple (Heavy duty)	pcs	60	56.00	3,360.00
10	1"x 5" G.I. Nipple (Heavy duty)	pcs	60	100.00	6,000.00
11	1" x 3/4" G.I. Bushing (Heavy duty)	pcs	70	44.00	3,080.00
12	Teflon	pcs	300	13.00	3,900.00
(sub-total Clustering)					<b>83,706.00</b>

Total for materials                      Php **186,705.00**

### II. LABOR COST

Labor component                      Php **65,346.75**

Overhead, Contingencies, Mark-up                      Php **9,814.05**


**Total Cost (Materials Cost + Labor Cost + O.C.M.)**                      Php **261,865.80**

Prepared By:


  
**Engr. Riann B. Brillo**

Supervising Engineer - A

Approved By:

  
**Engr. Gonzalo Glen B. Delgado**  
 General Manager

Recommending for Approval:

  
**Engr. Vincent I. Villasis**  
 Division Manager CMD

## Program of Works

Proposed Expansion Project to Sitio Katamnan, Calitan, Panay, Capiz

### I. PIPELINES and RELATED WORKS

#### 1.1 Pipe laying

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ PVC pipe C-150	pcs	59	878.00	51,802.00
2	150mmØ x 50mmØ C.I. Tee M/M	pc	1	5,178.00	5,178.00
3	50mmØ Gate Valve M/M	pc	1	5,692.00	5,692.00
4	150mmØ Dresser Coupling	pc	1	3,800.00	3,800.00
(sub-total pipe laying)					66,472.00

#### 1.2 Assemblies

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ Brass Hose Angle Valve	pc	1	3,099.00	3,099.00
2	50mmØ x 1.2m G.I. pipe riser Schedule 40 ASTM	pc	1	1,600.00	1,600.00
3	50mmØ C.I. Adaptor M/F	pc	1	1,700.00	1,700.00
4	50mmØ Gate Valve F/F	pc	1	4,891.00	4,891.00
5	50mmØ Companion Flange w/ thread	pc	1	865.00	865.00
6	6" Valve Box Cover HDPE	pcs	2	1,500.00	3,000.00
7	50mmØ G.I. St Elbow Heavy Duty	pc	1	300.00	300.00
(sub-total assemblies)					15,455.00

#### 1.3 Clustering activities

No.	Item Description	Unit	Qty	Unit Price	Amount
1	2"x 1" Plastic Saddle Clamp Double Clip Type	pcs	14	220.00	3,080.00
2	1" Ø Brass Corporation Stopcock F.T.	pcs	14	1,068.00	14,952.00
3	1" Ø Brass St. Coupling F.T.	pcs	14	484.00	6,776.00
4	HDPE (P.E. Tubing 1"Ø SDR-11, 90m/roll F.T CTS)	rolls	2	4,500.00	9,000.00
5	1"x 90° G.I. Elbow (Heavy duty)	pcs	25	69.00	1,725.00
6	1"x 1" G.I. Cross Tee (Heavy duty)	pcs	25	244.00	6,100.00
7	1"x 1" G.I. Tee (Heavy duty)	pcs	25	95.00	2,375.00
8	1" Brass Gate Valve (Heavy duty)	pcs	14	555.00	7,770.00
9	1"x 3" G.I. Nipple (Heavy duty)	pcs	50	56.00	2,800.00
10	1"x 5" G.I. Nipple (Heavy duty)	pcs	50	100.00	5,000.00
11	1" x 3/4" G.I. Bushing (Heavy duty)	pcs	60	44.00	2,640.00
12	Teflon	pcs	200	13.00	2,600.00
(sub-total Clustering)					64,818.00

Total for materials Php 146,745.00

### II. LABOR COST

Labor component Php 51,360.75

Overhead, Contingencies, Mark-up Php 7,337.25

Total Cost (Materials Cost + Labor Cost + O.C.M.) Php 205,443.00

Prepared By:

Engr. Riann B. Brillo

Supervising Engineer - A

Approved By:

Engr. Gonzalo Glen B. Delgado

General Manager

Recommending for Approval:

Engr. Vincent I. Villasis

Division Manager CMD



## Program of Works

Proposed Expansion Project to Sitio Barri, Baliuagan, Roxas City

### I. PIPELINES and RELATED WORKS

#### 1.1 Pipe laying

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ PVC pipe C 150	pcs	25	878.00	21,950.00
2	100mmØ x 50mmØ C.I. Tee M/M	pc	1	5,178.00	5,178.00
3	50mmØ Gate Valve M/M	pc	1	5,692.00	5,692.00
4	100mmØ Dresser Coupling	pc	1	3,800.00	3,800.00
(sub-total pipe laying)					<b>36,620.00</b>

#### 1.2 Assemblies

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ Brass Hose Angle Valve	pc	1	3,099.00	3,099.00
2	50mmØ x 1.2m G.I. pipe riser Schedule 40 ASTM	pc	1	1,600.00	1,600.00
3	50mmØ C.I. Adaptor M/F	pc	1	1,700.00	1,700.00
4	50mmØ Gate Valve F/F	pc	1	4,891.00	4,891.00
5	50mmØ Companion Flange w/ thread	pc	1	865.00	865.00
6	6" Valve Box Cover HDPE	pcs	2	1,500.00	3,000.00
7	50mmØ G.I. St Elbow Heavy Duty	pc	1	300.00	300.00
(sub-total assemblies)					<b>15,455.00</b>

#### 1.3 Clustering activities

No.	Item Description	Unit	Qty	Unit Price	Amount
1	2"x 1" Plastic Saddle Clamp Double Clip Type	pcs	6	220.00	1,320.00
2	1" Ø Brass Corporation Stopcock F.T.	pcs	6	1,068.00	6,408.00
3	1" Ø Brass St. Coupling F.T.	pcs	10	484.00	4,840.00
4	HDPE (P.E. Tubing 1"Ø SDR-11, 90m/roll F.T CTS)	rolls	1	4,500.00	4,500.00
5	1"x 90" G.I. Elbow (Heavy duty)	pcs	15	69.00	1,035.00
6	1"x 1" G.I. Cross Tee (Heavy duty)	pcs	15	244.00	3,660.00
7	1"x 1" G.I. Tee (Heavy duty)	pcs	15	95.00	1,425.00
8	1" Brass Gate Valve (Heavy duty)	pcs	6	555.00	3,330.00
9	1"x 3" G.I. Nipple (Heavy duty)	pcs	20	56.00	1,120.00
10	1"x 5" G.I. Nipple (Heavy duty)	pcs	20	100.00	2,000.00
11	1" x 3/4" G.I. Bushing (Heavy duty)	pcs	20	44.00	880.00
12	Teflon	pcs	100	13.00	1,300.00
(sub-total Clustering)					<b>31,818.00</b>

Total for materials                      Php    **83,893.00**

### II. LABOR COST

Labor component                      Php    **29,362.55**

Overhead, Contingencies, Mark-up                      Php    **4,194.65**

**Total Cost (Materials Cost + Labor Cost + O.C.M.)**                      Php    **117,450.20**

Prepared By:

Engr. Riann B. Brillo  
 Supervising Engineer - A

Approved By:

Engr. Gonzalo Glen B. Delgado  
 General Manager

Recommending for Approval:

Engr. Vincent I. Villasis  
 Division Manager CMD



## Program of Works

Proposed Expansion Project to Brgy. Mongpong, Roxas City going to Vivencia Aler

### I. PIPELINES and RELATED WORKS

#### 1.1 Pipe laying

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ PVC pipe C-150	pcs	70	878.00	61,460.00
2	50mmØ x 50mmØ C.I. Tee M/M	pcs	2	2,252.00	4,504.00
3	50mmØ Gate Valve M/M	pc	1	5,692.00	5,692.00
4	50mmØ x 90 Elbow M/M	pc	1	2,200.00	2,200.00
5	50mmØ Dresser Coupling	pc	1	1,250.00	1,250.00
(sub-total pipe laying)					<b>75,106.00</b>

#### 1.2 Assemblies

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ Brass Hose Angle Valve	pc	1	3,099.00	3,099.00
2	50mmØ x 1.2m G.I. pipe riser Schedule 40 ASTM	pc	1	1,600.00	1,600.00
3	50mmØ C.I. Adaptor M/F	pc	1	1,700.00	1,700.00
4	50mmØ Gate Valve F/F	pc	1	4,891.00	4,891.00
5	50mmØ Companion Flange w/ thread	pc	1	865.00	865.00
6	6" Valve Box Cover HDPE	pcs	2	1,500.00	3,000.00
7	50mmØ G.I. St. Elbow Heavy Duty	pc	1	300.00	300.00
(sub-total assemblies)					<b>15,455.00</b>

#### 1.3 Clustering activities

No.	Item Description	Unit	Qty	Unit Price	Amount
1	2"x 1" Plastic Saddle Clamp Double Clip Type	pcs	8	220.00	1,760.00
2	1" Ø Brass Corporation Stopcock F.T.	pcs	8	1,068.00	8,544.00
3	1" Ø Brass St. Coupling F.T.	pcs	8	484.00	3,872.00
4	HDPE (P.E. Tubing 1"Ø SDR 11, 90m/roll F.T. CTS)	rolls	1	4,500.00	4,500.00
5	1"x 90" G.I. Elbow (Heavy duty)	pcs	20	69.00	1,380.00
6	1"x 1" G.I. Cross Tee (Heavy duty)	pcs	20	244.00	4,880.00
7	1"x 1" G.I. Tee (Heavy duty)	pcs	20	95.00	1,900.00
8	1" Brass Gate Valve (Heavy duty)	pcs	8	555.00	4,440.00
9	1"x 3" G.I. Nipple (Heavy duty)	pcs	25	56.00	1,400.00
10	1"x 5" G.I. Nipple (Heavy duty)	pcs	25	100.00	2,500.00
11	1" x 3/4" G.I. Bushing (Heavy duty)	pcs	20	44.00	880.00
12	Teflon	pcs	100	13.00	1,300.00
(sub-total Clustering)					<b>37,356.00</b>

Total for materials                      Php **127,917.00**

### II. LABOR COST

Labor component                      Php **44,770.95**

Overhead, Contingencies, Mark-up                      Php **6,395.85**

**Total Cost (Materials Cost + Labor Cost + O.C.M.)**                      Php **179,083.80**

Prepared By:

Engr. Rjann B. Brillo  
 Supervising Engineer - A

Recommending for Approval:

Engr. Vincent I. Villasis  
 Division Manager CMD

Approved By:

Engr. Gonzalo Glen B. Delgado  
 General Manager



## Program of Works

Proposed Expansion Project to Sitio Baybay, Brgy. Buntod, Panay, Capiz

### I. PIPELINES and RELATED WORKS

#### 1.1 Pipe laying

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ PVC pipe C-150	pcs	15	878.00	13,170.00
2	50mmØ x 50mmØ C.I. Tee M/M	pc	1	2,252.00	2,252.00
3	50mmØ Gate Valve M/M	pc	1	5,692.00	5,692.00
4	50mmØ Dresser Coupling	pc	1	1,250.00	1,250.00
(sub-total pipe laying)					<b>22,364.00</b>

#### 1.2 Assemblies

No.	Item Description	Unit	Qty	Unit Price	Amount
1	50mmØ Brass Hose Angle Valve	pc	1	3,099.00	3,099.00
2	50mmØ x 1.2m G.I. pipe riser Schedule 40 ASTM	pc	1	1,600.00	1,600.00
3	50mmØ C.I. Adaptor M/F	pc	1	1,700.00	1,700.00
4	50mmØ Gate Valve F/F	pc	1	4,891.00	4,891.00
5	50mmØ Companion Flange w/ thread	pc	1	865.00	865.00
6	6" Valve Box Cover HDPE	pcs	2	1,500.00	3,000.00
7	50mmØ G.I. St Elbow Heavy Duty	pc	1	300.00	300.00
(sub-total assemblies)					<b>15,455.00</b>

#### 1.3 Clustering activities

No.	Item Description	Unit	Qty	Unit Price	Amount
1	2"x 1" Plastic Saddle Clamp Double Clip Type	pcs	4	220.00	880.00
2	1" Ø Brass Corporation Stopcock F.T.	pcs	4	1,068.00	4,272.00
3	1" Ø Brass St. Coupling F.T.	pcs	4	484.00	1,936.00
4	HDPE (P.E.) Tubing 1"Ø SDR-11, 90m/roll F.T CTS)	rolls	1	4,500.00	4,500.00
5	1"x 90" G.I. Elbow (Heavy duty)	pcs	12	69.00	828.00
6	1"x 1" G.I. Cross Tee (Heavy duty)	pcs	12	244.00	2,928.00
7	1"x 1" G.I. Tee (Heavy duty)	pcs	12	95.00	1,140.00
8	1" Brass Gate Valve (Heavy duty)	pcs	4	555.00	2,220.00
9	1"x 3" G.I. Nipple (Heavy duty)	pcs	18	56.00	1,008.00
10	1"x 5" G.I. Nipple (Heavy duty)	pcs	18	100.00	1,800.00
11	1" x 3/4" G.I. Bushing (Heavy duty)	pcs	30	44.00	1,320.00
12	Teflon	pcs	70	13.00	910.00
(sub-total Clustering)					<b>23,742.00</b>

Total for materials      Php    **61,561.00**

### II. LABOR COST

Labor component      Php    **21,546.35**

Overhead, Contingencies, Mark-up      Php    **3,078.05**

Total Cost (Materials Cost + Labor Cost + O.C.M.)      Php    **86,185.40**

Prepared By

Engr. Riann B. Brillo

Supervising Engineer - A

Recommending for Approval:

Engr. Vincent I. Villasis

Division Manager CMD

Approved By:

Engr. Gonzalo Glen B. Delgado

General Manager