PRE-BID CONFERENCE
Project No. 2019-11: Construction of Bridge Steel Pipe Crossing
May 29, 2019, 1:30 pm
GSCWD Bldg, Boardroom, General Santos City

MINUTES OF THE PROCEEDINGS

I. Attendance

BAC Members
Ferdinand S. Ferrer, MPA - Chairperson
Engr. Cornelio T. Turija, Jr. - Member
Samcelle B. Valenzuela - Member
Maritess P. Primaylon - Member
Engr. Ma. Celia N. Dandan - TWG

Bidders
Julien Isagan - L.H.E. Construction & Industrial Services, Inc.

BAC Secretariat
Gladys Faith T. Lebosada

Absent
Engr. Rogelio A. Besana, Jr. - Vice Chairperson
Francisco R. Aiolod Jr., CPA - Member
Judy Lim-Pasman - TWG
Agnes P. Tampico - Head, BAC secretariat

II. Call to Order

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

Only One (1) bidder attended the Pre-bid Conference, namely: L.H.E. Construction & Industrial Services, Inc.

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

III. Highlights of the Proceedings

A. As to the Bidding Process

BAC Member Engr. Cornelio T. Turija, Jr discussed the following points:

- The Approved Budget for the Contract (ABC) is Four Million Four Hundred Ninety Three Thousand Four Hundred Forty Eight and 47/100 Pesos Only (Php 4,493,448.47)

- It was discussed to the prospective bidder the two-envelope system and the components for each envelope. The First envelope is composed of the Class A Eligibility & Technical Documents and the second envelope is the Financial component.

- The following are the Class A Eligibility Documents:
  - PhilGEPS Certificate Registration and membership in accordance with Annex A in accordance with Section 8.5.2 of this IRR, except for foreign bidders participating in the procurement by a Philippine Foreign Service Office of Post
  - Must attach Certificate of PhilGEPS Registration – Platinum Membership and its Annex A, as proof of submission of Eligibility Documents
  - Bidders were reminded that if any requirement in the Annex A is found expired; they can attach their proof of renewal process (e.g. receipts).
Statement of all its ongoing and completed government and private projects within the period stated in the BDS (2 calendar year) including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid.

Statement identifying the bidder’s Single Largest Completed Contract (SLCC) or similar to the contract to bid (2 YEARS TRACK RECORD OF CIVIL, STRUCTURAL STEEL WORKS, PILE DRIVING), except under conditions provided for in Section 23.4.1.3 and 23.4.2.4 of the IRR, within the relevant period as provided in the Bidding Documents. The statement shall include the following: a) name of contract, b) date of contract, c) contract duration, d) owner’s name and address, e) nature of work f) contractor’s role (whether sole contractor, sub-contractor or partner in JV and percentage of participation, g) total contract value at the time of award h) Date of Completion or estimated completion time i) total contract value at completion, if applicable, j) percentages of planned and actual accomplishments, if applicable and k) and value of outstanding works, if applicable.

Philippine Contractors Accreditation Board (PCAB) License

NFCC Computation in accordance with ITB Clause 5.5

Here are the composition of the Technical Documents:

- The Bid Security shall be limited to Bid Securing Declaration or at least one (1) other form in accordance with the following amount;
- Cash (2% of ABC) = 89,868.97
- Cashier’s / Manager’s Check issued by a Universal or Commercial Bank (2% of ABC) = P 89,868.97
- Bank Draft / guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank (2% of ABC) = P 89,868.97
- Surety Bond (5% of ABC) = P 224,672.42 valid until October 11, 2019 and shall be accompanied by a certification by the Insurance Commission that the surety or insurance company is authorized to issue such instruments. Only those bid securities procured from commercial and universal banks shall be allowed.

Project Requirements, include:

a) Organizational Chart

b) List of contractors personnel

<table>
<thead>
<tr>
<th>Key Personnel</th>
<th>General Experience</th>
<th>Relevant Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Engineer</td>
<td>Civil Works</td>
<td>Civil Works</td>
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<tr>
<td>Foreman</td>
<td></td>
<td></td>
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<tr>
<td>Mason</td>
<td></td>
<td></td>
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<tr>
<td>Steel Man</td>
<td></td>
<td></td>
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<tr>
<td>Carpenter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welder</td>
<td>TESDA equivalent passers with certificate provided</td>
<td></td>
</tr>
<tr>
<td>Pipeliner</td>
<td></td>
<td></td>
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<tr>
<td>Laborer</td>
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</tr>
</tbody>
</table>

c) List of contractors of equipment:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tadano Crane</td>
</tr>
<tr>
<td>1</td>
<td>Backhoe</td>
</tr>
<tr>
<td>1</td>
<td>Pile/ Vibratory Hammer</td>
</tr>
<tr>
<td>2</td>
<td>Engine Driven Welding Machine</td>
</tr>
<tr>
<td>1</td>
<td>Grinder</td>
</tr>
<tr>
<td>1</td>
<td>Power Tools</td>
</tr>
<tr>
<td>1</td>
<td>Service Truck</td>
</tr>
<tr>
<td>1</td>
<td>Boom Truck</td>
</tr>
<tr>
<td>1</td>
<td>Pressure Pump and its accessories</td>
</tr>
<tr>
<td>1</td>
<td>Water Truck, 10 cu.m. capacity</td>
</tr>
<tr>
<td>1</td>
<td>One Bagger Mixer</td>
</tr>
<tr>
<td>1</td>
<td>Concrete Vibrator</td>
</tr>
<tr>
<td>1</td>
<td>Oxy-Acetylene Cutting Outfit</td>
</tr>
<tr>
<td>6</td>
<td>Concrete Sample Cylinder</td>
</tr>
</tbody>
</table>
B. As to the Technical Specifications

Engr. Ma. Celia N. Dandan discussed the following in the Technical Specifications:

Scope of Work

The work consists of furnishing all the required labor, equipment, tools, scaffolding, services and materials up to the contract limit for the completion of the proposed project as specified herein:

1. The Contractor shall build/construct a Steel Pipe Bridge, where necessary steel works, piping and other appurtenances shall be in accordance with the approved plans and specification.
2. Installation of concrete piles thru hydraulic or vibratory hammer driving including cut-offs, pile cap, splicing piles and dowels.
3. Supplying, handling, hauling, storing, aligning and driving steel pipe for foundation and slope stability works;
4. Perform excavation on any type of soil and backfilling using suitable materials and disposal of undesirable surplus materials where directed.
5. Installation of structural steel bars including web members, girders and braces.
6. Installation of pipes, fittings, closure pieces, supports, bolts, nuts, gaskets, jointing materials and appurtenances as shown and specified, and as required for a complete and workable piping system.
7. Flushing, leak testing and disinfection of the Steel Pipes.
8. Pipes and valves shall be supplied by GSCWD, only installation shall be performed by the winning bidder
   - Bidders/Contractors should have at least Two (2) years' experience in civil, structural steel works, pile driving and had completed at least Two (2) related construction projects in any Government or Private Institutions from the date of submission and receipt of bids.
   - Contract duration is Ninety (90) Calendar Day and shall commence Five (5) Days after the receipt of Notice to proceed.
   - The Contractor shall comply with safe work practices and all health and safety regulations of the state and the locality. Furnish protective and lifesaving equipment for persons working at the site and provide a Contractor's All Risk Insurance for all his workers.

TECHNICAL SPECIFICATIONS

A. CONCRETE WORKS

Cement shall conform to the "Standard specifications for Portland Cement" (ASTM C-150-Latest Revision) and shall be type I. The cement shall be in accordance with DPHW standards e.g. Holcim or Hex cement and shall not be more than three (3) months from date of manufacture.

- All reinforcing steel bars used shall be of deformed type, new, free from rust, oil, defects, greases or kinks. They shall conform to the latest edition of National Structural Code for Buildings with a minimum grade equal to 275 Mpa (Grade 40) unless otherwise shown on the plans. Test of these materials, to determine its suitability shall be in accordance with the standards of the American Society for Testing and Materials (ASTM).

- Concrete strength shall be 3,000 psi (20.68Mpa) at 28 days to be used for concrete columns and pile cap. No hand mixing shall be allowed during concreting operations.

- The Owner may require a reasonable number of tests on the concrete to be made during the progress of the work. Six (6) cylindrical specimens shall be made for each test of which at least two shall be reserved for 28-day test. Strength test shall be made in accordance with the "Standard Method of Test for Compressive Strength of Cylindrical Concrete Specimens (ASTM C-39-latest revision).

- The Owner will require Six (6) samples per pouring in preparation for testing on concrete to be made during the progress of the work. Two (2) cylindrical specimens shall be made for each test on the 7th, 14th, 28th days respectively.

- Testing expense and transportation to the laboratory shall be borne by the contractor.
B. Steel Works
- The Contractor shall furnish, fabricate and install metal works as specified herein and as shown in the plans. Miscellaneous metal work is defined as all items required to be fabricated from structural steel shapes, plates, bars and their products. The Contractor shall accomplish the work in a complete and finished manner and assure the highest quality of workmanship in accordance with the plan and specification.
- Structural steel shall conform to the "Standard Specifications for Structural Steel".

C. Welding
- Welder’s minimum qualification shall be TESDA equivalent passers with certificate provided.
- The Contractor is responsible for supplying all welding materials

D. Painting - For Angle Bar Web Members is epoxy paint

E. Concrete Piles
1. Concrete shall conform to the requirements of Class AA concrete with 27.6 MPa Cylinder Strength and 19.00 mm aggregate size. Allowable Pile Bearing Capacity: 500kN per pile.
2. Reinforcement: (a) All reinforcing steel shall be deformed bars conforming to AASHTO M31 (ASTM A615) Grade 40. (b) Splices of adjacent longitudinal steel shall be staggered 100 Bar diameters apart. Length of splices shall be 1000mm for 25 Ø, 1300mm for 28Ø and 1700mm for 32Ø
(c) Spiral ties shall be welded and splice.
3. Pile Splice - Piles may be spliced only if strictly necessary and approved by the Engineer. Pile splices shall be located at least 10m below the existing ground level. Pile slice shall develop 100% axial and 50% bending of the capacity of the pile section where the splice is located.

F. Driving of Concrete Piles
Acceptable driving equipment includes hammers, vibratory hammers, driving frames or other equipment as may be required by the Engineer.

INSTALLATION OF TRANSMISSION LINES AND OTHER APPURTENANCES
- HANDLING AND HAULING
All pipes and fittings shall be handled and installed in a manner that will prevent physical or structural damages to pipes, coatings and linings e.g. scored pipe surfaces, crack cement lining, etc. Regardless of which mode of transportation is used utmost care should be observed during transit and apply necessary equipment and accessories like slings etc. during hauling of pipes. Contractor will be held responsible for all damages incurred on such instances.

- PIPING
- All steel pipes shall be Epoxy Coated and Epoxy Lined Spiral, EC/EL Spiral Welded Steel pipes shall be used in piping works as specified on the drawings.
- Spiral Welded Steel Pipes, ASTM A-139, Grade SS-400 B, Bell & Slip-on ends, with internal and external Epoxy @ 406 Microns D.F.T (NSF/ANSI 61 Certified Paint), LWUA Standards.
- Steel pipes shall be provided by GSCWD.

- DISINFECTION
Prior to putting the system to operation the pipeline shall be disinfected to eliminate impurities that possibly entered the pipeline during the construction process by means of chlorination. The pipes shall be filled with 50 PPM chlorine solution for 24 hours.

SPECIAL CONDITIONS
- Variations in quantities - Bidders are reminded that the quantities are estimated and are for the purpose of comparing bids. The successful bidder shall complete all work items at the unit prices quoted in his bid, regardless of the variation between bid quantities and actual quantities required for completion of the work. Payment will be based on actual quantities furnished, installed or constructed.
- Project Turnover - During project’s turn-over, Contractor is required to submit as-built plan. The contractor’s deliverables are 100 percent accomplished either on each part and the site restored as is prior to construction.
- Logbook - A logbook shall be maintained by the Contractor and Engineer at all times in the project site reflecting the daily work activity, visitor, time extension, work suspension, change/extra work orders and circumstances affecting the program of work to be signed by both the Engineer and Contractor. The records shall give the date, time, diameter, length, location, type, total depth of penetration, rate of penetration, number of blows per 250 mm for every 1 meter in length, blows per 25mm for a minimum of the
last 75mm, steam, air or diesel pressure and the kind and size of hammer used in driving. Any unusual phenomena shall be noted and recorded, especially if they indicate possible damage to the pile.

- **Project Signs/ COA Signboard** - The Contractor shall furnish, erect and maintain one (1) project sign and one (1) COA signboard in accordance with the Standard Drawings. The location for the erection of these signs by the Contractor shall be as directed by the Engineer.

- **On-site Inspection and Testing** - All materials furnished and all work performed under the contract shall be subject to inspection by the Owner. The contractor shall comply strictly to the true intent of the Specifications and Drawing as regards with the quality of materials, workmanship and diligent execution of the Contract.

Work done in the absence of prescribed inspection may be required to be removed and replaced under the proper inspection; and the entire cost of removal and replacement, including the cost of all materials which may be used in the work shall be borne by the Contractor.

The cost of carrying out the normal inspection and test of materials should be at the Contractor’s Expense.

- **Plans and Specifications** - All works, that may be called for in the specifications and not shown in the plans or vice versa, shall be executed and finished as if described in both. Should any work required which is not denoted on either plans and specifications either directly or indirectly, it is understood that same shall be implied and required and shall be performed and furnished such materials and layout as fully as if it has been so described.

IV. **CLARIFICATION**

- Engr. Cornelio T. Turtja, Jr. and Engr. Celia N. Dandan, clarified that Steel Flanges as well as the fabrication & fittings shall be provided by the contractor.

- Mr. Jullien Isagan said that 90-day contract duration would not suffice the completion of this project because pile driving cannot be easily done to the concrete pile, especially in a case that there are rocks that could possibly prevent or cannot penetrate to the passage. Hence, the contract duration is extended from 90 days to 150 days.

V. **ADDENDUM**

**Section VI. SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Amendment</th>
<th>From</th>
<th>To</th>
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<tbody>
<tr>
<td>III.B. (6) Contract Duration</td>
<td>Contract Duration is Ninety (90) Calendar Days and shall commence five (5) days after the receipt of Notice to Proceed.</td>
<td>Contract Duration is One Hundred Fifty (150) Calendar Days and shall commence five (5) days after the receipt of Notice to Proceed.</td>
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VI. **Adjournment**

There having no other remaining topic to be discussed, the Pre-Bid Conference was adjourned at 2:44 pm.

Prepared by:

GLADYS FAITH T. LEBOSADA
BAC Secretariat

Reviewed by:

ENGR. CELIA N. DANDAN
TWO
Attested and approved by:

FERDINAND S. FERRER, MPA
BAC Chairperson

In conformity with the Bids and Awards Committee:

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ENGR. ROGELIO A. BESANA, JR.
Vice Chairperson

BAC Members:

ENGR. CORNELIO T. TURIJA, JR.
SAMCELLE B. VALENZUELA

FRANCISCO R. ALOLOD, JR. CPA
MARITESS B. PRIMAYLON