SUPPLEMENTAL NOTICE NO. 1

to the

BID DOCUMENTS

for the

Construction of Bayuyan Earthfill Dam and its Appurtenant Structures in Region VI under Small Reservoir Irrigation Project (SRIP)

ITB No. R6-BSRIPD-C-34R2

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

1. Delete the cover page of the Bid Documents and substitute the herein attached replacement sheet (Attachment Sheet No. 1)

2. Delete Section III. Bid Data Sheet of the Bidding Documents and substitute the herein attached replacement sheets (Attachment Sheet Nos. 2 to 5);

3. Delete Section XVIII. Steel Pipes of the Technical Specifications and substitute the herein attached replacement sheets (Attachment Sheet Nos. 6 to 16); and

4. The attached "Minutes of Pre-bidding Conference" shall form part of the Bid Documents (Attachment Sheets No. 17 to 20);

BENNY D. ANTIPORDA
BAC-A Chairperson

Republic of the Philippines
NATIONAL IRRIGATION ADMINISTRATION
EDSA, Diliman, Quezon City

BID DOCUMENTS

(Section I, II, III, IV, V, V-A, VIII, IX and IX-A)

CONSTRUCTION OF BAYUYAN EARTHFILL DAM AND ITS APPURTENANT STRUCTURES IN REGION 6 UNDER SMALL RESERVOIR IRRIGATION PROJECT

INVITATION TO BID NO. R6-BSRIPD-C-34R2

Jaro, Iloilo City

CIVIL WORKS CONTRACT
(National Competitive Bidding)
(March 2022)

Bid Data Sheet

ITB Clause	
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: 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 "**AA**" and Registration Particulars with respective size range of **Large "A"** in Dam, Reservoir or Tunneling, and/or Irrigation Facilities and Flood Control.
7.1	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. ***NOTE:*** *The contractor shall undertake not less than 50% of the contracted works with its own resources.*
10.1	Certificate of Site Inspection signed by the authorized personnel/official
10.3	No further instructions.
10.4	The key personnel must meet the required minimum years of experience set below:

Key Personnel		Relevant Experience
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
	1 – Civil Engineer	– A Licensed Civil Engineer (PRC License) with at least 3 years of experience in Geotechnical works;
	1 – Geologist	– A Licensed Geologist (PRC License) with at least three (3) years experience in Dam Embankment foundation treatment;
	1 – Safety/Health Officer	– With Training Certificate duly accredited by DOLE and with at least two (2) years experience as Safety Officer;
	1 – Geodetic Engineer	– with at least two (2) years experience as Geodetic Engineer (PRC License);
	3 – Foreman:	
	2 – for Earthworks	– with at least three (3) years experience as Foreman for Earthworks;
	1 – for Concreting	– with at least three (3) years experience as Foreman for concreting and/or other related works.
	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.	

10.5 The minimum major equipment requirements are the following:

	Type of Equipment	Quantity	
1.	Trailer Truck	1	unit
2.	Dozer w/ Ripper, 320 HP*	3	units
3.	Dozer, 180 HP*	3	units
4.	Wheel Loader, 1.53 cu.m. bucket capacity*	3	units
5.	Self-Propelled Vibratory Tamping Foot Roller, 10 Tonner capacity*	1	unit
6.	Self-Propelled Vibratory Smooth Drum Roller, 10 Tonner capacity*	1	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, 5 cu.m./hr *	1	unit
		11.	Hydraulic Crane, 30 Tons capacity*	1	unit
		12.	Dump Truck, 12.00 cu.m. capacity*	10	units
		13.	Transit Mixer, 4.0 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 Bagger Mixer	4	units
		17.	Welding Machine, 300 Amp	4	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 (Agitator, Central Mixer, Air Compressor)	5	units
		24.	Grout Mixer	6	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, 20-35 HP*	1	unit

* 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.

12	No further instructions.
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than **PhP***7,166,416.43* two percent (2%) of ABC),if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than **PhP** *17,916,041.07* five percent (5%) of ABC) if bid security is in Surety Bond.
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	Only Tax Returns filed and taxes paid through the BIR Electronic Filing Payment System (EFPS) shall be accepted. Note: The Latest Income and Business tax returns are those within the last six months preceding the date of Bid submission.
21	Additional contract documents relevant to the Project required: a) Construction schedule in the form of PERT/CPM, Bar/Gantt Chart and S–curve; b) Manpower schedule; c) Construction methods and procedures; d) Equipment utilization schedule; e) Construction safety and health program approved by the Department of Labor and Employment (DOLE); f) Contractor's Environmental Management Plan (CEMP); and g) Organizational Chart.

SECTION XVIII

STEEL PIPES

1801 SCOPE AND PURPOSE

This specification defines the requirements for the Supply, Fabrication, Installation and Commissioning of steel pipe including welding, inspection, Nondestructive Testing (NDT), Hydrostatic Test and Painting.

If a deviation from these specifications or a substitution of material is sought, the Contractor shall submit written request to NIA along with necessary supporting documents including design, fabrication drawings, test results, etc., allowing reasonable time for evaluation without disruption of the construction schedule. It shall be the Contractor's responsibility to satisfy NIA that the proposed deviation or substitution will in no way be detrimental to the quality of the works intended in the bid package. NIA may ask for additional information & testing/retesting which it may consider necessary, which the Contractor shall carry out at no extra time and cost to NIA.

The purpose of this standard is to establish a common quality level for the fabrication and installation of metallic piping systems and for the welding of all other pressure containing equipment.

1802 CODES AND STANDARDS

ASME (American Society of Mechanical Engineers)

ASME V	Boiler and Pressure Vessel Code section VIII, Nondestructive Examination
ASME VIII	Boiler and Pressure Vessel Code section VIII, Rules for Construction of Pressure Vessels
ASME IX	Boiler and Pressure Vessel Code section IX, Welding, Brazing, and Fusing Qualifications

ASTM (American Society for Testing and Materials)

ASTM E8	Standard Test Method for Tension Testing of Metallic Materials

AWWA (American Water Works Association)

AWWA C111	Rubber Gasket Joints for Ductile-Iron Pressure Pipe and Fittings
AWWA C207	Steel Pipe Flanges for Waterworks Services, Sizes 100mm through 3600mm

AWS (American Welding Society)

AWS D1.1	Structural Welding Code – Steel
AWS 5.1	Specification for Carbon Steel Electrodes for Shielded Metal ArcWelding.
AWS 5.5	Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding

SSPC (Society for Protective Coatings, formerly Steel Structures Painting Council)

SSPC-VIS 1	Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning
SSPC-SP 3	Power Tool Cleaning
SSPC-SP 6	Joint Surface Preparation Standard, Commercial Blast Cleaning
SSPC-Paint 16	Coal Tar Epoxy Polyamide Black (or Dark Red) Coating

1803 GENERAL REQUIREMENTS

The Fabrication, Erection and Inspection of piping systems shall be in accordance with this document, AWWA, ASME V, ASME VIII, ASME IX and AWS D1.1.

1804 MATERIALS

1. Materials to be used shall be in accordance with the approved Fabrication Drawings.
2. Materials shall be new, free from defects and laminations.
3. The Contractor shall submit the Materials Mill Certificate upon procuring of the raw materials.
4. The heat number of the materials shall be intact and readable on the plates for verification by the NIA Inspector.
5. The materials shall be subject for tensile test in accordance with the ASTM A36 & ASTM A53 requirements.

1805 FABRICATION, ASSEMBLY AND ERECTION

A. General

1. The Contractor shall submit fabrication drawings, method of fabrication and erection, NDT methodology, and Inspection and Test Plan (ITP) to NIA upon issuance of Notice to Proceed (NTP) for evaluation and approval such that allowing reasonable time for evaluation without disruption of the construction schedule. The Contractor should also notify NIA in advance prior to the procurement of raw materials needed for the fabrication. The materials to be procured should be new and free from laminations and has a heat number engraved/marked as stated on its Material's Mill Certificate and to be verified by NIA Inspectors.

2. Fabrication and Nondestructive tests should be done in accordance with this standard, AWS D1.1 and ASME VIII standard code such that:

3. When plates are shaped by oxygen or arc cutting, the edges to be welded shall be uniform and smooth and shall be freed of all loose scale and slag accumulations before welding. Plates that are being welded shall be fitted, aligned, and retained in position during the welding operation. Bars, jacks, clamps, tack welds, or other appropriate means may be used to hold the edges of parts in alignment. Tack welds used to secure alignment shall either be removed completely when they have served their purpose, or their stopping and starting ends shall be properly prepared by grinding or other suitable means so that they may be satisfactorily incorporated into the final weld. Tack welds, whether removed or left in place, shall be made using a fillet weld or butt weld procedure qualified in accordance with ASME IX. Tack welds to be left in place shall be made by welders qualified in accordance with ASME IX, and shall be examined visually for defects, and if found to be defective shall be removed.

4. Pipes and reducers shall be rolled or pressed to proper curvature provided that the difference between the maximum and minimum inside diameters at any cross section shall not exceed 1% of the nominal diameter at the cross section under consideration. The diameters may be measured on the inside or outside of the pipe.

5. All welding works shall be made by welders qualified either by TESDA NC level 2 or Welders Qualification Test (WQT) certificate in accordance with Clause 2406 under paragraph A.3 and Clause 2406 under paragraph C., Qualification of Welder and Welding Operations.

6. The surfaces to be welded shall be clean and free of scale, rust, oil, grease, slag, detrimental oxides, and other deleterious foreign material. When weld metal is to be deposited over a previously welded surface, all slag shall be removed by

a roughing tool, chisel, chipping hammer, or other suitable means so as to prevent inclusion of impurities in the weld metal.

7. Where the butt weld ends of piping items are to be joined, accurate alignment shall be made within commercial tolerances (within 2.5mm or 1/4t) or as stated on ASME VIII whichever is applicable.

8. A reduction in thickness due to the welding process is acceptable provided that the reduction in thickness shall not exceed 1 mm or 10% of the nominal thickness of the adjoining surface, whichever is less.

9. All flanges shall be machined to proper sizes as indicated on the approved fabrication drawings. Bolt holes should be drilled with corresponding clearances between the studs as per AWWA C207.

10. Rubber gaskets shall conform to the requirements specified in AWWA C111.

B. Assembly and Erection

1. Finished pipes should be stored on a covered/enclosed yard protected fromdirect sunlight and rains.

2. Temporary welded supportshall be installed and should be removed after assembly.

3. The assembly of misaligned pipework shall not be corrected by local heating, quenching or applying excessive force.

4. The contractor is responsible for ensuring joint integrity i.e. correct nuts, bolts, gaskets used and properly torqued bolt.

5. All pipeworks should be properly identified and marked together with the material identification (heat number) enabling the spool to be traced and identified to the relevant drawings etc.

6. Pipes shall be handled carefully during transport from fabrication site to the worksite, both in loading and unloading from trucks by cranes or other means. Props/spiders shall be fixed to pipes during transit to avoid undue sagging and distortion, till point of stacking. Pipes that have more sag and prone to distortion shall always have props/spiders till final erection.

7. Hydrotest should be done either in parts or assembly and shall be in accordance with this Standard in Clause 2408, Hydrostatic Testing.

1806 WELDING WORKS

A. GENERAL

1. All welding works shall be in accordance with the Welding Procedure Specifications (WPS). The Contractor shall submit the WPS to NIA before commencement of fabrication works, allowing reasonable time for evaluation without disruption of the construction schedule.

2. All welds, including external attachment welds, shall be made in accordance with this standard and ASME VIII in that order of precedence.

3. All welders shall be qualified in accordance with the ASME IX or AWS D1.1 standard and/or as stated in Clause 2406, under paragraph C, Qualification of Welder and Welding Operations of this document.

4. Semi-automatic or fully automatic welds shall be made using a multi-pass welding technique and/or as stated in the qualified welding procedure.

5. It is recommended that no welding be done when surfaces are wet, or during periods of high wind, unless the welders and the work are properly protected.

6. The root gap of the joint shall be adequate to ensure full penetration and sound root bead in accordance with the welding procedure. If required back welding after chipping and grinding can be carried out if safe to do so.

7. Tack welds shall be made by qualified welders only. There shall be a sufficient number of tack welds to maintain alignment during welding and if these tacks are to be incorporated in the finished weld they shall be: (1) Full penetration (2) Below the finished weld surface (3) Twice the wall thickness in length (Minimum) (4) Tapered and feather edged each end (5) Other acceptable methods would be to bullet or bridge tack.

8. If Nondestructive Test (NDT) indicates cracks in more than one-fourths cumulative circumferential length of any weld, then the entire weld shall be rejected, removed and remade, less than one-fourths may be repaired and retested. Note, cracks are not acceptable in any completed weld as per ASME VIII. Weld repair works shall be carried out by an accepted Repair Weld Procedure. If any welder produces a weld with defects outside the code limits two additional welds shall be fully examined. If more defective welds by the same welder are found the extent of further NDE will be at the discretion of the Inspector.

9. All slags shall be removed from welds internally and externally (in a multi-pass weld).

10. All welds shall be marked with the welders' identification number using marker pencils or paints.
11. NIA Inspectors have the authority to hold and stop the welding works in case where proper welding procedure was not carried out (i.e. welders' qualification, weld preparation, improper material selection, welding techniques, electrode storage etc.).

B. WELDING PROCEDURES

The Text of ASME IX latest issue applies, except where amended by the following text or in Engineering Design.

1. Welding procedure and procedure qualification test results shall be submitted to NIA for approval before commencement of fabrication together with a matrix showing where these procedures are to be used, i.e. material, process, wall thickness and diameter range etc.

2. Each Weld Procedure Qualification Record (WPQR) shall be certified by a recognized independent inspectorate.

C. QUALIFICATION OF WELDER AND WELDING OPERATORS

1. The performance qualification tests are intended to determine the ability of welders to produce sound welds to satisfy the requirements of the various Specifications, Standards and Codes of Practice. The tests have been designed to recognize variations in welding skills and welding techniques required for the different range of materials and welding processes that may be encountered. The requirements shall be in accordance with ASME IX and/or AWS D1.1.

2. Welders performing all pipe welding works should be a qualified welder holding a 6G or combination of 2G and 5G certification.

3. Welders' certification should be submitted by the Contractor to NIA for evaluation before commencement of fabrication works, allowing reasonable time for evaluation without disruption of the fabrication schedule.

4. Any Welders qualification tests shall be witnessed by the NIA Inspector or an Independent Inspection Authority.

D. WELDING PROCESSES

Welds shall be made either by the shielded metal arc (SMAW), gas tungsten arc (GTAW), gas metal arc (GMAW) welding processes. All other welding processes, including submerged arc (SAW), electroslag, etc. shall require prior approval of the NIA.

1. All welding parameters shall be substantially the same as used in the Welding Procedure Qualification and as stated on the Welding Procedure Specification.

2. All welding processes shall be protected from wind, rain and other harmful weather conditions that can affect the quality of the welds.

E. WELDING CONSUMABLES

1. All welding consumables shall be used within the limits recommended by their manufacturers. The welding parameters shall be subsequently the same as used in the procedure qualification.

2. Electrodes, filler wires, and fluxes shall be kept clean, dry and properly stored according to manufacturer's recommendations. No damp, greasy, or oxidised electrodes, filler wires or fluxes shall be used.

3. All electrodes having low-hydrogen covering s conforming to AWS 5.1 and AWS 5.5 shall be stored and baked conforming to AWS D1.1. Electrodes shall be rebaked no more than once.

4. Filler metals for welds shall meet the same minimum requirements as those imposed on the base metal.

5. Since various national specifications for welding consumables are not freely interchangeable, equivalence to AWS specifications shall be indicated. The basis of equivalence shall be subjected to approval by NIA.

1807 NON-DESTRUCTIVE EXAMINATION

A. GENERAL

1. Surface to be tested/examined should be properly prepared. Slags, spatters, temporary attachments, rust, paints and other material which will mask and give false indication to the test specimen.

2. No NDT examination to be carried out when exposed to harmful weather conditions that can affect the test result, and also can compromise the safety of the person performing the examination and/or the NIA Inspector.

3. NDT method markings should be visible near the test location. This includes rejection, length of indications, locator limit markings, and name of person conducted the tests.

B. VISUAL EXAMINATION

1. All fabricated pipework shall be 100% visually inspected for any imperfections, cracks, surface defects, misalignment or bad workmanship. If the inspector has any doubts regarding the acceptability of the finished item, then for any surface defect a Magnetic Particle (MP) or Liquid Penetrant Test (PT) may be performed in addition to any other test specified.

2. A visual examination clearance should be submitted by the Contractor to NIA before commencement of RT/UT.

C. RADIOGRAPHIC TESTING (RT)

1. Radiographic examination shall be performed using Gamma radiography for all buttweld joints in the pipework.

2. The radiographic techniques shall be in accordance with ASME V.

3. Image quality indicators of the wire type to ASME V shall be used.

4. Film density shall be 2.0 - 3.0 through the thickest portion of the weld.

5. Examination techniques shall be in accordance with ASME V.

6. Interpretation and acceptance criteria of radiographic results shall be in accordance with ASME VIII.

D. ULTRASONIC TESTING

1. The methods and acceptance criteria for ultrasonic examination of welds shall be in accordance with ASME VIII.

2. Ultrasonic examination and Liquid Penetrant examination shall be used in lieu of RT in special cases but not limited to the Contractors convenience.

E. MAGNETIC PARTICLE INSPECTION

1. Magnetic particle inspection shall be performed in accordance with ASME V.

F. LIQUID PENETRANT TESTING

1. Liquid Penetrant Examination shall be performed in accordance with the ASME V.

G. EXAMINATION PERSONEL

1. Only personnel certified in accordance with ASNT recommended practice SNT-TC-1A, shall be allowed to undertake the examinations. Other equivalent qualifications shall be subject to approval by NIA.

1808 HYDROSTATIC TESTING

1. All hydro-testing of pipework and equipment shall be in accordance with ASME VIII.

2. All hydro testing or service testing shall be witnessed by NIA inspectors.

3. The Hydrostatic pressure test procedure, giving details of test fluid, minimum temperature, test pressure recording and control method and holding time, shall be submitted to NIA for review, allowing reasonable time for evaluation without disruption of the hydrostatic test schedule.

4. Subsequent to hydro testing, pipe spools that are to be stored prior to installation shall have the ends supported with temporary spiders to minimize distortion and deformation. Flange faces shall be coated with a suitable corrosion preventative.

5. Hydro-testing shall be only carried out after completion of any specified NDT.

6. Test heads may be ellipsoidal, standard dished as per ASME VIII or hemispherical heads.

7. Welds shall not be painted or insulated prior to hydro-testing or service testing.

1809 PAINTING WORKS

A. GENERAL

1. Fabricated pipes and accessories shall be painted before being dispatched to erection site leaving enough unpainted areas for site joint connection welding. Paint shall be applied only to dry freshly cleaned surfaces, free from dust, rust, seals, grease or other substances which might affect adhesion or durability of coating. It shall not be applied to surfaces during rainy or misty weather in which case the work shall have be maintained until it got dried, and when the humidity is greater than 85%

2. Painting may be done by brushing or spraying unless a particular method of application is specially directed. Finished painting shall be smooth and free from runs, sags or blisters.

3. Storage, thinning, mixing and handling of paint materials shall be in accordance with the Paint Manufacturer's recommendation. All paint

materials and solvents shall be supplied in the paint manufacturer's original containers, durably and legibly marked with clear description of the contents. This shall include the specification number, the color reference number, the method of application for which it is intended, the batch number, date of manufacture, the shelf life expiry date and the paint manufacturer's name or recognized trademark.

4. Different brands or different make of paints shall not be inter-mixed. Similarly, mixing of different brands or generic types of paint material is not permitted. The Manufacturer's pot-life requirements shall be strictly and diligently followed. The same shall be said for the minimum and maximum over-coating time as recommended by paint manufacturer.

B. SURFACE PREPARATION

1. The Contractor shall submit a request for Inspection to NIA prior for commencement of blasting, allowing reasonable time for NIA inspectors' deployment without disruption of the fabrication schedule.

2. Surfaces to be painted or coated shall be completely dry and free from dust, burrs, weld spatter, flux, rust, loose scale, dirt, dust, grease, oil and other foreign matter, deleterious and harmful to paint. After preparation of substrate surface, any grit or dust shall be removed and a layer of appropriate primer applied before any corrosion or recontamination occurs within four (4) hours after blasting. Surface preparation shall be subjected to inspection by NIA Inspectors before the primer coat is applied to ensure all traces of dust and foreign matter have been removed by brushing, blowing with dry clean compressed air or vacuum cleaning.

3. Abrasive blast cleaning shall be carried out through SSPC VIS 1to the required visual standard in accordance with SSPC SP6 or similar ISO standard. All surfaces, where accessible shall be prepared by abrasive blast cleaning to a minimum of SSPC-SP6, Commercial blast cleaning.

4. After blast cleaning, any remaining surface imperfections (e.g., sharp fins, sharp edges, weld spatter, burning slag, scabs, slivers, etc.) shall be removed. Any damage to the surface profile resulting from the removal of surface imperfections shall be corrected.

5. Any visible rust that forms on the surface of the steel after blast cleaning shall be removed by cleaning the rusted areas to meet the requirements of this standard before coating.

C. PAINT APPLICATION

1. Blast cleaned surface shall be coated with one complete application of primer as soon as practicable but in no case later than 4 hrs. of the same day.

2. No coat shall be applied until the preceding coat dries off completely.

3. Paint shall be protected from rain, condensation, and contamination until dry to the fullest extent practicable.

4. Where paint has been damaged in handling, transportation, and during erection, the repair of damaged portion of the coating shall be retouched, exposing the bare metal by the use of hand power tools as required in SSPC-SP 3 before application of paint contained in this standard.

5. Internal steel surfaces shall be painted with two coats of Coal Tar Epoxy paint in accordance with SSPC-Paint 16 with a total dry film thickness of 400microns.

6. External steel surfaces which will be embedded on concrete shall be painted with one coat of cement latex milk consisting of ten parts of Portland cement (by weight), five parts of water and one part of modified latex emulsion.

1810 INSTALLATION

The Contractor shall furnish and install the Steel Pipes as shown in the drawings and as required to provide a complete and workable installation.

1811 TESTS AND ADJUSTMENTS

After complete installation and adjustment ready for operation, Contractor shall conduct test runs for the Steel Pipe. The cost of performing the test shall be considered included in the contract unit price.

All tests shall be performed in the presence of the Engineer or its authorized representative. All defects attributed to installation works which are found during the test shall be corrected accordingly to the satisfaction of the Engineer.

1812 METHOD OF MEASUREMENT

Steel Pipe including accessories shall be included in the fixed lump sum price or lump sum bid price whichever is stated in the Bill of Quantities.

1813 BASIS OF PAYMENT

Payment for Steel Pipe measured as provided above shall be made at the contract unit price per lump sum, which price and payment shall constitute full compensation for furnishing all materials, labor, equipment, tools including all incidentals and subsidiary works necessary for the successful completion of the works described under this Section.

Republic of the Philippines
National Irrigation Administration
Central Office

NIA
RECEIVED
MAR 22 2022
DEPUTY / ADMINISTRATOR

MINUTES OF PRE-BIDDING CONFERENCE
for the
Construction Bayuyan Eartfill Dam and Its Appurtenant Structures in Region 6 under Small Reservoir Irrigation Project
Invitation to Bid No. R6-BSRIPD-C-34R2
March 14 2022; 02:00 PM
Virtual Meeting
NIA Compound, Quezon City

I. ATTENDANCE

I.1. Present:

BENNY D. ANTIPORDA	-	Chairperson, BAC-A
AILYNE C. AGTUCA-SELDA	-	Vice-Chairperson, BAC-A
REYNALDO L. BALOLOY	-	Member, BAC-A
LLOYD ALLAIN C. CUDAL	-	Member, BAC-A
RORY F. AVANCE	-	Provisional Member
MA. MINENE P. EVANGELISTA	-	Head, TWG
ARNOLD SALAZAR	-	Member TWG
LORENA B. SIOCO	-	Member, TWG
EMILIO M. DOMAGAS JR.	-	Member, TWG
VINCENT JO MARK ABRIGO	-	Member, TWG
NASTASSJA NICOLE J. FLORES	-	Member, TWG
ANGELICA C. MARTIN	-	Member, TWG
ELAINE P. VILLANUEVA	-	Head, Secretariat
FAE-ANGELI 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
MICHAEL B. BORRAS	-	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:

VINCENT CABLAYAN	-	NIA-Internal Audit Services

*Invited but unable to attend, COA, PICE, VACC, NIAEASP and PCCI

I.3

PROSPECTIVE BIDDERS	REPRESENTATIVES
1. RII BUILDERS	EZRA YEAL LARITA
2. SILVER DRAGON CONST.	MICHELLE PULGAN
3. PRIME PACIFIC MARINE & INDUSTRIAL SERVICES CORP.	JONALYN DE GUZMAN ADELMER DE DIOS JR DE GUZMAN
4. GREEN ASIA CONST.	JOHN LEGAZPI
5. PROTECH CONS. DEV'T CORP.	LEAH MARIE BUSIL JOEY BUSIL

I. CALL TO ORDER

Having a quorum, the BAC-A Meeting for the above-mentioned proposed contract was called to order at 2:05 P.M. with the BAC-A Chairperson, BENNY D. ANTIPORDA, presiding.

II. BUSINESS MATTERS

The 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 Bayuyan Earthfill Dam and its Appurtenant Structures in Region 6 under Small Reservoir Irrigation Project Invitation to Bid No. R6-BSRIPD-C-34R2. He 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.

- Engr. Avance presented the following:

  a. Map of the Municipalities
  b. Project Profile
  c. General Lay-out
  d. Site Development Plan
  e. Scope of Works
  f. Local Conditions
  g. Community Facilities and
  h. Fees for Extracting and Disposing Construction

- After the presentation, Engr. Baira, presented the General Information, and background of the project stating that the Approved Budget for the Contract (ABC) is PhP 358,320,821.39 and the contract duration is 919 Calendar Days including 246 unworkable 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 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 as well as No replacement shall be made throughout the contract duration without prior written approval of NIA. He 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.

- Upon the instruction of the Chairperson the Vice-Chairperson asked the prospective bidders one by one for questions and/or clarifications regarding the proposed contract.

1. RII BUILDERS

Q1: The representative Mr. Larita, queried as to the number of the copies of the envelops to be submitted.

A1: The Vice-chairperson answered that there should be three (3) copies of bid Documents, the original, Copy 1 and Copy 2.

2. SILVER DRAGON CONST.

-No questions.

3. PRIME PACIFIC MARINE & INDUSTRIAL SERVICES CORP.

Q1: Ms. Jonalyn de Guzman, queried if there is a need to schedule beforehand the conduct of site-inspection.

A1: The Vice-Chairperson replied in the affirmative.

Q2: The representative verified whether March 30, 2022 is the date of the Bid Opening and whether the project is exempted from the Election Ban.

A2: The Vice-Chairperson replied in the affirmative and stated that the procurement process for the project will be followed.

4. GREEN ASIA CONST.

-No questions.

5. PROTECH CONS. DEV'T CORP.

-No questions.

Having no more questions the Vice-Chairperson likewise informed that the bidders can send written clarifications on the matter on or before March 18, 2022 and bid bulletins, if any, will be posted on March 23, 2022.

In addition, the Vice Chairman instructed everyone to be mindful of the following:

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. Certificate of Site Inspection must be signed by the authorized personnel.

IV. ADJOURNMENT

Having no other matters for discussion, the pre-bidding conference ended at 2: 49 P.M.

Prepared by:

GERARD E. GUZMAN
Member, BAC-A Secretariat

Noted:

BENNY D. ANTIPORDA
Chairperson, BAC-A