



West Visayas State University

(Formerly Iloilo Normal School)

Bids and Awards Committee Secretariat Office/ Procurement Section
Luna St., La Paz, Iloilo City 5000
Iloilo, Philippines

* Trunkline: (063) (033) 320-0870 loc1103/1104 * Telefax No.: (033) 320-0879
* Website: www.wvsu.edu.ph * Email Address: bac@wvsu.edu.ph



Invitation to Prospective Bidders

Project Title: **Improvement and Upgrading of Potable Water Supply and Reuse of Wastewater under Section 53.1 (Two Failed Biddings)**

RFQ No. **SBAC 22-03**

Date: **July 19, 2022**

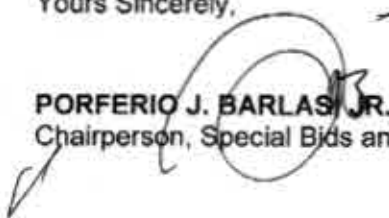
Dear _____,

This is to bring into your attention that West Visayas State University is inviting contractors for the **Improvement and Upgrading of Potable Water Supply and Reuse of Wastewater** and would like to request a quotation for the said project with the attached Bill of Quantities (BOQ). We would appreciate the submission of your quotation (best offer) on or before **August 9, 2022 at 1:30 P.M.** for consideration.

Please submit your accomplished Request for Quotation (RFQ) and requirements before the mentioned deadline.

Enclosed is the schedule, copy of the request for quotation (RFQ) and checklist of requirements.

Yours Sincerely,

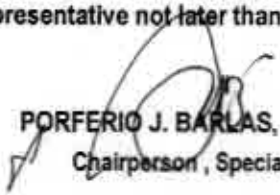

PORFERIO J. BARLAS, JR., Ph.D.
Chairperson, Special Bids and Awards Committee

Republic of the Philippines
WEST VISAYAS STATE UNIVERSITY
 La Paz, Iloilo City
 MAIN CAMPUS

REQUEST FOR PRICE QUOTATION

Date: July 19, 2022
 Quotation No.: SBAC 22-03
 Based on P.R. 21-10-261
 Enduser: WVSUMC-PPMDO
 ABC: 13,800,000.00
 Mode: Section 53.1 (Two Failed Biddings)

Please quote your lowest price on the item/s listed below, subject to the General Conditions provided stating the shortest time of delivery and submit your quotation duly signed by your representative not later than _____ in a sealed envelope.


PORFERIO J. BARLAS, JR., Ph.D.
 Chairperson, Special BAC

NOTE:

1. All entries must be written in legible ink and if there are erasures the same should bear the initial of the authorized signatory.
2. Completion of the works is required **One hundred fifty (150) Calendar Days.**
3. Please see attached checklist of requirements to be attached/ submitted/ included upon submission of the quotation.

Item No.	Articles/Description	Brand	Model	ABC/Unit Price	Unit	Qty.	Unit Price	Total Cost
	Improvement and Upgrading of Potable Water Supply and Reuse of Wastewater			13,800,000.00	Lot	1		
	Please see attached Bill of Quantities (BOQ)							

Voucher _____

Acclg. _____

Price Validity: _____

After having carefully read and accepted your General Conditions, I/We quote you on the item at prices noted above.

 Printed Name/Signature of Supplier

 Date/Tel. No./Cellphone No. / ADDRESS

 TIN Number

 Philgeps Registration Number

CANVASSED BY: _____



West Visayas State University

(Formerly Iloilo Normal School)

Bids and Awards Committee Secretariat Office/ Procurement Section
Luna St., La Paz, Iloilo City 5000
Iloilo, Philippines

* Trunkline: (063) (033) 320-0870 loc1103/1104 * Telefax No.: (033) 320-0879
* Website: www.wvsu.edu.ph * Email Address: bac@wvsu.edu.ph



IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER under Section 53.1 (Two Failed Biddings) RFQ NO: SBAC 22-03

- Approved budget for the Contract (ABC) is **Thirteen Million Eight Hundred Thousand Pesos (PhP 13,800,000.00) Only.**
- Negotiation will be on **July 28, 2022; 10:00 A.M.** at the BAC Secretariat Office, 2nd Floor Dormitory Building, WVSU Medical Center, Jaro, Iloilo City and through videoconferencing or webcasting via zoom, to discuss requirements, guidelines and documents;
- Submission and opening of the best and final offer will be on **August 9, 2022, 1:30 P.M.** at the BAC Secretariat Office, 2nd Floor Dormitory Building, WVSU Medical Center, Jaro, Iloilo City and through videoconferencing or webcasting via zoom;
- Bidders may secure complete set of documents at the BAC Secretariat Office, 2nd Floor Dormitory Building, WVSU Medical Center, E. Lopez St., Iloilo City;
- Attached is the complete set of documents
- Bids must be duly received by the BAC Secretariat through **(i) manual submission at the office address as indicated above, ii) online or electronic submission as indicated below, or (iii) both** on or before **August 9, 2022 1:30 P.M.** For online submission, please email your documents to mc-bacproc@wvsu.edu.ph.

Requiring the Bidders to submit their bids using a two-factor security procedure consisting of an archive format compression and password protection with separate password for technical and financial component envelope and disclose the password for accessing their respective bid submission only during the actual bid opening.

- Bidders rated as LCRB/ SCRB and receive the Notice of Award (NOA) are required to submit performance security in any of the following forms:

Form of Performance Security	Amount of Performance Security (Not less than the Percentage of the Total Contract Price)
(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. <i>For biddings conducted by the LGUs, the Cashier's/Manager's Check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i>	Ten percent (10%)
(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. <i>For biddings conducted by the LGUs, Bank Draft/Guarantee, or Irrevocable Letter of Credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i>	
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Thirty percent (30%)

- For further information, please refer to:

JULIUS L. JUANITO
Head, BAC Secretariat
WVSU Medical Center
E. Lopez St., Jaro, Iloilo City
Tel. No. 320-2431 local 224/153

PORFERIO J. BARLAS, JR., Ph.D.
Chairperson, Special Bids and Awards Committee

PHILIPPINE BIDDING DOCUMENTS
(As Harmonized with Development Partners)

**Procurement of
INFRASTRUCTURE
PROJECTS**

Government of the Republic of the Philippines

1902

RFQ No. SBAC22-03

***IMPROVEMENT AND UPGRADING OF POTABLE
WATER SUPPLY AND REUSE OF WASTEWATER
(under Section 53.1 (Two-Failed Biddings))***

PhP 13,800,000.00

**Sixth Edition
July 2020**

Section VIII. Bill of Quantities

Contract Reference Number: **RFO No. SBAC 22-03**

Name of the Contract: **Improvement and Upgrading of Potable Water Supply and Reuse of Wastewater**
(under Section 53.1 (Two-Failed Biddings))

Location of the Contract: **West Visayas State University Medical Center**

Calendar Days: **150 calendar days**



Section VIII. Bill of Quantities



WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER

E. Lopez St., Jaro, Iloilo City

"PhilHealth Accredited Health Care Provider"

Tel No. (033) 328 2811 Fax No. (033) 328 2837 Email Address: medcenter@wvsu.edu.ph



BILL OF QUANTITIES

IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

Location: WVSU Medical Center, E. Lopez St, Jaro, Iloilo City

ITEM No.	DESCRIPTION	QTY/UNIT	UNIT COST			TOTAL COST
			CEILING COST	IN WORDS	IN FIGURES	
A.	CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL DISTRIBUTION OF WATER SUPPLY SYSTEM					
1.0	GENERAL REQUIREMENTS AND SITEWORKS					
	1.1 Enclosure Protection, Signboards, Warning Safety Signages	1.00 lot	105,000.00			
	1.2 Permits and Clearances	1.00 lot	36,750.00			
	1.3 Clearing, Removal and Disposal of Debris	1.00 lot	63,000.00			
	1.4 Structure Excavation, Dewatering, Gravel Bedding and Back Filling Works	1.00 lot	261,273.60			
2.0	REINFORCED CONCRETE WORKS					
	2.1 Reinforced Concrete Walls including Plastering and Waterproofing	31.59 cu.m.	599,240.88			
	2.2 Reinforced Concrete Top and Bottom Slab including Waterproofing	55.36 cu.m.	715,130.64			
3.0	STEEL METAL WORKS					
	3.1 Man Hole Cover and Stainless Ladder	1.00 lot	421,848.00			
4.0	PUMPS AND ACCESSORIES					
	4.1 Various Vertical and Drive Pumps	1.00 lot	1,549,647.54			
5.0	ELECTRICAL WORKS					
	Subtotal		3,800,000.00			
B.	DESIGN AND BUILD OF WASTEWATER TREATMENT PLANT					
1.0	SUPPLY OF EQUIPMENT AND MATERIALS BASED ON THE DESIGN SPECIFICATIONS OF THE SYSTEM INCLUDING ALL REQUIRED ACCESSORIES AND POWER PANEL	1.00 lot	7,106,598.98			
2.0	SYSTEM INSTALLATION	1.00 lot	1,624,365.48			
3.0	TESTING AND COMMISSIONING OF THE DESIGN SYSTEM	1.00 lot	355,329.95			
4.0	DELIVERY OF EQUIPMENT/MATERIALS FROM POINT OF ORIGIN TO PROJECT SITE	1.00 lot	507,614.21			

Section VIII. Bill of Quantities



WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER

E. Lopez St., Jaro, Iloilo City

"PhilHealth Accredited Health Care Provider"

Tel. No. (034) 330-3431 Fax No. (034) 330-3421 Email Address: medcenter@wvsu.edu.ph



IAS #17



BILL OF QUANTITIES

IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

Location: WVSU Medical Center, E. Lopez St, Jaro, Iloilo City

5.0	SAFETY REQUIREMENTS DURING INSTALLATION, TESTING AND COMMISSIONING	1.00 lot	101,522.84			
6.0	REQUIRED PERMITS AS APPLICABLE	1.00 lot	101,522.84			
7.0	TRAINING OF TECHNICIANS, OPERATORS AND ENGINEERS	1.00 lot	101,522.84			
8.0	EFFLUENT TESTING AND COMMISSIONING	1.00 lot	101,522.84			
	Subtotal		10,000,000.00			
	Total Bid Price in Figures					
	Total Bid Price in Words					

Submitted by:

Name and Signature of Bidder/Bidder's Representative

Date

Position

Name of Bidder

Address

**SUMMARY OF ESTIMATES****IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER**Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**

Note: This form must be completely filled-up and part of the Financial Proposal

ITEM No.	DESCRIPTION	MATERIAL COST	LABOR COST and EQUIPMENT COST	TOTAL DIRECT COST	TOTAL INDIRECT COST	TOTAL COST
A.	CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL PIPELINE DISTRIBUTION OF WATER SUPPLY SYSTEM					
1.0	GENERAL REQUIREMENTS AND SITEWORKS					
	1.1 Enclosure Protection, Signboards, Warning Safety Signages					
	1.2 Permits and Clearances					
	1.3 Clearing, Removal and Disposal of Debris					
	1.4 Structure Excavation, Dewatering, Gravel Bedding and Back Filling Works					
2.0	REINFORCED CONCRETE WORKS					
	2.1 Reinforced Concrete Walls including Plastering and Waterproofing					
	2.2 Reinforced Concrete Top and Bottom Slab including Waterproofing					
3.0	STEEL METAL WORKS					
	3.1 Man Hole Cover and Stainless Ladder					
4.0	PUMPS AND ACCESSORIES					
	4.1 Various Vertical and Drive Pumps					
5.0	ELECTRICAL WORKS					
B.	DESIGN AND BUILD OF WASTEWATER TREATMENT PLANT					
1.0	SUPPLY OF EQUIPMENT AND MATERIALS BASED ON THE DESIGN SPECIFICATIONS OF THE SYSTEM INCLUDING ALL REQUIRED ACCESSORIES AND POWER PANEL					
2.0	SYSTEM INSTALLATION					
3.0	TESTING AND COMMISSIONING OF THE DESIGN SYSTEM					
4.0	DELIVERY OF EQUIPMENT/MATERIALS FROM POINT OF ORIGIN TO PROJECT SITE					
5.0	SAFETY REQUIREMENTS DURING INSTALLATION, TESTING AND COMMISSIONING					



SUMMARY OF ESTIMATES

IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**

6.0	REQUIRED PERMITS AS APPLICABLE					
7.0	TRAINING OF TECHNICIANS, OPERATORS AND ENGINEERS					
8.0	EFFLUENT TESTING AND COMMISSIONING					

Submitted by:

Name and Signature of Bidder/Bidder's Representative

Date

Position

Name of Bidder

Address



Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**
Note: Absence of these documents in the Financial Envelope shall disqualify the bidder
FOR LABOR RATES & EQUIPMENT RENTAL
(This should be completely filled-up and part of Financial Proposal)

SCOPE OF WORK/MATERIALS	Unit Cost	REMARKS
A. CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL PIPELINE DISTRIBUTION OF WATER SUPPLY SYSTEM		
1.1 Enclosure Protection, Signboards, Warning Safety		Unit Cost is in Lot
1.2 Permits and Clearances		Unit Cost is in Lot
1.3 Clearing, Removal and Disposal of Debris		Unit Cost is in Lot
1.4 Structure Excavation, Dewatering, Gravel Bedding and		Unit Cost is in Lot
2.1 Reinforced Concrete Walls including Plastering and Waterproofing		Unit Cost for Labor is in cubic meter or percentage of material cost
2.2 Reinforced Concrete Top and Bottom Slab including Waterproofing		Unit Cost for Labor is in cubic meter or percentage of material cost
3.1 Man Hole Cover and Stainless Ladder		Unit Cost for Labor is in percentage of material cost or per lot
4.1 Various Vertical and Drive Pumps		Unit Cost for Labor is in lot
		Unit Cost for Labor is in percentage of material cost or per lot
MANPOWER	MAN DAYS COST/DAY	REMARKS "COMPLY"
1 Project/Site Engineer		
2 Construction Safety Officer		
3 Materials Quality Control Officer		
4 Professional Mechanical Engineer		
5 Construction Foreman		
6 Carpenter		
7 Welder		
8 Mason		
9 Electrician		
10 Plumber		
11 Document Controller and Records Keeper		
12 Draftsman		
13 Steel Man		
EQUIPMENT	RENTAL RATE PER DAY OR PER HOUR	REMARKS "COMPLY"
1 Concrete Mixer (1 Bagger)		
2 Backhoe Crawler 0.75 cu.m.		



Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**
Note: Absence of these documents in the Financial Envelope shall disqualify the bidder
FOR LABOR RATES & EQUIPMENT RENTAL
(This should be completely filled-up and part of Financial Proposal)

3 Dump Truck 8.00 cu.m.		
4 Centrifugal Pump		
5 Welding Machine		
6 Power Tools		

Note: Provide additional sheets if needed

Submitted by:

Name of the Representative of the Bidder

Position

Name of the Bidder



IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**

Note: Absence of these documents in the Financial Envelope shall disqualify the bidder

MATERIALS SUMMARY SHEETS

(This should be completely filled-up and part of Financial Proposal)

SCOPE OF WORK/MATERIALS	Unit Cost	SPECIFICATION/BRAND	REMARKS "COMPLY"
A. CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL PIPELINE DISTRIBUTION OF WATER SUPPLY SYSTEM			
Coarse Aggregates Passing 1" Sieve			
Compacted Fill			
2.1 Reinforced Concrete Walls including Plastering and Materials			
40 kgs. Portland Cement Type II 150			
Fine Aggregates (passing 1/4" sieve)			
Coarsed Aggregates (passing 1" sieve)			
12mm x 7.50m Deformed Bars (Grade 40)			
12mm x 6.00m Deformed Bars (Grade 40)			
Waterproofing Compound			
#16 G.I. Tie Wire			
6mmx1.2mx2.4m Marine Plywood (3 uses)			
2"x3"x10' Form Lumber			
Assorted Common Wire Nails			
2.2 Reinforced Concrete Top and Bottom Slab including Waterproofing			
40 kgs. Portland Cement Type II 150			
Fine Aggregates (passing 1/4" sieve)			
Coarse Aggregates (passing 1" sieve)			
12mm x 7.50m Deformed Bars (Grade 60)			
12mm x 6.00m Deformed Bars (Grade 60)			
12mm x 6.00m Deformed Bars (Grade 40)			
12mm x 6.00m Deformed Bars (Grade 40)			
Waterproofing Compound			
#16 G.I. Tie Wire			
6mmx1.2mx2.4m Marine Plywood (3 uses)			
2"x3"x10' Form Lumber			
Assorted Common Wire Nails			
3.1 Man Hole Cover and Stainless Ladder			
600mm Dia Manhole With Cover Brass 10 Tonner Capacity			
Stainless Steel Ladder 2" Pipe Frame with Bracket			
4.1 Various Vertical and Drive Pumps			



IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

Location: WVSU Medical Center, E. Lopez St, Jaro, Iloilo City

Note: Absence of these documents in the Financial Envelope shall disqualify the bidder

MATERIALS SUMMARY SHEETS

(This should be completely filled-up and part of Financial Proposal)

SCOPE OF WORK/MATERIALS	Unit Cost	SPECIFICATION/BRAND	REMARKS "COMPLY"
VERTICAL MULTISTAGE PUMP Materials: Stainless steel casing and impeller, mechanical shaft seal Flow range: 23 – 79 GPM Head range: 185 ~ 87 meters TDH Suction & Discharge: 2" (50mm) X 2" (50mm) Motor Output: 7.5kW (10 HP), 3450 RPM, 230V, 3 phase TEFC motor. Insu class F; Specific design IE3/60Hz; 2 poles; 3515 rpm; IP65; Pump Materials-AISI 304 Impeller/Casing/Shaft			
Variable Frequency Drive pump controller with alternate operation capability			
Oil filled pressure gauge; Scales are in both bar and psi, Accuracy class is DIN 16 005; 10 bar Maximum Pressure Measurement, Pressure Gauge Type Bottom Entry, Stainless steel case; Connection size G1/4			
Pressure Transducer 0-10 bar, 4-20mA signal, 0-30VDC supply			
2"- Foot Valve, Brass Type			
Gate Valve 2-inches, Brass			
Check Valve 2 -inches, Brass			
Gate valve 2-inches			
119-130 gal steel pressurize bladder tank			
Rubber expansion joint 2-inches			
2 inches suction line strainer			
4-inches BI pipe Sch 40			
2-inches BI pipe Sch 40			
1 1/4-inches BI pipe Sch 40			
1 1/4-inches gate valve			
Flange, bolts, Fittings & Miscellaneous			
20mm Metal Conduit			
5.5 sq mm x 150m/box THHN Cu conductor			
5.5 sq mm x 150m/box THHN Cu conductor			
50 sq mm Cu Conductor 99.99% Virgin Materials			
Panel: Main 150AT, 3Phase, 240V, 60Hz, 18kAIC, 6 branches w/ 30AT, 3 Phase, 240V, 60Hz, 10kAIC each			

Name of the Representative of the Bidder

Position

Name of the Bidder

**SCOPE OF WORK and DIGEST TECHNICAL SPECIFICATIONS****IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER****A. CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL PIPELINE DISTRIBUTION OF WATER SUPPLY SYSTEM**Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**

ITEM No.	DESCRIPTION	QTY/UNIT	TECHNICAL SPECIFICATIONS	SCOPE OF WORK
1.0	GENERAL REQUIREMENTS AND SITEWORKS			
	1.1 <i>Enclosure Protection, Signboards, Warning Safety Signages</i>	1.00 lot	Provide Construction and Occupational Safety and Health Program Materials in all aspects of construction	Provision of protective fence or enclosure, PPEs for construction personnel, temporary office, safety signages, billboards
	1.2 <i>Permits and Clearances</i>	1.00 lot	The Contractor shall be responsible to process the necessary permits and licenses intended for the project in coordination with the authorized personnel of the Medical Center	Local permits and other related requirements
	1.3 <i>Clearing, Removal and Disposal of Debris</i>	1.00 lot	Secure approval of materials to be disposed prior to transport	All demolished materials and debris on site
	1.4 <i>Structure Excavation, Dewatering, Gravel Bedding and Back Filling Works</i>	1.00 lot	Ensure excavation of materials are properly removed, stored and disposed accordingly, provide correct staking of excavation layout; the use of heavy excavation equipment is preferred for faster excavation works	Refer to structural plan for correct depth of excavation
			Use appropriate dewatering pumps in case of high water table. Use appropriate compactor during filing of soil. The compacted fill is to be made with dry gravel soil material that can be easily compacted yet strong enough for foundation base	In case of high water table during excavation and gravel bedding. Refer to structural plan for the elevation of compacted back fill or as approved by the Engineer
2.0	REINFORCED CONCRETE WORKS			
	2.1 <i>Reinforced Concrete Walls including Plastering and Waterproofing</i>	31.59 cu.m.	A concrete permit must be secured, and structural members have to be inspected and approved by the Engineer prior to concrete pouring.	Refer to structural design and plan
	2.2 <i>Reinforced Concrete Top and Bottom Slab including Waterproofing</i>	55.36 cu.m.	The concrete mixture must be reached at 4000 psi after a curing period of 28 days, submit samples (7, 14 and 28 days) for each structural member	
3.0	STEEL METAL WORKS			



SCOPE OF WORK and DIGEST TECHNICAL SPECIFICATIONS

IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

A. CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL PIPELINE DISTRIBUTION OF WATER SUPPLY SYSTEM

Location: **WVSU Medical Center, E. Lopez St, Jaro, Iloilo City**

	3.1 Man Hole Cover and Stainless Ladder	1.00 lot	Eight (8) units 600mm Dia Manhole With Cover Brass 10 Tonner Capacity	See Layout Plan
			Eight (8) units Stainless Steel Ladder 2" Pipe Frame with Bracket	
4.0 PUMPS AND ACCESSORIES				
	4.1 Various Vertical and Drive Pumps	1.00 lot	Six (6) units VERTICAL MULTISTAGE PUMP Materials: Stainless steel casing and impeller, mechanical shaft seal Flow range: 23 ~ 79 GPM Head range: 185 ~ 87 meters TDH Suction & Discharge: 2" (50mm) X 2" (50mm) Motor Output: 7.5kW (10 HP), 3450 RPM, 230V, 3 phase TEFC motor. Insu class F; Specific design IE3/60Hz; 2 poles; 3515 rpm; IP65; Pump Materials-AISI 304 Impeller/Casing/Shaft	See Layout Plan and Detail
			Three (3) sets Variable Frequency Drive pump controller with alternate operation capability	
			Three (3) pcs Oil filled pressure gauge; Scales are in both bar and psi, Accuracy class is DIN 16 005; 10 bar Maximum Pressure Measurement; Pressure Gauge Type Bottom Entry; Satinless steel case; Connection size G1/4	
			Three (3) Pressure Transducer 0-10 bar; 4-20mA signal, 0-30VDC supply	
		6 pcs	2"- Foot Valve, Brass Type	
		12 pc	Gate Valve 2-inches, Brass	
		6 pc	Check Valve 2 -inches, Brass	
		5 pc	Gate valve 2-inches	
		3 unit	119-130 gal steel pressurize bladder tank	
		12 pc	Rubber expansion joint 2-inches	
		6 pc	2 inches suction line strainer	
		1 le	4-inches BI pipe Sch 40	
		4 le	2-inches BI pipe Sch 40	
		3 le	1 1/4-inches BI pipe Sch 40	



SCOPE OF WORK and DIGEST TECHNICAL SPECIFICATIONS IMPROVEMENT AND UPGRADING OF POTABLE WATER SUPPLY AND REUSE OF WASTEWATER

A. CONSTRUCTION OF UNDERGROUND STORAGE, HORIZONTAL AND VERTICAL PIPELINE DISTRIBUTION OF WATER SUPPLY SYSTEM

Location: WVSU Medical Center, E. Lopez St, Jaro, Iloilo City

		6 pc	1 1/4-inches gate valve	
		1 lot	Flange, bolts, Fittings & Misc.	
5.0	ELECTRICAL WORKS		Motor Circuits, conduits, wiring, & accessories, Main Industrial Panel Board must be approved by the Engineer prior to installation	See Layout Plan

Section VI. Specifications

**TERMS OF
REFERENCE
(TOR)**

Government of the Republic of the Philippines

Project: : Improvement/Upgrading of Potable Water
Supply and Reuse of Wastewater

Location : **WEST VISAYAS STATE UNIVERSITY
MEDICAL CENTER**
E. Lopez St, Jaro, Iloilo City

**Procuring
Entity** : **WEST VISAYAS STATE UNIVERSITY
MEDICAL CENTER**

Section VI. Specifications

TERMS OF REFERENCE

Improvement/Upgrading of Potable Water Supply and Reuse of Wastewater

A. Background and Rationale

In a teaching training third level three hundred (300) bed capacity hospital like the West Visayas State University Medical Center, a sustainable infrastructure support services must also be in line with the growing demands of the community.

With more additional buildings and expansion of specialty services like the Cancer Center, the new Emergency Complex and other services, and the operation of highly complex medical equipment like the Linear Accelerator, MRI and CT Simulator, the projected increase in demand for health care and well-being of its constituents is anticipated.

For water supply services, at present there are only a total of 75,520 liters of storage capacity for potable water at a given time. The projected demand for the University Medical Center is 189,750 liters per day. Thus a need for additional water storage to cater the increased demand of the medical center.

With the anticipated increase of wastewater generated due to increase water demand from various buildings, upgrading of waste water treatment plant of the Medical Center is also of equal importance in ensuring protection of our bodies of water either underground or surface type. At present, there is an existing wastewater plant situated at the rear most part of the medical center with a total capacity of 150 to 200 cubic meter servicing only the old main buildings such the Main Annex, C UP and A Up Building with an average effluent discharge of 150 cubic meters per day. Putting up another waste water treatment plant with an influent capacity of 75 cubic meters per day to serve the newly upgraded and expanded buildings such as the five story OPD Complex, Cancer Center and New ER Complex is very necessary. In addition to that are the new effluent standards to be complied by wastewater being generated as per amended required effluent parameters prescribed in DAO 2016-008 and the latest DAO 2021-019 of the DENR Water Quality Guidelines (WQG) and General Effluent Standards (GES) for Selected Parameters.

B. Objective

To negotiate for the procurement of Improvement/Upgrading of Potable Water Supply and Reuse of Wastewater in order to address the increasing demand of water supply needs of the hospital and establish an effective treatment and reuse of wastewater discharge in support to environmental protection.

C. Project Requirements

- a. Construction of underground storage for potable water supply to include all its pump driven vertical and horizontal distribution pipe line provision from source of water in accordance to the latest structural and plumbing codes of the Philippines.**
- b. Establishment of a wastewater treatment plant to include all its required**

Section VI. Specifications

mechanical, electrical, plumbing and civil works in compliance to the required DENR standards for effluent discharge parameters

D. Conceptual Design/Project Components

The **first component** of the project calls for the **provision of materials, labor and equipment for the construction of four (4) units of underground water storage with a net volume capacity of 43.00 cubic meter each. (see attached plans)**. Also included in the reinforced concrete works are manhole covers and stainless ladders, and various vertical pumps and electrical support works. (See Bill of Quantities, Summary of Materials, and Materials Specifications).

The **second component of the project involves design and construction of a wastewater treatment plant having a minimum influent design capacity of Seventy-Five (75) Cubic Meters (cu.m.) per day**. Treated wastewater shall pass the latest DENR Administrative Order (DAO) pertaining to water quality guidelines and general effluent standards specific for industries such hospitals and other related facilities enumerated below:

1) Color, 2) Temperature, 3) pH, 4) BOD, 5) Total Suspended Solids, 6) Fecal Coliform, 7) Ammonia, 8) Nitrate as NO₃N, 9) Phosphate, 10) Oil and Grease, 11) Surfactants (MBAS) and 12) Other effluent standards as may be prescribed by the latest DAO that is applicable to hospitals.

The design of Wastewater Treatment Plant is preferably an underground system to maximize the limited space of the hospital and will serve major buildings of such as the Three (3) story Cancer Center, Five (5) story OPD Complex, Two (2) Story ER Complex. (see attached WVSUMC Site Development Plan)

The septic tanks of the abovementioned buildings will serve as major effluent outlets of the proposed wastewater treatment plant. (see plan of septic tank locations).

Electrical devices, panels and wires are completely installed and compatible with the existing main power supply of 230 to 240V,60 hertz, three phase.

Electrical devices, panels and wires of the wastewater treatment plant will be tapped to the existing back up power supply or generator of the Medical Center in case of power interruption and can also be tapped to an alternative renewable energy such as solar power.

E. Scope or Deliverables for Underground Water Storage and Accessories

a. Pre-Construction Phase

The documents to be secured shall include but not limited to the following:

- a. Permits and clearances as prescribed by regulatory agencies.
- b. Project Construction Schedule in real time with corresponding S Curve and Manpower Schedule

Section VI. Specifications

- c. Construction safety and Occupational Health Program duly approved by DOLE.
- d. Technical documents as required of the IRR of RA 9184 Procurement Act of the Philippines

b. Construction/Installation Phase

- a. All works shall be in accordance with the Structural and Plumbing Code of the Philippines, RA 9184 and other laws and regulations covering environmental concerns and local ordinances and regulations.
- b. All safety standards and guidelines prescribed by Department of Labor and Employment must be observed during project implementation.
- c. Progress billings will be processed in accordance with the existing documentary requirements prescribed by the implementing unit.

c. Post Construction Phase

- a. Final billing will be processed in accordance with the existing documentary requirements prescribed by the implementing unit.
- b. Project turn over shall be in accordance with IRR of RA 9184 contract implementation.

F. Scope or Deliverables for Wastewater Treatment Plant

a. Pre-Construction Phase

1. Complete detailed design of the wastewater treatment system based on the approved plans, schematic diagrams and design parameters including any revisions and refinements as required.
2. Treatment process and its attached documents prescribed by the DENR that will show efficiency of the process and must be signed and sealed by designing Engineer.
3. Volume of wastewater computation signed and sealed by designing Engineer.
4. Structural design (if any) with all design parameters of structural members shall be in accordance to the latest edition of the National Structural Code of the Philippines.
5. Detailed Cost Estimates or Unit Price Analysis of all applicable unit prices using current cost indices, rental rates, labor rates and other related thereto.
6. Technical Specifications describing type and quality of materials and equipment to be used, manner of construction and the general conditions under which the project is to be constructed.

Section VI. Specifications

7. Permits and clearances as prescribed by regulatory agencies.
8. Project Construction Schedule in real time with corresponding S Curve and Manpower Schedule.
9. Construction safety and Occupational Health Program duly approved by DOLE.
10. Technical documents as required of the IRR of RA 9184 Procurement Act of the Philippines

b. Construction/Installation Phase

As a rule, contract implementation guidelines for procurement of infrastructure projects shall comply with Annex "E" and guidelines for the implementation of contracts for DESIGN AND BUILD infrastructure projects shall comply with Annex "G" of IRR, RA 9184. The following provisions shall supplement these procedures:

1. The contractor shall commence work upon issuance of the necessary permits for the project. The work execution shall be in accordance with reviewed and approved documents.
2. The contractor shall be responsible for obtaining all necessary information as to risks, contingencies and other circumstances which may affect the works and shall prepare and submit all necessary documents specified by the Building Official to meet all regulatory approvals as specified in the contract documents.
3. The contractor shall submit a detailed program of works within fourteen (14) calendar days after the issuance of the Notice to Proceed for approval by the procuring entity that shall include, but will not be limited to:
 - a. The order in which it intends to carry out the work including anticipated timing for each stage of detailed planning and construction with Construction Schedule and S-Curve;
 - b. Periods for review of specific outputs and any other submissions and approvals;
 - c. Sequence of timing for inspection and tests;
 - d. General description of the design and construction methods to be adopted;
 - e. Number and names of personnel to be assigned for each stage of the work;
 - f. List of equipment required on site for each stage of the work; and
 - g. Description of the quality control system to be utilized for the project.
4. Any errors, omissions, inconsistencies, inadequacies or failure submitted by the contractor that do not comply with the requirements shall be rectified, resubmitted and reviewed at the contractor's cost. If the contractor wishes to modify and design or document which has been previously submitted, reviewed and approved, the contractor shall notify the Procuring Entity within a reasonable period of time and shall shoulder the cost of such changes.
5. As a rule, changes in design and construction requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract

Section VI. Specifications

signing and approval. The following guidelines shall govern approval for change or variation orders:

- a. Change Orders resulting from design errors, omissions or non-conformance with the performance specifications and parameters and the contract documents by the contractor shall be implemented by the contractor at no additional cost to the Procuring Entity
 - b. Provided that the contractor suffers delay and/or incurs costs due to changes or errors in the Procuring Entity's performance specifications and parameters, the contractor shall be entitled to either one of the following:
 1. An extension of time for any such delays under Section 10 of Annex "E" of IRR (RA 9184); or
 2. Payment for such costs as specified in the contract documents, provided, that the cumulative amount of the variation order does not exceed ten percent (10%) of the original project cost.
 - c. The contract documents shall include the manner and schedule of payment specifying the estimated contract amount and installments in which the contract will be paid.
 - d. The contractor shall be entitled to advance payment subject to the provisions of Section 4 of Annex "E", IRR (RA 9184) and stipulated in BDS
 - e. The Procuring Entity shall define the quality control procedures for the design and construction in accordance with the DENR guidelines and shall issue the proper certificates of acceptance for sections of the works or whole of the works as provided for in the contract documents.
 - f. The contractor shall provide all necessary equipment, personnel, instruments, documents and others to carry out specified tests.
 - g. This Design and Build project shall have a minimum Defects Liability Period of one (1) year after contract completion or as provided for in the contract documents. This is without prejudice to the liabilities imposed upon the engineer/architect who drew up the plans and specification for the building as sanctioned under Section 1723 of the New Civil Code of the Philippines.
 - h. The contractor shall be held liable for design and structural defects and/or failure of the completed project within the warranty period of 15 years for permanent structures/buildings as specified in Section 62.2.3.2 of the IRR (RA 9184)
 - i. The Program of Works and Detailed Estimates shall be based on the actual and approved Plans and Specification.
5. All safety standards and guidelines prescribed by Department of Labor and Employment must be observed during project implementation.

Section VI. Specifications

6. Progress billings will be processed in accordance with the existing documentary requirements prescribed by the implementing unit.

c. Post Construction Phase

1. In house personnel of the Medical Center shall be trained after the completion and during commissioning of the project with issued certificate of training.
2. Discharge Permit and laboratory results of the wastewater effluent indicating pass or satisfactory shall be the basis for the process of Final Billing.
3. Approved "As Built" Plans signed and sealed by a certifying Mechanical/Sanitary/Chemical Engineer whichever is applicable of the design rights shall be submitted.
4. Operations Manual original and duplicate copy shall be submitted.
5. Engineer's Report and its attached documents prescribed by the DENR during application of Discharge Permit shall be submitted.
6. Testing and Commissioning Report signed and sealed by the Engineer shall be submitted.
7. One (1) monitoring of Wastewater Discharge sampled on a quarterly basis.
8. All equipment must have redundancy with magnetic flowmeter for monitoring of influent and effluent volumetric flow rate.
9. One (1) year warranty for equipment and workmanship shall be imposed.

G. Implementation Arrangement

Reporting Protocol

Detailed Design and Plans (whether preliminary or final), will be submitted to the WVSUMC Procuring Entity Implementing Unit for review and approval, Submittals will be in three (3) sets.

- a. Technical queries will be submitted to the WVSUMC Procuring Entity Implementing Unit for appropriate action.
- b. Billing Statements with supporting documents during design and construction will be submitted to the WVSUMC Procuring Entity Implementing Unit for action.

Section VI. Specifications

H. Eligibility Requirements (Refer to Bid Tender Documents)

I. Manpower Requirements (Refer to Bid Tender Documents)

J. Approved Budget Cost

The total approved budget cost for the Project is Thirteen Million Pesos Eight Hundred Thousand Pesos Only (Php13,800,000.00)

K. Time Frame

The Contractor is required to complete the Project within the time period as shown below, to start upon the Contractor's receipt and signing of Notice to Proceed.

ACTIVITY	Days															
	20	40	60	70	80	90	100	110	120	130	140	150	160	170	180	
Pro-Detailed Design and Detailed Design including approval	→															
Construction including Application and issuance of Permits, Acceptance and Turnover				→												

Section VI. Specifications

SUBJECT: DESIGN PARAMETERS STRUCTURAL/CIVIL WORKS (Subject to consultant's improvement and modification based on the Approach and Methodology narrated under his Technical Proposal)

I. Codes and Standards

The Civil/Structural Design shall be in accordance with the following Codes and Standards

- **Codes**
 1. National Structural Code of the Philippines (NSCP) 2015
 2. National Building Code of the Philippines and its revised IRR
 3. Accessibility Law
 4. Local Codes and Ordinances
- **Standards**
 1. Bureau of Product Standards (BPS)
 2. Philippine National Standards (PNS)
 3. DPWH Blue Book
 4. American Concrete Institute (ACI)
 5. American Society for Testing Materials (ASTM)
 6. American Welding Society (AWS)

II. Site Works

Based on Master Site Development Plan of the WVSU Medical Center, provide complete design and details of Wastewater Treatment Plant Underground Civil/Structural Works as designed.

III. Summary of Materials

1. Concrete shall be Portland cement and conforming to ASTM Specification C150, Type I to Type II
2. Coarse Aggregates shall consist of washed gravel, crushed stone or rock or a combination thereof conforming to ASTM C33
3. Reinforcing Bars shall conform with PNS Grade 60 for 12mm dia and below. (Underground Water Storage are utilized as parking lot)
4. Structural steel shall conform with ASTM A36/A6M
5. Bolts and Studs shall conform with ASTM A 325
6. Welding electrodes shall be E60 or E 70 and conform with AWS

Section VI. Specifications

SUBJECT : SANITARY/PLUMBING DESIGN PARAMETERS (Subject to consultants improvement and modification based on the Approach and Methodology narrated under his Technical Proposal)

I. Codes and Standards

The Sanitary/Plumbing Design shall be in accordance with the following Codes and Standards.

- **Codes:**

1. National Building Code of the Philippines and Its New IRR
2. Fire Code of the Philippines
3. National Plumbing Code of the Philippines (NPCP)
4. Sanitation Code of the Philippines
5. Existing Local Codes and Ordinances.

- **Standards:**

1. Bureau of Product Standards (BPS)
2. Philippine National Standards for Drinking-Water
3. Underwriters Laboratory (UL)
4. DOH National Laboratory (NRL)
5. DOH Health Care Waste Management Manual
6. National Water Resources Board (NWRB)
7. National Plumbers Association of the Philippines (NAMPAP)
8. Philippine Society of Sanitary Engineers, Inc. (PSSE)

II. Site Works

- Based on the Master Site Development of the WVSU MEDICAL CENTER, the Site Works shall provide complete layout of the following:
 1. Sewerage Pipe Network, indicating Sewage Manholes, Sewage pipes and the location of the Septic Tanks
 2. Water Supply Network, indicating the location of Water Service entrance, Cisterns, and proposed Pump House and main water lines.
- The Sewerage Pipe Network design shall accommodate all sewage coming from all the facilities, conveyed by gravitational flow leading to the proposed Sewage Treatment Plant;
Per capita wastewater demand: 150-250 gal/capita/day per bed
- Provide complete cold water supply pipes from the main water source to cistern,

III. Summary of Materials

- Sewer and Vent pipes; Unplasticized Polyvinyl Chloride (uPVC) extra series 1000 (Conforming to ISO 4435 ASTM D2729 including Trims and Fittings)
- Sewage Manholes; Traffic Type Reinforced Concrete with Standard Cast Iron Cover
- Wastewater pipeline; was area/dietary (same as sewer and neat pipes)

Section VI. Specifications

- Cold Waterline pipes; for buildings, Polypropylene Pn16/Pn20 Fusion Weld Pipes including Trims and Fittings (BPS Certified)

SUBJECT: MECHANICAL WORKS DESIGN PARAMETERS (Subject to consultant's improvement and modification based on the Approach and Methodology narrated under his Technical Proposal)

I. Codes and Standards

The Mechanical Design shall be in accordance with the following Codes and Standards.

- **Codes:**
 1. National Building Code of the Philippines and Its New IRR
 2. New Fire Code of the Philippines
 3. Mechanical Engineering Code of the Philippines (ME Code)
 4. Existing Local Government Codes and Ordinances.
- **Standards:**
 1. Bureau of Product Standards (BPS)
 2. Philippine National Standards (PNS)
 3. Underwriters Laboratory (UL) and Factory Mutual (FM)
 4. International Electro technical Commission (IEC) 1988
 5. National Fire Protection Association (NFPA)
 6. National Fire Protection Association (NFPA) 99 Standard for Health Care Facilities.
 7. American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).
 8. Center for Disease Control and Prevention (CDC) Manual.

VII. Summary of Materials (See attached Bid Tender Documents)

Section VI. Specifications

SUBJECT: ELECTRICAL SYSTEM DESIGN PARAMETERS (Subject to consultant's improvement and modification based on the Approach and Methodology narrated under his Technical Proposal)

I. Codes and Standards

The Electrical System Design Parameters shall be in accordance with the following Codes and Standards.

- **Codes:**
 1. Philippine Electrical Code
 2. National Electrical Code
 3. New Fire Code of the Philippines
 4. National Building Code of the Philippines and Its New IRR
 5. Existing Local Codes and Ordinances

- **Standards:**
 1. Bureau of Product Standards (BPS)
 2. Underwriters Laboratory (UL)
 3. National Fire Protection Association
 4. International Electro technical Commission (IEC)
 5. Illumination Engineering Society (IES)
 6. National Electrical Manufacturer's Association (NEMA)
 7. DOH Manual on Technical Guidelines for Hospital and Health Facilities Planning and Design

II. Site Works

Based on the Master Site Development of the WVSUMC, the Site Works shall provide complete Electrical layout of the following:

Electrical System

1. Power System
 - Provide and install adequate normal branch circuits for the Power System.

2. Lightning Protection System
 - The lightning protection system shall include grounding conductors, ground rods, and auxiliary equipment as required for a complete and operational lightning protection system.

Provide Details of the following:

1. Panel Board and Circuit Breakers
2. Switchgear and other Metering Devices
3. Grounding System Layout
4. Others as may be required.

Section VI. Specifications

III. Summary of Materials

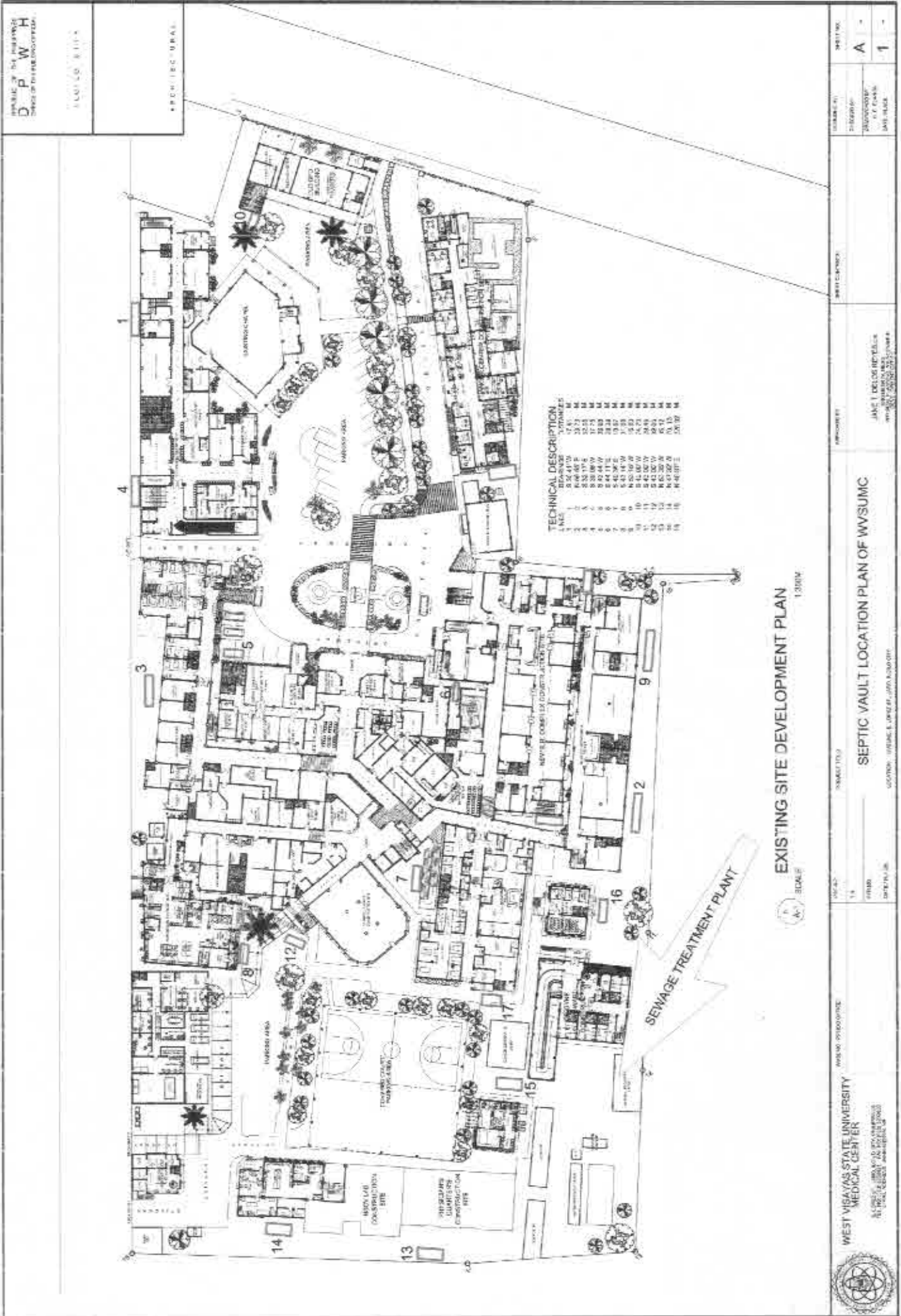
1. **Wiring Devices:** Wiring devices shall be non-automatic control devices, the contact is guaranteed by the pressure of the special spiral springs.
 - Switches shall be of 15A, 250V or 300V except as otherwise noted and approved. Terminals shall be screw-type or quick-connected type.
 - General use receptacle shall be 15A, 240V grounding type unless otherwise indicated on the drawings.
 - Special purpose receptacles shall be as called for on the drawings. Matching plugs shall be supplied.
2. **Panel boards and Circuit Breakers:** The Panel board and Circuit Breakers shall be equipped with molded-case circuit breakers and shall be the type as indicated in the panel board schedule and details.
 - Provide molded-case circuit breakers of frame, trip rating and interrupting capacity as shown on the drawings. The circuit breakers shall be quick-make, quick break, thermal-magnetic, trip-indicating and shall have common trip on all multiple breakers with internal trip mechanism.
 - All current-carrying parts of the panel boards shall be plated. Provide solid neutral (S/N) assembly when required. The assembly shall be isolated from the enclosure.
3. **Electrical Conduits, Boxes and Fittings:** All conduits, boxes and fittings shall be standard rigid steel, zinc coated or galvanized.
 - Rigid Steel Conduits (RSC)
 - Rigid Metal Conduits (RMC)
 - Intermediate Metal Conduits (IMC)
 - Electrical Metallic Tubing (EMT)
 - Unplasticized Polyvinyl Chloride (uPVC) if required shall be schedule 40.
4. **Conductors:** Wires and cables shall be of the approved type and unless specified or indicated otherwise, all power and lighting conductors shall be insulated for 600 volts.
 - The conductors used in the wiring system shall be of soft-annealed copper having a conductivity of not less than 98% of that of pure copper and insulated for 60 °C Temperatures.
 - All conduits of convenience outlets and wire ways for lighting branch circuit homeruns shall be wired with a minimum of 3.5 mm square in size.
 - Final details of the system shall follow specific requirements, quantity and type of service.

Section VI. Specifications

ADDITIONAL SUPPORTING DOCUMENTS FOR REFERENCE

1. WVSU MEDICAL CENTER EXISTING SITE DEVELOPMENT PLAN
2. WVSU MEDICAL CENTER SEPTIC VAULT LOCATION
3. WVSU MEDICAL CENTER SOIL INVESTIGATION REPORT
4. SIZES OF EXISTING SEPTIC TANKS
5. WATER CONSUMPTION
6. ELECTRIC CONSUMPTION

Section VI. Specifications



EXISTING SITE DEVELOPMENT PLAN
1:2000
SCALE

<p>WEST VIRGINIA STATE UNIVERSITY MEDICAL CENTER ARCHITECTURAL DEPARTMENT 100 UNIVERSITY AVENUE MORGANTOWN, WV 26604</p>	<p>PROJECT NO. 14</p> <p>DATE 11/14/14</p>	<p>PROJECT NO. 14</p> <p>DATE 11/14/14</p>	<p>PROJECT NO. 14</p> <p>DATE 11/14/14</p>
	<p>WEST VIRGINIA STATE UNIVERSITY MEDICAL CENTER</p>	<p>SEPTIC VAULT LOCATION PLAN OF WVSUMC</p>	<p>JAMES I. BROWN, ARCHITECT</p>

Section VI. Specifications

8.0 EVALUATION & RECOMMENDATIONS

Field Result Along X_1-X_2 (For Boreholes 4 to 10)

The result of the subsurface investigation from the seven boreholes (from boreholes 4 to 10) shows that the subsurface condition consists predominantly with medium stiff to very stiff clay soil layer from ground surface down to a depth of 5.55 meters (18.20 feet) depth. Then it is followed by dense to very dense sandy soil profile from 5.55 meters (18.20 feet) depth down to 25.00 meters (82 feet) depth. Groundwater table was determined varying from depths 5.55 meters (18.20 feet) depth to 7.05 meters (23.10 feet) depth.

Field Result Along X_3-X_4 (For Boreholes 1 to 3 and Boreholes 11 to 15)

The result of the subsurface investigation from the eight boreholes (from boreholes 1 to 3 and boreholes 11 to 15) shows that the subsurface condition consists predominantly with stiff to very stiff clay soil layer with some areas with loose sandy soil layer from ground surface down to a depth of 5.55 meters (18.20 feet) depth. Then it is followed by medium dense to very dense sandy soil profile from 5.55 meters (18.20 feet) depth down to 25.00 meters (82 feet) depth. Groundwater table was determined varying from depths 5.55 meters (18.20 feet) depth to 7.05 meters (23.10 feet) depth.

In the determination of the Ultimate and Allowable Soil Bearing Pressure, Terzaghi's Bearing Capacity Equation is used which is $q_u = cN_c + qN_q + (1/2)\gamma BN_\gamma$. Analyzing the foundation to be shallow in a form of isolated footing, combined footing or strip footing, the angle of internal friction used are, $\Phi = 0^\circ$ for clay soils with $N_c = 5.14$ and $N_q = 1.00$, $\Phi = 20^\circ$ for medium dense and dense sandy soils, with $N_q = 6.40$ and $N_\gamma = 5.39$, $\Phi = 25^\circ$ for very dense sand, with $N_q = 10.66$ and $N_\gamma = 10.88$. In the determination of the Allowable Soil Bearing Pressure, a Factor of safety

Section VI. Specifications

of 3.0 is used for all soils. Table below shows the Allowable Soil Bearing Pressure from the fifteen boreholes.

Allowable Soil Bearing Pressures Along X1-X2 (For Boreholes 4 to 10)

Allowable Soil Bearing Pressures from 1.5m (5 ft) to 25.00m (82 ft) depth from Boreholes 4 to 10	
Depth	Allowable soil bearing pressure (q_a)
1.50 meter (5 feet)	96.17 KPa (2003.54 psf)
3.00 meter (10 feet)	133.51 KPa (2781.40 psf)
4.50 meter (15 feet)	137.36 KPa (2861.66 psf)
6.00 meter (20 feet)	179.48 KPa (3739.08 psf)
7.50 meter (25 feet)	201.93 KPa (4206.90 psf)
9.00 meter (30 feet)	247.51 KPa (5156.53 psf)
12.00 meter (40 feet)	450.42 KPa (9383.76 psf)
15.00 meter (50 feet)	527.50 KPa (10989.51 psf)
18.00 meter (60 feet)	604.57 KPa (12595.00 psf)
25.00 meter (82 feet)	774.14 KPa (16127.92 psf)

Allowable Soil Bearing Pressures Along X3-X4 (For Boreholes 1 to 3 and Boreholes 11 to 15)

Allowable Soil Bearing Pressures from 1.5m (5 ft) to 25.00m (82 ft) depth from Boreholes 1 to 3 and Boreholes 11 to 15	
Depth	Allowable soil bearing pressure (q_a)
1.50 meter (5 feet)	95.49 KPa (1989.38 psf)
3.00 meter (10 feet)	134.85 KPa (2809.33 psf)
4.50 meter (15 feet)	172.11 KPa (3585.58 psf)
6.00 meter (20 feet)	180.93 KPa (3769.40 psf)
7.50 meter (25 feet)	202.22 KPa (4212.96 psf)
9.00 meter (30 feet)	375.26 KPa (7818.01 psf)
12.00 meter (40 feet)	451.42 KPa (9404.57 psf)
15.00 meter (50 feet)	527.57 KPa (10991.13 psf)
18.00 meter (60 feet)	604.10 KPa (12585.46 psf)
25.00 meter (82 feet)	771.27 KPa (16068.14 psf)

Section VI. Specifications

From these result, it is indeed that shallow foundation in a form of square or rectangular footing, combined footing, strip footing and mat foundation is feasible. Table below shows the number of storeys of buildings with the recommended allowable soil bearing pressures as well as its recommended founding depth.

Number of Storeys of Buildings	Recommended Allowable Soil Bearing Pressure	Recommended Foundation Depth
1-Storey Building	96.00 KPa (2000 psf)	1.50m (5.00 feet)
2-Storey Building	110.00 KPa (2292 psf)	1.82m (6.00 feet)
3-Storey Building	120.00 KPa (2500 psf)	2.13m (7.00 feet)
4-Storey Building	125.00 KPa (2604 psf)	2.44m (8.00 feet)
5-Storey Building	130.00 KPa (2708 psf)	3.00m (10.00 feet)
6-Storey Building	130.00 KPa (2708 psf)	3.00m (10.00 feet)
7-Storey Building	150.00 KPa (3125 psf)	3.66m (12.00 feet)
8-Storey Building	150.00 KPa (3125 psf)	3.66m (12.00 feet)

It is also recommended that tie beams be provided to strengthen the foundation.



Erwin F. Rizado, M. Eng'g.

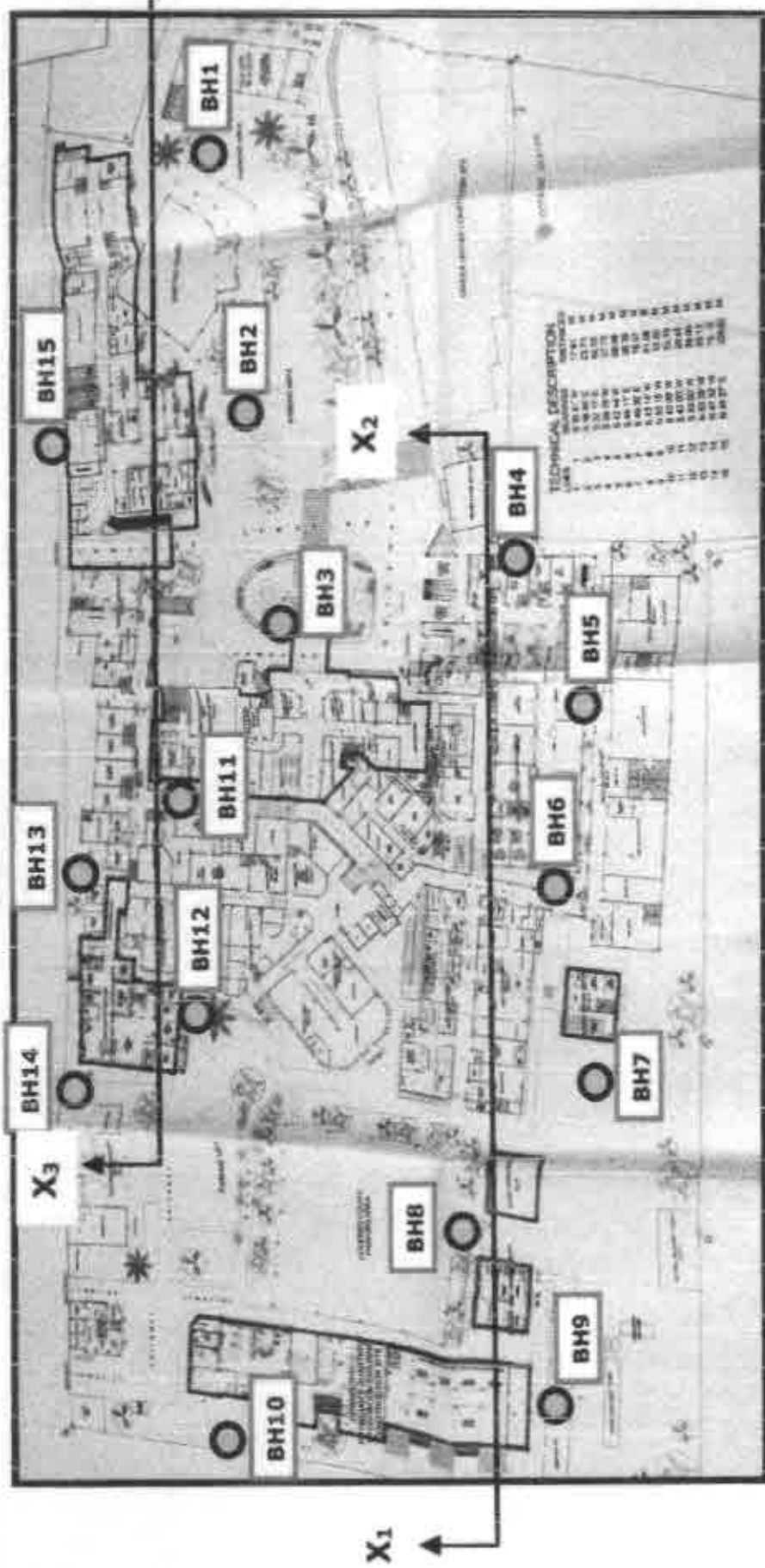
Civil/Geotechnical Engineer PICE



Engr. Makev Eric Yturralde (Gen. Manager)

Civil / Structural Engineer PICE / M.ASEP/ISSEP -1.StructS No.-031
PICE Accredited Specialist in Structural Engineering-member certificate number StE 163

Section VI. Specifications



BOREHOLE LOCATION PLAN
NOT DRAWN TO SCALE

Section VI. Specifications



WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER

E. Lopez St., Jaro, Iloilo City

"PhilHealth Accredited Health Care Provider"

Tel No.: (033) 320 2431; Fax No.: (033) 3202625; Email Address: medcenter@wvsu.edu.ph



PHYSICAL PLANNING MAINTENANCE AND DEVELOPMENT OFFICE

Tel. No. (033) 320 2431 local 175

EXISTING SEPTIC TANK

- 1.0 5.70m x 2.50m x 1.80m = 25.65
cu.m.
- 2.0 2.40m x 1.80m x 1.80m = 7.78
cu.m.
- 3.0 4.0m x 2.80m x 1.80m = 20.16
cu.m.
- 4.0 5.60m x 3.70m x 1.80m = 37.296
cu.m.
- 5.0 4.20m x 3.90m x 1.80m = 29.48
cu.m.
- 6.0 4.60m x 2.90m x 1.80m = 24.01
cu.m.
- 7.0 4.90m x 2.50m x 1.80m = 22.05
cu.m.
- 8.0 5.30m x 2.90m x 1.80m = 27.67
cu.m.
- 9.0 2.90m x 2.20m x 1.80m = 11.48
cu.m.
- 10.02.20m x 1.40m x 1.80m = 5.54
cu.m.
- 11.04.35m x 0.90m x 1.80m = 7.05
cu.m.
- 12.04.00m x 1.70m x 1.80m = 12.24
cu.m.
- 13.04.00m x 1.70m x 1.80m = 12.24
cu.m.
- 14.04.00m x 1.70m x 1.80m = 12.24
cu.m.
- 15.04.00m x 1.70m x 1.80m = 12.24
cu.m.
- 16.04.00m x 1.70m x 1.80m = 12.24
cu.m.
- 17.04.00m x 1.70m x 1.80m = 12.24
cu.m.
- 18.01.11 m x 1.70m x 1.80m = 3.394
cu.m.
19. 7.60 m x 2.0 m x 2.125 m = 32.30
20. 7.60 m x 2.0 m x 2.125 m = 32.30
21. 5.30 m X 3.2m X 2.2m = 37.312

Prepared by:

JANE T. DELOS REYES
Head PRMDO/ Engineer IV

3rd Quarter

Section VI. Specifications

WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER
E. Lopez St., Iloilo City
PhilHealth Accredited Health Care Provider
SP No. 0011 101 201 (Rev. No. 0501 2020) / wvms@wvsmc.edu.ph



WATER CONSUMPTION For the period from June 11 - September 13, 2021

Period			cu.m. Consumption	Amount
6/11/2021	-	7/13/2021	1649	131,400.00
6/11/2021	-	7/13/2021	284	28,920.00
6/11/2021	-	7/13/2021	25978	105,240.00
6/11/2021	-	7/13/2021	4159	345,320.00
7/13/2021	-	8/12/2021	1481	132,115.20
7/13/2021	-	8/12/2021	305	34,272.00
7/13/2021	-	8/12/2021	1307	124,051.20
7/13/2021	-	8/12/2021	3909	364,358.40
8/12/2021	-	9/13/2021	1197	106,668.80
8/12/2021	-	9/13/2021	391	41,977.60
8/12/2021	-	9/13/2021	1212	115,539.20
8/12/2021	-	9/13/2021	3295	309,344.00
Total			45167	1,839,206.40

$\frac{15,051.66}{31}$ month

Prepared by:

= 455 166

Certified correct:

THAINE YZABELLE L. AQUINES
Administrative Aide III

Sylvia G. Lunaspe
SYLVIA G. LUNASPE
Accountant 1V

Section VI. Specifications



WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER

E. Lopez St., Jaro, Iloilo City

"PhilHealth Accredited Health Care Provider"

Tel No.: (033) 320 2431 | Fax No.: (033) 3202623 | Email Address: medcenter@wvssu.edu.ph



PHYSICAL PLANNING MAINTENANCE AND DEVELOPMENT OFFICE

Tel. No. (033) 320 2431 local 175


DOMESTIC WATER

Number of Beds -----500

Number of Liters/ Bed -----675 L

$$500 \text{ BEDS} \times 675 \text{ LITERS} / \text{BED} = 337,500 \text{ Liters/Day}$$
$$337.5 \text{ cu.m} / \text{Day}$$

Prepared by:


ALWITO L. VALDEMAR
Engineer III

Section VI. Specifications

WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER

E. Lopez St., Zamboanga City

"PhilHealth Accredited Health Care Provider"

SPT No. 0005 (2019) / Lic No. 0101 (2002) / Certificate of Accreditation No. 1193



ELECTRIC CONSUMPTION For the period from June 18 - Sept 18, 2021

Period		KWH	Amount
6/18/2021	7/18/2021	276290	1,587,245.31
7/18/2021	8/18/2021	286860	2,078,952.46
8/18/2021	9/18/2021	277340	1,582,073.40
Total		840490	5,248,271.17

Prepared by:

TA
THAINE YZABELLE L. AQUINES
Administrative Aide III

Certified correct:

Sylvia G. Lunaspe
SYLVIA G. LUNASPE
Accountant 1V

Section VII. Drawings

DRAWINGS

1. UNDERGROUND WATER SUPPLY STORAGE PAGE 1
2. UNDERGROUND WATER SUPPLY STORAGE PAGE 2
3. UNDERGROUND WATER SUPPLY STORAGE PAGE 3

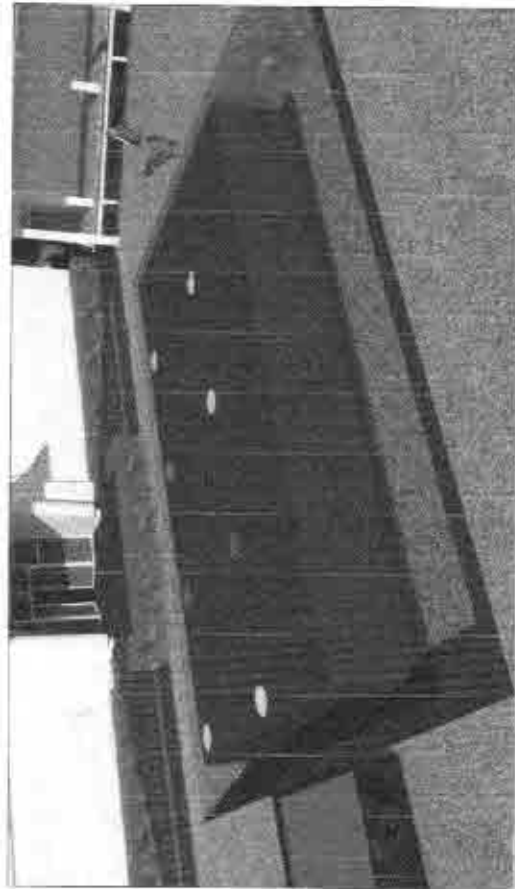
PREPARED BY:

JANE T. DELOS REYES
Engineer IV

MEMBER OF THE ARCHITECTS
D P W H
 GROUP OF THE PHILIPPINES

11111111111111111111

ARCHITECTURAL

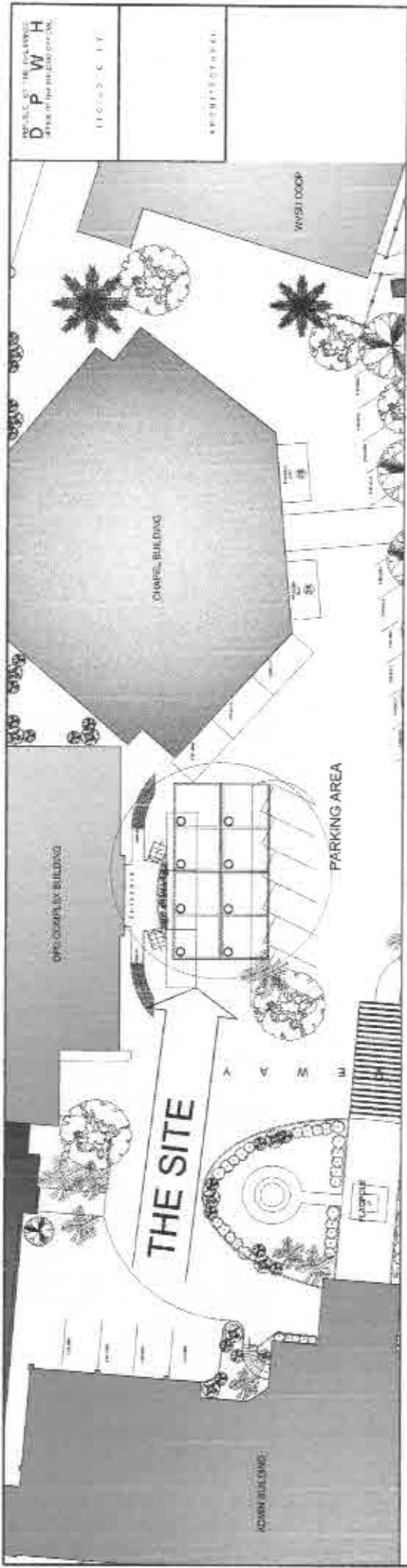


SCALE

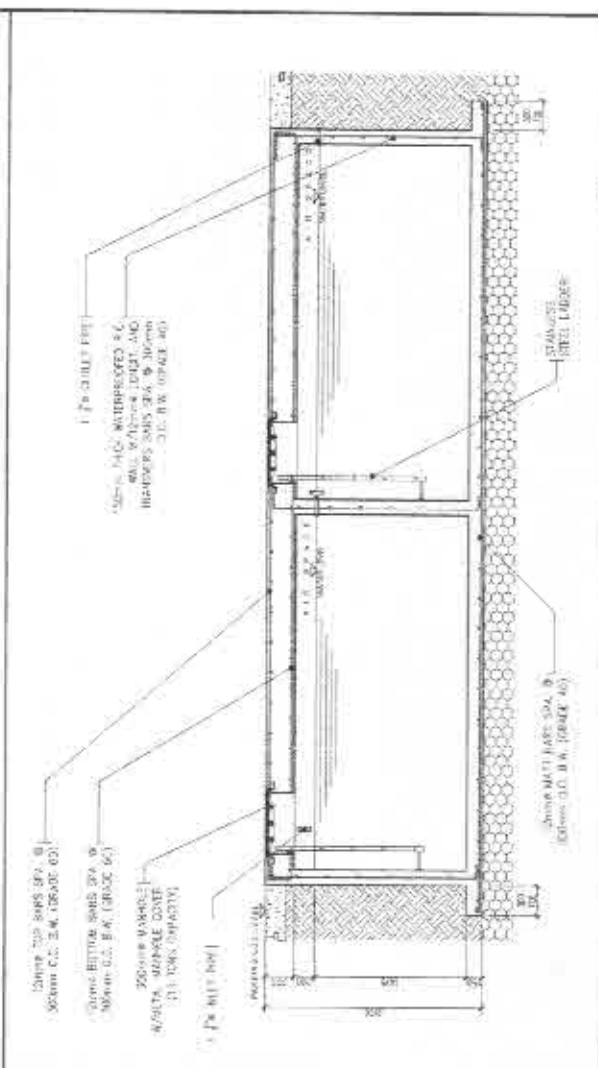
○ PERSPECTIVE

NTS

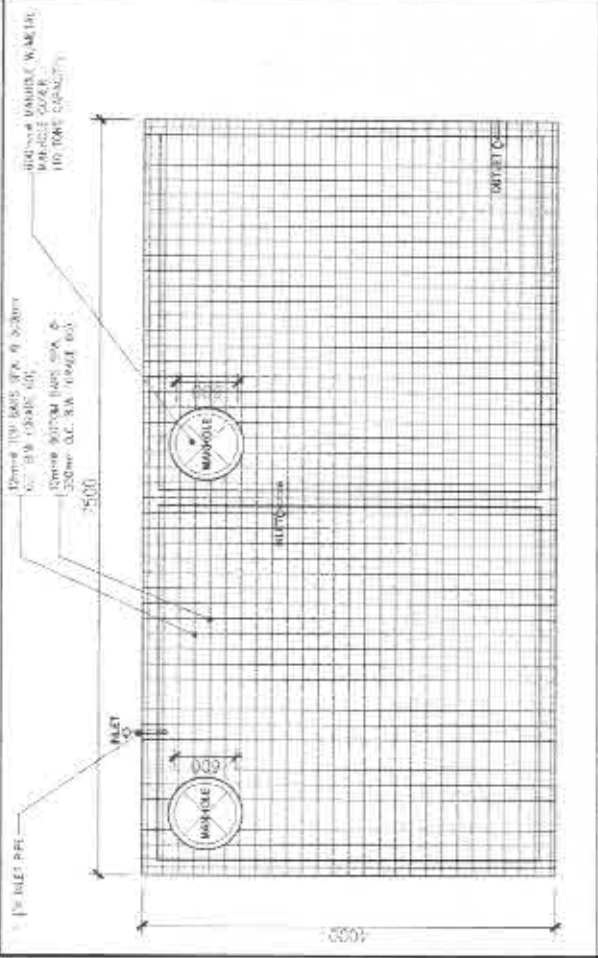
 <p>WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER 6010 ST. ADELAIDO ST. (M. P. ROAD) LAPOAN, ILOILO CITY, PHILIPPINES</p>	PUBLIC PROJECTS PROJECT TITLE PROPOSED UNDERGROUND STORAGE, HORIZONTAL & VERTICAL DISTRIBUTION OF WATER SUPPLY SYSTEM DESIGNER: ANTONIO S. JOYANTO, JR., ILOILO CITY	PROJECT NO. SHEET NO. TOTAL SHEETS	PREPARED BY DATE	REVIEWED BY DATE	RECOMMENDED BY DATE	APPROVED BY DATE	CHECKED BY DATE	SUBMITTED DATE
	PROJECT NO. SHEET NO. TOTAL SHEETS	PREPARED BY DATE	REVIEWED BY DATE	RECOMMENDED BY DATE	APPROVED BY DATE	CHECKED BY DATE	SUBMITTED DATE	



SITE DEVELOPMENT PLAN
SCALE 1/8" = 1'-0"

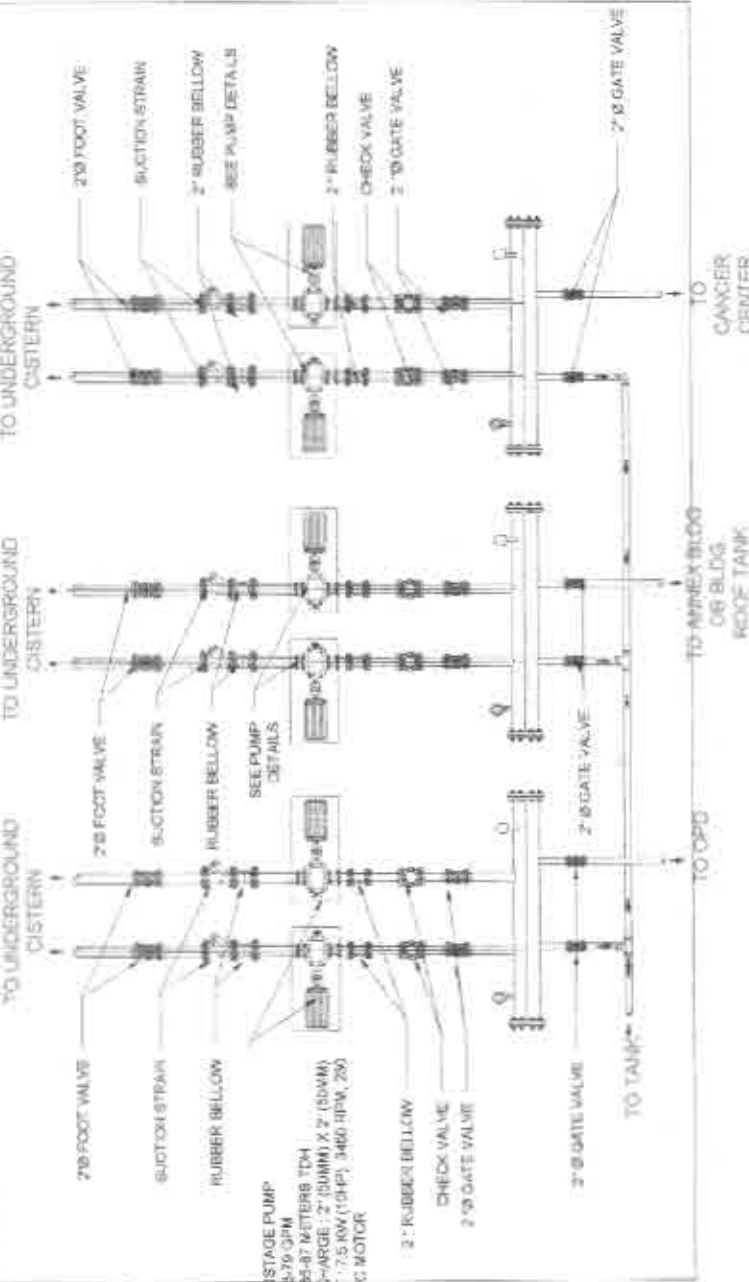


SECTION DETAIL
SCALE 1/2" = 1'-0"



PROPOSED PLAN
SCALE 1/2" = 1'-0"

<p>WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER P.O. BOX 100, CANTON, CEBU PHILIPPINES</p>	<p>UNIVERSAL PROJECT NO. _____</p>	<p>PROJECT TITLE PROPOSED UNDERGROUND STORAGE, HORIZONTAL & VERTICAL DISTRIBUTION OF WATER SUPPLY SYSTEM</p>	<p>ARCHITECT JOSE TO P. VILLALBA R.C.D. No. 1073</p>	<p>MEET CONSULTANTS AS SHOWN</p>	<p>COMMENTS REVISIONS</p>
	<p>DATE: _____</p>	<p>DATE: _____</p>	<p>DATE: _____</p>	<p>NO. _____</p>	<p>NO. _____</p>
	<p>SCALE: _____</p>	<p>SCALE: _____</p>	<p>SCALE: _____</p>	<p>SCALE: _____</p>	<p>SCALE: _____</p>



PUMP DETAILS
VERTICAL MULTISTAGE PUMP
FLOW RANGE: 25-75 GPM
HEAD RANGE: 45-87 METERS TDH
SUCTION & DISCHARGE: 2" (50MM) X 2" (50MM)
MOTOR OUTPUT: 7.5 KW (10HP), 3460 RPM, 200
V, 3 PHASE 3-TEFC MOTOR

WATER PUMP CONNECTION DETAIL
1/20/11

 <p>WEST VISAYAS STATE UNIVERSITY MEDICAL CENTER</p>	<p>PROJECT NO. 11/20/11</p>	<p>DATE 11/20/11</p>	<p>SCALE 1/20/11</p>	<p>DESIGNER</p>	<p>DATE 11/20/11</p>	<p>PROJECT NO. 11/20/11</p>	<p>PROJECT NAME</p>	<p>PROJECT NO. 11/20/11</p>	<p>PROJECT NO. 11/20/11</p>
	<p>DESIGN AND BUILD SCHEME FOR THE IMPROVEMENT/UPGRADING OF POTABLE WATER SUPPLY AND RE-USE OF WASTE WATER</p>	<p>AMT 2010 REVISED</p>	<p>DATE ENCL & SET TO P 11/20/11</p>	<p>DESIGNER</p>	<p>DATE 11/20/11</p>	<p>PROJECT NO. 11/20/11</p>	<p>PROJECT NAME</p>	<p>PROJECT NO. 11/20/11</p>	<p>PROJECT NO. 11/20/11</p>

Checklist of Requirements for RFQ No. SBAC22-03

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) 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:
- Organizational chart for the contract to be bid;
 - 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;

The key personnel must meet the required minimum years of experience set below:

Note: Attach PRC License of key personnel to be assigned to the project.

A. Construction of Underground Storage, Horizontal and Vertical Pipeline Distribution of Water Supply System

Key Personnel	General Experience	Relevant Experience
Project Construction Manager	General building construction and other related infrastructure projects	<ul style="list-style-type: none"> At least 3 years in general construction management and supervision With excellent managerial and supervisory skills in handling infrastructure projects (Has undergone leadership training and other managerial related skills development)
Construction Safety Officer	Occupational Health and Safety Program Implementation	<ul style="list-style-type: none"> At least 3 years in the implementation of occupational health and safety program of a construction project Has undergone COSH/BOSH Training Program with DOLE accredited training institution
Material Quality Control Officer	Materials Quality Control	<ul style="list-style-type: none"> Must be a Licensed Materials Engineer At least 3 years in construction materials quality control implementation
Project Site Engineer	General building construction and other related infrastructure projects	<ul style="list-style-type: none"> Must be a Licensed Civil or Structural Engineer At least 3 years in general construction project supervision specifically on buildings Has excellent technical and construction supervisory skills Proficient in oral and written communication Proficient in Computer Aided Drawings
Professional Mechanical Engineer	General building construction and other related infrastructure projects	<ul style="list-style-type: none"> Must be a Licensed Mechanical Engineer At least 3 years in general construction project supervision specifically on design and installation of drive and vertical motor driven water pump related systems

Key Personnel	General Experience	Relevant Experience
Construction Foreman	General building construction and other related infrastructure projects	<ul style="list-style-type: none"> At least 3 years in directly handling general construction projects Proficient in reading and interpretation of working drawings and has accurate translation into project construction lay-out Has undergone training of any related construction skills with TESDA accredited training institution
Skilled Laborers: Carpenter Mason, Painter Steel Man Plumber Electrician	General building projects	<ul style="list-style-type: none"> At least 2 years in their respective technical skills for the construction projects Have undergone respective skills trainings with TESDA accredited training institution (one training certificate for each skill required)
Laborer	General building projects	<ul style="list-style-type: none"> None required
Document Controller & Record Keeper	General building project documents processing and record keeping	<ul style="list-style-type: none"> At least 2 years in handling construction project documents processing and record keeping
Draftsman	General multistory building project working drawings	<ul style="list-style-type: none"> Proficient in Computer Aided working drawings

B. Design and Build of Wastewater Treatment Plant

Key Personnel	General Experience	Relevant Experience
Project Manager	General Water Treatment Industries Specialists	<ul style="list-style-type: none"> At least 3 years management and supervision in handling water treatment projects
Safety Officer	Occupational Health and Safety Program Implementation	<ul style="list-style-type: none"> At least 3 years in the implementation of occupational health and safety program Has undergone BOSH Training Program with DOLE accredited training institution
Project Site Engineer	General Water Treatment Industries Specialists	<ul style="list-style-type: none"> Preferably a Licensed Mechanical/Sanitary/Chemical Engineer At least 3 years in designing and handling water treatment systems
General Foreman	General Water Treatment Industries	<ul style="list-style-type: none"> At least 3 years in directly handling general construction of water treatment projects Has undergone training of any related construction skills with TESDA accredited training institution
Skilled Laborers: Carpenter/Mason Plumbers Electricians	General Construction and Installation Works	<ul style="list-style-type: none"> At least 2 years in their respective technical skills for the project Have undergone respective skills trainings with TESDA accredited training institution (one training certificate for each skill required)
Unskilled Laborer	General building projects	<ul style="list-style-type: none"> None required
Document Controller & Record Keeper	General building project documents processing and record keeping	<ul style="list-style-type: none"> At least 2 years in handling construction project documents processing and record keeping

- 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;

The minimum major equipment requirements are the following:

A. Construction of Underground Storage, Horizontal and Vertical Pipeline Distribution of Water Supply System

Equipment	Capacity	Number of Units
Dump Truck	4.0 - 8.00 cu.m.	1
Backhoe Crawler or Wheel Mounted	0.75 cu.m. bucket size	1
Centrifugal Pump	1 to 2 Hp	1
Mixer Diesel or Gas Engine	One (1) Bagger	1
Welding Machine AC or Portable	200 Amperes minimum	1
Power Tools	N/A	1

B. Design and Build of Wastewater Treatment Plant

- d. Preliminary Conceptual Design Plans in accordance with the degree of details specified by the Procuring Entity;
 e. Design and Construction Methods; **and**
 f. Value Engineering analysis of design and construction method.
- (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.

Bid Form for the Procurement of Infrastructure Projects
[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates;
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the *[Name of Project]* of the *[Name of the Procuring Entity]*.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

¹ currently based on GPPB Resolution No. 09-2020

Performance Securing Declaration (Revised)

[If used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

BID SECURING DECLARATION

Project Identification No.: [Insert number]

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this _____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20___ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

**Contract Agreement Form for the
Procurement of Infrastructure Projects (Revised)**

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the "Entity") and *[name and address of Contractor]* (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called "the Works") and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016-revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - a. Philippine Bidding Documents (PBDs):
 - i. Drawings/Plans;
 - ii. Specifications;
 - iii. Bill of Quantities;
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
 - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;
 - c. Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
 - d. Performance Security;
 - e. Notice of Award of Contract and the Bidder's conforme thereto; and
 - f. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature]
[Insert Signatory's Legal Capacity]
for:
[Insert Procuring Entity]

[Insert Name and Signature]
[Insert Signatory's Legal Capacity]
for:
[Insert Name of Supplier]

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]