Republic of the Philippines
Eulogio "Amang" Rodriguez
Institute of Science and Technology
Nagtahan, Sampaloc, Manila

January 27, 2022

INVITATION TO BID
2022-BID-001

The Eulogio "Amang" Rodriguez Institute of Science and Technology through the Bids and Awards Committee (BAC) invites Philgeps **registered contractors/suppliers** to bid for the hereunder projects:

Name of Projects	:	**"Design and Provision of New Water Drainage Piping for the Buildings of EARIST Main Campus.**
Approved Budget for the Contract	:	**P12,945,000.00**
Source of Funding	:	
Delivery Period	:	**310 CD**

Prospective bidders should have completed a similar contract with a value of at least 50% of the approved budget. The BAC will use non-discretionary pass/fail criteria in the Eligibility Check/Screening as well as the Preliminary Examination of Bids. Post-qualification of the **lowest calculated bid** shall be conducted.

All particulars relative to Eligibility Statement and Screening, Bid Security, Performance Security, Pre-Bidding Conference, Evaluation of Bids, Post-Qualification and Award of Contract shall be governed by the pertinent provisions of R.A. 9184 and its Implementing Rules and Regulation (Revised).

The schedule of activities is as follows:

Activities	Schedule
1. Advertisement	February 1 - 7 , 2022
2. Issuance of Bid documents	February 7 - 21 , 2022
3. Pre-Bid Conference	February 8, 2022, 1:00 pm, BAC Office
4. Submission & Opening of Bids	February 22, 2021, 1:00 pm, Tuesday, BAC Off.
5 Bid Evaluation/Post Qualification	Prescribed period of Action base on R.A. 9184
6. Issuance of Notice of Award	
7. Contract preparation/Signing/Approval of Contract	
8. Issuance of Notice to Proceed	

The bid documents will be available at the BAC Secretariat starting February 1, 2022, from 8:00 am to 5:00 pm upon payment of non-refundable fee of P5,000.00. **Interested bidders are advised to include name of company in the document request list of PhilGeps posting as needed for the posting of award notice in the PHILGEPS.**

Bidders shall submit their duly accomplished and tagged (1) Eligibility Requirements & Technical Proposal (2) Financial Proposal in **3 sets - hardcopy (**1 original & 2 duplicate) and **1 set of soft/scanned copy-saved in flash disk** to the BAC Secretariat, EARIST, Nagtahan, Sampaloc, Manila. **Deadline of submission of bids shall be on February 22, 2022 at 1:00 PM.** Opening of bids will be at the BAC Office, 2nd Flr. Old Special Science Building. **Late Bids shall not be accepted.**

All bids must be accompanied by a Bid Security in the form of Cash, Certified Check, Cashier's Check, and Manager's Check, Bank Draft/Guarantee and Irrevocable Letter of Credit in the amount of Two Percent (2%), Surety Bond in the amount of Five Percent (5%) of the Approved Budget or Bid Securing Declaration (BSD).

EARIST reserves the right to reject any or all bids without offering any reasons, waive any formality or defects and to make an award to the proposal most advantageous to EARIST. EARIST neither assumes any obligation for whatsoever losses that the bidders may incur in the preparation of their bids nor guarantees that an award will be made.

Approved:

Dr. GRANT B. CORNELL
BAC CHAIRMAN

Further inquiries please call the BAC CHAIRMAN t at Tel. No.82439467 loc. 104,

Note: Approved BOQ and PLAN are uploaded separately in the same posting

PhilGEPS
Philippine Government Electronic Procurement System
Central Portal for Philippine Government Procurement Oppurtunities

Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number	8390385
Procuring Entity	EULOGIO "AMANG" RODRIGUEZ INSTITUTE OF SCIENCE AND TECH.
Title	DESIGN AND PROVISION OF NEW WATER DRAINAGE PIPING for the BUILDINGS of EARIST Main Campus
Area of Delivery	Metro Manila

Solicitation Number:	EARIST-202-BID-001
Trade Agreement:	Implementing Rules and Regulations
Procurement Mode:	Public Bidding
Classification:	Civil Works
Category:	Construction Projects
Approved Budget for the Contract:	PHP 12,945,000.00
Delivery Period:	310 Day/s
Client Agency:	
Contact Person:	Jose R Cornelio, Jr. Administrative Officer Nagtahan, Sampaloc Manila Metro Manila Philippines 1008 63-2-2439467 Ext.129 63-2-2439467 pjacorn@yahoo.com

Status	Active
Associated Components	4
Bid Supplements	0
Document Request List	7
Date Published	01/02/2022
Last Updated / Time	01/02/2022 00:00 AM
Closing Date / Time	22/02/2022 13:00 PM

Description

please see uploaded working plans AND BOQ

Pre-bid Conference

Date	Time	Venue
08/02/2022	1:00:00 PM	BA OFFICE, EARIST

Other Information
FURTHER DETAILS PLEASE COORDINATE WITH THE BAC CHAIRMAN AT THE OFFICE OF the VPREIA, EARIST or call at 2439467 loc 104 c/o Dr. Grant Cornell

Created by	Jose R Cornelio, Jr.
Date Created	31/01/2022

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Republic of the Philippines
EULOGIO "AMANG" RODRIGUEZ
INSTITUTE OF SCIENCE AND TECHNOLOGY
Nagtahan, Sampaloc, Manila

PERFORMANCE SPECIFICATIONS AND PARAMETERS FOR THE PROJECT

DESIGN AND PROVISION OF NEW WATER AND DRAINAGE PIPINGS FOR THE BUILDINGS OF EARIST MAIN CAMPUS

PROPONENT	Eulogio "Amang" Rodriguez Institute of Science and Technology (EARIST)
Postal Address	Nagtahan, Sampaloc, Manila
TOTAL PROJECT COST	Php 12,945,000.00
PROJECT DURATION	310 Days

I. PROJECT DESCRIPTION

Rationale/Background

The Eulogio "Amang" Rodriguez Institute of Science and Technology is home to around 20,000 students in both graduate and undergraduate programs. With its advocacy for providing access to quality higher education to poor but deserving students, EARIST accomodated these potential human resources who will someday take their place in government, business, and industry. It is but fitting that the school provides them with facilities conducive to a good and safe teaching-learning environment.

The Buildings in the EARIST Main Campus are mostly more than 20 years old. Signs of deterioration, including the piping system, are already already evident. Although structural retrofitting is on-going on major structures, a large portion of the water and drainage piping system of the buildings have already failed to function satisfactorily and have become a threat to the safety of the users and the property. A major replacement of the piping system, pipes and needed equipment, such as reservoir and pumps as part of the system, with new materials and equipment is necessary.

The main objective of this project is to design and provide a new water and drainage piping system, including all the necessary fixtures, equipment, structural framings, and housings, that will make all fixtures of all buildings functional. Supply to all buildings must be interdependent to each other so as to ensure the continued supply of water to all fixtures by an interconnected piping and valve system that will enable one building to supply the others when its supply tank is empty. The system designer is expected to integrate modern materials and systems to make the whole project function to its fullest and based on the needs of the users.

II. MAJOR SCOPE OF THE PROJECT

The following activities will be undertaken for the successful implementation of the project:

1. Design
   a. Architectural intervention for physical appearance of exposed new pipes and its effect to the existing image of the school buildings
   b. Sanitary/Plumbing Engineering Analysis & Design for the Sanitary/Plumbing system and piping layout. The design must be subject to the basic principles of 1999 Revised National Plumbing Code of the Philippines.
   c. Structural Analysis & Design for the load-bearing framing systems

2. Provision of Piping System
   a. General Requirements
   b. Provision of New Water and Drainage Piping Lines, including STP
   c. Provision of Water Pumps and Tanks, including Pump Room
   d. Tapping to Existing Lines
   e. Restoration and Painting of Affected Surfaces, including Cleaning works
   f. Testing and Commissioning
   g. Other Related Works

III. SPECIFIC PERFORMANCE REQUIRED

1. **Design Requirements**

The major purpose of the project is to design and provide a new water and drainage pipings, including all the necessary fixtures, equipment, structural framings, and housings, for the buildings of EARIST main campus. This is to solve the problem of deteriorated and failed piping lines that has affected the whole supply and drainage system of the buildings in the main campus of EARIST.

The contractor is expected to conduct an actual site visit and assess the current condition of the whole piping system of EARIST buildings and come up with a design to solve the current problem of piping failure, including the problems on possible rainwater overflow from the existing inside gutters. The designer is expected to integrate modern materials, methods, and systems that will ensure the maximum advantage and full functioning of the new piping system.

2. **Provision of Water and Drainage Pipings**

The Contractor is expected to supply, deliver to the site, install, and make fully functional, all materials, equipment, and devises required in the project. All materials, equipment, devises, methods, and systems must be in accordance with the generally-accepted standards and should pass quality test by a reputable testing organization.

3. **Piping System**

The Contractor is expected to provide a new piping system for water supply and drainage, including necessary additional roof leaders and equipment and devices required for a complete and new supply and drainage system for the following buildings and attached structures that requires piping:

a. Main building (*Regala, Nudas, and part of Apilado halls*)
b. Administration Building
c. Museum and Library Building

The project includes an interconnected water supply system including a new central water reservoir, all necessary framing/support structure, valves and control sytems, and pumping equipment.

4. **Restoration of Affected Surfaces**

The Contractor is expected to restore, repaint, and clean all damaged and affected surfaces before the turnover of the project, including the elements damaged by the weter leakage such as ceiling, wall, flooring materials, and stained finishes.

5. **Code Compliance**

The project is expected to be properly permitted by concerned government agencies and shall follow existing design and construction regulations. The project must use materials, equipment, and methods that follow the generally-accepted standards, with due consideration to the Revised National Plumbing Code of the Philippines, National Building Code of the Philippines (PD1096), Revised Fire Code of the Philippines (RA9514), and other relevant laws.

6. **Construction Safety**

Since the project will be implemented inside the premises of the EARIST Main Campus, where students and employees are possible to actively pass by, construction safety must be of utmost consideration by the Contractor. Ample security and safety mechanisms must be installed and utilized so as to ensure the safety of the people, both EARISTians and the construction personnel, during the whole duration of the project.

Prepared:

MAUNDELITO S. FLORENDO, RLA
Chief, EARIST-IIPDO

Republic of the Philippines
EULOGIO "AMANG" RODRIGUEZ
INSTITUTE OF SCIENCE AND TECHNOLOGY
Nagtahan, Sampaloc, Manila

Project DESIGN AND PROVISION OF NEW WATER AND DRAINAGE PIPING FOR THE BUILDINGS OF EARIST MAIN CAMPUS
Location Nagtahan, Sampaloc, Manila
Owner EULOGIO "AMANG" RODRIGUEZ INSTITUTE OF SCIENCE AND TECHNOLOGY

SCOPE OF WORKS AND APPROVED BUDGET

PART A GENERAL REQUIREMENTS
- A-1 Mobilization and Demobilization
  - A-1.1 Safety Officer and Security
- A-2 Preparation of Plans
  - A-2.1 Proposed Design for Approval
  - A-2.2 As Built Plan
  - A-2.3 Permits and Documents
- A-3 Temporary Facilities
  - A-3.1 Monthly Rent
  - A-3.2 Electric Consumption
  - A-3.3 Water Consumption
- A-4 Testing and Commissioning of Profesionals
  - A-4.1 Architectural Services (licence)
  - A-4.2 Civil Engineering Services (licence)
  - A-4.3 Sanitary Engineer/Plumbing Engineer (licence and PTR)
  - A-4.4 Mechanical Engineer (licence)
  - A-4.5 Structural Engineer (licence)
  - A-4.6 Material and Other Testing that Required (with Official Certificate)
- A-5 Cleaning and Clearing

TOTAL OF PART A

PART B GENERAL PROVISION AND INTEGRARTED EQUIPMENT DEVICES
- B-1 Provision of Water Reservoir with Waterproofing, Capasity of 100 cu.m
  - B-1.1 Water Reservoir/Cistern Water Tank
  - B-1.2 Waterproofing System
- B-2 Repiping of Water Meter Connection with Nessesary Device (Main)
  - B-2.1 Plumbing Fittings
  - B-2.2 Pressure Valve Regulator
  - B-2.3 Gate Valve
- B-3 Demolition Works of Existing Structure
- B-4 Excavation Works
- B-5 Backfilling Works
- B-6 Masonry Works
  - B-6.1 Concrete Floor Topping and Exposed
  - B-6.2 Storm Drainage System with Cover (Concrete)
  - B-6.3 Provision/Rehabilitation Concrete Catch Basin with Strainer
- B-7 Provision of Pump House Complete with Automation Water Pump and Distribution System with Tank Level Control (BMS Ready)
- B-8 Dislouging of Existing Septic Vault and Clearing of Sewerage Line
- B-9 Repiping/Rehabilitation/Additional of Down Spout
  - B-9.1 Repiping and Additional of Downspout (Covered and Safe, Use Thk Pipe)
  - B-9.2 Plumbing Fittings
  - B-9.3 Stainles Steel Gutter Strainer

B-10 Repair and Rehabilitation of Gutter Causes of Water Leaks (Incl. Waterproofing)
- B-10.1 Rehabilitation of Existing Gutter (Incl. Cleaning and Desludging)
- B-10.2 Restoration of Elements affected During the Project Implementation
- B-10.3 Water Proofing of Gutter, Canopy and Adjusent areas
- B-10.4 Provision of Weep Hole at Inside Gutter

TOTAL OF PART B

PART C APELADO HALL
- C-1 Repair and Rehabilitation of Sewage Line
- C-2 Repiping of Water Line with complete fittings and accessories (PPR Pipe)
- C-3 Provision of Stainless Steel 1 cu.m Water Tank with Float Valve
- C-4 Provision of Water Pump 3.0 Hp with Weather Protection
- C-5 Dismantling of Previous/Old Water and Sewage Line
- C-6 Provison of Water Filtration System for Drinking Water (Incl. Faucet)
  - C-6.1 304 stainless steel Water Drinking Faucet
  - C-6.2 Water Filtration Deionization System
- C-7 Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)

TOTAL OF PART C

PART D REGALA HALL
- D-1 Repair and Rehabilitation of Sewage Line
- D-2 Repiping of Water Line with complete fittings and accessories (PPR Pipe)
- D-3 Provision of Stainless Steel 1 cu.m Water Tank with Float Valve
- D-4 Provision of Water Pump 3.0 Hp with Weather Protection
- D-5 Dismantling of Previous/Old Water and Sewage Line
- D-6 Provison of Water Filtration System for Drinking Water (Incl. Faucet)
  - D-6.1 304 stainless steel Water Drinking Faucet
  - D-6.2 Water Filtration Deionization System
- D-7 Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)

TOTAL OF PART D

PART E NUDAS HALL
- E-1 Repair and Rehabilitation of Sewage Line
- E-2 Repiping of Water Line with complete fittings and accessories (PPR Pipe)
- E-3 Provision of Stainless Steel Tank with Booster Pump and Rehab of Existing Tank
- E-4 Dismantling of Previous/Old Water and Sewage Line
- E-5 Provison of Water Filtration System for Drinking Water (Incl. Faucet)
  - E-5.1 304 stainless steel Water Drinking Faucet
  - E-5.2 Water Filtration Deionization System
- E-6 Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)

TOTAL OF PART E

PART F ADMINISTRATION BUILDING
- F-1 Repair and Rehabilitation of Sewage Line
- F-2 Repiping of Water Line with complete fittings and accessories (PPR Pipe)
- F-3 Repair and Rehabilitation of Existing Concrete Water Tank with Float Valve
- F-4 Provision of Water Pump 3.0 Hp with Weather Protection
- F-5 Dismantling of Previous/Old Water and Sewage Line
- F-6 Provison of Water Filtration System for Drinking Water (Incl. Faucet)
  - F-6.1 304 stainless steel Water Drinking Faucet
  - F-6.2 Water Filtration Deionization System
- F-7 Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)

TOTAL OF PART F

PART G	LIBRARY BUILDING	
G-1	Provision of Stainless Steel Tank and Booster Pump with Weather Protection	
G-2	Provison of Water Filtration System for Drinking Water (Incl. Faucet)	
G-6.1	304 stainless steel Water Drinking Faucet	
G-6.2	Water Filtration Deionization System	
G-3	Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)	
	TOTAL OF PART G	
PART H	RESTORATION AND PAINTING OF SURFACES	
H-1	Painting of Damage/Exposed Surfaces	
H-2	Retoration and Other Rehabilitation Work	
H-3	Rehabilitation of Existing Septic Vaults	
	TOTAL OF PART H	
	TOTAL APPROVED BUDGET FOR THE PROJECT =	12,945,000.00
	TOTAL ESTIMATED DURATION =	300 CD

Includes other technical and support services

Prepared by:

MAUNDELITO S. FLORENDO, RLA
Chief, EARIST-UPDO

Recommending Approval by:

Dr. Rogelio T. Mamaradlo
Director, Admin. Services

Approved by:

EDITHA V. PILLO, Ed.D.
EARIST President

Republic of the Philippines
EULOGIO "AMANG" RODRIGUEZ
INSTITUTE OF SCIENCE AND TECHNOLOGY
Nagtahan, Sampaloc, Manila

Project DESIGN AND PROVISION OF NEW WATER AND DRAINAGE PIPING FOR THE BUILDINGS OF EARIST MAIN CAMPUS
Location Nagtahan, Sampaloc, Manila
Owner EULOGIO "AMANG" RODRIGUEZ INSTITUTE OF SCIENCE AND TECHNOLOGY

APPRPOVED BUDGET OF THE CONTRACT
BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
PART A	GENERAL REQUIREMENTS		
A-1	Mobilization and Demobilization	1.00	lot
A-1.1	Safety Officer and Security	10.00	months
A-2	Preparation of Plans	1.00	ls
A-2.1	Proposed Design for Approval	-	-
A-2.2	As Built Plan	-	-
A-2.3	Permits and Documents	-	-
A-3	Temporary Facilities	10.00	months
A-3.1	Monthly Rent	-	-
A-3.2	Electric Consumption	-	-
A-3.3	Water Consumption	-	-
A-4	Testing and Commissioning of Profesionals	1.00	lot
A-4.1	Architectural Services (licence)	-	-
A-4.2	Civil Engineering Services (licence)	-	-
A-4.3	Sanitary Engineer/Plumbing Engineer (licence and PTR)	-	-
A-4.4	Mechanical Engineer (licence)	-	-
A-4.5	Structural Engineer (licence)	-	-
A-4.6	Material and Other Testing that Required (with Official Certificate)	-	-
A-5	Cleaning and Clearing	10.00	months
	TOTAL OF PART A		
PART B	GENERAL PROVISION AND INTEGRARTED EQUIPMENT DEVICES		
B-1	Provision of Water Reservoir with Waterproofing, Capasity of 100 cu.m	1.00	ls
B-1.1	Water Reservoir/Cistern Water Tank	240.00	sq.m
B-1.2	Waterproofing System	240.00	sq.m
B-2	Repiping of Water Meter Connection with Nessesary Device (Main)	1.00	ls
B-2.1	Plumbing Fittings	-	-
B-2.2	Pressure Valve Regulator	-	-
B-2.3	Gate Valve	-	-
B-3	Demolition Works of Existing Structure	1.00	ls
B-4	Excavation Works	100.00	cu.m
B-5	Backfilling Works	20.00	cu.m
B-6	Masonry Works	1.00	lot
B-6.1	Concrete Floor Topping and Exposed	-	-
B-6.2	Storm Drainage System with Cover (Concrete)	-	-
B-6.3	Provision/Rehabilitation Concrete Catch Basin with Strainer	-	-
B-7	Provision of Pump House Complete with Automation Water Pump and Distribution System v	1.00	lot
B-8	Dislouging of Existing Septic Vault and Clearing of Sewerage Line	1.00	ls
B-9	Repiping/Rehabilitation/Additional of Down Spout	1.00	lot
B-9.1	Repiping and Additional of Downspout (Covered and Safe, Use Thk Pipe)	-	-
B-9.2	Plumbing Fittings	-	-
B-9.3	Stainles Steel Gutter Strainer	-	-
B-10	Repair and Rehabilitation of Gutter Causes of Water Leaks (Incl. Waterproofing)	1.00	lot
B-10.1	Rehabilitation of Existing Gutter (Incl. Cleaning and Desludging)	-	-
B-10.2	Restoration of Elements affected During the Project Implementation	-	-

B-10.3	Water Proofing of Gutter, Conopy and Adjusent areas	-	-
B-10.4	Provision of Weep Hole at Inside Gutter	-	-
	TOTAL OF PART B		
PART C	APELADO HALL		
C-1	Repair and Rehabilitation of Sewage Line	83.40	lm
C-2	Repiping of Water Line with complete fittings and accessories (PPR Pipe)	123.30	lm
C-3	Provision of Stainless Steel 1 cu.m Water Tank with Float Valve	1.00	set
C-4	Provision of Water Pump 3.0 Hp with Weather Protection	1.00	lot
C-5	Dismantling of Previous/Old Water and Sewage Line	1.00	lot
C-6	Provison of Water Filtration System for Drinking Water (Incl. Faucet)	12.00	sets
C-6.1	304 stainless steel Water Drinking Faucet	-	-
C-6.2	Water Filtration Deionization System	-	-
C-7	Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)	1.00	lot
	TOTAL OF PART C		
PART D	REGALA HALL		
D-1	Repair and Rehabilitation of Sewage Line	78.06	lm
D-2	Repiping of Water Line with complete fittings and accessories (PPR Pipe)	103.73	lm
D-3	Provision of Stainless Steel 1 cu.m Water Tank with Float Valve	1.00	set
D-4	Provision of Water Pump 3.0 Hp with Weather Protection	1.00	lot
D-5	Dismantling of Previous/Old Water and Sewage Line	1.00	lot
D-6	Provison of Water Filtration System for Drinking Water (Incl. Faucet)	3.00	sets
D-6.1	304 stainless steel Water Drinking Faucet	-	-
D-6.2	Water Filtration Deionization System	-	-
D-7	Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)	3.00	sets
	TOTAL OF PART D		
PART E	NUDAS HALL		
E-1	Repair and Rehabilitation of Sewage Line	157.20	lm
E-2	Repiping of Water Line with complete fittings and accessories (PPR Pipe)	207.46	lm
E-3	Provision of Stainless Steel Tank with Booster Pump and Rehab of Existing Tank	1.00	lot
E-4	Dismantling of Previous/Old Water and Sewage Line	1.00	lot
E-5	Provison of Water Filtration System for Drinking Water (Incl. Faucet)	25.00	sets
E-5.1	304 stainless steel Water Drinking Faucet	-	-
E-5.2	Water Filtration Deionization System	-	-
E-6	Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)	25.00	set
	TOTAL OF PART E		
PART F	ADMINISTRATION BUILDING		
F-1	Repair and Rehabilitation of Sewage Line	94.40	lm
F-2	Repiping of Water Line with complete fittings and accessories (PPR Pipe)	112.40	lm
F-3	Repair and Rehabilitation of Existing Concrete Water Tank with Float Valve	1.00	set
F-4	Provision of Water Pump 3.0 Hp with Weather Protection	1.00	lot
F-5	Dismantling of Previous/Old Water and Sewage Line	1.00	lot
F-6	Provison of Water Filtration System for Drinking Water (Incl. Faucet)	7.00	sets
F-6.1	304 stainless steel Water Drinking Faucet	-	-
F-6.2	Water Filtration Deionization System	-	-
F-7	Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)	1.00	lot
	TOTAL OF PART F		

PART G	LIBRARY BUILDING		
G-1	Provision of Stainless Steel Tank and Booster Pump with Weather Protection	1.00	set
G-2	Provison of Water Filtration System for Drinking Water (Incl. Faucet)	5.00	sets
G-6.1	304 stainless steel Water Drinking Faucet	-	-
G-6.2	Water Filtration Deionization System	-	-
G-3	Provision of Grease Trap and Other Plumbing Devices (Connected to Sewer)	1.00	lot
	TOTAL OF PART G		
PART H	RESTORATION AND PAINTING OF SURFACES		
H-1	Painting of Damage/Exposed Surfaces	120.00	sq.m
H-2	Retoration and Other Rehabilitation Work	1.00	lot
H-3	Rehabilitation of Existing Septic Vaults	1.00	lot
	BUDGETARY COST ESTIMATE =		12,945,000.00
	TOTAL ESTIMATED DURATION (DAYS) =		365.00

Please Refer to the Conceptual Design attach for refference

Prepared by:

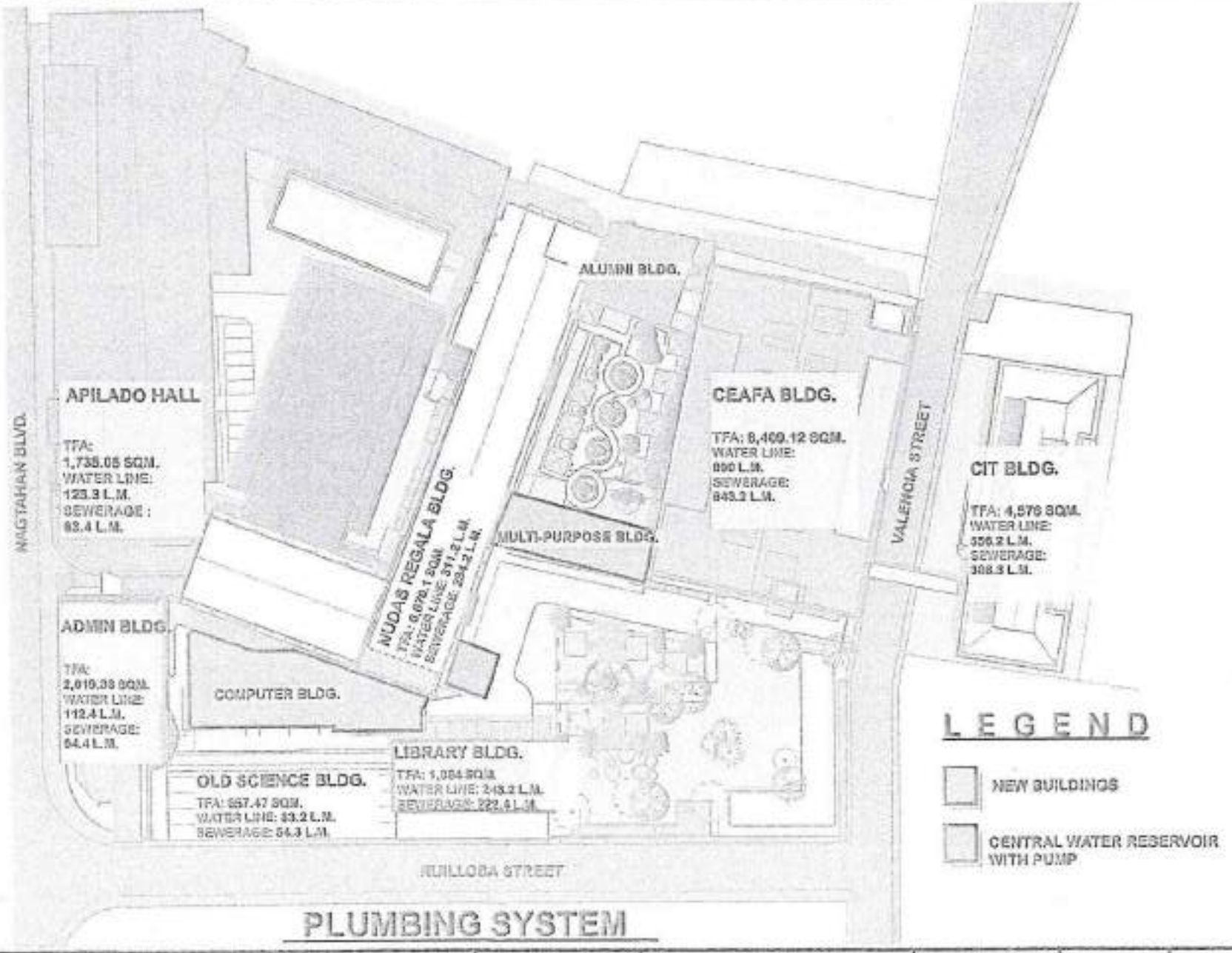
MAUNDELITO S. FLORENDO, RLA
Chief, EARIST-IIPDO

Recommending Approval by:

Dr. Rogelio T. Mamaradlo
Director, Admin. Services

Approved by:

EDITHA V. PILLO, Ed.D.
EARIST President



PLUMBING SYSTEM

PROJECT TITLE: DESIGN AND PROVISION OF NEW WATER AND DRAINAGE PIPING FOR THE BUILDINGS OF BATAAN MAIN CAMPUS. TULOGDO "AMANG" RODRIGUEZ INSTITUTE OF SCIENCE AND TECHNOLOGY	PREPARED BY: MAUNDY OTTO S. FLORENDO, ELA CHIEF ENGR	REQUESTED BY:	APPROVED BY: DR. TERESITA V. PILLO CAMPUS PRESIDENT	OWNER: TULOGDO "AMANG" RODRIGUEZ INSTITUTE OF SCIENCE AND TECHNOLOGY LOCATION: MAGTAHAN, SAMBALOC MANILA	SHEET CONTENT: MASTER SITE DEVELOPMENT PLAN PLUMBING SYSTEM	DESIGNED BY: DRAWN BY: CHECKED BY: APPROVED BY:	SHEET NO. A 1 1

This Plan Serves as Conceptual and Guide Only. Measurements may Varies