



Procurement Unit

REQUEST FOR QUOTATION (RFQ) No. 508-2019

The Tarlac State University (TSU), through its Bids and Awards Committee (BAC) and Procurement Unit, will undertake an **Alternative Method of Procurement through Negotiated Procurement** for the items stated below, in accordance with Section **53.9 Small Value Procurement of the Revised Implementing Rules and Regulations of Republic Act. No. 9184**.

The TSU hereinafter referred to as "the Buyer", now requests submission of a price quotation for the subject below:

Job Order No.	DESCRIPTION/PARTICULARS	APPROVED BUDGET FOR THE CONTRACT (ABC) inclusive of VAT
2019-135 (FDMO-PMU)	DESIGN SERVICES: PROPOSED CONSTRUCTION OF WATER TREATMENT FACILITY OF LUCINDA CAMPUS	500,000.00
<i>Purpose: DESIGN SERVICES: PROPOSED CONSTRUCTION OF WATER TREATMENT FACILITY OF LUCINDA CAMPUS</i>		

PhilGeps Posting: Active Date: 8/27/19 Category: Consulting Services
 Closing Date: 8/23/19 Reference No.: 6400273

Interested suppliers are required to submit the following documents:

- Valid and Current Mayor's / Business Permit
 Latest Income / Business Tax Return
 Proof of PhilGeps Registration
 Omnibus Sworn Statement
 Brochure, if applicable

TSU Condition of Sale:

1. Delivery Schedule: 30 calendar days from receipt of approved PO/NTP
2. Bid Validity: 120 calendar days from submission of bids
3. Delivery Site: Supply and Property Management Unit, Tarlac State University
(045) 606-8159 / (045) 982-2605
4. Warranty shall be for a period minimum of three (3) months of expandable supplies, or a minimum of one (1) year for non-expandable/services.
supplies/equipment after acceptance by the procuring entity of the delivered supplies/equipment/services.

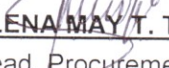
Award of contract shall be made to the bidder with the lowest quotation for the subject goods which comply with the minimum technical specifications and other terms and conditions stated herein.

Any alteration, erasures, or overwriting shall be valid only if they are signed or initialed by the bidder Any alteration, erasures, or overwriting shall be valid only if they are signed or initialed by the bidder or his/her duly authorized representative.

Submission of duly signed Price Quotation Form (Attachment 1) and eligibility documents is not later than 8/23/19 at the Procurement Unit, Admin Building Tarlac State University, Tarlac City. Open submission may be done manually or through email at javy_carlos@yahoo.com / julietelaineacuna@yahoo.com

The penalty for late deliveries is one tenth (1/10) of one (1) percent of the cost of the underperformed portion for every day of delay. The maximum deduction shall be ten percent (10%) of the contract price. Once the cumulative amount of liquidated damages reaches ten (10%) percent of the contract price, the procuring entity shall rescind the contract without prejudice to other courses of action and remedies open to it.

The TSU reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract in accordance with Section 41 of R.A 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.


ELENA MAY T. TEOFILO
 Head, Procurement Unit

PRICE QUOTATION

Date. : 8/13/19
 RFQ No. : 508-2019
 PR/JO No. : 2019-135 (FDMO-PMU)

The Bids and Awards Committee
 c/o Procurement Unit
 TSU, Tarlac City
 (045) 982 -4630 / (045) 606 -8157

Sir / Madam:

After having carefully read and accepted the terms and conditions in the Request for Quotation, hereunder is our price quotation for the item/s identified below:

ITEM NO.	UNIT	ITEM & DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
1	lot	DESIGN SERVICES: PROPOSED CONSTRUCTION OF WATER TREATMENT FACILITY OF LUCINDA CAMPUS SEE ATTACHED TERM OF REFERENCE	1		

Warranty : _____
 The above-quoted price is inclusive of all costs and applicable taxes
 Very truly yours,
 AUTHORIZED REPRESENTATIVE :

Signature : _____
 Printed Name : _____
 Date : _____
 Company Name Registered : _____
 Contact no. : _____
 TIN no. : _____



PRELIMINARY DESIGN AND STUDY
FOR THE
**PROPOSED CONSTRUCTION OF WATER TREATMENT FACILITY OF LUCINDA
CAMPUS**

TERMS OF REFERENCE

I. Project Description

The proposed project is a Construction of Water Treatment Facilities of Lucinda Campus. This is for the endeavor of the university to treat the wastewater of the whole campus before releasing it to the outfall at Masalasa Creek.

II. Conceptual Design

The proposed project shall have 3 phases: Schematic Design Phase, Construction Document Phase and the Construction Phase

The facility shall serve the following purposes:

- Treat the wastewater coming from the campus
- Collected greywater shall be treated and discharged to the outfall
- Collected storm water shall be treated and discharged to the Proposed Reservoir

The objective is to design a facility that would satisfy the following requirement with utmost consideration to simplicity, functionality, environmental sustainability, safety, and economy. Furthermore, the design shall be modular, considering the limited space designated for the facility.

III. The Project Site

1. General



The proposed Construction of Water Treatment Facility is located within the Lucinda Campus, Brgy. Maliwalo-Ungot, Tarlac City. The facility shall be located at rear part of the premises of the Campus.

2. Preliminary Documents to be provided by the University

The following documents will be provided by the University:

- Lucinda Campus Site Development Plan

3. Preliminary Topographic Survey and Mapping

The consultant shall conduct a topographic survey and mapping of the site and shall serve as the reference for accuracy of data that will be used in the design.

The University does not guarantee that the given preliminary data are completely accurate and fully correct. The consultant shall verify all preliminary data given by the university to validate or correct any discrepancies, and shall be responsible for the precision of all data of the project.

IV. Preliminary Investigations

- a) Topography of Site (*Refer to existing Topography and Site Development Plan*)
- b) Line and Grade
- c) Soil Exploration Program/Report (*Required prior to Final Design Approval*)

V. Project Definition

The consultant shall provide a research or study of the expected volume of storm and wastewater that will be generated per building of the campus. All other necessary data that are needed to reinforce the study that will benefit the project shall be gathered and provided by the consultant. Any additional requirements by the University as the end-user shall be considered as part of the design.

The minimum requirements for the physical components of the structure are enumerated hereunder:



- a. Equalization Tank
- b. Sequential Batch Reactor Tank
- c. Aerobic Sludge Digester Tank
- d. Chlorine Contact Tank
- e. Equipment Room
- f. Bar Screen Room
- g. Chlorine Tank Area
- h. Chlorine Dosing Pump
- i. Oil and Grease Tank
- j. Air Compressor
- k. Sludge Holding Tank
- l. Filter Press
- m. Sand Filter
- n. Non-potable Water Tank
- o. Generator and Power House
- p. Installation of Doors and Windows
- q. Ceiling and Painting Works
- r. Collecting Station
- s. Installation of Plastic Septic Vaults

The consultant shall consider in their design the use of reservoir and retention pond.

The consultant shall minimize the damage to be made in the existing buildings and its surroundings as well as limit the removal of existing trees which will lessen the environmental impact in the site.

VI. Performance Specifications and Parameters

- a) Architectural Design
 - i. The architectural design shall be in accordance with the National Building Code of the Philippines including all reference therein.



- ii. Always safeguard air, water and earth by using eco-friendly building materials and construction practices to minimize harmful effects to human health and the environment.
 - iii. Provide stairs and ramps with handrails, ladder rung for all tanks, & steel grating manhole and bar screen area.
 - iv. Water proofing works shall be applied to tank flooring & walls of STF, equalization tank, collecting stations and concrete gutter.
- b) Civil-Structural Design
- i. Reinforced Concrete Structure and Facilities
 1. It shall be in accordance with the latest National Structural Code of the Philippines 2015.
 2. Reinforced Concrete Structure (Independent Moment Resisting Seismic Frame)
- c) Mechanical, Plumbing and Sanitary Design
- i. Fire Protection System includes sprinkler system and interconnection of existing system.
 - ii. Water Supply shall use the existing system including fire protection (as per NFPA requirements).
 - iii. Sanitary PVC Pipes shall be series 1000.
 - iv. Use PPR for water lines.
 - v. Provide septic vaults and use PVC pipes for sanitary and drainage lines.
 - vi. All materials shall be new and conform to the Reference Codes and Standards. If necessary, materials shall be subject to test for their fitness.
 - vii. The Contractor shall furnish all materials, labor, and equipment necessary for the installation of all plumbing fixtures and accessories.
 - viii. Provide pipelines for submersible pumps and blower located at the facility, and for the submersible pumps at the collecting stations.
 - ix. Provide pressure switch, and alarm valve and other valves, and accessories for the mechanical works.
 - x. Provide appropriate hangers and support for pumps and blowers, pipelines, and ducting works. Included also are painting works for the pipelines, ducting, hangers, and supports.



VII. Output

1. Architectural
 - 1.1. Preliminary Design (design proposal for bidding)
 - 1.1.0. Floor Plans,
 - 1.1.1. Perspective
 - 1.1.2. 3D Presentation
 - 1.1.3. Section and Elevation
 - 1.1.4. Outline Specification of 16 Divisions
 - 1.2. Final Design (Revised design for approval by DBC)
 - 1.2.0. Working Drawings (for final checking & approval by DBC)
 - 1.2.0.1. Perspective
 - 1.2.0.2. Site development plan
 - 1.2.0.3. Location map
 - 1.2.0.4. Floor Plans
 - 1.2.0.5. Elevations
 - 1.2.0.6. Sections
 - 1.2.0.7. Reflected Ceiling plans and details
 - 1.2.0.8. Schedule of Doors and Windows
 - 1.2.0.9. Schedule of Finishes
 - 1.2.0.10. Bay/Wall Section
 - 1.2.0.11. Floor Pattern
 - 1.2.0.12. Spot Details
2. Civil-Structural
 - 2.1. Structural Framing Plan (Foundation to Roof)
 - 2.2. Schedule of Footing, Column, Beam and Slab
 - 2.3. Structural Notes, Structural Computations, and Standard Details
3. Mechanical
 - 3.1. Mechanical Layout and Design/Computation
 - 3.2. Fire protection Layout and Design
 - 3.3. Pump details
 - 3.4. Riser diagram



IX. Approved Budget for the Contract and Duration

The schematic design phase, construction document phase and construction phase for the project has an approved budget of Five Hundred Thousand Pesos (Php 500,000.00) and a duration of one ninety (90) calendar days.

X. Criteria for Evaluation

ELIGIBILITY CHECK

The Consultant shall have in its team the following:

- a. A registered Environmental Planner, with experience in community development, a member of the Philippine Institute of Environmental Planner (PIEP).
- b. A registered Architect, with experience in the design of Water Treatment Facilities of a university campus. A bona fide member of the United Architects of the Philippines (UAP) with valid number from an Integrated Accredited Professional Organization of Architects (IAPOA).
- c. A registered Civil engineer, with experience in the design of Water Treatment Facilities of a university campus. A member of the Philippine Institute of Civil Engineers (PICE).
- d. A registered Professional Electrical Engineer, with experience in the power distribution of Water Treatment Facilities of a university campus. A member of the Institute of Integrated Electrical Engineers (IEEE).
- e. A registered Professional Mechanical Engineer, with experience in the design and process of Fire Protection System, HVAC System, and Pumps and Water Treatment Systems of a university campus. A member of the Philippine Society of Mechanical Engineers (PSME).
- f. A registered Sanitary Engineer, with experience in the design and process of Water Treatment Systems of a university campus. A member of the Philippine Society of Sanitary Engineers, Inc. (PSSE).
- g. Design office registered to DTI, Mayor's Permit, BIR.



XI. Process of Evaluation

Quality-Cost Based Evaluation Procedure

1. Weight of Financial Proposal is 40%.
2. Weight of Technical Proposal is 60%.

XII. Scope of Consulting Services

The scope of work to be done by the Consultant as herein authorized by the Client for the design of the Construction of Water Treatment Facilities herein referred to, consists of professional services for the following:

1. Review of Existing Information
2. Data Gathering and Feasibility Study
3. Field Survey and Site Inspection
4. Soils and Materials Specification
5. Architectural Works
6. Civil/Structural Works
7. Mechanical Works
8. Electrical Works
9. Plumbing/Sanitary Works
10. Technical Specifications
11. Cost Estimates
12. Construction Schedule
13. Presentation of Outputs
14. Client Conference
15. Supervision

XIII. Terms of Payment

- 10% payment upon Mobilization
- 15% payment upon the approval of Schematic Design
- 40% payment upon the completion of Construction Documents



- 3.5.Details of Connection
- 3.6.Equipment Schedule
- 3.7.General Notes
- 4. Plumbing and Sanitary
 - 4.1.Plumbing/Waterline/Rainwater/Sanitary layout and design /Isometric/Details of CB/Drainage
- 5. Electrical
 - 5.1.Electrical Layout and Design Analysis
 - 5.2.Schedule of Loads, Single Line/ Riser Diagrams/ Detail of Panel Boards/ Electrical Notes and Specifications/ Legends/ Design Analysis

** Preliminary Design output shall be in graphical representations that consists of all necessary layouts, diagrams and details needed and may use any form of media to properly express and deliver the design proposal to the client*

** Final design output shall be in graphical representations that consists of all necessary layouts, diagrams and details needed that will not create dispute by the time of the construction phase*

- 6. 16 Divisions, 3-part section format Technical Specifications
- 7. Supporting Research/Study for Design Basis
- 8. Detailed Construction Cost Estimates
- 9. E-copies of all output
- 10. 7 Sets Signed and Sealed Contract Documents

VIII. Tender/Bidding Documents, Instructions to Bidders and Conditions of Contract

Refer to BAC Requirements plus additional documents in accordance with the provisions of the revised IRR of RA 9184 section 10 Annex G



30% payment upon the completion Construction Phase divided into three parts:

- 10% payment for the 30% Construction Completed
- 10% payment for the 60% Construction Completed
- 10% payment for the 100% Construction Completed

10% Retention shall be taken from each billing

XIV. Consultant's Basic Services

The Consultant's Basic Services shall consist of the following:

I. SCHEMATIC DESIGN PHASE

a. The Consultant shall consult with the client to ascertain the requirements of the Project and shall officially confirm such requirements to the client.

b. Site Analysis

This entails the formulation of site criteria, assistance to the Client in site evaluation as well as analysis for proper orientation of facilities and to take advantage of the site features.

c. Site Utilization and Land Use Studies

The detailed analysis of the site involves the site's development potentials through the proper utilization of land. The analysis covers the context of the site as well as that of its surrounding environment and development controls that apply to the site and its environs.

d. The Consultant shall prepare the Schematic Design Studies and gather all needed data leading to a recommended solution together with a general description of the project for approval by the Client.

e. The Consultant shall prepare the initial Specifications and Probable Construction Cost of the Project for review and approval of the client.



LUCINDA CAMPUS SITE DEVELOPMENT PLAN
 SCALE: 1:1500 METERS

- 1- COVERED COURT
- 2- AUDITORIUM
- 3- HOSTEL
- 4- GATE
- 5- NSIP BLDG.
- 6- BRIMNOLOGY BLDG.
- 7- CHAPEL
- 8- ALUMNI BLDG.
- 9- GATE
- 10- RICE BLDG.
- 11- CENTER FOR WIKANG FILIPINO
- 12- NSIP BLDG.
- 13- CWTS BLDG.
- 14- CLINIC
- 15- CANTEEN
- 16- LIBRARY
- 17- RED BLDG.
- 18- ACAD.
- 19- COOS BLDG.
- 20- STUDENT CENTER
- 21- TLE BLDG.
- 22- ADMIN BUILDING
- 23- NSIP BLDG.
- 24- FOOD TECH.
- 25- WAREHOUSE
- 26- MRF
- 27- RETENTION POND W/ GAZEBO
- 28- SWIMMING POOL
- 29- RESERVIOR



EDMO
 Facilities Development and Management Office
 Tarlac State University, Lucinda Campus

PROJECT TITLE: PROPOSED CONSTRUCTION OF WATER TREATMENT FACILITY
 PROJECT LOCATION: TARLAC STATE UNIVERSITY, LUCINDA CAMPUS

RECOMMENDING APPROVAL: ENGR. EVAN M. LAVUG, PH.D. HEAD

RECOMMENDING APPROVAL: AR. GERARDO S. VALENCIA, TOWN DIRECTOR

RECOMMENDING APPROVAL: DR. GERARDO T. MABRIGAS, VP ADV. AND FINANCE

APPROVED: DR. MYRNA D. MALLARI, PRESIDENT

CHECKED: AR. CHERYL L. FABIANES, ASST. TO PRESIDENT
 PREPARED: AR. WILSON Z. BRAGE

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PhilGEPS

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Procurement Opportunities

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Bid Notice Abstract

Request for Quotation (RFQ)

Reference Number 6400273
Procuring Entity TARLAC STATE UNIVERSITY
Title Design Services: Proposed Construction of Water Treatment Facility of Lucinda Campus
Area of Delivery Tarlac

Solicitation Number:	508-2019	Status	Pending
Trade Agreement:	Implementing Rules and Regulations	Associated Components	5
Procurement Mode:	Negotiated Procurement - Small Value Procurement (Sec. 53.9)	Bid Supplements	0
Classification:	Consulting Services	Document Request List	0
Category:	Consulting Services	Date Published	17/08/2019
Approved Budget for the Contract:	PHP 500,000.00	Last Updated / Time	16/08/2019 11:30 AM
Delivery Period:	30 Day/s	Closing Date / Time	23/08/2019 13:00 PM
Client Agency:			
Contact Person:	Juliet Elaine Acuna Canvasser Romulo Blvd. Tarlac City Tarlac Philippines 2300 63-045-6068157 julietelaineacuna@yahoo.com		
Description			
For FDMU-PMU use.			
Line Items			
Item No.	Product/Service Name	Description	Quantity UOM Budget (PHP)
1	Design Services	Proposed Construction of Water Treatment Facility of Lucinda Campus	1 Lot 500,000.00
Other Information			
The bidders must download the attached documents in the associated components section.			

Created by Juliet Elaine Acuna

Date Created 16/08/2019

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