



# MARIANO MARCOS STATE UNIVERSITY

## Bids and Awards Committee

### INVITATION TO MAKE AN OFFER: Negotiated Procurement

21-021-1

**THE PROJECT: Repair Works of Tuklas Lunas Development Center and Soil and Water Laboratory**  
Number of Working Days: 30 calendar days  
ABC: P158,857.41

1. The 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 the implementation of the above Project as per approved designs, plans and drawings.
2. This process is in accordance with Section 53 of R.A. 9184, the Government Procurement reform Act and Section 53.9 of the Implementing Rules and Regulations where interested and qualified contractors are to submit proposals.
4. The offer must be in writing submitted at the address below on or before **December 3, 2021; 2:00 PM** together with the following documents:
  - a) The amount of the offer in writing duly signed by the person making the offer, indicated in numbers and figures.
  - b) The particulars of the offer as to labor, materials, tools, equipment and other work details.
  - c) Documents in support of the legal, technical and financial capability of the person making the offer, which documents shall be confirmed and verified (3 copies).
5. It is understood that any offer may be accepted or rejected, or the process invalidated, at any time prior to contract award, without liability to anyone.
6. Documents for this procurement may be secured from the MMSU BAC Secretariat at the address below or downloaded from the MMSU website or from the Philippine Government Electronic Procurement System (PhilGEPS) website.
7. For questions and inquiries, please write or email the University President, thru the BAC Chair, at the address indicated below.

**Mariano Marcos State University**  
Quiling Sur, City of Batac  
[www.mmsu.edu.ph](http://www.mmsu.edu.ph)

November 29, 2021

**NATHANIEL R. ALIBUYOG**  
BAC CHAIR

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

Rm105 FEM Hall, MMSU, #16S Quiling Sur, City of Batac, Ilocos Norte  
 [bac@mmsu.edu.ph](mailto:bac@mmsu.edu.ph) ☎ (077) 600-0459 [www.mmsu.edu.ph](http://www.mmsu.edu.ph)



Republic of the Philippines  
MARIANO MARCOS STATE UNIVERSITY  
Batac, Ilocos Norte

**PROJECT INFORMATION DOCUMENT**

**Project Title : REPAIR WORKS OF TUKLAS LUNAS DEVELOPMENT CENTER AND SOIL AND WATER LABORATORY**

**Project Location : MMSU-CRL Building, City of Batac, Ilocos Norte**

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The project calls for the furnishing of all materials, labor, tools and equipment needed for the repair works such as re-tiling and repairing of cracked counter of the Tuklas Lunas Development Center and Soil and Water Laboratory of MMSU-CRL, Building with conformity with the designs, plans, drawings and other details, as well as the specifications, this Project Information Document and other related contract documents prepared and approved for this project.

It also calls for the employment of men power with the appropriate skills and expertise to undertake the specific items of work and to enable the contractor to produce and deliver to the satisfaction of the owner the needed services and output required of this undertaking. In addition, the Contractor shall have adequate and readily available construction tools and equipment to be utilized during the construction activities of the project. It is also a must as it is necessary that the Contractor shall have regularly at the site a qualified project Engineer to administer strictly the implementation of the project, including maintaining a log book of construction activities, as well as receiving authorized University Officials and Inspectors.

The Contractor's license required for prospective bidders to undertake this project is at least a holder of **PCAB License with Principal Classification and Category which is under "GENERAL BUILDING - D and with size range of SMALL-A"**.

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**General Instructions**

The drawings and specifications intended to be complimentary. Anything shown in the drawings but not mentioned in the specifications or vice-versa shall be done as if it were mentioned or indicated in both. If no numerical indications appear in the drawings, the measurement should be carefully followed according to the scale of the drawing. If there is conflict in ambiguity in the plans and specifications, the matter shall be presented to the Engineer who shall provide the necessary interpretation of the classifications.

Specifically, the project covers repair works of the Tuklas Lunas Development Center and Soil and Water Laboratory.

**SCOPE OF WORKS**

1. ***Demolition Works.*** This includes the demolition and chipping of existing bulging tiles and cracked counter indicated in the drawing. The Contractor shall inform the Project

Inspector as well as the End-user 3 days prior to demolition so that the End-user will have enough time to vacate the area.

2. **Tile Works**

Examine substrates where tile will be installed. Verify that substrates for setting tile are well cured, structurally sound dry, clean, and free from oil or waxy films, curing compounds or other coatings and surface treatments. Do not proceed with installation until unsatisfactory conditions have been corrected. Commencement of work signifies acceptance of substrate and installation conditions.

Prepare and clean substrate. Remove protrusions, bumps and ridges by grinding or chipping. Repair, fill, and level cracks, holes, depressions and rough or chipped areas in substrate using patching material recommended by setting materials manufacturer.

Perform work in compliance with standard accepted installation guidelines and setting materials per manufacturers' instructions. Install tile in grid pattern plumb and level. Align joints when adjoining tiles on floor, base, walls, and trim. Adjust to minimize tile cutting and to avoid tile less than half size. When possible, smooth cut edges of tile and/or use appropriate cutter or wet saw to produce smooth cuts. Provide straight cuts which align with adjacent materials. Extend tile into recesses and under equipment and fixtures to form a complete covering without interruption. Terminate tile neatly at obstructions, edges, and corners, without disruption of pattern or joint alignment. Make joints smooth and even, without voids, cracks, or excess mortar or grout. Place tile in fresh mortar, press, push and pull the tile slightly to achieve as near 100% coverage and contact of tile with setting material and substrate as possible. The coverage shall be no less than 85% and be sufficiently distributed to give full support of the tile. Make sure that all corners and edges are well supported with mortar. Leave no hollow corners or edges

Ensure there is a minimum 1/8" of mortar between tile and substrate after proper bedding. Installer must periodically remove sheets or individual tiles to assure proper bond coverage consistent with industry specifications. If coverage is found to be insufficient, use a larger size notch trowel. Leave finished installation clean and free of cracked, chipped, broken, unbonded, and otherwise defective tile work.

Use 60cm x 60cm and 40cm x 40cm Floor Tiles for existing floor tiles. Also, for counter, 60cm x 60cm Granite Tiles shall be use. Color and design shall follow the existing. If the Contractor shall not find a color and design exactly the same as the existing, the Contractor shall submit at least 3 samples for approval of the Implementing Office.

3. **Reinforced Concrete Works** This item of work includes the replacement of cracked counter of the laboratory rooms.

4. **Formworks** This item of work includes the materials and labor necessary to perform Item III that includes 1/4" Marine Plywood, lumber and nails.

## 5. SUPPLEMENTARY PROVISIONS

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

In case that a conflict arise in specifications and quality of materials, installation procedure and in the plans and drawings as well as in the other contract documents before and during the implementation stage, the same should be referred to the end-user for proper resolution of the said conflict.

Where the above mentioned items or scope of works require the approval of the quality and design of the materials to be used or their testing before they are installed, embedded in concrete or enclosed with specified covering materials, the contractor shall secure from the University clearance or permission related hereto. The Contractor is required to pre-approve all materials needed in the construction prior to purchasing and installation.

After all the works have been completed, the surrounding immediate areas affected in the execution of the project shall be cleaned and cleared of all excess materials and debris, temporary structures, facilities and utilities used during the construction period. All spillages and scattered caused by the painting works, grouts, adhesives, as well as markings and signage shall likewise be removed to the full satisfaction of the Owner.

A. Time is a very important factor in the implementation of this project and as such, all works indicated in the plans, specifications and in this document shall be fully completed within **THIRTY (30) calendar days** from receipt of the Notice to Proceed.

B. Before final acceptance by the end-user, the Contractor shall post a warranty security in accordance with the following schedule as prescribe in Section 62.2.3.3 of RA 9184


| Form of Warranty Security  | Amount of Warranty Security<br>(Equal to percentage of the Total<br>Contract Price) |
|--|---|
| a) Cash or Letter of Credit issued by a Universal or Commercial Bank: Provided, however, that the LC shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. | Five percent (5%)   |
| b) Bank guarantee confirmed by a Universal or Commercial Bank.   | Ten percent (10%)   |
| c) Surety bond callable upon demand issue by GSIS or a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.                                      | Thirty percent (30%)  |

to cover warranty against structural defects to cover the following periods as follows in accordance with Section 62.2.3.2


- a) Permanent Structures (15 years)
- b) Semi-Permanent Structures (5 years)
- c) Other Structures (2 years)

C. The Approved Budget for the Project to be bid is **One Hundred Fifty Eight Thousand Eight Hundred Fifty Seven Pesos and 41/100 (PHP 158,857.41).**

Prepared by:

  
**PAULINE V. PUYAOAN**  
Engineering Assistant

Checked/Reviewed By:

  
**AIDA V. CABANG**  
Chief - Physical Planning Section

  
**ROMEO R. DULULAO**  
Director, PPDO




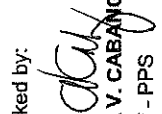
Republic of the Philippines  
**MARIANO MARCOS STATE UNIVERSITY**  
 City of Batac, 2906, Ilocos Norte

**SPECIFICATIONS**

Project Title: **Repair Works of Tuklas Lunas Development Center and Soil and Water Laboratory**  
 Project Location: **MMSU-CRL, Building, City of Batac, Ilocos Norte**

| ITEM NO. | DESCRIPTION  |
|----------|--|
| I.       | <p><u>Demolition Works</u><br/>           Demolition/Chipping of existing tiles as per plans and drawings<br/>           Demolition of cracked counter</p>   |
| II.      | <p><u>Tile Works</u><br/>           60cm x 60cm Granite Tiles<br/>           40cm x 40cm Floor Tiles<br/>           60cm x 60cm Floor Tiles</p> <p><i>Note: All tiles to be installed must follow the same color and design with the existing tiles.</i></p> |
| III.     | <p><u>Reinforced Concrete Works</u><br/>           Portland Cement<br/>           10mmØ x 6m RSB<br/>           #16 Tie Wire</p>   |
| IV.      | <p><u>Formworks</u><br/>           1/4" X 4' X8' Marine Plywood<br/>           2"X2"X12' Good Lumber<br/>           CWN</p>  |

Prepared By:  
  
**PAULINE V. PUYAOAN**  
 Engineering Assistant

Checked by:  
  
**AIDA V. CABANG**  
 Chief - PPS

Recommending Approval:  
  
**ROMEO R. DUJUALAO**  
 Director - PPS



Republic of the Philippines  
**MARIANO MARCOS STATE UNIVERSITY**  
City of Batac, 2906, Ilocos Norte


## BILL OF QUANTITIES

Project Title: **Repair Works of Tuklas Lunas Development Center and Soil and Water Laboratory**


Project Location: **MMSU-CRL, City of Batac, Ilocos Norte**

| ITEM NO. | DESCRIPTION               | QUANTITY | UNIT  |
|----------|---------------------------|----------|-------|
| I        | Chipping/Demolition Works | 1.000    | lot   |
| II       | Tile Works                |          |       |
|          | 60cm x 60cm Granite Tiles | 5.760    | sq.m. |
|          | 40cm x 40cm Floor Tiles   | 5.360    | sq.m. |
|          | 60cm x 60cm Floor Tiles   | 94.026   | sq.m. |
| III      | Reinforced Concrete Works | 0.737    | sq.m. |
| IV       | Formworks                 | 1.000    | lot   |


Prepared By:

  
**PAULINE V. PUYAOAN**  
Engineering Assistant

Checked by:

  
**AIDA V. CABANG**  
Chief - PPS

Reviewed by:

  
**ROMEO B. DULDULAO**  
Director, PPDO



**DETAILED ESTIMATES**

|   |           |             |
|---|-----------|-------------|
| Item No.: <b>I</b>                            | Quantity: | <b>1.00</b> |
| Description: <b>Chipping/Demolition Works</b> | Unit:     | <b>lot</b>  |

|                       | Description  | Quantity        | Unit         | Unit Price | Amount (PhP) |
|-----------------------|--|-----------------|--------------|------------|--------------|
| <b>MATERIALS COST</b> | Total Materials Cost   |                 |              | Sub-Total  | -            |
|                       |  |                 |              | Unit Cost  | -            |
|                       |  |                 |              | Daily Rate | Amount (PhP) |
| <b>EQUIPMENT COST</b> | Jackhammer   |                 |              |            |              |
|                       | Minor Tools  |                 |              |            |              |
|                       | Total Equipment Cost   |                 |              | Sub-Total  | -            |
|                       |  |                 |              | Unit Cost  | -            |
| <b>LABOR COST</b>     | Description  | No. of Person/s | No. of Day/s | Daily Rate | Amount (PhP) |
|                       | This includes the demolition/chipping of existing files on floors and cracked counter. |                 |              |            |              |
|                       | Construction Foreman   |                 |              |            |              |
|                       | Skilled Laborer  |                 |              |            |              |
|                       | Total Labor Cost   |                 |              | Sub-Total  | -            |
|                       |  |                 |              | Unit Cost  | -            |

DIRECT COST: -  
 DIRECT UNIT COST: -

Plus Indirect Cost:  
 % OCM -  
 % CP -  
 % VAT -  
 INDIRECT COST: -

**Total Direct and Indirect Cost: -**





**DETAILED ESTIMATES**

|                         |           |         |
|-------------------------|-----------|---------|
| Item No.: II            | Quantity: | 105.146 |
| Description: Tile Works | Unit:     | sq.m.   |

|                       | Description               | Quantity        | Unit         | Unit Price | Amount (PhP) |
|-----------------------|---------------------------|-----------------|--------------|------------|--------------|
| <b>MATERIALS COST</b> | 60cm x 60cm Granite Tiles |                 | pcs          |            | -            |
|                       | 40cm x 40cm Floor Tiles   |                 | pcs          |            | -            |
|                       | 60cm x 60cm Floor Tiles   |                 | pcs          |            | -            |
|                       | Fine Aggregates           |                 | cu.m.        |            | -            |
|                       | Tile Adhesive, 20kg/bag   |                 | bags         |            | -            |
|                       | Tile Grout, 2kg/bag       |                 | bags         |            | -            |
|                       | Tile Cutting Disk, 4"     |                 | pcs          |            | -            |
|                       | Portland Cement           |                 | bags         |            | -            |
|                       | Total Materials Cost      |                 |              | Sub-Total  | -            |
|                       |                           |                 |              | Unit Cost  | -            |
| <b>EQUIPMENT COST</b> | Description               | No. of Unit/s   | No. of Day/s | Daily Rate | Amount (PhP) |
|                       | Portable Cutting Machine  |                 |              |            |              |
|                       | Minor Tools               |                 |              |            |              |
|                       |                           |                 |              |            | Sub-Total    |
|                       |                           |                 |              | Unit Cost  | -            |
| <b>LABOR COST</b>     | Description               | No. of Person/s | No. of Day/s | Daily Rate | Amount (PhP) |
|                       | Construction Foreman      |                 |              |            |              |
|                       | Skilled Laborer           |                 |              |            |              |
|                       | Laborer                   |                 |              |            |              |
|                       |                           |                 |              |            | Sub-Total    |
|                       | Total Labor Cost          |                 |              | Unit Cost  | -            |

DIRECT COST: -

DIRECT UNIT COST: -

Plus Indirect Cost:

% OCM

% CP

% VAT

INDIRECT COST: -

**Total Direct and Indirect Cost: -**



**DETAILED ESTIMATES**

|  |           |       |
|--|-----------|-------|
| Item No.: III                          | Quantity: | 0.737 |
| Description: Reinforced Concrete Works | Unit:     | cu.m. |

|                | Description          | Quantity        | Unit         | Unit Price | Amount (PhP) |
|----------------|----------------------|-----------------|--------------|------------|--------------|
| MATERIALS COST | Portland Cement      |                 | bags         |            | -            |
|                | Gravel               |                 | cu.m.        |            | -            |
|                | Sand                 |                 | cu.m.        |            | -            |
|                | 10mmØ x 6m RSB       |                 | kgs          |            | -            |
|                | Total Materials Cost |                 | Sub-Total    |            | -            |
|                |                      |                 | Unit Cost    |            | -            |
| EQUIPMENT COST | Description          | No. of Unit/s   | No. of Day/s | Daily Rate | Amount (PhP) |
|                | Minor Tools          |                 |              |            |              |
|                | Total Equipment Cost |                 |              | Sub-Total  | -            |
|                |                      |                 |              | Unit Cost  | -            |
| LABOR COST     | Description          | No. of Person/s | No. of Day/s | Daily Rate | Amount (PhP) |
|                | Construction Foreman |                 |              |            |              |
|                | Skilled Laborer      |                 |              |            |              |
|                | Unskilled Laborer    |                 |              |            |              |
|                | Total Labor Cost     |                 |              | Sub-Total  | -            |
|                |                      |                 |              | Unit Cost  | -            |

DIRECT COST: -  
 DIRECT UNIT COST: -

Plus Indirect Cost:  
 % OCM -  
 % CP -  
 % VAT -  
 INDIRECT COST: -

**Total Direct and Indirect Cost: -**



**DETAILED ESTIMATES**

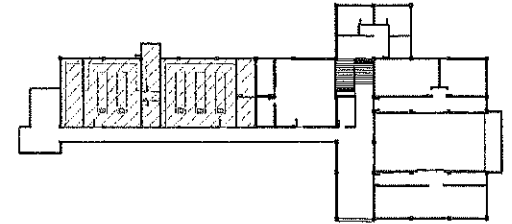
|                        |                 |     |
|------------------------|-----------------|-----|
| Item No.: IV           | Quantity: 1.000 | lot |
| Description: Formworks | Unit:           |     |

|                       | Description                      | Quantity        | Unit         | Unit Price | Amount (PhP) |
|-----------------------|----------------------------------|-----------------|--------------|------------|--------------|
| <b>MATERIALS COST</b> | 1/4" x 4' x8' Marine Plywood     |                 | pc           |            | -            |
|                       | 2" x 2" x12' Good Lumber - 4 pcs |                 | bd.ft.       |            | -            |
|                       | CWN                              |                 | kgs          |            | -            |
|                       |                                  |                 |              | Sub-Total  | -            |
|                       |                                  |                 |              | Unit Cost  | -            |
| <b>EQUIPMENT COST</b> | Minor Tools                      | No. of Unit/s   | No. of Day/s | Daily Rate | Amount (PhP) |
|                       |                                  |                 |              |            | -            |
|                       | Total Equipment Cost             |                 |              | Sub-Total  | -            |
|                       |                                  |                 |              | Unit Cost  | -            |
| <b>LABOR COST</b>     |                                  | No. of Person/s | No. of Day/s | Daily Rate | Amount (PhP) |
|                       | Construction Foreman             |                 |              |            |              |
|                       | Skilled Laborer                  |                 |              |            |              |
|                       | Laborer                          |                 |              |            |              |
|                       | Total Labor Cost                 |                 |              | Sub-Total  | -            |
|                       |                                  |                 |              | Unit Cost  | -            |

DIRECT COST: -  
 DIRECT UNIT COST: -



Plus Indirect Cost:  
 % OCM -  
 % CP -  
 % VAT -  
 INDIRECT COST: -

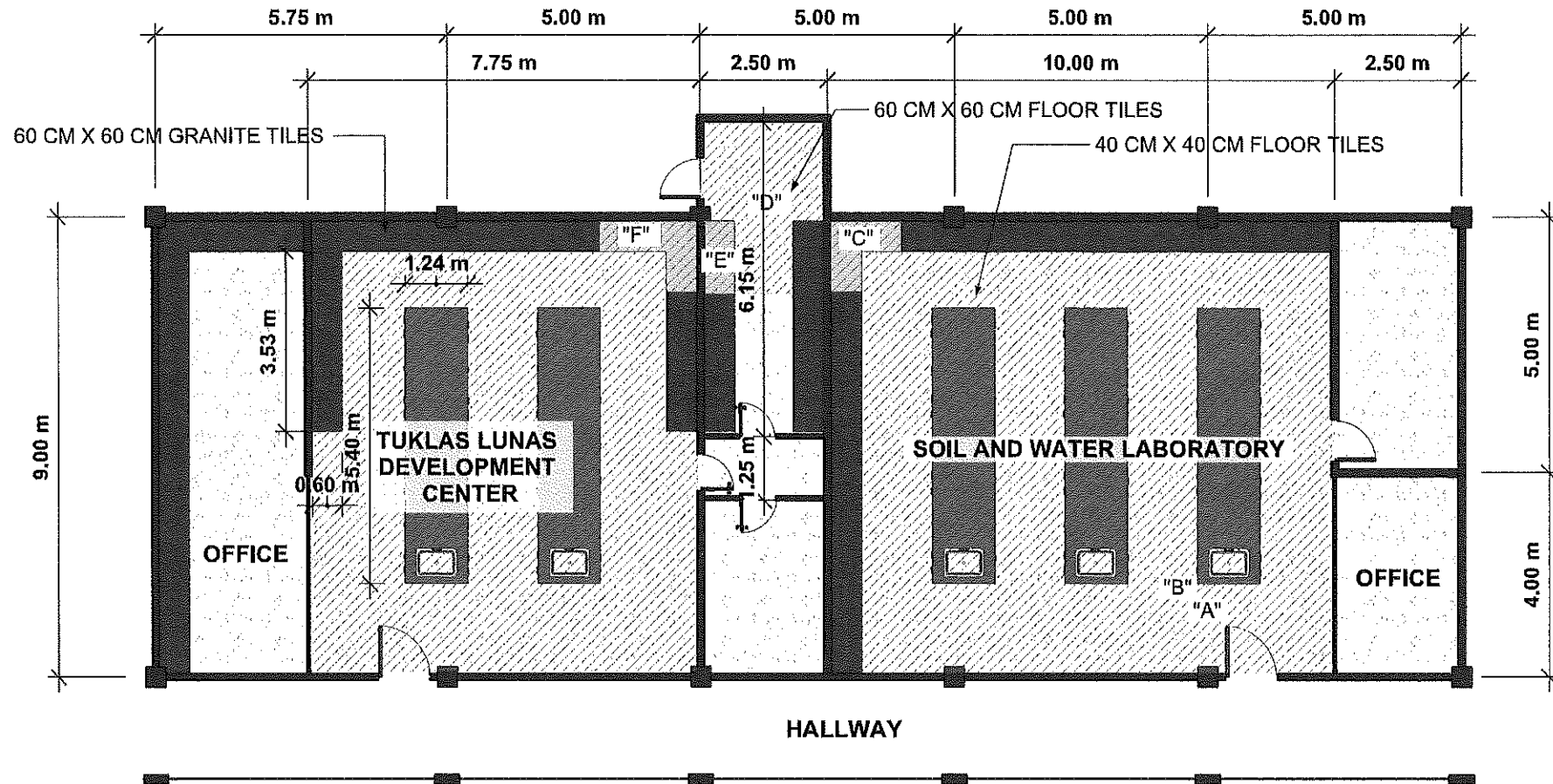
**Total Direct and Indirect Cost: -**



**LOCATION MAP**  
SCALE 1:1000

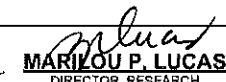



**LEGENDS**

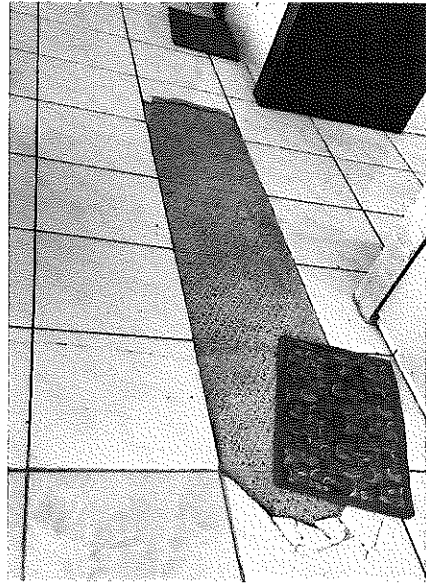
-  REPAIR OF FLOOR TILES
-  DEMOLITION AND REPAIR OF CRACKED COUNTER AND INSTALLATION OF GRANITE TILES



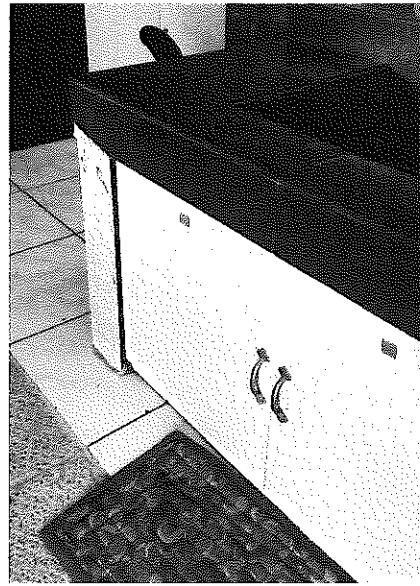
**FLOOR PLAN**  
SCALE 1:130



|   |   |   |  |   |
|---|---|---|--|---|
| PREPARED BY:<br><b>PAULINE V. PUYAOAN</b><br><small>ENGINEERING ASSISTANT</small> | PROJECT TITLE:<br><b>REPAIR WORKS OF TUKLAS LUNAS DEVELOPMENT CENTER AND SOIL AND WATER LABORATORY</b>  | CONFORME:<br><br><b>MARIOU P. LUCAS</b><br><small>DIRECTOR, RESEARCH</small> | SHEET CONTENT:<br>LOCATION MAP<br>FLOOR PLAN   | SHEET NO<br><b>1</b>  |
|   | CHECKED/REVIEWED BY:<br><br><b>AIDA V. CABANG</b><br><small>CHIEF, PHYSICAL PLANNING SECTION</small> | LOCATION:<br><b>MMSU-CRL BUILDING, CITY OF BATAC, ILOCOS NORTE</b>  | RECOMMENDING APPROVAL:<br><br><b>ROMEO R. BULBULAO</b><br><small>DIRECTOR, PPDO</small> | APPROVED BY:<br><br><b>SHIRLEY C. AGRUPIS</b><br><small>UNIVERSITY PRESIDENT</small> |



**A**



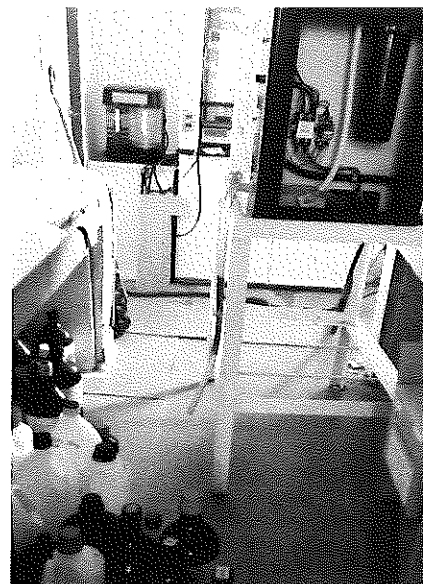
**B**



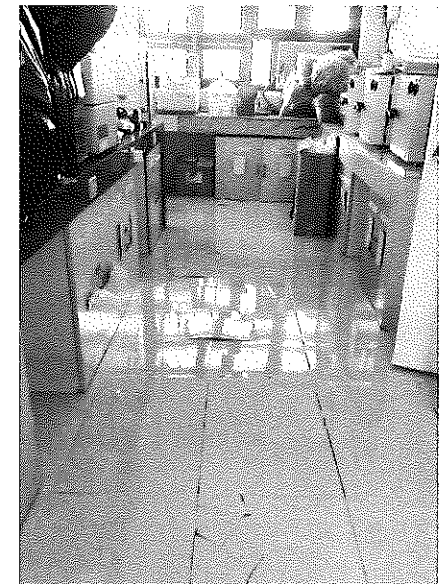
**C**




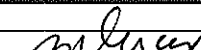
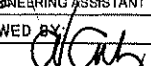
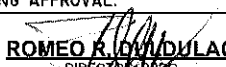

**D**



**E**



**F**

|   |  |   |   |  |          |
|---|--|---|---|--|----------|
|  | PREPARED BY:   | PROJECT TITLE:  | CONFORME:   | SHEET CONTENT:   | SHEET NO |
|   | <b>PAULINE V. PUYAOAN</b><br>ENGINEERING ASSISTANT   | <b>REPAIR WORKS OF TUKLAS LUNAS DEVELOPMENT CENTER<br/>         AND SOIL AND WATER LABORATORY</b> | <br><b>MARILOU P. LUCAS</b><br>DIRECTOR, RESEARCH                      | ACTUAL PROJECT SITE CONDITION  | <b>2</b> |
|   | CHECKED/REVIEWED BY:<br><br><b>AIDA V. CABANG</b><br>CHIEF, PHYSICAL PLANNING SECTION | LOCATION:<br><b>MMSU-CRL, CITY OF BATAC, ILOCOS NORTE</b>   | RECOMMENDING APPROVAL:<br><br><b>ROMEO R. DUMLAO</b><br>DIRECTOR, UPDO | APPROVED BY:<br><br><b>SHIRLEY C. AGRUPIS</b><br>UNIVERSITY PRESIDENT | <b>2</b> |