



REPUBLIC OF THE PHILIPPINES

CARMONA WATER DISTRICT

(LWUA CCC No. 561)

ISO CERTIFICATE No. 80132/A/0001/UK/En

Blk. 8, Lot 8, Joy St., Cityland Subdivision, Brgy. Mabuhay, Carmona, Cavite

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***Invitation to Bid for the Supply and Delivery of Labor,
Tools, Equipment and Materials for the Re-Drilling of
Bancal Pumping Station 4 and Construction of its
Facilities***

BIDDING DOCUMENTS

CWD-ENG-BID-2022-005

November 2022

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GO – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.



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Section I. Invitation to Bid

Invitation to Bid for the Supply and Delivery of Labor, Tools, Equipment and Materials for the Re-Drilling of Bancal Pumping Station 4 and Construction of its Facilities

1. The *Carmona Water District*, through the *Corporate Budget Approved by the Board for FY2022* intends to apply the sum of *SEVEN MILLION NINE HUNDRED NINETY SIX THOUSAND SIX HUNDRED SEVENTY SIX PESOS & 69/100 (P7,996,676.69)* being the Approved Budget for the Contract (ABC) to payments under the contract for *Supply and Delivery of Labor, Tools, Equipment and Materials for the Re-Drilling of Bancal Pumping Station 4 and Construction of its Facilities/CWD-ENG-BID-2022-005*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Carmona Water District* now invites bids for the above Procurement Project. Completion of the Works is required *one hundred twenty (120) calendar days*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *Carmona Water District* and inspect the Bidding Documents at the address given below from *Monday to Friday / 8:00AM – 5:00PM Except Holidays*.
5. A complete set of Bidding Documents may be acquired by interested bidders on *November 16 – December 06, 2022 2:00PM* from given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of *TEN THOUSAND PESOS & 00/100 (P10,000.00)*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person*.

6. The *Carmona Water District* will hold a Pre-Bid Conference on *November 24, 2022 2:00PM* at *Carmona Water District Office at Block 8, Lot 8, Joy St., Cityland Subdivision, Brgy. Mabuhay, Carmona, Cavite*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before *December 06, 2022 2:00PM*. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 15.
9. Bid opening shall be on *December 06, 2022 2:00PM* at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The *Carmona Water District* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

Bids and Awards Committee

Carmona Water District

Block 8 Lot 8 Joy St., Cityland Subdivision, Brgy. Mabuhay, Carmona, Cavite 4116

Tel no.: (046) 430-0832 Fax no.:(046) 430-1705

Email Address: carmonawd@yahoo.com billing@carmonawd.gov.ph

cornelio.pacleb@carmonawd.gov.ph customerservice@carmonawd.gov.ph

12. You may visit the following websites:

For downloading of Bidding Documents: <https://carmonawd.gov.ph/>
<https://notices.philgeps.gov.ph/>

11/14/2022

(SGD)

MS. ROCELISA G. MAULANIN
Chairperson, Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *Carmona Water District* Invites Bids for the *Supply and Delivery of Labor, Tools, Equipment and Materials for the Re-Drilling of Bancal Pumping Station 4 and Construction of its Facilities* with Project Identification Number *CWD-ENG-BID-2022-005*.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for *FY2022* in the amount of *SEVEN MILLION NINE HUNDRED NINETY SIX THOUSAND SIX HUNDRED SEVENTY SIX PESOS & 69/100 (P7,996,676.69)*.

2.2. The source of funding is:

GOCC and GFIs, the Corporate Operating Budget.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA’s CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be “similar” to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time at its physical address as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the
- 10.6. contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in: Philippine Pesos.*

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until *One Hundred Twenty (120) Calendar Days from the date of bid opening*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address as indicated in paragraph 7 of the **IB**.

18. Opening and Preliminary Examination of Bids

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

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: <i>Well Drilling Projects</i>																					
7.1	Subcontracting is not allowed.																					
10.3	Valid Certificate of Well Driller Registration from National Water Resources Board (NWRB)																					
10.4	The key personnel must meet the required minimum years of experience set below:																					
	<table><tr><td><u>Key Personnel</u></td><td><u>General Experience</u></td><td><u>Relevant Experience</u></td></tr><tr><td>Project Engineer/Manager</td><td>Well Drilling</td><td>3 years</td></tr><tr><td>Foreman</td><td>Well Drilling</td><td>3 years</td></tr></table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Engineer/Manager	Well Drilling	3 years	Foreman	Well Drilling	3 years												
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Project Engineer/Manager	Well Drilling	3 years																				
Foreman	Well Drilling	3 years																				
10.5	<p>The minimum major equipment requirements are the following:</p> <table><tr><td><u>Equipment</u></td><td><u>Capacity</u></td><td><u>Number of Units</u></td></tr><tr><td>Air Rotary Drilling Rig</td><td></td><td>1</td></tr><tr><td colspan="3"><i>*The rig has a top-head drive with automated non-drilling function, such as power indexed carousel & fast break-out capabilities. The rig has 30,000 lbs of pull-down capacity & 35,000 lbs of pull back feed system.</i></td></tr><tr><td>Submersible Pump & Motor</td><td>60HP</td><td>1</td></tr><tr><td>Water Tank</td><td>1000 Liters</td><td>1</td></tr><tr><td>Mud Pump</td><td></td><td>1</td></tr><tr><td>Generator Set</td><td>90KVA</td><td>1</td></tr></table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Air Rotary Drilling Rig		1	<i>*The rig has a top-head drive with automated non-drilling function, such as power indexed carousel & fast break-out capabilities. The rig has 30,000 lbs of pull-down capacity & 35,000 lbs of pull back feed system.</i>			Submersible Pump & Motor	60HP	1	Water Tank	1000 Liters	1	Mud Pump		1	Generator Set	90KVA	1
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Submersible Pump & Motor	60HP	1																				
Water Tank	1000 Liters	1																				
Mud Pump		1																				
Generator Set	90KVA	1																				
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than <u>Php159,933.53</u> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php399,833.83</u> if bid security is in Surety Bond.</p>																					
16	Bidders shall submit additional scanned copy of the <i>Technical Documents</i> of its Bid in a USB Flash Drive, sealed on the <i>Technical Component Envelope</i> .																					
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 and Payment System (EFPS) shall be accepted.</p> <p><i>Note: The latest income and business tax returns are those within the last six months preceding the date of bid submission.</i></p>
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.</p>

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.4 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract

acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex “E” of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor’s Bid shall be used for small additional amounts of work only when the Procuring Entity’s Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity’s Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.

11.2. The Contractor shall submit to the Procuring Entity’s Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor’s accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex “E” of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity’s Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the **SCC**.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date is One Hundred Twenty (120) calendar days which will commence within seven calendar days from receipt of the Notice to Proceed.
3.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor after a pre-construction meeting between authorized representatives of the Procuring Entity and the Contractor.
6	The site investigation reports are: <i>none</i>
7.2	<p>Warranty: Five (5) years.</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></p>
10	No dayworks are applicable to the contract.
11.1	The Contractor shall submit the detailed Program of Work to the Procuring Entity's Representative within seven (7) calendar days of delivery of the Notice of Award for approval by the Carmona Water District.
11.2	<p>The period between Program of Work updates is thirty (30) days.</p> <p>The amount to be withheld for late submission of an updated Program of Work is 1/50 of 1% of the progress payment due.</p>
13	The amount of the advance payment is 15% of the Contract price which shall be paid upon acceptance of the Notice to Proceed.
14	Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	<p>The date by which operating and maintenance manuals are required is seven (7) days after completion.</p> <p>The date by which "as built" drawings are required is seven (7) days after completion.</p>
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is 1/50 of 1% of contract value.

Section VI. Technical Specifications

Project Title: Supply and Delivery of Labor, Tools, Equipment and Materials for the
Re-Drilling of Bancal Pumping Station 4 and Construction of its
Facilities

Location: Governor's Drive Brgy. Bancal, Carmona, Cavite

Duration of Project: 120 calendar days

ABC = Php7,996,676.69

Terms of Payment: 15% down payment

Balance – Upon progress billings

I. Well Drilling (Air Rotary Drilling Method)

Item No.	Description of Work	Qty/Unit
1	Mobilization of drilling rig, equipment and staff to site	1 lot
2	Preparation of site and setting up of equipment	1 lot
3	Drilling of 400 mm- Ø (16" Ø) borehole from ground surface to 245 meters including strata sampling every meter of penetration or less when change in formation occurs	245 meters
4	Geophysical borehole logging (electric resistivity and self-potential)	1 lot
5	Furnishing of 250 mm (10" Ø) nominal diameter steel casing with minimum wall thickness of 6.0 mm	204 meters
6	Furnishing of 250 mm (10" Ø) nominal diameter stainless steel wirewound screen, slot 60	42 meters
7	Installation of 250 mm-Ø blank casings and stainless steel screens	246 meters
8	Furnishing and installation of formation stabilizer around casing	230 meters
9	Development by air-lift method	12 hours
10	Step-drawdown pumping test, with steps at one hour duration each step carried out in succession with discharge rate increasing in equal fraction of well's expected maximum discharge	1 lot
11	Continuous constant discharge rate pumping test	72 hours
12	Cement grouting of annulus around 250 mm (10" Ø) casing	15 meters
13	Furnishing and install well head cap and gravel fill pipe	1 lot
14	Demobilization and site clean-up	1 lot

II. Submersible Cable, Pump and Motor, Riser Pipe and Control Panel with Variable Frequency Drive (VFD)

Item No.	Description of Work	Qty/Unit
1	Supply and installation of submersible pump and motor, Q=20lps x 170m TDH, 60 HP, 460V, 60 Hz, 3-phase	1 set
2	Supply and installation of VFD Motor Control rated at 60Hp, 460VAC, 60Hz complete with all accessories wired in NEMA 12 enclosure	1 set
3	Submersible cable #2-3C	156 meters
4	150mm-Ø x 3 mtr. uPVC riser pipe	50 length
5	150 mm-Ø Top and bottom stainless steel adaptor	1 set
6	#14/7 Suspension Wire	2 boxes
7	Splicing kit	1 set
8	3/4"Ø x 3m PVC pipe with male/female coupling	50 length
9	150mm-Ø x 200mm-Ø Well seal with elbow (F/E)	1 set
10	Other miscellaneous items to complete the delivery, installation/assembly, commissioning of submersible pump and motor, riser pipe and control panel with VFD	1 lot

III. Electro – Mechanical Equipment

Item No.	Description of Work	Qty/Unit
1	100mm-Ø Flow meter F/E	1 set
2	100mm-Ø Check valve F/E	1 set
3	100mm-Ø Butterfly valve F/E	2 sets
4	100mm Ø x 300mm Short Pipe (FExFE) with two (2) hole for Pressure Gauge (0 – 100 psi) and Air release valve assembly	1 set
5	100mm-Ø Sleeve Type Coupling w/ Harness	2 sets
6	100mm-Ø Pipes and fittings F/E	1 lot
7	Other miscellaneous items to complete the delivery, installation/assembly, commissioning of electro- mechanical equipment	1 lot

IV. Masonry Works

Item No.	Description of Work	Qty/Unit
1	Demolition and restoration of portion of existing pump house and fence	1 set

V. Electrical Works

Item No.	Description of Work	Qty/Unit
1	Wires/cables and conduits complete with couplings, fittings and supports installed	1 lot
2	Wiring devices including extensions, fittings and plate covers (installed)	1 lot (existing)
3	Outlet boxes, pull and splice boxes	1 lot
4	Lighting fixtures including flexible conduits, terminals and supports (installed)	1 lot (existing)
5	CB Panel Boards including 5KVA dry type transformer, 230V, 1-Ø, 60Hz	1 lot
6	Pressure Transmitter/Transducer (24 VDC PowerSupply loop powered)	1 lot
7	Grounding System, connectors included and others (installed)	1 lot
8	Service entrance concrete pedestal	1 lot (existing)
9	Other miscellaneous items to complete the electrical works	1 lot

VI. Chlorinator Feed System

Item No.	Description of Work	Qty/Unit
1	Chlorinator Feeder Pump, 4li/Hr, 0.7Mpa with 200 liter MDPE Tank with mixer paddle complete with suction and discharge plastic tubing	1 set (existing)

Summary of Drilling Works

Item No.	Description of Work	Qty/Unit
1	Well Drilling (Air Rotary Drilling Method)	1 set
2	Submersible Cable, Pump and Motor, Riser Pipe and Control Panel with Variable Frequency Drive (VFD)	1 set
3	Electro – Mechanical Equipment	1 set
4	Concrete Pump House	1 set
5	Electrical Works	1 set
6	Chlorinator Feed System (Existing)	1 set (existing)

GENERAL CONDITIONS

The following activities/works shall be part of the Contractor's Scope of Works:

1. Plan Preparation and Design – (During Bid Opening)
 - Detailed Plan and Specification
 - Project Construction Schedule (Bar/Gant Chart and PERT-CPM)
2. Document Submittals as follows:
 - Laboratory Pump Test Result
 - Geophysical Well Log Result and Well Design
 - Pumping Test Report
 - Step Drawdown Test Report
 - Recovery Test
 - Water Quality Test Report
 - Well and Test Data
 - As-built Plan
 - Isotope Analysis
 - VFD Manual
3. Complete supply and delivery of Labor, Tools, Equipment, and Materials for the Drilling of One (1) Unit Production Well and Construction of its facilities based on the following drilling configurations:
 - Approximate Two Hundred Forty Five (245) Meters Depth Deep Well Drilling (Air Rotary Drilling Method).
 - Complete assembly of submersible cable, pump & motor, riser pipes and control panel with complete accessories including Variable Frequency Drive.
 - Demolition and restoration of portion of existing pump house and fence.
 - Complete assembly/installation of electro mechanical with complete accessories.
 - Complete electrical works.
 - Other miscellaneous items to complete the delivery, installation/assembly and commissioning of the project.
4. Temporary facilities/safety & security/traffic management/ utilities (barracks, temporary fence, electricity, water, etc)
Cost of temporary connection for power and water utilities to the construction/drilling site.
5. Demolition of existing fence of the property affected by the proposed project.
6. Hauling and disposal of unnecessary and/or excess excavated materials.
7. Formworks / scaffoldings requirements needed for the project.
8. Ground restoration.

9. The contractor shall provide project billboard as per requirement of COA to any government project.
The contractor shall refer to the COA guidelines for the dimensions and template/format of project billboard.
10. Pull out of the existing pump and motor.
11. Materials for interconnection of new main water distribution line to existing distribution line shall be provided by the contractor.
12. The Contractor must be accredited well driller by the NWRB.
13. Air Rotary Drilling Method that involves the use of high compressed air (min. 750 CFM x 350 PSI) as drilling fluid to bring drill cuttings to the surface.
The rig has a top-head drive with automated non-drilling function, such as power indexed carousel & fast break-out capabilities. The rig has 30,000 lbs of pull-down capacity & 35,000 lbs of pull back feed system.
14. The Contractor shall ensure continuous operation of existing pumping station even with ongoing construction. Relocation of transmission line shall be borne by the contractor.

Section VII. Drawings

Location Map

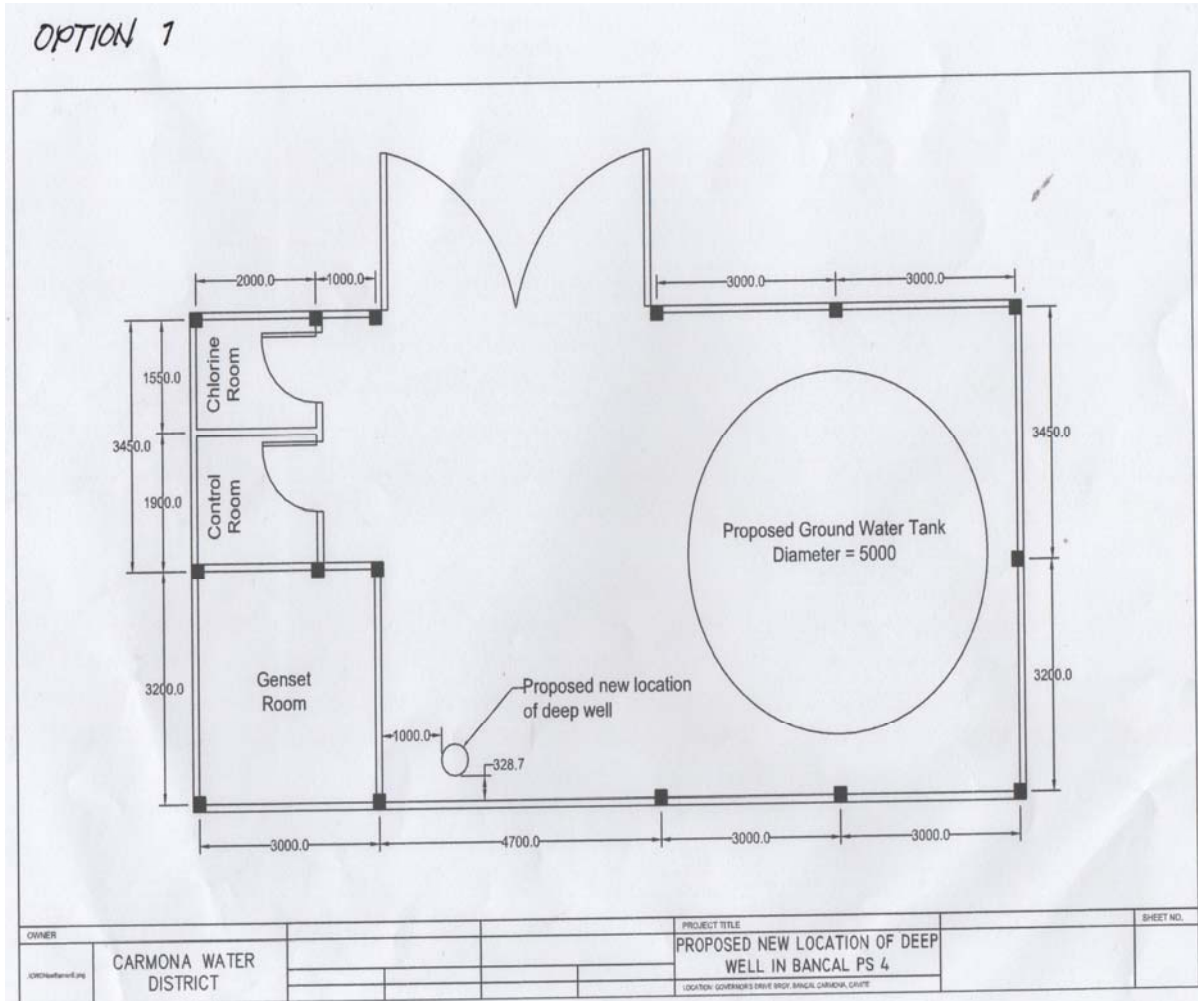


BANCAL PUMPING STATION 4



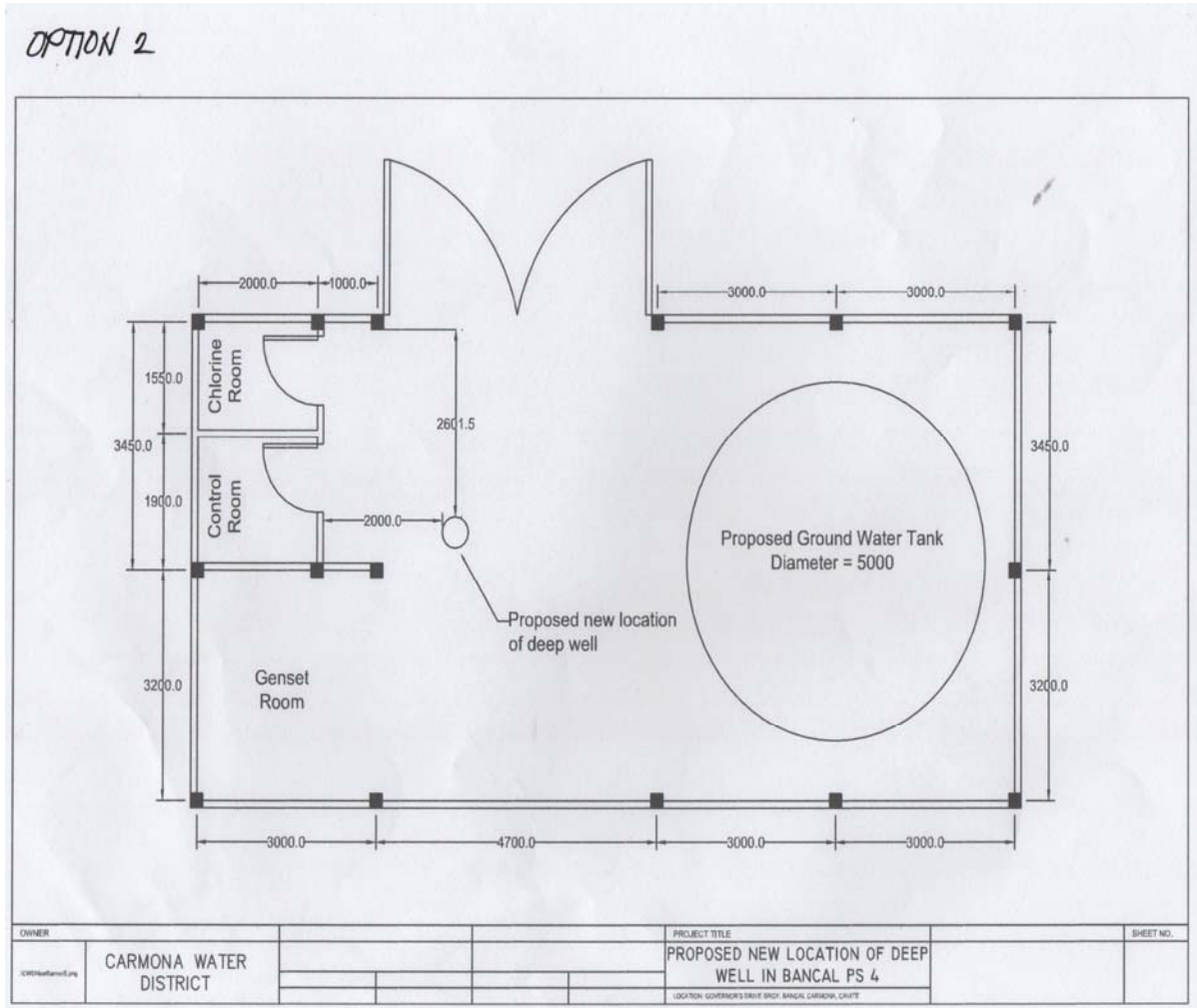
DEEP WELL LOCATION

OPTION NO.1

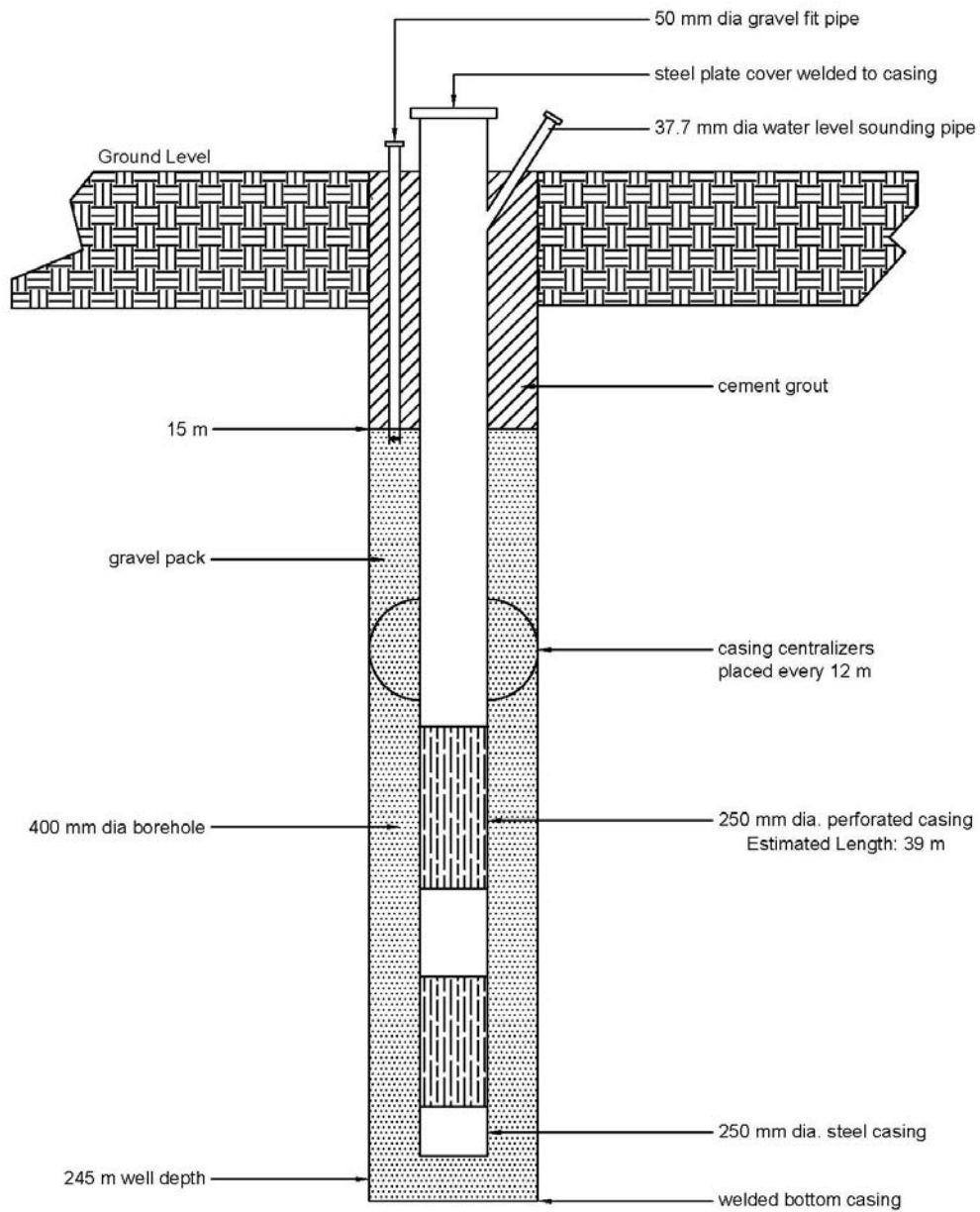


DEEP WELL LOCATION

OPTION NO.2



Well Design



NOTE: SHOULD DRILLING OF BOREHOLE NOT BE DONE CONTINUOUSLY TO DESIRED DEPTH DUE TO UNAVOIDABLE CIRCUMSTANCES, WELL DESIGN SHALL BE CHANGED TO TELESCOPIC CASINGS 10"Ø X 8" Ø

Section VIII. Bill of Quantities

Contract Name: **Supply and Delivery of Labor, Tools, Equipment and Materials for the Re-Drilling of Bancal Pumping Station 4 and Construction of its Facilities**

Name of the Bidder: _____

I. Well Drilling (Air Rotary Drilling Method)

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	Mobilization of drilling rig, equipment and staff to site	1 lot		
2	Preparation of site and setting up of equipment	1 lot		
3	Drilling of 400 mm- Ø (16" Ø) borehole from ground surface to 245 meters including strata sampling every meter of penetration or less when change in formation occurs	245 meters		
4	Geophysical borehole logging (electric resistivity and self-potential)	1 lot		
5	Furnishing of 250 mm (10" Ø) nominal diameter steel casing with minimum wall thickness of 6.0 mm	204 meters		
6	Furnishing of 250 mm (10" Ø) nominal diameter stainless steel wirewound screen, slot 60	42 meters		
7	Installation of 250 mm-Ø blank casings and stainless steel screens	246 meters		
8	Furnishing and installation of formation stabilizer around casing	230 meters		
9	Development by air-lift method	12 hours		
10	Step-drawdown pumping test, with steps at one hour duration each step carried out in succession with discharge rate increasing in equal fraction of well's expected maximum discharge	1 lot		
11	Continuous constant discharge rate pumping	72 hours		
12	Cement grouting of annulus around 250 mm (10" Ø) casing	15 meters		
13	Furnishing and install well head cap and gravel fill pipe	1 lot		
14	Demobilization and site clean-up	1 lot		

II. Submersible Cable, Pump and Motor, Riser Pipe, and Control Panel with Variable Frequency Drive (VFD)

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	Supply and installation of submersible pump and motor, Q=20lps x 170m TDH, 60 HP, 460V, 60 Hz, 3-phase	1 set		
2	Supply and installation of VFD Motor Control rated at 60Hp, 460VAC, 60Hz complete with all accessories wired in NEMA 12 enclosure	1 set		
3	Submersible cable #2-3C	156 meters		
4	150mm-Ø x 3 mtr. uPVC riser pipe	50 length		
5	150 mm-Ø Top and bottom stainless steel adaptor	1 set		
6	#14/7 Suspension Wire	2 boxes		
7	Splicing kit	1 set		
8	3/4"Ø x 3m PVC pipe with male/female coupling	50 length		
9	150mm-Ø x 200mm-Ø Well seal with elbow	1 set		
10	Other miscellaneous items to complete the delivery, installation/assembly, commissioning of submersible pump and motor, riser pipe and control panel with VFD	1 lot		

III. Electro – Mechanical Equipment

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	100mm-Ø Flow meter F/E	1 set		
2	100mm-Ø Check valve F/E	1 set		
3	100mm-Ø Butterfly valve F/E	2 sets		
4	100mm Ø x 300mm Short Pipe (FExFE) with two (2) hole for Pressure Gauge (0 – 100 psi) and Air release valve assembly	1 set		
5	100mm-Ø Sleeve Type Coupling w/ Harness	2 sets		
6	100mm-Ø Pipes and fittings F/E	1 lot		
7	Other miscellaneous items to complete the delivery, installation/assembly, commissioning of electro- mechanical equipment	1 lot		

IV. Masonry Works

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	Demolition and restoration of portion of existing pump house and fence	1 set		

V. Electrical Works

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	Wires/cables and conduits complete with couplings, fittings and supports installed	1 lot		
2	Wiring devices including extensions, fittings and plate covers (installed)	1 lot	(existing)	
3	Outlet boxes, pull and splice boxes	1 lot		
4	Lighting fixtures including flexible conduits, terminals and supports (installed)	1 lot	(existing)	
5	CB Panel Boards including 5KVA dry type transformer, 230V, 1-Ø, 60Hz	1 lot		
6	Pressure Transmitter/Transducer (24 VDC Power Supply loop powered)	1 lot		
7	Grounding System, connectors included and others (installed)	1 lot		
8	Service entrance concrete pedestal	1 lot	(existing)	
9	Other miscellaneous items to complete the electrical works	1 lot		

VI. Chlorinator Feed System

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	Chlorinator Feeder Pump, 4li/Hr, 0.7Mpa with 200 liter MDPE Tank with mixer paddle complete with suction and discharge plastic tubing	1 set	(existing)	

Summary of Drilling Works

Item No.	Description of Work	Qty/Unit	Unit Cost	Total Cost
1	Well Drilling (Air Rotary Drilling Method)	1 set		
2	Submersible Cable, Pump and Motor, Riser Pipe and Control Panel with Variable Frequency Drive (VFD)	1 set		
3	Electro – Mechanical Equipment	1 set		
4	Concrete Pump House	1 set		
5	Electrical Works	1 set		
6	Chlorinator Feed System (Existing)	1 set	(existing)	

Submitted by: _____
(Printed Name & Signature of Authorized Representative)

Designation: _____

Date: _____

DETAILED ESTIMATES

Name of the Bidder: _____

PROJECT:		Supply and Delivery of Labor, Tools, Equipment and Materials for the Re-Drilling of Bancal Pumping Station 4 and Construction of its Facilities				DATE:	
LOCATION:		Governor's Drive Brgy. Bancal, Carmona, Cavite				REV. NO.	
MATERIALS	NO.	NAME AND SPECIFICATIONS OF MATERIALS	QTY	UNIT	UNIT RATE	COST	
TOTAL FOR MATERIALS							
EQUIPMENT	NO.	NAME AND CAPACITY OF EQUIPMENT/TOOLS	NO. OF UNIT/S	NO. OF DAY/S	DAILY RATE	COST	
TOTAL FOR EQUIPMENT							
LABOR	NO.	DESIGNATION OF PERSONNEL	NO. OF UNIT/S	NO. OF DAY/S	DAILY RATE	COST	
TOTAL FOR LABOR							
ESTIMATED DIRECT COST (EDC)							
OVERHEAD CONTINGENCIES & MISCELLANEOUS							
CONTRACTOR'S PROFIT							
VALUE ADDED TAX							
ESTIMATED INDIRECT COST							
TOTAL COST							
UNIT COST							
ADJUSTED TOTAL COST							

**add rows/columns and sheets if necessary*

Submitted by: _____
 (Printed Name & Signature of Authorized Representative)

Designation: _____

Date: _____

Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Valid Philippine Contractors Accreditation Board (PCAB) License; **or** Special PCAB License in case of Joint Ventures; **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
 - ☐ a. Organizational chart for the contract to be bid;
 - ☐ b. List of contractor’s key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
 - ☐ c. List of contractor’s major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- ☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**
- ☐ (m) Cash Flow by Quarter.

