



PHILIPPINE NATIONAL OIL COMPANY

PNOC Building VI, Energy Center

Rizal Drive, BGC, Taguig City

Tel. No.: 8789 – 7662

www.philgeps.gov.ph / www.pnoc.com.ph

REQUEST FOR QUOTATION / PROPOSAL

The PHILIPPINE NATIONAL OIL COMPANY (PNOC) through its Bids and Awards Committee (BAC), invites all interested and PhilGEPS-registered suppliers / contractors / consultants to submit quotations / proposals for the following company requirements:

Date : **July 20, 2022**
Project Title : **Supply, Delivery, Installation, Testing and Commissioning of Submersible Pump and Motor Complete with Cable and Control Panel and Pipes**
Reference No. : **2022-07-167**
Total ABC : **PhP477,500.00**
Submission Deadline: **July 29, 2022 / 5:00 PM**

Accomplished **Price Quotation/Proposal and Compliance Form** may be submitted through registered or electronic mail to the PNOC Procurement Management Division at the above address or to procurement@pnoc.com.ph and hdvallano@pnoc.com.ph no later than the submission deadline together with the following documentary requirements and information:

- Mayor's/Business Permit
- PhilGEPS Registration Number
- Signed Terms of Reference / Technical Specifications Sheet (if applicable)
- Omnibus Sworn Statement (Unnotarized) copy may be submitted prior to submission deadline, but the notarized one shall be submitted after award or before payment).

The PNOC reserves the right to accept or reject any or all quotations/proposals or parts thereof, to waive formality therein or to accept such or to award any that are considered most advantageous to the company.

Thank you.

 7.21.22

EVANGELINE B. ALBAYTAR

Chairperson

Bids and Awards Committee 

PRICE QUOTATION / PROPOSAL AND COMPLIANCE FORM

PHILIPPINE NATIONAL OIL COMPANY
Energy Supply Base Department,
Mainaga, Mabini, Batangas

Project : Supply, Delivery, Installation, Testing and Commissioning of Submersible Pump and Motor Complete with Cable and Control Panel and Pipes

Project Location : Energy Supply Base, Mainaga, Mabini, Batangas

Justification : Replacement of Damaged Submersible Pump and improve water supply to fire hydrants and locators.

I. SCOPE OF WORK

The contractor shall supply all required labor, tools, materials, equipment, and necessary supervision and technical expertise to execute and complete the Supply, Delivery, Installation, Testing and Commissioning of Submersible Pump and Motor Complete with Cable and Control Panel and Pipes at PNOC ESB.

1. Mobilization;
2. Site inspection and layout of the existing deep well.
3. Supply, delivery, and installation:
 - a.) One (1) brand new unit submersible deep well pump and motor complete with submersible cables and ancillary materials
 - b.) One (1) brand new unit of control panel with NEMA 3R Enclosure Rain tight
 - c.) Riser pipes – 5 pcs Galvanized Iron Pipes and Pipe Fittings
4. Energization, testing and commissioning.
5. Demobilization.

II. LABOR REQUIREMENTS

1. Contractor must be knowledgeable in proper installation of the submersible deep well pump and motor.
2. Contractor must have a qualified team leader for all technical aspects needed for the execution of the work.
3. The contractor shall also deploy a Safety Officer 2, and he/she must always be present on site whenever work is being performed.

III. EQUIPMENT REQUIREMENTS

The minimum equipment requirements are the following:

Equipment	Minimum Capacity	Number of Units
Boom Truck or equivalent	5 Tons	Min. of One (1)

IV. MATERIALS REQUIREMENTS

1. One (1) Unit Brand New Submersible Deep Well Pump and Motor
 - a. Motor should have at least 30HP capacity, 3 Phase. Frequency shall be 60 Hz, rated voltage shall be 230V, and rated speed shall be at least 3,450 revolutions per minute (rpm). All steel components shall be made in stainless steel that ensures high corrosive resistance. Motor shall have temperature sensor; it can be built in or to be installed separately as additional feature.
 - b. Submersible pump shall be suitable for pumping clean water and shall be installed vertically. Discharge shall be 3 inches National Pipe Tapered (NPT) threads. Capacity of the pump shall be at least 140 gallons per minutes (gpm). The total dynamic head shall be at least 165 meters and pump setting at least 24 meters. The water level drawdown of the pump shall be at least 1 meter. All steel components shall be made in stainless steel that ensures high corrosive resistance.
2. One (1) Unit Brand New Control Panel
 - a. The control panel shall conform to the specification of the pump and motor with respect to supply characteristics, rating of main lugs, and capacity of circuit breakers. It shall have combination circuit breaker, overload relay, contractor, auto-transformer, on delay timer, phase failure, and under/over voltage release, pilot light, start/ stop push button, selector switch, liquid level float less sensor type with electrodes, digital metering and lightning arrester wired in NEMA 3R enclosure rain tight.
3. Submersible Cables and other ancillary items
 - a. The Contractor shall supply and install brand new submersible cables, splicing kit, plastic tape, rubber tape, and all other ancillary materials.
4. Riser Pipe
 - a. The riser pipes shall be Galvanized Iron schedule 40 with diameter of 3 inches and length of 20 feet.
 - b. The couplings and other pipe fittings shall be Galvanized Iron schedule 40.

V. DRAWINGS

The contractor should refer to Annex A for the vicinity map, location and as-built drawing of the existing deep-well for reference.

VI. PROJECT EXECUTION REQUIREMENTS

A. Methodology Requirements

1. Mobilization

- a. The Contractor shall validate and check any conditions on-site which may have an effect on the work and shall immediately notify PNOC commencing the works.
- b. The Contractor shall examine the well's depth and head before initiating the installation of submersible pump.

2. Supply and delivery of one (1) brand new Submersible Pump and Motor complete with cables, control panels, and riser pipes.

- a. The Contractor shall submit complete technical specifications of the submersible deep well pump, motor, and control panel prior to purchase/delivery on site and shall be subject for approval of PNOC. Submittals shall include technical specifications, pump curve charts and shop drawings showing dimensions of the motor and pump.
- b. The cables and other ancillary materials to be installed shall be standard products of reputable manufacturer engaged in the production of such materials.
- c. Mill Certifications/ Quality Assurance Certifications from manufactures shall be submitted to PNOC upon delivery on site.
- d. All materials and equipment to be supplied by the Contractor shall be inspected by the PNOC representative upon delivery on site or prior to installation. PNOC reserves the right to reject delivered equipment/materials should there be evident damage upon inspection.

3. Installation and Energization

- a. The Contractor shall submit the methodology on the installation of the submersible pump and motor and shall be approved by PNOC before commencing installation works.
- b. All wiring, electrical connections and system grounding must comply with the Philippine Electrical Code (PEC) and with local codes and ordinances applicable.
- c. In splicing the drop cable connected to the motor leads, it is necessary that the splices shall be water tight. The Contractor shall conduct necessary cable and splice test for leaks to ground before installation.
- d. The Contractor shall check the submersible pump and accessories for physical damage prior to installation. They shall also check the electric

supply for proper voltage, fusing, wire size, grounding, and transformer size. The well casing shall also be checked.

- e. After installation, PNOC and the contractor shall conduct necessary inspections prior to energization.

4. Testing and Commissioning

- a. The Contractor shall submit the methodology for testing and commissioning and motor and shall be approved by PNOC before commencing installation works.
- b. The Contractor shall conduct pre-commissioning inspections and it shall be carried out successfully.
- c. The Contractor shall invite PNOC representative to witness the testing and commissioning.
- d. After successful testing and commissioning, the results shall be recorded in the test reports and shall be submitted to PNOC for approval and acceptance.

5. All works, which are not in accordance with this Scope of Works, shall be corrected at the Contractor's expense.

6. All matters/changes relative to the project specifications shall be brought to the attention of the PNOC representative.

B. General Conditions

1. The contractor is required to inspect and examine the site and the surroundings of the proposed project to arrive at an estimate of the labor, materials, and equipment necessary to carry out the work.
2. A joint inspection must be conducted by the Contractor and PNOC representatives on the specific works to be done for the project.
3. The contractor is required to secure the required surety, performance, and guarantee bonds prior to the commencement of work.
4. The contractor is required to submit the following items subject for approval of PNOC prior to commence of the Work:
 - a. Technical Specifications of Equipment/ Materials to be supplied
 - b. Installation Methodology
 - c. Testing and Commissioning Methodology
 - d. BOQ with Weighted Percentage
 - e. Manpower Histogram
 - f. Tools and Equipment Histogram
 - g. Work Schedule and S-Curve; and
5. The contractor shall secure the following requirements prior to execution of works:
 - a. PNOC ESB Work Permit System; and
 - b. Safety and Health Orientations of all personnel by PNOC ESB HSSE Officer.

6. The contractor must conduct proper planning and safety orientation meetings with all personnel involved in the work prior to commencement.
7. The contractor is required to coordinate all activities and work relative to the project with the PNOC representative for proper monitoring and coordination.
8. The contractor shall commence work on the agreed Start Date and shall carry out the work in accordance with the program of work submitted by the CONTRACTOR, as approved by the PNOC representative, and complete the project by the completion date as indicated in the SOW.
9. The contractor shall be liable for all accident claims and other related claims arising from injuries and damages, which may occur in relation to the execution of the project.
10. The contractor shall hold PNOC and its personnel free from any and all liabilities for damages arising from injuries or liabilities to persons or damages to property occasioned by any act or omissions of the contractor including any and all expenses which may be incurred by PNOC and its personnel in the defense of any claim, action or suit.
11. The cost of any and all rework and/or restoration of damaged properties due to the Contractor's poor workmanship or negligence shall be borne by the contractor.
12. The Contractor must comply with RA 11058, DOLE DO 198-18, OSHS, and other requirements to include, among others, the use of personal protective equipment by all workers, installation of safety signage, proper ID; and PNOC ESB's rules, regulations, and penalties on safety, security and environment.
13. The work shall be executed in the best and thorough manner throughout the project timeline to the satisfaction of PNOC, as represented by its engineers and supervisors who will jointly interpret the meaning of the scope of work and its conditions and shall have the power to reject any work, method of accomplishing every part of work and material used which in their judgment are not fully in accordance with the specifications and/or description as provided in the scope of work and are deemed to be disadvantageous to PNOC.
14. The Contractor shall submit to PNOC ESB representative Daily Accomplishment Report for construction monitoring purposes.
15. The Base operations shall be given priority on the phasing of works. The Contractor should therefore coordinate with the PNOC ESB representative regarding the scheduling and phasing of works so as not to interrupt the Base operations during project implementation.
16. The Contractor shall be liable for all direct and consequential damages arising out of any failure to perform the work in accordance with the schedule and with terms and conditions of the contract documents.

C. Site Possession

1. The CONTRACTOR confirms that he has inspected the site where the work will be performed; that he is fully aware of the conditions which might affect the nature, extent, and cost of the work required; that PNOC shall in no way be responsible for any costs or expenses which may be incurred on account of the failure of the

CONTRACTOR to make an accurate examination of present and/or assessment of future factors that may affect the cost of execution.

2. The PNOC ESB shall designate a specific area to be used by the CONTRACTOR as a temporary facilities/storage area/administration area in connection with the project.

D. Contract interpretation

The contract documents, specifications and drawings are mutually complimentary. In case of conflict, what is noted in one although not shown in another shall be considered contained in all. The specifications shall prevail over the drawings. The documents forming the contract shall be interpreted in the following order of priority:

1. Contract/Construction Agreement
2. Letter of Acceptance
3. Contractor's Bid
4. Special Conditions of the Contract
5. Specifications
6. Drawings
7. Bill of Quantities
8. Any other documents listed in the Special Conditions of the Contracts as forming part of the Contract.
9. The Contractor shall examine all the issued documents relating to the work and must have verified all existing conditions at the site. No consideration will be given for any alleged misunderstanding or misinterpretation of the specifications and materials to be used or work to be done.
10. All works shall be properly coordinated with PNOC ESB.

VII. PROJECT DURATION

Work should be completed within ninety (90) calendar days reckoned from the date of receipt of the Notice to Proceed. The 90 calendar days include the sixty (60) calendar days' delivery lead time of the submersible pump and motor.

NOTE: Delays due to work stoppage (related to contractor's noncompliance to Safety, Health, Security, and Environmental policies of ESB) ordered by PNOC will still be counted to the original contract duration; i.e. no suspension of time shall be granted to the contractor.

VIII. WARRANTY PROVISIONS

- 9.1 The warranty for the submersible pump, motor, and control panel shall be two (2) years reckoned from the delivery on site. The original copy of the delivery receipts shall be submitted to PNOC upon delivery on site.
- 9.2 The warranty for the services of the Contractor shall be one (1) year reckoned from the date of final turn-over and acceptance.

IX. DEFINITION OF SIMILAR PROJECTS

The contractor must have at least five (5) years of relevant experience and have completed at least one (1) project in supply, delivery, installation, testing and commissioning of submersible pump and motor.

X. ABC = Php477,500.00 (inclusive of all taxes)

XI. BILL OF QUANTITIES

The contractor may refer to the table below for the preparation of the Bill of Quantities.

Bill of Quantities

No.	Description	Qty.	Unit	Unit Cost (PHP)	Total Cost (PHP)
I	Mobilization/Demobilization	1.00	lot		
II	Supply and delivery of one (1) brand new Submersible Pump and Motor complete with cables, control panels, and riser pipes.				
	2.1 Brand New Submersible Pump and Motor	1.00	Set		
	2.2 Brand New Control Panel	1.00	Set		
	2.3 Submersible Cables and Ancillary Materials	1.00	lot		
	2.4 Galvanized Iron Pipe, 3" Ø x 20' complete with couplings and pipe fittings	5.00	Set		
III	Installation and Energization (Including labor and equipment)	1.00	lot		
IV	Testing and Commissioning	1.00	lot		
GRAND TOTAL in PHP (Inclusive of all taxes)					

TERMS AND CONDITIONS

1. Payment Terms: Government Terms - full payment upon completion of delivery/implementation, or subject to the conditions specified in the Scope of Works/Activities or Terms of Reference.
2. All entries shall be typed or written in a clear legible manner.
3. Bidder shall offer one (1) bid only. Alternative bids shall be rejected.
4. All prices offered herein are valid, binding and effective for THIRTY (30) calendar days upon issuance of this document.
5. As a general rule, price quotations to be denominated in Philippine Peso shall include all taxes, duties and/or levies payable.
6. In case of tie quotations, tie breaking shall be on draw lots or toss coin.
7. In case supplier pro forma quotation is submitted, conditions will be governed by the submitted signed Terms of Reference / Technical Specifications Sheet.
8. During evaluation of quotation/proposal, the project proponent may require additional documents to verify, validate and ascertain the compliance of the supplier/contractor or consultant.

We undertake, if our Proposal is accepted, to supply/deliver the goods/services in accordance with the specifications and/or delivery schedule.

We agree to abide by this quotation/proposal for a period of thirty (30) calendar days, which is the price's validity period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a Contract or a Purchase Order is executed, this Quotation/Proposal shall be binding upon us. We understand that you are not bound to accept the lowest or any Proposal you may receive.

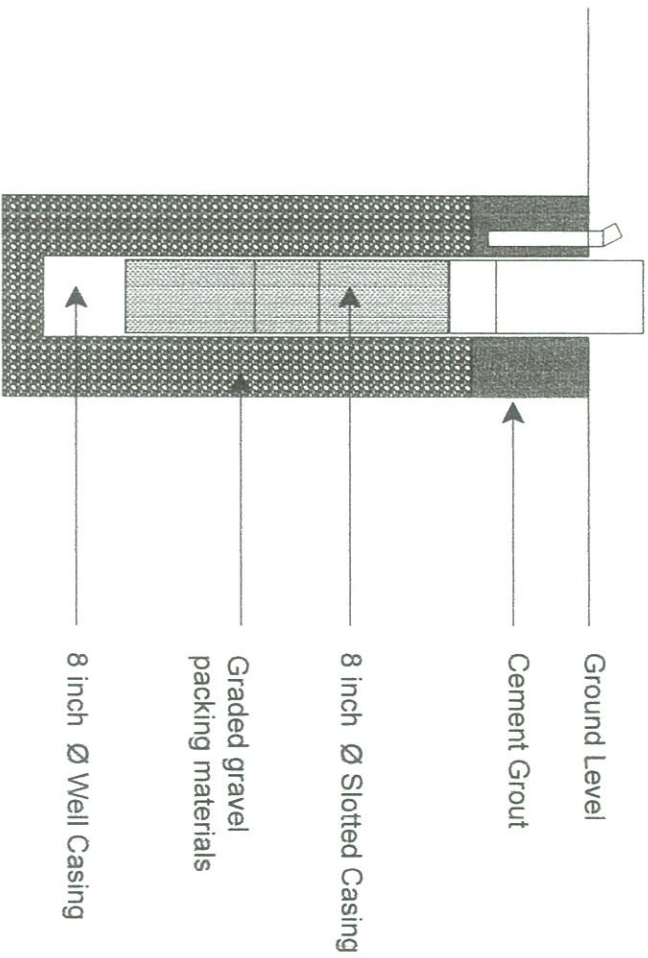
Signature over Printed Name : _____

Designation/Position : _____

Name of Organization : _____

Organization Address : _____

Tel No. / Mobile No. and Email
Address : _____



PUMP AND MOTOR SPECIFICATION:

PUMP & MOTOR RATING: 30HP

FREQUENCY: 60Hz

RATED VOLTAGE: 230V

RATED SPEED: 3,450rpm

RISER PIPE: 3" Ø

PUMP SETTING: 24 meters





DISCHARGED: 150 gpm


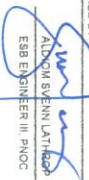


WATER LEVEL DRAWDOWN: 1 meter

OPERATION HR: 24 hours

LAYOUT OF EXISTING DEEP WELL

NTS

<p>OWNER</p>  <p>PNOC ENERGY SUPPLY BASE</p> <p>Manila, Metro Manila 1000, Alabang, Muntinlupa, Marikina, Marikina City 1000, Alabang, Muntinlupa, Marikina, Marikina City www.pnoc.com.ph</p>	<p>PROJECT</p> <p>SUPPLY DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF SUBMERGIBLE PUMP AND MOTOR COMPLETE WITH CABLE AND CONTROL PANEL AND PIPES</p> <p>LOCATION</p> <p>BIGY, MALINDOG, MASIN, BATANGAS</p>	<p>PREPARED BY</p>  <p>ALDON STEVEN LATHROP ESB ENGINEER III, PNOC</p>	<p>CHECKED BY</p>  <p>NINA C. CASADILLA ESB ENGINEER IV, PNOC</p>	<p>APPROVED BY</p>  <p>CARALITO B. PEÑA ESB MANAGER, PNOC</p>	<p>DRAWING NAME</p> <p>ANNEX A</p>	<p>SHEET NO.</p> <p>2</p> <p>DATE</p> <p>30 JUNE 2022</p>
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 PNOC ENERGY SUPPLY BASE <small>Philippine National Oil Corporation 1201 Alabang Road, Alabang, Muntinlupa City 1550 Manila, Philippines 1015 www.pnoc.com.ph</small>	OWNER
	PROJECT
SUPPLY DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF SUPERHEATED STEAM AND MOTOR COMBUSTOR WITH CABLE AND CONTROL PANEL AND PIPE	PREPARED BY
LOCATION	 ALDON SENN LATHAP ESB ENGINEER III PNOC
BRGY MANAYAG, MARINI, BATANGAS	CHECKED BY
	 NINA C. PAGSANJAN ESB ENGINEER IV PNOC
	APPROVED BY
	 CARLO S. PEÑA ESB MANAGER PNOC
	DRAWING NAME
	ANNEX A
	SHEET NO
	1
	2
	DATE
	30 JUNE 2022

VICINITY MAP & GROUND LAYOUT OF PNOC ESB

NTS

