



Republic of the Philippines  
**National Irrigation Administration**  
Central Office

**SUPPLEMENTAL NOTICE NO. 1**

**to the**

**BID DOCUMENTS**

**for the**

**Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region VI  
under Small Reservoir Irrigation Project**

**ITB No. R6-CSRIPD-C-36**

The following changes/ information are hereby made on the above-mentioned Invitation to Bid (ITB):

1. Delete Section III. Bid Data Sheet of the Bidding Documents and substitute the herein attached replacement sheets (Attachment Sheets No. 1 to 4);
2. Delete page 28 under Section V. Special Conditions of Contract of the Bidding Documents and substitute the herein attached replacement sheets (Attachment Sheet No. 5);
3. Delete the Supplemental Information under Section V-A of the Bidding Documents and substitute the herein attached replacement sheets (Attachment Sheet Nos. 6 and 7);
4. Delete pages TS-I-4 and TS-IX-1 of Section VI. Technical Specifications of the Bidding Documents and substitute the herein attached replacement sheets (Attachment Sheet Nos. 8 and 9);
5. Delete Section VIII. Bill of Quantities of the Bidding Documents and substitute the herein attached replacement sheets (Attachment Sheets No. 10 to 17);
6. The attached "Minutes of Pre-bidding Conference" shall form part of the Bid Documents (Attachment Sheets No. 18 to 22); and
7. Note the following information regarding the purchase of Bidding Documents through online payment.

Account Name: National Irrigation Administration  
Account Number: 1872-1020-40

  
**ATTY. AILYNE C. AGTUCA-SELDA**  
BAC-A Vice Chairperson

## Bid Data Sheet

ITB Clause															
5.2	<p>For this purpose, <b>contracts similar to the Project</b> refer to contracts which have the same major categories of work, which shall be:</p> <p>Construction of Dam/ Embankment Dam (for agricultural and/or hydropower projects) and/or Flood Control Projects (Protection Dikes and/or Sabo Dam and/or Floodway) and/or Irrigation Canal/Canal Structures, and/or other Major Hydraulic Structures and/or Structures for Irrigation with a value of at least fifty percent (50%) of ABC. All prospective bidders should possess a valid PCAB license with a Principal Classification and Category in General Engineering as “AAA” and Registration Particulars with respective size range of <b>Large “B”</b> in Dam, Reservoir or Tunneling, and/or Irrigation Facilities and Flood Control.</p>														
7.1	<p>Subcontracting is allowed, subject to evaluation and approval of the sub-contracting agreement in accordance with NIA MC No. 37, s.2014. The sub-contractor shall undertake not more than 50% of the contract works.</p> <p><b>NOTE:</b> <i>The contractor shall undertake not less than 50% of the contracted works with its own resources.</i></p>														
10.3	No further instructions.														
10.4	<p>The key personnel must meet the required minimum years of experience set below: (Field Office not yet furnish)</p> <table> <tr> <th><u>Key Personnel</u></th><th><u>Relevant Experience</u></th></tr> <tr> <td>1 – Project Manager</td><td>– A licensed Civil Engineer (PRC License) with at least five (5) years experience as Project Manager;</td></tr> <tr> <td>1 – Project Engineer</td><td>– A licensed Civil Engineer (PRC License) with at least three (3) years experience as Project Engineer in similar works;</td></tr> <tr> <td>2 – Office Engineer</td><td>– A Licensed Civil Engineer (PRC License) with at least one (1) year experience in engineering works with AUTOCAD training certificate;</td></tr> <tr> <td>1 – Materials Engineer II</td><td>– With at least two (2) years’ experience as Materials Engineer II duly accredited by the DPWH;</td></tr> <tr> <td>1 – Mechanical Engineer</td><td>- A Licensed Mechanical Engineer (PRC License) with at least three (3) years experience in Mechanical Works</td></tr> <tr> <td>1 – Electrical Engineer</td><td>- A Licensed Electrical Engineer (PRC License) with at least three (3) years experience in Electrical Works</td></tr> </table>	<u>Key Personnel</u>	<u>Relevant Experience</u>	1 – Project Manager	– A licensed Civil Engineer (PRC License) with at least five (5) years experience as Project Manager;	1 – Project Engineer	– A licensed Civil Engineer (PRC License) with at least three (3) years experience as Project Engineer in similar works;	2 – Office Engineer	– A Licensed Civil Engineer (PRC License) with at least one (1) year experience in engineering works with AUTOCAD training certificate;	1 – Materials Engineer II	– With at least two (2) years’ experience as Materials Engineer II duly accredited by the DPWH;	1 – Mechanical Engineer	- A Licensed Mechanical Engineer (PRC License) with at least three (3) years experience in Mechanical Works	1 – Electrical Engineer	- A Licensed Electrical Engineer (PRC License) with at least three (3) years experience in Electrical Works
<u>Key Personnel</u>	<u>Relevant Experience</u>														
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1 – Electrical Engineer	- A Licensed Electrical Engineer (PRC License) with at least three (3) years experience in Electrical Works														

	<div><div>1 – Civil Engineer</div><div>– A Licensed Civil Engineer (PRC License) with at least 3 years of experience in Geotechnical works;</div></div> <div><div>1 – Geologist</div><div>– A Licensed Geologist (PRC License) with at least three (3) years experience in Dam Embankment foundation treatment;</div></div> <div><div>1 – Safety/Health Officer</div><div>– With Training Certificate duly accredited by DOLE and with at least two (2) years experience as Safety Officer;</div></div> <div><div>1 – Geodetic Engineer</div><div>– with at least two (2) years experience as Geodetic Engineer (PRC License);</div></div> <div><div>3 – Foreman:</div><div></div></div> <div><div>2 – for Earthworks</div><div>– with at least three (3) years experience as Foreman for Earthworks;</div></div> <div><div>1 – for Concreting</div><div>– with at least three (3) years experience as Foreman for concreting and/or other related works.</div></div> <div><div>No replacement of personnel shall be allowed by NIA until after fifty percent (50%) of the project has been completed, except for justifiable reason to be approved by NIA.</div></div>																												
10.5	<div>The minimum major equipment requirements for the project are the following:</div> <table><tr><th></th><th>Type of Equipment</th><th colspan="2">Quantity</th></tr><tr><td>1.</td><td>Trailer Truck</td><td>1</td><td>unit</td></tr><tr><td>2.</td><td>Dozer w/ Ripper, 320 HP*</td><td>3</td><td>units</td></tr><tr><td>3.</td><td>Dozer, 180 HP*</td><td>4</td><td>units</td></tr><tr><td>4.</td><td>Wheel Loader, 1.53 cu.m. bucket capacity*</td><td>5</td><td>units</td></tr><tr><td>5.</td><td>Self-Propelled Vibratory Tamping Foot Roller, 10 Tonner capacity*</td><td>1</td><td>unit</td></tr><tr><td>6.</td><td>Self-Propelled Vibratory Smooth Drum Roller, 10 Tonner capacity*</td><td>2</td><td>unit</td></tr></table>		Type of Equipment	Quantity		1.	Trailer Truck	1	unit	2.	Dozer w/ Ripper, 320 HP*	3	units	3.	Dozer, 180 HP*	4	units	4.	Wheel Loader, 1.53 cu.m. bucket capacity*	5	units	5.	Self-Propelled Vibratory Tamping Foot Roller, 10 Tonner capacity*	1	unit	6.	Self-Propelled Vibratory Smooth Drum Roller, 10 Tonner capacity*	2	unit
	Type of Equipment	Quantity																											
1.	Trailer Truck	1	unit																										
2.	Dozer w/ Ripper, 320 HP*	3	units																										
3.	Dozer, 180 HP*	4	units																										
4.	Wheel Loader, 1.53 cu.m. bucket capacity*	5	units																										
5.	Self-Propelled Vibratory Tamping Foot Roller, 10 Tonner capacity*	1	unit																										
6.	Self-Propelled Vibratory Smooth Drum Roller, 10 Tonner capacity*	2	unit																										

7.	Road Grader, 125 HP*	1	unit
8.	Backhoe Hydraulic Crawler, 1.50 cu.m. bucket capacity*	4	units
9.	Backhoe Hydraulic Crawler, 1.50 cu.m. bucket capacity with Breaker*	3	units
10.	Portable Concrete Batching Plant *	1	unit
11.	Hydraulic Crane, 30 Tons capacity*	1	unit
12.	Dump Truck, 12.00 cu.m. capacity*	12	units
13.	Transit Mixer, 6.50 cu.m. capacity*	2	units
14.	Water Truck, 500 – 1,000 Gal. capacity	1	unit
15.	Cargo Truck, 13-15 Metric Tons, 320 HP	1	unit
16.	Concrete One Bagger Mixer	3	units
17.	Welding Machine, 300 Amp	1	units
18.	Material Testing Equipment, Field Density Equipment	1	units
19.	Concrete Vibrator	1	unit
20.	Survey Equipment (Total Station)	1	unit
21.	Air Compressor, 160 CFM	6	unit
22.	Crawler Air Drill	6	units
23.	Grout Pump	3	units
24.	Grout Mixer	3	unit
25.	Water Pump, 4" diameter	6	units
26.	Bar Cutter	5	units

	<table><tr><td>27.</td><td>Bar Bender</td><td>5</td><td>units</td></tr><tr><td>28.</td><td>Service Vehicle (Pick –up 4x4)</td><td>1</td><td>unit</td></tr><tr><td>29.</td><td>Generator Set 125 KVA</td><td>1</td><td>unit</td></tr><tr><td>30.</td><td>Rotary Drill*</td><td>1</td><td>unit</td></tr></table> <p><u>* All of the Major Equipment must be in A1 condition and at least 30% must be owned by the Bidder. No replacement shall be made throughout the contract duration without prior written approval of NIA.</u></p>	27.	Bar Bender	5	units	28.	Service Vehicle (Pick –up 4x4)	1	unit	29.	Generator Set 125 KVA	1	unit	30.	Rotary Drill*	1	unit
27.	Bar Bender	5	units														
28.	Service Vehicle (Pick –up 4x4)	1	unit														
29.	Generator Set 125 KVA	1	unit														
30.	Rotary Drill*	1	unit														
12	No further instructions.																
15.1	<p>The bid security shall be in the form of a <b>Bid Securing Declaration</b> or any of the following forms and amounts:</p> <p>a. The amount of not less than <b>PhP10,907,972.68</b> <i>[2% of the ABC]</i> (two percent (2%) of ABC), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</p> <p>b. The amount of not less than <b>PhP27,269,931.69</b> <i>[5% of the ABC]</i> (five percent (5%) of ABC) if bid security is in Surety Bond.</p>																
16	Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its bid.																
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.																
20	<p>Only Tax Returns filed and taxes paid through the BIR Electronic Filing Payment System (EFPS) shall be accepted.</p> <p>Note: The Latest Income and Business tax returns are those within the last six months preceding the date of Bid submission.</p>																
21	<p>Additional contract documents relevant to the Project required:</p> <p>a) Construction schedule in the form of PERT/CPM, Bar/Gantt Chart and S-curve;</p> <p>b) Manpower schedule;</p> <p>c) Construction methods and procedures;</p> <p>d) Equipment utilization schedule;</p> <p>e) Construction safety and health program approved by the Department of Labor and Employment (DOLE);</p> <p>f) Contractor's Environmental Management Plan (CEMP); and</p> <p>g) Organizational Chart.</p>																



## Special Conditions of Contract

GCC Clause	
2	The <b>Intended Completion Date</b> is <b>1,095</b> calendar days including 127 unworkable days from the start of the contract.
3.1	The <b>Procuring Entity</b> shall give possession of all parts of the Site to the Contractor at the Start Date of the Contract. The start date of the Contract is upon receipt of the Notice to Proceed.
6	The site investigation reports are: none
7.2	<p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> <b>Fifteen (15) years.</b></p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> <b>Five (5) years.</b></p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> <b>Two (2) years.</b></p>
10	No day works are applicable to the contract.
11.1	<p>The Contractor shall submit the Program of Work to the Procuring Entity's Representative within thirty (30) calendar days from receipt of the Notice to Proceed.</p> <p>The Construction Program shall include, among others, Updates of the PERT/CPM Network, Bar/Gantt Chart, Manpower and Equipment Utilization Schedules, Updated Cash Flow by Quarter and Payment Schedule and Organizational Chart, which was previously submitted pursuant to ITB Clause 21 of the ITB.</p>
11.2	The amount to be withheld for late submission of an updated Program of Work is the whole amount claim in the next Progress Billing.
11.3	<p>Add the following Sub-Clause 11.3.</p> <p>The Contractor is also required to submit a Monthly Statistical Report (MSR) within seven (7) calendar days after the end of each month or reporting period, without cost to the Procuring Entity, consisting of the following information:</p>

## SUPPLEMENTAL INFORMATION

PROJECT : Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6 Under Small Reservoir Irrigation Project

LOCATION : Sitio Tiprosan, Brgy. Aguilar, Municipality of San Lorenzo, Guimaras Province, Region 6

1. Site Visit and Inspection, Register at NIA Regional Office VI, located in Jaro, Iloilo.
2. List of Officers/Offices to be furnished correspondence from the Contractor.
  - a) The Deputy Administrator  
For Engineering & Operations  
National Irrigation Administration  
5<sup>th</sup> Floor, NIA Complex  
EDSA, Diliman, Quezon City
  - b) The Regional Irrigation Manager  
Regional Office 6  
National Irrigation Administration  
Jaro, Iloilo City
  - c) The Division Manager  
Regional Office 6  
National Irrigation Administration  
Jaro, Iloilo City

3. List of Initial Equipment required to be mobilized within twenty (20) calendar days after receipt of Notice to Proceed, Page TS-1-2, paragraph 101 (b) of Section I.

Type of Equipment		Quantity	
1.	Backhoe Hydraulic Crawler, 1.50 bucket capacity	2	units
2.	Dozer, 180 HP	1	units
3.	Wheel Loader, 1.53 cu.m bucket capacity	3	units
4.	Dump Truck, 12.00 cu.m. Capacity	5	units

4. Minimum Equipment Requirements for the Contract:

## Supplemental Information

	Type of Equipment	Quantity	
1.	Trailer Truck	1	unit
2.	Dozer w/ Ripper, 320 HP	3	units
3.	Dozer, 180 HP	4	units
4.	Wheel Loader, 1.53 cu.m. bucket capacity	5	units
5.	Self-Propelled Vibratory Tamping Foot, 10 Tonner capacity	1	unit
6.	Self-Propelled Vibratory Smooth Drum, 10 Tonner capacity	2	unit
7.	Road Grader, 125 HP	1	unit
8.	Backhoe Hydraulic Crawler, 1.50 cu.m. bucket capacity	4	units
9.	Backhoe Hydraulic Crawler, 1.50 cu.m. bucket capacity with Breaker	3	units
10.	Portable Concrete Batching Plant	1	unit
11.	Hydraulic Crane, 30 Tons capacity	1	unit
12.	Dump Truck, 12.00 cu.m. capacity	12	units
13.	Transit Mixer, 6.50 cu.m. capacity	2	units
14.	Water Truck, 500 – 1,000 Gal. capacity	1	unit
15.	Cargo Truck, 13-15 metric tons, 320 HP	1	unit
16.	Concrete One Bagger Mixer	3	units
17.	Welding Machine, 300 Amp	1	units
18.	Material Testing Equipment, Field Density Equipment	1	units
19.	Concrete Vibrator	1	unit
20.	Survey Equipment (Total Station)	1	unit
21.	Air Compressor, 160 CFM	6	unit
22.	Crawler Air Drill	6	units
23.	Grout Pump	3	units
24.	Grout Mixer	3	unit
25.	Water Pump, 4" diameter	6	units
26.	Bar Cutter	5	units
27.	Bar Bender	5	units
28.	Service Vehicle (Pick –up 4x4)	1	unit
29.	Generator Set, 125 KVA	1	unit
30.	Rotary Drill	1	Unit



Temporary Works, Construction Plant, Mobilization  
of Construction Equipment, and Demobilization Work

Description of Equipment	No. of Points
Crane	<u>10</u>
D-8 or equivalent	<u>10</u>
Concrete Batching Plant	<u>10</u>
D-7 or equivalent	<u>9</u>
Motorized Scraper	<u>9</u>
D-6 or equivalent	<u>8</u>
Aggregate Processing Plant	<u>8</u>
Towed Scraper	<u>7</u>
Road Grader	<u>6</u>
Backhoe	<u>6</u>
Front End Loader	<u>5</u>
Self-Propelled Roller	<u>5</u>
Road Roller	<u>5</u>
Concrete Mixer, 3-4 bagger	<u>4</u>
254mm dia Pump (10")	<u>4</u>
203.2mm dia Pump (8")	<u>3</u>
Welding Equipment	<u>2</u>
Lathe Machine	<u>2</u>
Transit Mixer	<u>2</u>
Concrete Mixer, 2 bagger	<u>2</u>
Generator, 10KV	<u>2</u>
Compressors and Jack Hammers	<u>2</u>
Pile Driving Equipment	<u>2</u>
Farm Tractor	<u>2</u>
Water Truck	<u>1</u>
Sheepsfoot Roller	<u>1</u>
Generator, 5KV	<u>1</u>
Concrete Mixer, 1 bagger	<u>1</u>
101.6mm dia Pump (4")	<u>1</u>
76.2mm dia Pum (3")	<u>1</u>
Dump/Stake Truck	<u>1</u>
Aggregate Scale	<u>1</u>
152.4mm dia Pump (6")	<u>2</u>

5. The remaining twenty percent (20%) of the lump sum price will be paid to the Contractor upon completion of the Contract Work.

## SECTION IX

### CONCRETE JOINTS AND JOINT MATERIALS

#### 901 SCOPE

This Section covers the details of construction of expansion and contraction, and construction joints in concrete including joint materials. Concrete joints and joint materials shall be in accordance with the Drawings and these Specifications.

#### 902 JOINTS IN CONCRETE

##### (a) Construction Joints

Unless otherwise specified in these Specifications or shown in the Drawings, the location of all construction joints in concrete work shall be subject to approval by the Engineer, and the joints shall be constructed in accordance with Paragraph 617 of Section VI. To prevent feather-edges, construction joints which intercept surfaces at a relatively small angle shall be sloped, adjacent to the intersection, approximately normal to such surfaces to form a 15 to 20 centimeters offset.

Joint sealant materials and placement shall be as specified in Paragraph 1003. The cost of constructing construction joints shall be included in the contract unit price of concrete where they are required.

In structures requiring water tightness and in which waterstops are specified for construction joints or as shown in the Drawings, construction joints introduced by the Contractor, as approved by the Engineer, for the convenience of the Contractor shall be equipped with waterstops at the expense of the Contractor.

##### (b) Contraction and Expansion Joints

Contraction and expansion joints of the types shown in the Drawings shall be constructed at the locations indicated. The joints shall be made by forming the concrete on one side of the joint and allowing it to set before the concrete is placed on the other side of the joint. The surface of the concrete first placed at a contraction and expansion joint shall be cleaned and coated with sealing compound before the concrete on the other side of the joint is placed. For expansion joints wherein the locations are shown in the Drawings, the half end portion of dowel bars shall be painted with epoxy primer in accordance with Section- XXVII, to allow movement and to prevent bonding of concrete. The Contractor shall furnish the sealing compound conforming to ...

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN FIGURES	TOTAL
1	SECTION I	A. Temporary Works, Construction Plant, Mobilization of Construction Equipment and Demobilization Work	1.00	Lump Sum		
					P	P
		SUB-TOTAL A				
2	SECTION II	B. Stripping (Clearing and Grubbing and Disposal of Waste Materials) (Including AHD = 1.50 km)	38,546.00	sq.m.		
					P	P
		SUB-TOTAL B				
3	SECTION III	C. Diversion and Care of River during Construction and Dewatering	1.00	Lump Sum		
					P	P
		SUB-TOTAL C				
		D. DAM AREA				
4	SECTION IV	Excavation and Foundation preparation a) Common	210,899.76	cu.m.		
					P	P
		b) Rock	23,501.34	cu.m.		
5	SECTION IV-A	Overhaul (Waste Disposal), AHD = 1.50 kms.	234,401.10	cu.m.		
					P	P
6	SECTION V	Dam Embankment a) Impervious Clay	142,563.86	cu.m.		
					P	P
		b) Random Fill	213,843.65	cu.m.		
					P	P
		c) Test Fill	1,500.00	cu.m.		
					P	P

Name of Firm: \_\_\_\_\_

Page 1 of 9 -BF

NIA Bid Form

**BILL OF QUANTITIES AND BID PRICES****SMALL RESERVOIR IRRIGATION PROJECT****Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6****San Lorenzo, Guimaras****Invitation to Bid No. R6-CSRIPD-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN FIGURES	TOTAL
		<b>D. DAM AREA</b>				
7	SECTION X	d) Boulder Riprap	15,433.47	cu.m.	P _____	P _____
	SECTION V	e) Gravel Bedding	7,321.87	cu.m.	P _____	P _____
		f) Rock Toe Drain	28,161.12	cu.m.	P _____	P _____
8	SECTION XX	g) Grass Sodding	10,326.70	sqm.	P _____	P _____
9	SECTION XI	h) Filter Drain ( Sand & Gravel)	20,951.10	cu.m.	P _____	P _____
10	SECTION VII	Concrete Structures a) Class "A", 211 kg/cm <sup>2</sup>	28.52	cu.m.	P _____	P _____
		b) Class "B", 170 kg/cm <sup>2</sup>	155.96	cu.m.	P _____	P _____
11	SECTION VIII	Reinforcing Steel Bars, all sizes a) Grade 60	3,412.78	kgs.	P _____	P _____

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in strict accordance with the terms and conditions of these Bid Documents.

Name of Firm: \_\_\_\_\_

\_\_\_\_\_  
Name in Print & Signature of Bidder

NIA Bid Form

**BILL OF QUANTITIES AND BID PRICES****SMALL RESERVOIR IRRIGATION PROJECT****Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6****San Lorenzo, Guimaras****Invitation to Bid No. R6-CSRIPD-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN FIGURES	TOTAL
		<b>D. DAM AREA</b>				
12	SECTION XIII	Drilling and Grouting				
		a) Drilling (Non-coring)	6,066.00	l.m.	P _____	P _____
		b) Standpipe (2" dia x 1m)	293.00	pcs.	P _____	P _____
		c) Checkhole (Core-drilling)	132.00	l.m.	P _____	P _____
		d) Pressure Grouting	850.00	bags	P _____	P _____
		e) Water Pressure Test	32.00	tests	P _____	P _____
13	SECTION XV	Dam Instrumentation				
		a) Standpipe Piezometer (Furnish 18 sets)	1.00	Lump Sum	P _____	P _____
		1. Plain PVC Tube, 38mm. dia., sch 80				
		2. Perforated PVC Tube, 38mm. dia., sch 80				
		3. Top, Bottom PVC caps and PVC couplings				
		4. Water Level Indicator, 50 meters				
		5. Bentonite Pellets, 25 kg/bag				
		6. Plastic Piezometer Tip				

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in strict accordance with the terms and conditions of these Bid Documents.

Name of Firm: \_\_\_\_\_

\_\_\_\_\_  
Name in Print & Signature of Bidder



NIA Bid Form

**BILL OF QUANTITIES AND BID PRICES**  
**SMALL RESERVOIR IRRIGATION PROJECT**  
**Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6**  
**San Lorenzo, Guimaras**  
**Invitation to Bid No. R6-CSRIPD-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN FIGURES	TOTAL
		<b>D. DAM AREA</b>				
		b) Installation (18 sets) Standpipe Piezometer 1. Plain PVC Tube, 38mm. dia., sch 80 2. Perforated PVC Tube, 38mm. dia., sch 80 3. Top, Bottom PVC caps and PVC couplings 4. Water Level Indicator, 50 meters 5. Bentonite Pellets, 25 kg/bag 6. Plastic Piezometer Tip	1.00	Lump Sum	P _____	P _____
		c) Non-Core Drilling	383.00	l.m.	P _____	P _____
		d) Surface Measurement Point	15.00	units	P _____	P _____
		e) Bench Mark	3.00	units	P _____	P _____
		f) Staff Gauge	17.00	units	P _____	P _____
		g) Seepage measuring Weir g.1. Perporated PVC Pipe, 150 mm dia g.2. Seepage measuring structure	6.00 1.00	l.m. L.s.	P _____ P _____	P _____ P _____
14	SECTION XVI	Miscellaneous Metal Works & Materials a.) Metal Beam Rail x 3m (AASHTO M180)	773.16	l.m	P _____	P _____
		b.) 50mm Ø G.I. Pipe Railings (Schedule 40)	115.80	l.m	P _____	P _____
		c.) 75mm Ø G.I. Pipe Railings (Schedule 40)	960.00	l.m	P _____	P _____

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in strict accordance with the terms and conditions of these Bid Documents.

Name of Firm: \_\_\_\_\_

\_\_\_\_\_  
Name in Print & Signature of Bidder

NIA Bid Form

**BILL OF QUANTITIES AND BID PRICES**  
**SMALL RESERVOIR IRRIGATION PROJECT**  
**Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6**  
**San Lorenzo, Guimaras**  
**Invitation to Bid No. R6-CSRIPD-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN FIGURES	TOTAL
		<b>D. DAM AREA</b>				
15	SECTION XXIII	Road (Crest Surfacing)	251.28	cu.m		
		a.) Sand Bedding			P _____	P _____
		b.) Gravel Surfacing	502.55	cu.m.	P _____	P _____
		<b>SUB-TOTAL D</b>				
		<b>E. SPILLWAY</b>				
16	SECTION IV	Excavation and Foundation preparation	86,359.42	cu.m.		
		a) Common			P _____	P _____
		b) Rock	34,697.28	cu.m.	P _____	P _____
17	SECTION IV-A	Overhaul (Waste Disposal), AHD = 1.50 kms.	121,056.70	cu.m.	P _____	P _____
18	SECTION XXI	Filling and Backfilling	19,747.71	cu.m.	P _____	P _____
19	SECTION VII	Concrete Structures	8,584.84	cu.m.		
		a) Class "A", 211 kg/cm <sup>2</sup>			P _____	P _____
20	SECTION VIII	Reinforcing Steel Bars, all sizes	396,202.34	kgs.		
		a) Grade 60			P _____	P _____

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in strict accordance with the terms and conditions of these Bid Documents.

Name of Firm: \_\_\_\_\_

\_\_\_\_\_  
Name in Print & Signature of Bidder

NIA Bid Form

**BILL OF QUANTITIES AND BID PRICES****SMALL RESERVOIR IRRIGATION PROJECT****Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6****San Lorenzo, Guimaras****Invitation to Bid No. R6-CSRID-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN FIGURES	TOTAL
		<b>E. SPILLWAY</b>				
21	SECTION IX	Concrete Joint and Joint Materials				
		a.) PVC Waterstop (23 cm Dumbell Type)	1,794.00	l.m	P	P
		b.) Joint Filler ( Bituminous Type)	426.00	sq.m.	P	P
		c.) Joint Sealant	359.00	lit.	P	P
22	SECTION XI	Filter Drain ( Sand & Gravel)	828.92	cu.m.	P	P
23	SECTION XII	Rubble Masonry	1,914.24	cu.m.	P	P
24	SECTION XIV	Anchor Bars (25 mm Ø x 1.50 m Deformed Bars)	2,150.00	ln.m	P	P
25	SECTION XVI	Miscellaneous Metal Works & Materials				
		a.) Dowel Bars (20 mm Ø x 0.80 m Plain Bars)	4,493.58	kgs.	P	P
		b.) PVC Pipes (25 mm Ø x 0.50 m PVC Pipes)	680.50	l.m	P	P
		c.) 50mm Ø G.I. Pipe Railings (Schedule 40)	174.00	l.m	P	P
		d.) Ladder Rung (25mm Ø Steel Bar)	100.20	kgs.	P	P
		e.) Perforated PVC Pipe (10 cm Ø PVC Perforated Pipes)	3,343.50	l.m	P	P
		f.) PVC Drain Pipes (5 cm Ø PVC Pipes)	446.30	l.m	P	P
26	SECTION V	Gravel Bedding	509.25	cu.m.	P	P
27	SECTION X	Boulder Riprap	690.24	cu.m.	P	P
		<b>SUB-TOTAL E</b>				

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in strict accordance with the terms and conditions of these Bid Documents.

Name of Firm: \_\_\_\_\_

Name in Print &amp; Signature of Bidder \_\_\_\_\_

NIA Bid Form

**BILL OF QUANTITIES AND BID PRICES****SMALL RESERVOIR IRRIGATION PROJECT****Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6****San Lorenzo, Guimaras****Invitation to Bid No. R6-CSRID-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN	TOTAL
		<b>F. Outlet Works</b>				
28	SECTION IV	Excavation and Foundation preparation a) Common	69,309.70	cu.m.	P	P
		b) Rock	6,769.19	cu.m.	P	P
29	SECTION IV-A	Overhaul (Waste Disposal), AHD = 1.50 kms.	76,078.89	cu.m.	P	P
30	SECTION XXI	Filling and Backfilling	4,766.21	cu.m.	P	P
31	SECTION VII	Concrete Structures a) Class "A", 211 kg/cm <sup>2</sup>	1,802.37	cu.m.	P	P
		b) Class "B", 170 kg/cm <sup>2</sup>	5.96	cu.m.	P	P
32	SECTION VIII	Reinforcing Steel Bars, all sizes a) Grade 60	325,557.88	kgs.	P	P
33	SECTION IX	Concrete Joint and Joint Materials a.) PVC Waterstop (23 cm Dumbell Type)	645.00	l.m	P	P
		b.) Joint Filler ( Bituminous Type)	280.00	sq.m.	P	P
		c.) Joint Sealant	380.00	lit.	P	P
34	SECTION XVI	Miscellaneous Metal Works & Materials a.) Ladder Rung (25mm Ø Steel Bar)	343.71	kgs.	P	P
		b.) Intake Trash Racks ( Size 300cm x 310cm)	2.00	assy	P	P
		c.) Trash Racks - Intake Tower ( Size 110 cm x 270cm)	4.00	assy	P	P
		d.) Dowel Bars ( 16 mm Ø x 1.0 m Plain Bars)	520.00	kgs.	P	P

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in

Name of Firm: \_\_\_\_\_

\_\_\_\_\_  
Name in Print & Signature of Bidder

**BILL OF QUANTITIES AND BID PRICES**  
**SMALL RESERVOIR IRRIGATION PROJECT**  
**Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6**  
**San Lorenzo, Guimaras**  
**Invitation to Bid No. R6-CSRIDP-C-36**

NO.	SECTION	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE IN WORDS & IN	TOTAL
		<b>F. Outlet Works</b>				
35	SECTION XVIII	e) Fabrication, Supply, Delivery and Installation of Steel Pipe, Wye, Elbow, Reducer Pipe, Flanges and Steel Plate and other accessories to complete the works including None Destructive Test (NDT)	1.00	Lump Sum	P _____	P _____
36	SECTION XVII	Gate Valve and Butterfly Valve and Dresser Coupling				
		a.) 900 mm Ø Gate Valve Rising Stem with By - Pass Valve	2.00	Assy.	P _____	P _____
		b.) 900 mm Ø Butterfly Valve	1.00	Assy.	P _____	P _____
		c.) Dresser Coupling	1.00	Assy.	P _____	P _____
37	SECTION XVI	Thrust Block	1.00	Lump Sum	P _____	P _____
38		Emergency Outlet Control House	1.00	Lump Sum	P _____	P _____
39		Valve House	1.00	Lump Sum	P _____	P _____
40	SECTION XXIV	Stop Logs	1.00	Lump Sum	P _____	P _____
		<b>SUB-TOTAL F</b>				
		<b>G. Electrical Works</b>				
41	SECTION XIX	a) Electrical Posts including Transmission Line & other Misc. materials to complete the works	1.00	Lump Sum	P _____	P _____
		b) Street Lights including wiring & other Misc. materials to complete the works	1.00	Lump Sum	P _____	P _____
		<b>SUB-TOTAL G</b>				
42	SECTION XXIII	<b>H. CONSTRUCTION SAFETY AND HEALTH</b>				
		Safety and Health	1.00	Lump Sum	P _____	P _____
		<b>SUB-TOTAL H</b>				
		<b>(Sub-Total A+B+C+D+E+F+G+H)</b> <b>TOTAL AMOUNT OF BID</b> <b>In Words and Figures</b>				

The undersigned bidder hereby certifies that he has fully informed himself of all conditions, local and otherwise affecting the carrying out of the Contract Works and that his bid has been prepared in strict accordance with the terms and conditions of these Bid Documents.





**MINUTES OF PRE-BIDDING CONFERENCE**

for the

**Construction of Cabano Earthfill Dam and Its Appurtenant Structures in  
Region 6 under Small Reservoir Irrigation Project  
Invitation to Bid No. R6-CSRIPD-C-36  
October 13, 2021; 10:00 AM**

**I. ATTENDANCE**

**I.1. Present:**

AILYNE C. AGTUCA-SELDA	-	Vice-Chairperson, BAC-A
LYDIA S. ESQUERRA	-	Member, BAC-A
MARTY P. CACHAPERO	-	Member, BAC-A
RORY F. AVANCE	-	Provisional Member
ROEL L. VEGIGA	-	Head, TWG
LLOYD ALLAIN A. CUDAL	-	Member, TWG
RANDY C. ALIPIS	-	Member, TWG
DAN ANTHONY C. RUBAS	-	Member, TWG
LUCY GRACE B. IMPROGO	-	Member, TWG
ELAINE P. VILLANUEVA	-	Head, Secretariat
FAE ANGELINE G. DATU	-	Alternate Head
MARCELINO LIM	-	Member, Secretariat
ZOSIMO R. BAIRA	-	Member, Secretariat
GERARD E. GUZMAN	-	Member, Secretariat
JAASIEL ANNE T. TANIEGRA	-	Member, Secretariat
PAOLO L. ROXAS	-	Member, Secretariat
MARTIN IAN P. MARIANO	-	Support Staff, Secretariat
JENIFER JANE G. ALALAY	-	Support Staff, Secretariat
ERIC S. MAURICIO	-	Support Staff, Secretariat

**I.2 Observer/s:**

AIDA VILLANIA	-	COA, Representative
PEPITO L. PADILLA	-	IAS, Representative

**I.3 PROSPECTIVE BIDDERS**

<b>PROSPECTIVE BIDDERS</b>	<b>REPRESENTATIVE/S</b>
1. YRJ ENGINEERING SERVICES	IGI VILLACAMPA
2. SILVER DRAGON CONSTRUCTION LUMBER & GLASS SUPPLY	MICHELLE MABELLE PULGAN
3. FFJJ CONSTRUCTION	JOEY BUSIL
4. PHESCO	DOMIL DON PACLEB COLLEN SALES

5. RONMARK CONSTRUCTION	DANIEL LARITA
6. LORENZO CONSTRUCTION	ANNALIZA GARCIA
7. F. GURREA CONSTRUCTION INC.	MAE LACOSTA
8. PERCC CONSTRUCTION	BRAN LI
9. HEXAMINDZ	JOYCE EUGENIO

## I. CALL TO ORDER

Having a quorum, the BAC-A Meeting for the above-mentioned proposed contract was called to order at 10:00 A.M. with the BAC-A Vice-Chairperson, Atty. Ailyne C. Agtuca-Selda, presiding.

## II. BUSINESS MATTERS

The Vice-Chairperson welcomed and acknowledged the presence of the BAC-A Members, the TWG, and the Secretariat and informed the body that the meeting was regarding the Pre-bidding Conference for the Construction of Cabano Earthfill Dam and its Appurtenant Structures in Region 6 under Small Reservoir Irrigation Project Invitation to Bid No. R6-CSRIDP-C-36. She then instructed the Secretariat to discuss the agenda of the meeting.

- The Chairperson then instructed the BAC-A Secretariat for the presentation of the background of the project and all the requirements to be submitted by the bidders.
- Ms. Elaine P. Villanueva informed that Mr. Zosimo R. Baira of the BAC-A Secretariat will present the slides of the requirements to be submitted by the bidder while Engr. Rory F. Avance presented the background of the project.
- Mr. Baira, presented the General Information, and background of the project stating that the Approved Budget for the Contract (ABC) is PhP 545,398,663.78 and the contract duration is 1,095 Calendar Days. He also clarified all the documentary requirements to be submitted by the bidders i.e., Eligibility/Technical Documents (Envelope 1) and the Financial Documents (Envelope 2). He likewise reminded the bidders to make sure to disclose the all-On-going Contracts in the government and private sectors and to use the NIA prescribed format for all the documents to be submitted and to completely fill-up the required information to avoid being disqualified.
- After the presentation, the Vice-Chairperson asked the prospective bidders one by one for questions and/or clarifications regarding the proposed contract.

### 1. SILVER DRAGON CONSTRUCTION LUMBER & GLASS SUPPLY

Q1 The representative asked if in the case of Joint Venture, the Net Financial Contracting Capacity (NFCC) to be submitted should be the combination of both companies.

A1 The Vice-Chairman answered negative, and clarified that the lead company that submitted their Statement of All On-going contracts should be the one to submit their NFCC.

### 2. FFJJ CONSTRUCTION

No question.

3. PHESCO

Q2 The representative asked whether 30% of the major equipment as shown with asterisk should be owned by the contractor.

A2 The Vice-Chairperson answered in the affirmative that 30% of the of the major equipment marked with asterisk should be owned by the contractor.

4. RONMARK CONSTRUCTION

No question.

5. F. GURREA CONSTRUCTION INC

No question.

6. PERCC CONSTRUCTION

Q3 The representative expressed their concern regarding the Contract amount as against the volume of works asking if there is a chance for review.

A3 Engr. Roel Vegiga, TWG Head, asked what item they are particularly concerned about.

Q4 The representative stated that based on their evaluation, all items, particularly the embankment, seem to be below the prevailing market price.

A4 Engr. Vegiga informed that the quantities are from the Regional Office and the costing was based on both the quantities and drawing submitted.

Q5 The representative clarified if in the case of Joint Venture, the company that will submit the Statement of All On-going Contracts will also be the one to submit the NFCC.

A5 The Vice-Chairman answered positive.

7. HEXAMINDZ CONSTRUCTION

Q6 The representative asked if there is a Site Inspection Schedule.

A6 Engr. Rory Avance, Provisional BAC-A Member, informed that prospective bidders may schedule a Site Inspection anytime and referred to the slide containing the contact details of the designated contact person.

Q7 The representative then followed up a question regarding the requirement for site inspection such as swab testing.

A7 Engr. Avance informed that there are no other requirements needed for NIA, but the Regional Office will coordinate with the City of Guimaras regarding the Site Inspection and Covid 19 related protocols.

The Vice-Chairperson suggested that prospective bidders coordinate with the designated contact person prior the visit.

Q8 The representative queried regarding the number of copies of bid to be submitted.

A8 The Vice-Chairperson stated that there are 3 copies required – original, copy 1, and copy 2.

Q9 The representative asked if attachments are required for the Statement of All On-going Contracts.

A9 The Vice-Chairperson clarified that no attachments are required for the Statement of All On-going Contracts.

Q10 The representative also asked regarding the proper procedures of marking and sealing of envelopes.

A10 The Vice-Chairperson informed that three (3) sets of two (2) envelope system containing the Technical and Financial Bids.

Q11 The representative queried if they need to appear personally in order to buy the Bidding Documents and if NIA is accepting payment through Bank Transfer.

A11 The Vice-Chairman confirmed that they need to appear personally in order to get the copy of their purchased Bidding Documents and Drawings. As for the bank transfer, she instructed the Secretariat to coordinate with the Finance and Management Department if the payment through bank transfer is possible.

#### 8. YRJ ENGINEERING SERVICES

Q12 The representative asked where they can purchase the bidding Documents.

A12 The Vice-Chairperson informed that they may purchase the Bidding Documents at the BAC-A Secretariat Office, 6<sup>th</sup> Flr, Building A, National Irrigation Administration.

- Having no more questions the Vice-Chairperson likewise informed that the bidders can send written clarifications on the matter on or before October 16, 2021 and bid bulletins, if any, will be posted on October 19, 2021.
- The Vice-Chairperson then reminded the bidders to fill-up the required documents such as the Government-Issued ID in the Omnibus Sworn Statement and Bid Securing Declaration. She also noted that all of the Major Equipment listed in the minimum requirement must be in A1 condition and at least 30% must be owned by the Bidder. No replacement shall be made throughout the contract duration without prior written approval of NIA. She added that for the Key Personnel, once the Contract has been awarded, no replacement shall be allowed by NIA until after fifty percent (50%) of the project has been completed, except for justifiable reason.

#### IV. ADJOURNMENT

Having no other matters for discussion, the pre-bidding conference ended at 11:25 A.M.

Prepared by:

  
**GERARD E. GUZMAN**  
Member, BAC-A Secretariat

Noted:

  
**ATTY. AILYNE C. AGTUCA-SELDA**  
Vice-Chairman, BAC-A