



MARIANO MARCOS STATE UNIVERSITY  
Bids and Awards Committee



**INVITATION TO MAKE AN OFFER: SMALL VALUE PROCUREMENT**

2026-07

**THE PROJECT: Provision of LPG Line, Exhaust and Fire Suppression System for the  
New Cafeteria Building.**

**Number of Working Days:** 100 calendar days  
**ABC:** PhP1,988,065.09

1. Mariano Marcos State University (MMSU), with offices at Quiling Sur, City of Batac, Ilocos Norte, invites the public to make an offer to furnish all labor, materials, tools, and equipment necessary and proper for implementing the above Project as per approved designs, plans and drawings.
2. This process is in accordance with Section 34 of R.A. 12009, The New Government Procurement Act, whereby the Procuring Entity requests for the submission of at least three (3) price quotations for Goods not available in the PS-DBM, Infrastructure Projects, and Consulting Services.
3. The offer must be in writing, submitted at the address below, not later than **seven (7) days**, together with the following documents:
  - a. The amount of the offer in writing, duly signed by the person making the offer, is indicated in numbers and figures.
  - b. The particulars of the offer as to labor, materials, tools, equipment, and other work details.
  - c. Documents supporting the legal, technical, and financial capability of the person making the offer, which documents shall be confirmed and verified (**3 copies**).
  - d. Eligibility documents (PhilGEPS ID #, Mayor's Permit, Omnibus Sworn Statement, PCAB License and ITR).
4. It is understood that any offer may be accepted or rejected, or the process invalidated, at any time before contract award, without liability to anyone.
5. Documents for this procurement may be secured from the MMSU BAC Secretariat at the address below or downloaded from the MMSU website of the Philippine Government Electronic Procurement System (PhilGEPS) website.
6. For further inquiries, please refer to:

**ALEXANDER C. MARTINEZ**  
OIC – Director, Procurement Office

February 12, 2026

**BJORN S. SANTOS**  
BAC Chair

Received: \_\_\_\_\_ Received: \_\_\_\_\_ Received: \_\_\_\_\_

*Cultivating Minds, Transforming Futures*

Rm 212 FEM Hall, #16-S Quiling Sur, City of Batac, Ilocos Norte | [vpdp@mmsu.edu.ph](mailto:vpdp@mmsu.edu.ph) | +63(77)-600-0459 | [www.mmsu.edu.ph](http://www.mmsu.edu.ph)



Republic of the Philippines  
 MARIANO MARCOS STATE UNIVERSITY  
 PHYSICAL PLANNING AND DEVELOPMENT OFFICE  
 City of Batac, 2906, Ilocos Norte

**Provision of LPG Line, Exhaust and Fire Suppression System for the New Cafeteria**  
 MMSU, City of Batac, Ilocos Norte

SPECIFICATIONS	
ITEM NO.	DESCRIPTION
<b>PART I</b>	<b>OTHER GENERAL REQUIREMENTS AND MECHANICAL WORKS</b>
<b>ME-1</b>	<p><i>LPG Line</i></p> <p><b>Coverage:</b> Supply and Installation of piping, valves, fittings, regulators, controllers, gas leak detector and accessories.</p> <p><b>Materials:</b>                      B.I. pipe 1 1/2" (Schedule 40)                      Flexible Hose Adaptor 3/4"                      Ball Valve                      Low and High Pressure Regulator                      Motorized Valve                      Gas Shut Off Controller</p>
<b>ME-2</b>	<p><i>Exhaust</i></p> <p><b>Coverage:</b> Supply and Installation of duct, fan motor, insulation, diffuser, grilles and accessories.</p> <p><b>Materials:</b>                      Centrifugal type 3HP, 1P/220V/60Hz @3500CFM                      Centrifugal type 2HP, 1P/220V/60Hz @2500CFM                      Centrifugal type 2HP, 1P/220V/60Hz @1500CFM                      G.I. Sheet (Gauge 22)                      B.I. Sheet (Gauge 20-22)                      Fiber Glass insulation with 16 kg/m3 density (1/2" thick)                      Fire Retardant Cloth                      DOL controllers (1phase/220V)</p>
<b>ME-3</b>	<p><i>Fire Suppression System</i></p> <p><b>Coverage:</b> Supply and Installation of Wet chemical tank with mechanical release mechanism and accessories.</p> <p><b>Materials:</b>                      KFSS-6 liters wet chemical with MRM                      KFSS-16 liters wet chemical with MRM                      Manual Pul Station                      Nozzles                      Corner Pulleys                      Fusible Links                      Stainless Steel Cables</p>

Prepared By:  
  
**AMADOR M. MAMUAD JR.**  
 Engineer

Recommending Approval:  
  
**AIDA V. CABANG**  
 Director, PPDO

Republic of the Philippines  
**MARIANO MARCOS STATE UNIVERSITY**  
 PHYSICAL PLANNING AND DEVELOPMENT OFFICE  
 City of Batac, 2906, Ilocos Norte  
  
**Provision of LPG Line, Exhaust and Fire Suppression System for the New Cafeteria**  
 MMSU, City of Batac, Ilocos Norte

**BILL OF QUANTITIES**

Pay Item No. (1)	Description (2)	Unit (3)	Quantity (4)
<b>PART I</b>	<b>OTHER GENERAL REQUIREMENTS AND MECHANICAL WORKS</b>		
OSHP	Occupational Safety and health Program	ls.	1.00
ME.1	LPG Line	system	1.00
ME.2	Exhaust	ls.	1.00
ME.3	Fire Suppression System	ls.	1.00

## **MECHANICAL WORKS**

### **1.00 GENERAL**

#### **1.01 INTENT**

- A. It is the intent of this Project Information Document to define the standards of components system forming part of the Supply and Installation of equipment. All work carried out shall conform to these standards and shall include all components required by Statutory Authorities.
- B. This Project Information Document covers the furnishing of all labour, equipment, appliances and materials, and performing all operations, in connection with the Supply and Installation of Air-conditioning and Ventilation system specified herein and shown on the drawings.
- C. Wherever conflicts are found between this section and appendices, contractor shall raise a Request for Information (RFI) to the planning section and project management team for consultant's clarification.

#### **1.02 DESCRIPTION OF WORK**

- A. The work to be done under this Project Information Document of the Specification consists of the fabrication, complete in all details, of the mechanical work, at the subject premises and all work and materials incidental to the proper completion of the installation, except those portions of the work, which are expressly stated to be done by others. All work shall be in accordance with governing codes and regulations shall take precedence. The requirements with regard to materials and workmanship specify the minimum standards for the furnishing of all labour, materials and appliances necessary for the complete installation of the work specified therein and indicated on the drawings. These specification are intended to provide a broad outline of the required installation, but are not intended to include all details of design and construction.
- B. Under this Project information Document provide all materials and equipment, and perform all work necessary for the complete execution of all mechanical works as shown on the mechanical ventilation and air conditioning drawings and as herein specified, except as otherwise excluded.
  1. Supply and Installation of LPG Gas Line System for the New Cafeteria Building particularly at Traditional Kitchen, Main Kitchen Left and Right Side to include outdoor pedestal, gas leak detector, supports, control wiring and panel, B.I. piping (welded), valves, fittings, gauges, regulator, painting, testing, and other consumables for the proper operation of the system. (Note: Gas Tank not included by LPG supplier)
  2. Supply and installation of supply fan/fresh air unit with filter and exhaust fan ventilation motor (centrifugal type) and ductworks air system to include ductwork, insulation, controls, hangers and support, diffusers, dampers, grilles and other consumables for the proper operation of the system. (Note: Scope of work are from stub out of stainless steel kitchen hood only, termination is by duct installer.)
  3. Supply and Installation of Stored Pressure Wet Chemical Fire Suppression (KFSS-6 liters and KFSS-16 liters) for the New Cafeteria Building

particularly at Traditional Kitchen, Main Kitchen Left and Right Side to include indoor pedestal, gas leak detector, supports, control wiring and panel, piping, valves, fittings, gauges, regulator, painting, manual push for emergency, nozzle, testing, and other consumables for the proper operation of the system.

4. Chipping, demolition and restoration of all wall, ceiling and slab penetration of duct, LPG gas piping to include providing fire retardant sealant.
  5. Coordinate with the MMSU PPDO designated personnel before installation of units and to whatever changes in location, type, size, etc.
  6. Testing and Commissioning of the whole mechanical system prior to acceptance, to be witnessed by PPDO mechanical engineer representative, end user, MMSU inspection Team and maybe GSD for the maintenance after the warranty.
  7. Prepare as-built plan signed and sealed of the mechanical work as a requirement for occupancy permit.
  8. Preparation of combine and individual services drawings including coordination of trade works with other discipline contractors.
- C. The following principal items of work are not included in this project information document, as they will either be carried out under other project information document or will be supplied and installed by others:
- i. Electrical power supplies to mechanical equipment (up to line side of local motor control panel only).
  - ii. Provision of civil works consisting of concrete pads, foundation, liquid containment and enclosures.

### **1.03 DESIGN CODES AND STANDARDS**

- A. The design, installation, and testing of the air conditioning and ventilation systems shall be in accordance with the latest standards and comply with the Rules and Regulation of:

#### **Codes**

- a. Philippine Society of Mechanical Engineer's Code. (PSME)
- b. Philippine Electrical Code. (PEC) Latest Edition
- c. Local Ordinances and Codes of Ilocos Norte
- d. Building Code of the Philippines

#### **Standards**

- a. Air Diffusion Council (ADC)
- b. Air Movement and Control Association (AMCA)
- c. American Society of Heating, Refrigeration, and Air Conditioning

(ASHRAE)

- d. American Society of Testing and Materials (ASTM)
- e. Sheet Metal and Air Conditioning Contractors National Association (SMACNA)
- f. National Fire Protection Association (NFPA)

#### **1.04 PERFORMANCE GUARANTEE**

The Contractor shall furnish a warranty to guarantee that the work offered will operate in accordance with the requirement of this Specification and will maintain the performance specified one year after the commissioning of the mechanical works.

#### **1.05 Supplementary Provisions**

All other items or scope of works not mentioned in this document but show/or indicated in the plans, drawings and specifications, except where it is specifically mentioned as "to be provided by other" the contractor shall likewise furnish all materials, labor and equipment necessary to complete work.

In the event of conflicts among the specifications, quality of materials, installation procedures, plans, drawings, or other contract documents, such conflicts shall be referred to the end-user and the PPDO Project-in-Charge for proper resolution before or during the implementation stage.

Upon completion of all works, the immediate surrounding areas affected by the execution of the project shall be cleaned and cleared of all excess materials, debris, and temporary utilities used during the work period.


Time is a critical factor in the implementation of this project. Therefore, all works indicated in the plans, specifications, and this document shall be fully completed within **100 calendar days** from receipt of the Notice to Proceed.

The approved budget for this project is **One Million Nine Hundred Eighty Eight Thousand Sixty Five Pesos and 09/100 (Php 1,988,065.09)**.

Prepared by:

  
**AMADOR B. MAMUAD JR.**  
Engineer

Checked and Noted by:

  
**AIDA V. CABANG**  
Director, PPDO

*Project Information Document : MECHANICAL WORKS  
Provision of LPG Line, Exhaust and Fire Suppression System for the New Cafeteria Building, MMSU Batac City,  
Ilocos Norte*

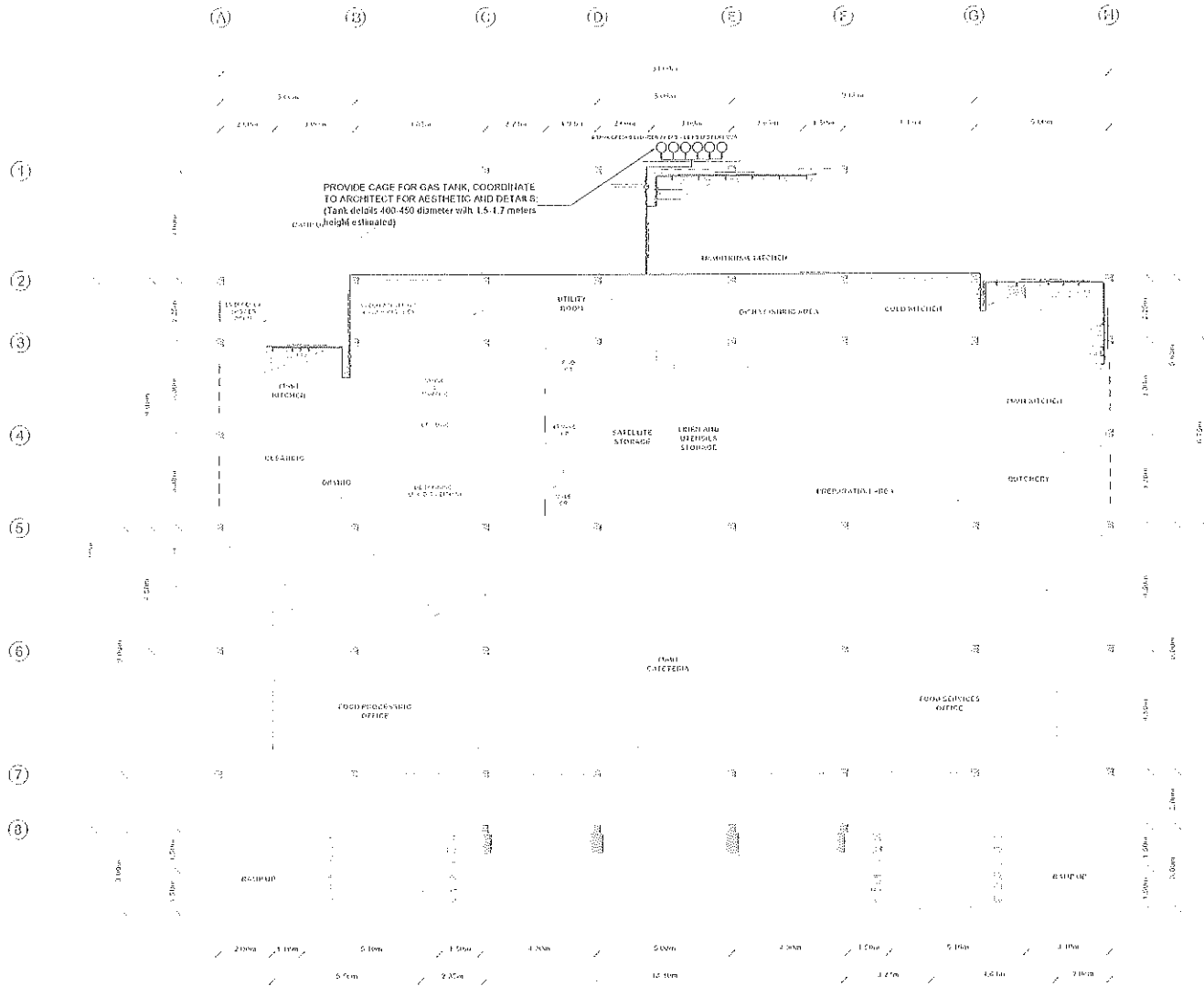
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Approved by:

  
**VIRGILIO JULIUS P. MAÑZANO JR.**  
University President







**LPG LINE LAYOUT**  
 SCALE 1:100



**PHYSICAL PLANNING AND DEVELOPMENT OFFICE**  
DEPT. OF ARCHITECTURE AND PLANNING, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIFORNIA

SIGNED AND SEALED:  
 \_\_\_\_\_  
 PROFESSIONAL REGISTERED ARCHITECT  
 PRJ. NO.: \_\_\_\_\_ VALIDITY: \_\_\_\_\_  
 PTR. NO.: \_\_\_\_\_ ISSUED FOR: \_\_\_\_\_  
 ISSUED AT: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT TITLE AND LOCATION:  
**PROVISION OF LPG LINE, EXHAUST AND FIRE SUPPRESSION SYSTEM FOR THE NEW CAFETERIA BUILDING**  
 NO. \_\_\_\_\_ STREET \_\_\_\_\_ BARANGAY \_\_\_\_\_

CONFIRMED:  
 \_\_\_\_\_  
 ERICK JAY A. DELA CRUZ  
REGISTERED ELECTRICAL ENGINEER  
 DATE: \_\_\_\_\_

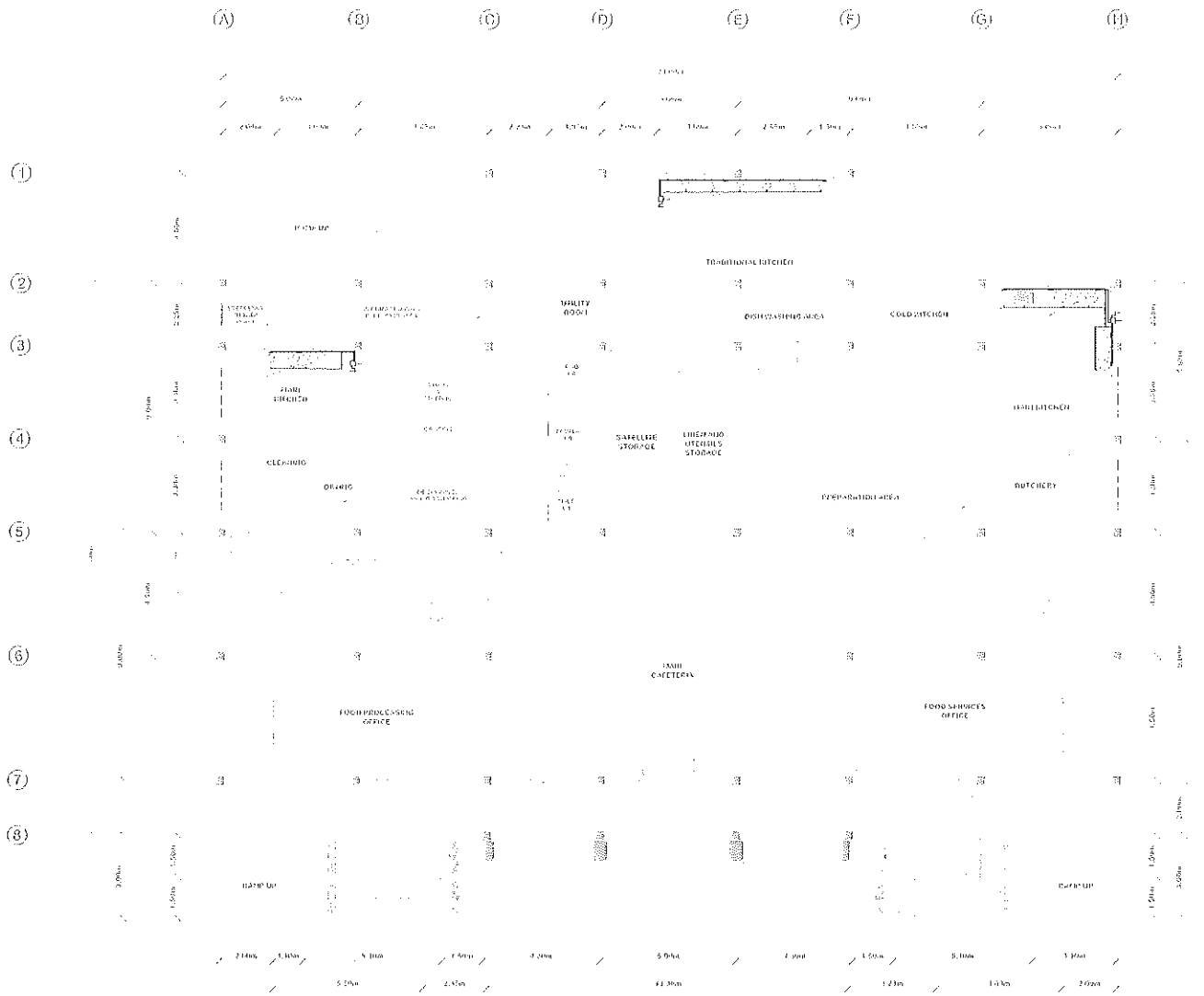
RECOMMENDED:  
 \_\_\_\_\_  
 AIDA V. CABRERA  
REGISTERED ELECTRICAL ENGINEER  
 DATE: \_\_\_\_\_

APPROVED:  
 \_\_\_\_\_  
 VIRGILIO JOLUIS P. MAHEZAN JR.  
REGISTERED ELECTRICAL ENGINEER  
 DATE: \_\_\_\_\_

REVISIONS:  
 NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 DATE \_\_\_\_\_

SHEET CONTENT:  
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 CHECKED AND APPROVED: \_\_\_\_\_  
 DATE SUBMITTED: \_\_\_\_\_

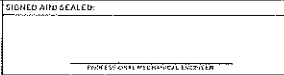
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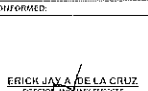

**FIRE SUPPRESSION LAYOUT**  
 SCALE 1:100

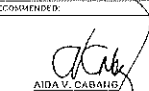


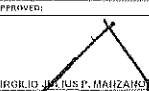
**PHYSICAL PLANNING AND DEVELOPMENT OFFICE**  
2124 ADMINISTRATIVE BLDG. SUMANAN ST. BAGUIO CITY UNIVERSITY  
 CITY OF BAGUIO, PANGASINAN PROVINCE  
 3000 BAGUIO CITY, PHILIPPINES

SIGNED AND SEALED:	
 PROFESSIONAL MECHANICAL ENGINEER	
PREP. NO.:	VALIDITY:
PIR. NO.:	ISSUED ON:
ISSUED AT:	TITLE:

PROJECT TITLE AND LOCATION:
<b>PROVISION OF LPG LINE, EXHAUST AND FIRE SUPPRESSION SYSTEM FOR THE NEW CAFETERIA BUILDING</b>
PHIL. CITY (P/BA/12), 3000 BAGUIO

CONFIRMED:
 <b>ERICK JAY A. DE LA CRUZ</b> <small>REGISTERED ELECTRICAL ENGINEER</small>
DATE:

RECOMMENDED:
 <b>AIDA V. CABANIS</b> <small>REGISTERED FIRE ENGINEER</small>
DATE:

APPROVED:
 <b>VIRGILIO J. P. MAHABANG</b> <small>REGISTERED ELECTRICAL ENGINEER</small>
DATE:

REVISION NO.:
NOTE:
<input type="checkbox"/> REVISION <input type="checkbox"/> AMENDMENT <input type="checkbox"/> APPROVAL
DATE:

SHEET CONTENT:
AS SHOWN
EXCEPT AS NOTED OTHERWISE ENGINEER AND SURVEYOR, BAGUIO
DATE SUBMITTED:

SHEET NUMBER:
