119TH BOARD OF REGENTS MEETING

BOR RESOLUTION NO. 24
Series of 2025

APPROVING THE REQUEST FOR THE ALLOTMENT OF ₱2,300,000.00 FROM THE SPECIAL FUND (CONTINUING FUND) TO FINANCE THE ELECTRICAL SYSTEM INSTALLATION AND REHABILITATION PROJECT OF VSU ISABEL, THE UTILIZATION OF WHICH SHALL BE SUBJECT TO STRICT COMPLIANCE WITH THE AUDITING AND ACCOUNTING RULES OF THE GOVERNMENT AS WELL AS THE PROCESSES PRESCRIBED IN THE PROCUREMENT LAW AND ITS IMPLEMENTING RULES AND REGULATIONS, THE DETAILS OF WHICH ARE REFLECTED IN THE DOCUMENT HERETO ATTACHED AND MADE PART HEREOF

WHEREAS, VSU Isabel has recorded unutilized revenues under the Internally Generated Fund (IGF) which they need to program to implement the urgent and unfunded programs, projects, and activities for the current year;

WHEREAS, the VSU Isabel is proposing to allocate a portion of the Prior Year's unutilized balances of Internally Generated Funds totaling Two Million Three Hundred Thousand Pesos (₱2,300,000.00) for the Rehabilitation of Electricity connections in the Engineering Buildings;

WHEREAS, upon inspection of the Technical Working Group, the existing electrical connections require urgent rehabilitation as they pose safety risks, potential electrical failures, and fire hazards;

WHEREAS, the Electrical System Installation and Rehabilitation Project is in two phases: includes the Installation, Rehabilitation, and Upgrading of Existing Systems to restore a safe and reliable power supply;

WHEREAS, the proposal was presented to the University Administrative Council (UADCO) via referendum on April 24, 2025, and obtained favorable action;

WHEREFORE, finding the recommendation in order, the Governing Board has agreed to approve the proposal;

NOW, THEREFORE, on motion, duly seconded, and unanimously approved, be it;

RESOLVED, as it is hereby resolved, that the Board of Regents of Visayas State University approves the request for the allotment of ₱2,300,000.00 from the special fund (continuing fund) to finance the electrical system installation and rehabilitation project of vsu isabel, the utilization of which shall be subject to strict compliance with the auditing and accounting rules of the government as well as the processes prescribed in the procurement law and its implementing rules and regulations, the details of which are reflected in the document hereto attached and made part hereof.

IN WITNESS of our approval thereof, we affix our signatures this 29th day of April 2025 at VSU, Baybay City, Philippines.

UNIVERSITY AND BOARD SECRETARY
Visayas State University, Visca, Baybay City, Leyte
Email: secretary@vsu.edu.ph
Website: www.vsu.edu.ph
Phone: +63 53 565 0600 Local 1001

VSU BOARD OF REGENTS

HON. ETHEL AGNES P. VALENZUELA
CHED Commissioner and Chairperson
VSU-Board of Regents

HON. PROSE IVY G. YEPES
VSU President, Vice Chairperson
VSU-Board of Regents

(Absent)

HON. BERNADETTE REMALLA-MAYBITUIN
Representing Hon. **ALLAN PETER S. CAYETANO**
Chairperson, Senate Committee on Higher, Technical and Vocational Education
Member, VSU BOR

HON. CARL NICOLAS C. CARI
Representing Hon. **MARK O. GO**
Chairperson, Committee on Higher & Technical Education, House of Representatives
Member, VSU BOR

HON. MEYLENE C. ROSALES
Regional Director, National Economic and Development Authority Regional Office VIII
Member, VSU BOR

HON. ANDREW RODOLFO T. ORAIS
Regional Executive Director, Department of Agriculture-RO8
Member, VSU BOR

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Faculty Regent - VSU System Faculty Union of Baybay Leyte
Member, VSU BOR

HON. OSCAR B. POSAS
President, VSU Federated Alumni Association
Member, VSU BOR

HON. RYAN C. ILAIDA
Student Regent - VSU Student Council Federation
Member, VSU BOR

Private Sector Representatives:

HON. ALAIN CHARLES J. VELOSO
Member, VSU BOR
Villaba, Leyte

HON. RUPERTO O. APARRI, III
Member, VSU BOR
Tacloban City, Leyte

Proposal to Utilize the Prior Years of Unutilized Income from Internally Generated Funds for the Rehabilitation of Electricity connections in the Engineering Buildings

Introduction

Electricity is essential for operating classrooms, laboratories, offices, and other facilities at VSU Isabel. A recent inspection conducted by the General Services-Electrical Unit on January 27, 2025, in collaboration with PPO Engineers led by Engr. Marlon G. Burlas, revealed critical issues in the university's electrical system. The current setup struggles to support the increasing demand from newly installed equipment, leading to electricity rationing and operational disruptions.

Problem Statement

The inspection found that the existing electrical connections require urgent rehabilitation. Several buildings lack sufficient electricity, preventing students from utilizing essential equipment. Additionally, outdated wiring poses safety risks, including potential electrical failures and fire hazards. The team recommended adding more transformers to meet the growing demand.

Attached are the evidence after the inspection.

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

OFFICE OF THE CHANCELLOR
Visayas State University Isabel
Marvel, Isabel, Leyte
Email: catherine.chan@vsu.edu.ph
Phone: +63 9190852480
Website: www.vsu.edu.ph

Overview of VSU Isabel Electrical Distribution Line

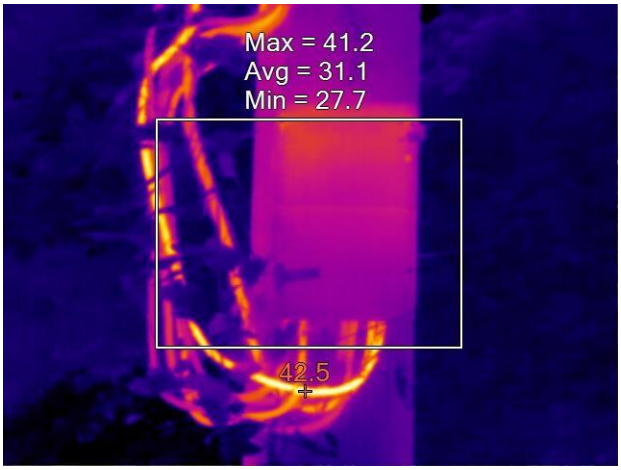
Electricity is a vital component in providing the necessary power for infrastructures, classrooms, laboratories, libraries, and any other amenities for comfort and productivity. From the power generating plant to the substation, electricity is distributed through a network of overhead posts of power lines that traverse the highlands and roads. These lines are categorized into primary and secondary distribution lines. The primary distribution lines carry higher voltage electricity from the substation to various distribution points around the sites and properties. Then voltages are stepped down by local transformers at certain intermediate points before being delivered through secondary distribution lines to individual buildings and facilities. The recent inspection and walkthrough survey conducted by the General Services-Electrical Unit on January 27, 2025, at Visayas State University Isabel provides an overview of the current condition and assessment of its electrical distribution system. The existing electrical system setup affects the operational functionality of both academic and administrative services. It was also observed that a significant number of office and laboratory equipment had been installed but failed to upgrade the electrical systems, resulting in electricity rationing in some buildings and/or load shedding in others. This status report aims to give a summary of the electrical distribution system and its existing condition then proposed an outline of multi-faceted approach to address these pressing concerns and improve the operational efficiency of the campus.

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

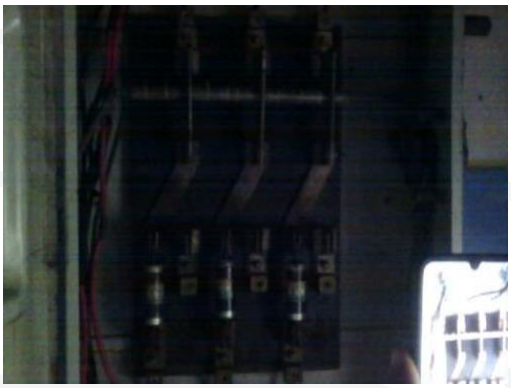
Status of VSU Isabel Electrical Distribution Line and Engineering Buildings

Leyeco V Electric Meter near Administration Building (Visible Image)

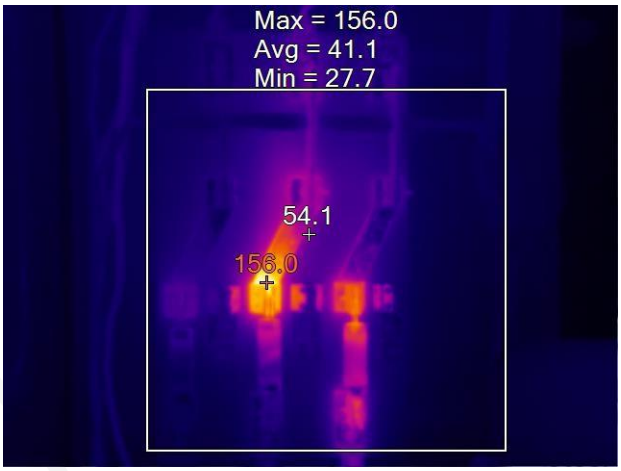


Leyeco V Electric Meter near Administration Building (Visible Image)

- Increased temperature on the load side
- May disrupt operation if not address or corrected.
- Due for upgrading of wire sizes and transformers



Manual Transfer Switch near Administration Building (Visible Image)



Manual Transfer Switch near Administraon Building (Thermal Image)

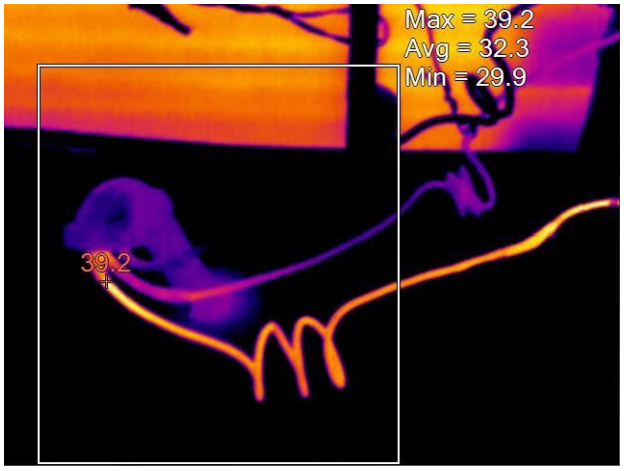
- High temperature on Phase B (load side)
- Unbalanced electrical loading
- Due for replacement of electrical panel board

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Status of VSU Isabel Electrical Distribution Line and Engineering Buildings

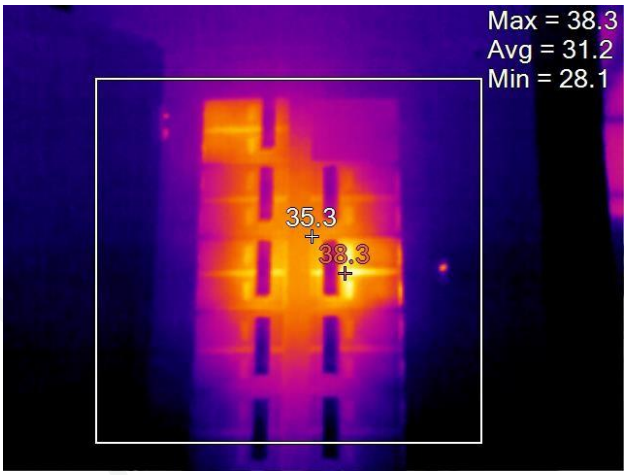
Service Entrance near Administration Building (Visible Image)



Service Entrance near Administration Building (Thermal Image)

- Increased temperature on the load side
- May disrupt operation if not address or corrected.
- Due for upgrading of wire sizes and transformers

Service Entrance near Administration Building (Visible Image)



CAD Building Electrical Panel Board (Thermal Image)

- Observed glowing red on the bus bar
- May disrupt operation if not address or corrected.
- Due for upgrading of panel board and wire sizes.

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Status of VSU Isabel Electrical Distribution Line and Engineering Buildings

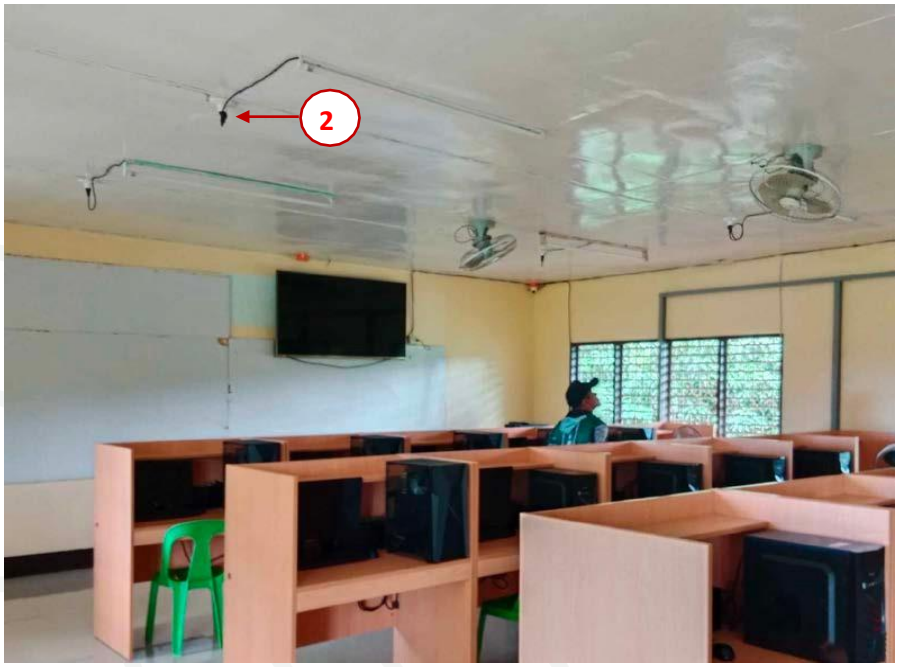
VSU Isabel Administration Building

1. Wire size and electrical panel board need upgrading due to significant number of air conditioning unit in Administration Building
2. Air conditionings need to have separate electrical panel board for isolation and electrical load balancing

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Status of VSU Isabel Electrical Distribution Line and Engineering Buildings



Engineering Building

1. Wire size is too small for the Engineering Building
2. Open wiring circuit must be corrected to prior to BFP Inspection
3. No fire detection and alarm system installed

BOR ACTION: APPROVAL
HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Status of VSU Isabel Electrical Distribution Line and Engineering Buildings

Engineering Building Workshop Area

1. Incorrect wire sizes for 3-phase connection
2. Incorrect wire splicing for 3-phase connection
3. No proper grounding for a 3-phase line
4. No fire detection and alarm system installed

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Status of VSU Isabel Electrical Distribution Line and Engineering Buildings

Engineering Building Workshop Area

1. Incorrect wire sizes for 3-phase connection
2. Incorrect wire splicing and topping for 3-phase connection
3. No proper grounding for a 3-phase line
4. Need to upgrading for the 3-phase electrical panel board
5. No fire detection and alarm system installed

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Status of VSU Isabel Electrical Distribution Line and Engineering Buildings

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Engineering Building Workshop

1. Some of the equipment in the workshop are motor driven which require a 3-phase connection
2. No electrical panel board for isolation and load balancing
3. No proper lighting fixtures
4. No fire detection and alarm system installed
5. Needed to have 3-units 15kVA transformer to make this workshop to function and operate.

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Summary of the Current Electrical System of VSU Isabel and Recommendation

The growing demand for electricity is currently posing serious issues to the electrical distribution system at VSU Isabel Campus. The high rate of equipment installation, coupled with the lack of upgrades to the transformers, electrical panel boards, wire sizes, and connections on campus, are major contributing factors to these issues. As a result, electrical load shedding and electricity rationing are being implemented to energize a specific buildings or area (e.g., the Engineering Workshop). These actions disrupt operational efficiency and productivity for both academic and administrative services.

Significant amount infrastructure investment and electrical distribution system upgrading will be needed to address these issues, and it is advised that they be done either phased or by area coverage. (Attached here ith are details of the recommendation)

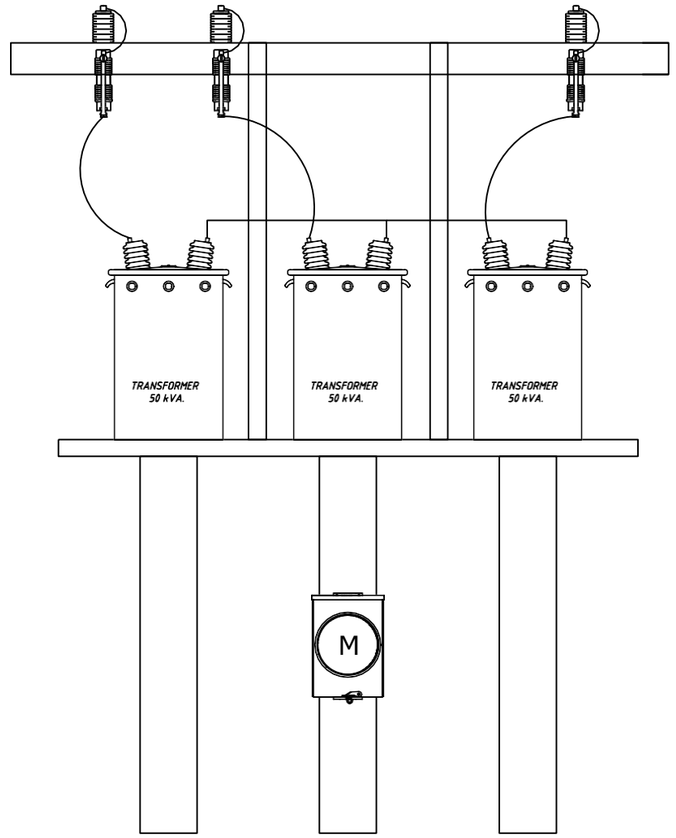
BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

LEGEND

- LINE 1
- LINE 2
- LINE 3
- NEUTRAL
- EXISTING ELECTRICAL POLE
- PAD MOUNTED 50 kVA DISTRIBUTION TRANSFORMER

3(50) KVA POLY PHASE IN BANK OIL IMMERSE
POWER TRANSFORMER 13200 / 240V PRIMARY/SECONDARY



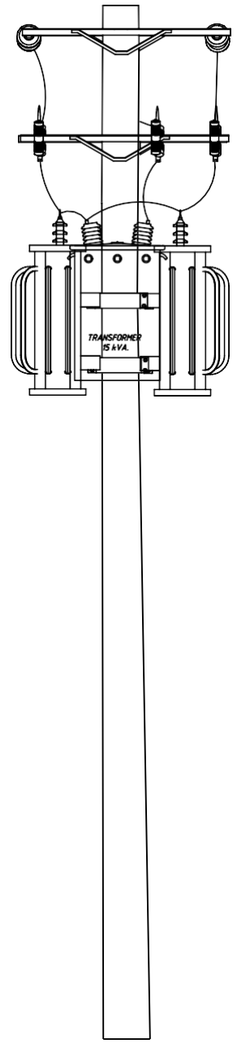
PAD MOUNTED 50kVA DISTRIBUTION TRANSFORMER FOR ADMINISTRATIVE BUILDING

PREPARED BY:	PROJECT TITLE:	CHECKED BY:	SHEET CONTENT:
ENGR. ERIC E. SAJULGA	PROPOSED INSTALLATION OF 50 kVA PAD MOUNTED DISTRIBUTION TRANSFORMER (FROM NATIONAL HIGHWAY THREE PHASE LINE TO UPPER CAMPUS ADMIN BUILDING)	ENGR. MARLON G. BURLAS BOR ACTION: APPROVAL	50 kVA DISTRIBUTION TRANSFORMER PAD MOUNTED
ELECTRICAL ENGINEER	LOCATION: VISAYAS STATE UNIVERSITY-ISABEL	DIRECTOR,GENERAL SERVICE OFFICE (GenSO)	

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

LEGEND

- LINE 1
- LINE 2
- LINE 3
- NEUTRAL
- EXISTING ELECTRICAL POLE
- PROPOSED ELECTRICAL POLE
- (3)15 kVA TRANSFORMER POLE POLE MOUNTED



(3)15 kVA SINGLE PHASE DISTRIBUTION TRANSFORMER IN BANK FOR ENGINEERING WORKSHOP BUILDING

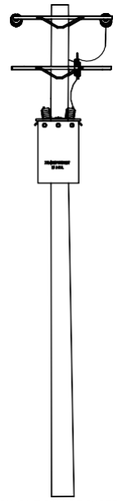
PREPARED BY:	PROJECT TITLE:	CHECKED BY:	SHEET CONTENT:
ENGR. ERIC E. SAJULGA	PROPOSED INSTALLATION OF 15 kVA POLE MOUNTED DISTRIBUTION TRANSFORMER (FROM ADMIN BUILDING TO ENGINEERING WORKSHOP)	ENGR. MARLON G. BURLAS	15 kVA DISTRIBUTION TRANSFORMER POLE MOUNTED
ELECTRICAL ENGINEER	LOCATION: VISAYAS STATE UNIVERSITY-ISABEL	DIRECTOR,GENERAL SERVICE OFFICE (GenSO)	

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

LEGEND

- LINE 1 SECONDARY LINE
- LINE 2 SECONDARY LINE
- LINE 3 SECONDARY LINE
- PROPOSED ELECTRICAL POLE 25ft
- PROPOSED ELECTRICAL POLE 35ft
- EXISTING ELECTRICAL POLE 35ft
- PROPOSED 37.5 kVA TRANSFORMER



(1)37.5 kVA SINGLE PHASE DISTRIBUTION TRANSFORMER
FOR TWO STOREY BUILDING AND APARTELLE

PREPARED BY:	PROJECT TITLE:	CHECKED BY:	SHEET CONTENT:
ENGR. ERIC E. SAJULGA ELECTRICAL ENGINEER	PROPOSED INSTALLATION OF 37.5 kVA DISTRIBUTION TRANSFORMER & SECONDARY LINE (ENGINEERING BUILDING,SUPPLY & PROPERTY,PROCUREMENT AND ACADEMIC BUILDING) LOCATION: VISAYAS STATE UNIVERSITY-ISABEL	ENGR. MARLON G. BURLAS DIRECTOR,GENERAL SERVICE OFFICE (GenSO)	37.5 kVA DISTRIBUTION TRANSFORMER PAD MOUNTED SECONDARY LINE & ELECTRICAL POLE 25ft

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Vision: A global green university providing progressive leadership in agriculture, science & technology, education and allied fields for societal transformation.

Mission: To produce graduates equipped with advanced knowledge and lifelong learning skills with ethical standards through high quality instruction, innovative research, and impactful community engagements.

Republic of the Philippines
VISAYAS STATE UNIVERSITY ISABEL
Marvel, Isabel, Leyte

FY 2025 PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP)

END-USER/UNIT: OFFICE OF THE DIRECTOR FOR ADMINISTRATION & FINANCE

Charged to : Special Fund (Continuing Fund)

Projects, Programs and Activities (PAPs):

1 Electrical System Installation and Rehabilitation

CODE	GENERAL DESCRIPTION	QUANTITY/ SIZE	ESTIMATED BUDGET	Mode of Procurement	SCHEDULE/MILESTONE OF ACTIVITIES											
					Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
50604030-05	**Electrical System Installation and Rehabilitation**															
	a. Installation, rehabilitation, and upgrading of existing electrical systems to restore safe and reliable power supply.	various item	2,300,000.00	Competitive Bidding												
TOTAL BUDGET:			**2,300,000.00**													

NOTE: Technical Specifications for each Item/Project being proposed shall be submitted as part of the PPMP (attachement)

Prepared by:

FE DAPHNEY C. RAMOS
Director, Administration and Finance

Submitted by:

CATHERINE L. CHAN, Ph. D.
Chancellor

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

Project Summary

Phase	Project Title	DESCRIPTION	CALENDAR DAYS TO COMPLETE	TOTAL COST(₱)
Phase 1	**TO SUPPLY MATERIALS, LABOR, AND SUPERVISION FORTHE EXTENSION OF PRIMARY DISTRIBUTION LINE AND INSTALLATION OF A 3-15 KVA TRANSFORMER, 7620 PRIMARY CENTER TAP, 120/240V SECONDARY 3-PHASE, CU TO CU WINDING**	This is the first phase of the project.The project involves supplying materials, labor, and supervision for the extension of the primary distribution line and the installation of a three-phase transformer bank using three (3) 15 kVA single-phase, pole-mounted, oil-immersed, self-cooled transformers. These transformers, each rated at 7,620 V primary (center-tapped) and 120/240 V secondary, with copper-to-copper windings, bushing outdoor type, and amorphous core, will be connected to provide power to the Engineering Workshop and Engineering Building 5.	* 1 MONTH (for Electrical Distribution Line Installation)	₱ 1,421,693.00
Phase 2	**ELECTRICAL REHABILATION AND FIRE DETECTION AND ALARM SYSTEM INSTALLATION OF ENGINEERING WORKSHOP AND ENGINEERING BUILDING "5"**	This is the second phase of the project, following the installation of the primary transformer. The electrical rehabilitation will proceed thereafter. This project involves the electrical rehabilitation and installation of a fire detection and alarm system for the Engineering Workshop and Engineering Building 5. **In the 2nd phase the bidder will only supply and deliver all necessary materials, the school will handle the electrical rehabilation of engineering buildings** and installation of fire detection and alarm systems.	*27 DAYS(for the rehabilitation of Engineering Workshop and Engineering Building "5")	₱ 857,626.00
-	**Other Expenses**	**Energy Deposit Cost**	-	₱ 20,547.00
	Total Project Cost			₱ 2,299,866.00

Project Timeline:

Bidding process	45 days
Work Duration	"The total duration for completing both projects is 102 days, calculated as follows: 45 days, 30 days, and 27 days."

Prepared by:	Recommending aproval:	Approved:
Kenneth Arvin A. Sumalinog TWG-(ELECTRICITY)	FE DAPHNEY C. RAMOS Director, Office of the Administration and Finance	CATHERINE L. CHAN Chancellor

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary

VISAYAS STATE UNIVERSITY - ISABEL
Marvel, Isabel, Leyte

PURCHASE REQUEST

DEPT./OFFICE: **Office of the Director for Administration & Finance** | Fund Source: **GF** | PR NO. 2025-04-002 | DATE 2025/4/21

Section/End - us **GERRY G. SUMALINOG** | Categori **POWER SYSTEM**

ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
	TO SUPPLY MATERIALS, LABOR, AND SUPERVISION FORTHE EXTENSION OF PRIMARY DISTRIBUTION LINE AND INSTALLATION OF A 3-15 KVA TRANSFORMER, 7620 PRIMARY CENTER TAP, 120/240V SECONDARY 3-PHASE, CU TO CU WINDING, AMORPHOUS TYPE, POLE-MOUNTED TYPE TRANSFORMER BANK	**LOT**	**1**	**₱1,421,693.00**	**₱ 1,421,693.00**
	I. Scope of Work:				
	This includes the following:				
	*Installation and Extension of Primary Distribution Line, including compoments such as Dead end Suspension, Clamp, Pin Insulator, Steel Cross Arm and other necessary fittings to reach the designated transformer location				
	*Excavation and Erection of 6 Poles, Steel, 35', Bare-4.0 mm, 86 Micron, galvanize, 750 kgs (Minimum Load Break)				
	* Installation and Banking of three(3) 15kVA Distribution Transformer and Components such as Cut out holder, Lighting Arrester,Hangers,Guy Support and etc. (Calibrated)				
	* Installation of 3 Units Current X-former 200:5 600 V (Calibrated)				
	* Installation of Edmi MK6E kWh meter, Class 0.2, CT rated, 3P3W/3PW, CT range 5/20A (With Smart Modem Accessories)(Calibrated)				
	*Testing, Commissioning, and Final Inspection				
	II. Calendar days to compelete				
	*** 1 MONTH (for Electrical Distribution Line Installation)**				
	III. General Requirement:				
	***All supplies and materials shall be of high-standard quality**				
	*All bidders are recommended to conduct an on-site assessment to evaluate existing conditions, logistical challenges, and the scope of work before proceeding with the bidding				
	*The list of materials provided is not limited to the items specified. If any additional materials are required to make the transformer functional, the bidder may procure them, provided that the total cost remains within the total budget.				
	*Includes Supply, Delivery, Pull-out and Installation,Testing and Commissioning in coordination with LEYECO to VSU Isabel				
	*Knowledgeable and Skilled team (A Registered Engineer, electrician/s and helper) with proper protective equipment and tools				
	*Must provide boom truck/manlift for the deliver and installation of electrical post, transformer and high-tension wires and for elevated works.				
	*Must provide backhoe/excavator for digging and securing electrical post.				
	*Must be a Supplier Accredited by Electric Cooperative				
	*Restoration of whatever damage done during installation shall be part of the contractors scope of work				
	*One year Service Warranty				
	NOTE:				
	The Energy Deposit Cost required by the LEYECO shall be provided and paid by the owner				
	Refer to the attached Bill of Materials and Program of Works for detailed costing				

Purpose: *The purpose of this purchase request is to procure the necessary materials, labor, and supervision of the extension of primary distribution line and installation of a 3-15 kva transformer to provide reliable electrical power to the Engineering Workshop and Engineering Building 5.*

Checked by:			Funds Available:
KENNETH ARVIN A. SUMALINOG			**CARLA FE N. CUESTA**
TWG - (Electricity)			Accounting II
Signature:	Requested by:	Noted by:	Approved by:
Printed Name:	**GERRY G. SUMALINOG**	**FE DAPHNEY C. RAMOS**	**CATHERINE L. CHAN**
Designation:	END-USER	Director, Office of the Administration and Finance	CHANCELLOR

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

VISAYAS STATE UNIVERSITY-ISABEL
INAVS, Isabel, Leyte

BILL OF MATERIALS

Project: **TO SUPPLY MATERIALS, LABOR, AND SUPERVISION FOR THE EXTENSION OF PRIMARY DISTRIBUTION LINE AND INSTALLATION OF A 3-15 KVA TRANSFORMER, 7620 PRIMARY CENTER TAP, 120/240V SECONDARY 3-PHASE, CU TO CU WINDING, AMORPHOUS TYPE, POLE-MOUNTED TYPE TRANSFORMER BANK**

Project Description:

The project involves supplying materials, labor, and supervision for the installation of a three-phase transformer bank using three (3) 15 kVA single-phase, pole-mounted, oil-immersed, self-cooled transformers. These transformers, each rated at 7,620 V primary (center-tapped) and 120/240 V secondary, with copper to copper windings, bushing outdoor type and amorphous type transformer, will be connected to provide power to the Engineering Workshop and Engineering Building 5.

Itrem No.	UNIT	ITEM DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
1	mtrs	10 KV ACSR/AW-OC Wire, Insulated, stranded #1AWG/38mm^2	600	230.00	138,000.00
2	length	Pole, Steel, 35', Bare-4.0 mm, 86 Micron, galvanize, 750 kgs (Minimum Load Break)	6	40,000.00	240,000.00
3	pcs	Cross arm Steel , 3" x 4" x 8', 3mm Hot Dip Galvanized	12	2,000.00	24,000.00
4	pcs	V-Brace steel (standard)	6	1,500.00	9,000.00
5	pcs	Steel Pin pole with Polymer insulator, 15KV	30	1,000.00	30,000.00
6	set	Quadrant dead end clamp aluminum forged 2/0	12	1,000.00	12,000.00
7	set	Dead end suspension polymer insulation 15kV	12	1,200.00	14,400.00
8	set	Machine Bolt 5/8" x 10 " hot dip galvanized with locknut & washer	20	400.00	8,000.00
9	pcs	Hycrimp compression tap for 14mm-2/0 ACSR wire	15	400.00	6,000.00
10	set	Eye Bolt 5/8 " x 10 " with locknut & washer	25	200.00	5,000.00
11	set	Eye Bolt 5/8 " x 14 " with locknut & washer	25	300.00	7,500.00
12	set	Secondary bracket (Shackle insulator) with insulator for electrical pole secondary line	12	350.00	4,200.00
13	set	Angle eye thimble bolt 5/8" x 12" with locknut and washer	2	300.00	600.00
14	set	Angle eye thimble bolt 5/8" x 48" with locknut and washer	2	800.00	1,600.00
15	set	Machine bolt 1/2" x 6" galvanized with locknut and washers	25	100.00	2,500.00
16	set	Machine bolt 1/2" x 8" galvanized with locknut and washers	25	150.00	3,750.00
17	roll	Guy Wire Standard 1x7 4.2Mm -10Mm Galvanized steel wire (10m/roll)	2	2,500.00	5,000.00
18	pcs	Guy grip 1/7" 3 Standard Hot Dip Galvanized	10	150.00	1,500.00
19	pcs	Galvanize Guy Clamp 3 bolt	6	250.00	1,500.00
20	set	15 KVA single phase, Oil emersed self-cooled continual rating outdoor type transformer 7620 volts primary center tap ,120/240 Volts secondary, copper to copper (primary & secondary winding),bushing outdoor type, Amorphous type(must be calibrated)	3	112,000.00	336,000.00

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

21	pcs	Cut-out fuse 15kV polymer insulator with Lighting arrester 15kV polymer insulator	3	11,000.00	33,000.00
22	unit	Current X-former 200:5 600 V	3	6,100.00	18,300.00
23	assy	Edmi MK6E kWh meter, Class 0.2, CT rated, 3P3W/3PW, CT range 5/20A (With Smart Modem Accessories)	1	50,500.00	50,500.00
24	assy	Meter Box/Enclosure, NEMA-3R, GI GUAGE #16, Powder Coated with Provision for test switch/block and for metering installation(EDMI)	1	7,500.00	7,500.00
25	set	Transfomer Pole Mounting Bracket 3 phase	3	3,500.00	10,500.00
26	pcs	Link, Fuse, Universal, Bottom Head, Type K, 15 A	3	980.00	2,940.00
27	pcs	clamp, Hot line, #2 - #4/0 ACSR Main to #2 - #4/0	1	1,030.00	1,030.00
28	pcs	Current Transfomer Box (13x 21x10) For 3 phase	1	12,900.00	12,900.00
29	meter	Royal Cord, Stranded 12 AWG, 4Core, 60°C, 600 V, copper(IFB 2021-06)	30	150.00	4,500.00
30	meter	Copper Wire, TW, 8 mm^2, Stranded, 7C, Rated: 600 V @ 60°C	20	95.00	1,900.00
31	pcs	Electrical Tape, General Use, Black, 0.165 mm x 18 mm x 16 m, Flame Retardant	5	75.00	375.00
32	set	Grounding rod 5/8" x 7' copper coated with clamp	1	3,500.00	3,500.00
34	meters	1000V ACSR/AW-OC Wire, bare, stranded #2AWG/30mm^2	200	90.00	18,000.00
		TOTAL			**1,015,495.00**

	PREPARED BY;	RECOMMENDING APPROVAL:	APPROVED:
SIGNATURE			
PRINTED NAME	**KENNETH ARVIN A. SUMALINOG**	**FE DAPHNEY C. RAMOS**	**CATHERINE L. CHAN**
DESIGNATION	TWG-ELECTRICITY	Director, Office of the Administration and Finance	Chancellor

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

VISAYAS STATE UNIVERSITY-ISABEL
INAVS, Isabel, Leyte

PROGRAM OF WORK

TO SUPPLY MATERIALS, LABOR, AND SUPERVISION FORTHE EXTENSION OF PRIMARY DISTRIBUTION LINE AND INSTALLATION OF A 3-15 KVA TRANSFORMER, 7620 PRIMARY CENTER TAP, 120/240V SECONDARY 3-PHASE, CU TO CU WINDING, AMORPHOUS TYPE, POLE-MOUNTED TYPE TRANSFORMER BANK

Project Description:

The project involves supplying materials, labor, and supervision for the extension of the primary distribution line and the installation of a three-phase transformer bank using three (3) 15 kVA single-phase, pole-mounted, oil-immersed, self-cooled transformers. These transformers, each rated at 7,620 V primary (center-tapped) and 120/240 V secondary, with copper-to-copper windings, bushing outdoor type, and amorphous core, will be connected to provide power to the Engineering Workshop and Engineering Building 5.

Amount of the Project: **₱1,421,693.00**

	Description of Work	Materials				Total Cost
		Qty	Unit	Description	Unit Cost	
1	Installation of Poles and Supports	6	Length	Pole, Steel, 35', Bare-4.0 mm, 86 Micron, galvanize, 750 kgs (Minimum Load Break)	40,000.00	240,000.00
		12	pcs	Cross arm Steel ,8 feet (Standard)	2,000.00	24,000.00
		6	pcs	V-Brace steel (standard)	1,500.00	9,000.00
		2	roll	Guy Wire Standard 1x7 4.2Mm -10Mm Galvanized steel wire (10m/roll)	2,500.00	5,000.00
		10	pcs	Guy grip 1/7" 3 Standard Hot Dip Galvanized	150.00	1,500.00
		6	pcs	Galvanize Guy Clamp 3 bolt	250.00	1,500.00
		25	set	Eye Bolt 5/8 " x 10 " with locknut & washer	200.00	5,000.00
		12	set	Secondary bracket (Shackle insulator) with insulator for electrical pole secondary line	350.00	4,200.00
		2	set	Angle eye thimble bolt 5/8" x 12" with locknut and washer	300.00	600.00
		2	set	Angle eye thimble bolt 5/8" x 48" with locknut and washer	800.00	1,600.00
		20	set	Machine Bolt 5/8" x 10 " with locknut & washer	400.00	8,000.00
		25	set	Machine bolt 1/2" x 6" galvanized with locknut and washers	100.00	2,500.00
		25	set	Machine bolt 1/2" x 8" galvanized with locknut and washers	150.00	3,750.00
		25	set	Eye Bolt 5/8 " x 14 " with locknut & washer	300.00	7,500.00
2	Installation of Conductors	600	meters	10 KV ACSR/AW-OC Wire, Insulated, stranded #1AWG/38mm²	230.00	138,000.00
		30	pcs	Steel Pin pole with Polymer insulator, 15KV	1,000.00	30,000.00
		12	set	Quadrant dead end clamp aluminum forged 2/0	1,000.00	12,000.00
		12	set	Dead end suspension polymer insulation 15kV	1,200.00	14,400.00
3	Installation and Calibration of Transfomers	3	set	15 KVA single phase, Oil emersed self-cooled continual rating outdoor type transformer 7620 volts primary center tap ,120/240 Volts secondary, copper to copper (primary & secondary winding),bushing outdoor type, Amorphous type(must be: calibrated)	112,000.00	336,000.00
		3	set	Cut-out fuse 15kV polymer insulator with Lighting arrester 15kV polymer insulator	11,000.00	33,000.00
		3	unit	Current X-former 200:5 600 V	6,100.00	18,300.00
		1	assy	Meter Box/Enclosure, NEMA-3R, GI GUAGE #16, Powder Coated with Provision for test switch/block and for metering installation(EDMI)	7,500.00	7,500.00
		3	pcs	Link, Fuse, Universal, Bottom Head, Type K, 15 A	980.00	2,940.00
		3	pcs	Transfomer Pole Mounting Bracket 3 phase	3,500.00	10,500.00
		1	pcs	clamp, Hot line, #2 - #4/0 ACSR Main to #2 - #4/0	1,030.00	1,030.00
		30	meters	Royal Cord, Stranded 12 AWG, 4Core, 60°C, 600 V, copper(IFB 2021-06)	150.00	4,500.00
		1	pcs	Current Transfomer Box (13x 21x10) For 3 phase	12,900.00	12,900.00
		1	assy	Edmi MK6E kWh meter, Class 0.2, CT rated, 3P3W/3PW, CT range 5/20A (With Smart Modem Accessories)	50,500.00	50,500.00
		20	meters	Copper Wire, TW, 8 mm², Stranded, 7C, Rated: 600 V @ 60°C	95.00	1,900.00
		200	meters	1000V ACSR/AW-OC Wire, bare, stranded #2AWG/30mm²	90.00	18,000.00
		1	set	Grounding rod 5/8" x 7' hot dip galvanized copper coated with clamp	3,500.00	3,500.00
		5	pcs	Electrical Tape, General Use, Black, 0.165 mm x 18 mm x 16 m, Flame Retardant	75.00	375.00
		15	set	Hycrimp compression tap for 14mm-2/0 ACSR wire	400.00	6,000.00
6	Final testing and Energization					
				Total		**1,015,495.00**

COST OF THE PROJECT	
Materials	**₱1,015,495.00**
Labor	**₱355,423.25**
Overhead Cost	**₱50,774.75**
Grand Total	**₱1,421,693.00**

Prepared by:
KENNETH [illegible]
TWG-ELECTRICITY

Recommending Approval:
FE DAPHNEY C. RAMOS
Director, Office of the Administration and Finance

Approved:
CATHERINE L. CHAN
Chancellor

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

VISAYAS STATE UNIVERSITY - ISABEL
Marvel, Isabel, Leyte

PURCHASE REQUEST

DEPT./OFFICE:	Office of the Director for Administration & Finance	Fund Source:	PR NO.	2025-09-003	DATE 2025/9/2
Section/End - user:	GERRY G. SUMALINOG	GF	Category:	POWER SYSTEM	

ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
1	**SUPPLY AND DELIVERY OF MATERIALS FOR ELECTRICAL REHABILITATION AND FIRE DETECTION SYSTEM FOR ENGINEERING WORKSHOP AND ENGINEERING BUILDING "5"**	lot	1	612,590.00	612,590.00
	ENGINEERING WORKSHOP BUILDING				
	#14 AWG/2.0mmsq THHN stranded copper wire fire retardant				
	#12 AWG/3.5mmsq THHN stranded copper wire fire retardant				
	#10 AWG/5.5mmsq THHN stranded copper wire fire retardant				
	#8 AWG/8.0mmsq THHN stranded copper wire fire retardant				
	#1 AWG/38mmsq THHN stranded copper wire fire retardant				
	Single switch luminous flush type				
	Two gang switch luminous flush type				
	Louver Housing Reflectorize surface type 2x18w 4ft				
	LED fluorecent light 18 watts 4ft with housing				
	Pin light round recessed type 9W daylight				
	Convenience outlet 2gang Universal with shutter				
	Convenience outlet single Universal				
	Emergency light 2x3w heavy duty				
	Octagonal Junction box				
	Utility box surface box				
	PVC square box 4x4x2				
	LED bulb 9 watts				
	Receptacle socket #4				
	KSB Safety Circuit Breaker 20 amperes three phase				
	KSB Safety Circuit Breaker 30 amperes three phase				
	Grounding Rod copper coated 6ft with clamp				
	PVC pipe 1/2 shedule 20 heavy duty				
	PVC pipe 3/4 shedule 20 heavy duty				
	PVC pipe 1¼ shedule 20 heavy duty				
	PVC elbow 1¼ heavy duty				
	Elecrtrical tape superadhesive				
	PVC clip 1/2 heavyduty				
	PVC clip 3/4 heavyduty				
	Stainless clip 1 1/4 heavyduty				
	(LP) -Panel board dead front three phase pure copper busbar 125 amperes MCCB 3 phase center main with grounding terminal bolt-on type 15kAIC Branches				
	Branches:				
	2- 15AT/50AF, 2P,10KAIC,MCB				
	3- 20AT/50AF, 2P,10KAIC,MCB				
	4- 20AT/50AF, 3P,10KAIC,MCB				
	6- 30AT/50AF, 2P,10KAIC,MCB				
	1- 30AT/50AF, 3P,15KAIC,MCB				
	ENGINEERING BUILDING 5				
	#12 AWG/3.5mmsq THHN stranded copper wire fire retardant				
	#12 AWG/3.5mmsq TW(G) stranded copper wire fire retardant				
	#10 AWG/5.5mmsq THHN stranded copper wire fire retardant				
	#6 AWG/14mmsq THHN stranded copper wire fire retardant				
	#2 AWG/30mmsq THHN stranded copper wire fire retardant				
	Single switch luminous flush type				
	Three gang switch luminous flush type				

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BOR & University Secretary
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	Two gang switch luminous flush type				
	Louver Housing Reflectorize surface type 2x18w 4ft				
	LED fluorecent light 18 watts 4ft with housing				
	Pin light round recessed type 9W daylight				
	Convenience outlet 2gang Universal with shutter				
	Convenience outlet single Universal				
	Emergency light 2x3w heavy duty				
	Octagonal Junction box				
	Utility box surface box				
	PVC square box 4x4x2				
	KSB Safety Circuit Breaker 30 amperes three phase				
	Grounding Rod copper coated 6ft with clamp				
	PVC pipe 1/2 shedule 20 heavy duty				
	PVC pipe 3/4 shedule 20 heavy duty				
	PVC pipe 1¼ shedule 20 heavy duty				
	PVC elbow 1¼ heavy duty				
	Elecrtrical tape superadhesive				
	PVC clip 1/2 heavyduty				
	PVC clip 3/4 heavyduty				
	Stainless clip 1 1/4 heavyduty				
	Main Disconnection Swicth 175A/175AF 3P,15kAIC, MCCB with NEMA 3R Enclosure				
	#2/0 AWG/60mmsq THHN stranded copper wire fire retardant				
	PVC pipe 1½ shedule 20 heavy duty				
	PVC elbow 1½ heavy duty				
	Stainless clip 1 ½ heavyduty				
	(LP) -Panel board dead front three phase pure copper busbar 125				
	Branches:				
	2- 15AT/50AF, 2P,10KAIC,MCB				
	3- 20AT/50AF, 2P,10KAIC,MCB				
	4- 20AT/50AF, 3P,10KAIC,MCB				
	6- 30AT/50AF, 2P,10KAIC,MCB				
	1- 30AT/50AF, 3P,15KAIC,MCB				
	FIRE DETECTION AND ALARM SYSTEM				
	Fire alarm control panel 4 zones conventional 220VAC input 24VDC outout				
	Smoke detector 24VDC input conventional				
	Manual call point 24VDC input conventional				
	Alarm bell 8'' 24VDC input conventional				
	#16 AWG Thermoplastic wire (TF) single stranded				
	PVC pipe 1/2 shedule 20 heavy duty				
	PVC clip 1/2 heavyduty				
	Octagonal Junction box				
	Fire Extinguisher ABC 4.5lb				

PURPOSE:	*For the electrical rehabilitation of the Engineering Workshop and Engineering Building "5" and Installation of Fire Dectetion and alarm system*		
Checked by:	**KENNETH ARVIN A. SUMALINOG**		**CARLA FE N. CUESTA**
	TWG - (Electricity)		ACCOUNTING II
Signature:	Requested by:	Noted by:	Approved by:
Printed Name:	**GERRY G. SUMALINOG**	**FE DAPHNEY C. RAMOS**	**CATHERINE L. CHAN**
Designation:	END-USER	Director, Office of the Administration and	CHANCELLOR

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

BILL OF MATERIALS

Project: **SUPPLY AND DELIVERY OF MATERIALS FOR ELECTRICAL REHABILITATION AND FIRE DETECTION AND ALARM SYSTEM FOR ENGINEERING WORKSHOP AND ENGINEERING BUILDING "5"**

Project Description:

This project involves the supply and delivery of materials necessary for the electrical rehabilitation of the Engineering Workshop and Engineering Building 5, including components for a Fire Detection and Alarm System. The bidder will provide and deliver all required materials, such as electrical equipments and fire alarm system components.

Itrem No.	UNIT	ITEM DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
		ENGINEERING WORKSHOP BUILDING			
1	boxes	#14 AWG/2.0mmsq THHN stranded copper wire fire retardant	3	3,800.00	11,400.00
1	boxes	#12 AWG/3.5mmsq THHN stranded copper wire fire retardant	3	4,500.00	13,500.00
2	boxes	#10 AWG/5.5mmsq THHN stranded copper wire fire retardant	2	6,000.00	12,000.00
3	meters	#8 AWG/8.0mmsq THHN stranded copper wire fire retardant	15	70.00	1,050.00
4	meters	#1 AWG/38mmsq THHN stranded copper wire fire retardant	110	450.00	49,500.00
5	pcs	Single switch luminous flush type	6	120.00	720.00
6	pcs	Two gang switch luminous flush type	4	160.00	640.00
7	set	Louver Housing Reflectorize surface type 2x18w 4ft	10	2,000.00	20,000.00
8	set	LED fluorecent light 18 watts 4ft with housing	2	380.00	760.00
9	pcs	Pin light round recessed type 9W daylight	5	350.00	1,750.00
10	pcs	Convenience outlet 2gang Universal with shutter	12	290.00	3,480.00
11	pcs	Convenience outlet single Universal	7	130.00	910.00
12	set	Emergency light 2x3w heavy duty	7	2,500.00	17,500.00
13	pcs	Octagonal Junction box	20	50.00	1,000.00
14	pcs	Utility box surface box	30	50.00	1,500.00
15	pcs	PVC square box 4x4x2	3	120.00	360.00
16	pcs	LED bulb 9 watts	4	110.00	440.00
17	pcs	Receptacle socket #4	4	60.00	240.00
18	set	KSB Safety Circuit Breaker 20 amperes three phase	4	1,200.00	4,800.00
19	set	KSB Safety Circuit Breaker 30 amperes three phase	1	1,200.00	1,200.00
20	length	Grounding Rod copper coated 6ft with clamp	1	3,000.00	3,000.00
21	length	PVC pipe 1/2 shedule 20 heavy duty	100	115.00	11,500.00
22	length	PVC pipe 3/4 shedule 20 heavy duty	30	130.00	3,900.00
23	length	PVC pipe 1¼ shedule 20 heavy duty	14	700.00	9,800.00
24	pcs	PVC elbow 1¼ heavy duty	3	100.00	300.00
25	rolls	Elecrtrical tape superadhesive	50	85.00	4,250.00
26	packs	PVC clip 1/2 heavyduty	3	320.00	960.00
27	packs	PVC clip 3/4 heavyduty	1	400.00	400.00
28	pcs	Stainless clip 1 1/4 heavyduty	10	45.00	450.00
29	assy	**(LP)** -Panel board dead front three phase pure copper busbar 125 amperes MCCB 3 phase center main with grounding terminal bolt-on type 15kAIC	1	60,000.00	60,000.00
		Branches :			
		2- 15AT/50AF, 2P,10KAIC,MCB			

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BOR & University Secretary
2025-119

		3- 20AT/50AF, 2P,10KAIC,MCB				
		4- 20AT/50AF, 3P,10KAIC,MCB				
		6- 30AT/50AF, 2P,10KAIC,MCB				
		1- 30AT/50AF, 3P,15KAIC,MCB				
		ENGINEERING BUILDING "5"				
1	boxes	#14 AWG/2.0mmsq THHN stranded copper wire fire retardant	3	3,800.00		11,400.00
1	boxes	#12 AWG/3.5mmsq THHN stranded copper wire fire retardant	3	4,500.00		13,500.00
2	boxes	#12 AWG/3.5mmsq TW(G) stranded copper wire fire retardant	1	4,300.00		4,300.00
3	boxes	#10 AWG/5.5mmsq THHN stranded copper wire fire retardant	2	6,000.00		12,000.00
4	meters	#6 AWG/14mmsq THHN stranded copper wire fire retardant	15	150.00		2,250.00
5	meters	#2 AWG/30mmsq THHN stranded copper wire fire retardant	130	400.00		52,000.00
6	pcs	Single switch luminous flush type	3	120.00		360.00
7	pcs	Two gang switch luminous flush type	1	160.00		160.00
8	pcs	Three gang switch luminous flush type	1	170.00		170.00
9	set	Louver Housing Reflectorize surface type 2x18w 4ft	12	2,000.00		24,000.00
10	set	LED fluorecent light 18 watts 4ft with housing	6	380.00		2,280.00
11	pcs	Pin light round recessed type 9W daylight	3	350.00		1,050.00
12	pcs	Convenience outlet 2gang Universal with shutter	20	290.00		5,800.00
13	pcs	Convenience outlet single Universal	7	130.00		910.00
14	set	Emergency light 2x3w heavy duty	7	2,500.00		17,500.00
15	pcs	Octagonal Junction box	25	50.00		1,250.00
16	pcs	Utility box surface box	40	50.00		2,000.00
17	pcs	PVC square box 4x4x2	4	120.00		480.00
18	set	KSB Safety Circuit Breaker 30 amperes three phase	1	1,200.00		1,200.00
19	length	Grounding Rod copper coated 6ft with clamp	1	3,000.00		3,000.00
20	length	PVC pipe 1/2 shedule 20 heavy duty	100	115.00		11,500.00
21	length	PVC pipe 3/4 shedule 20 heavy duty	40	130.00		5,200.00
22	length	PVC pipe 1¼ shedule 20 heavy duty	17	700.00		11,900.00
23	pcs	PVC elbow 1¼ heavy duty	4	100.00		400.00
24	rolls	Elecrtrical tape superadhesive	30	85.00		2,550.00
25	packs	PVC clip 1/2 heavyduty	3	320.00		960.00
26	packs	PVC clip 3/4 heavyduty	1	400.00		400.00
27	pcs	Stainless clip 1 1/4 heavyduty	10	45.00		450.00
28	assy	Main Disconnection Swicth 175A/175AF 3P,15kAIC, MCCB with NEMA 3R Enclosure	1	20,000.00		20,000.00
29	meters	#2/0 AWG/60mmsq THHN stranded copper wire fire retardant	40	700.00		28,000.00
30	length	PVC pipe 1½ shedule 20 heavy duty	3	900.00		2,700.00
31	pcs	PVC elbow 1½ heavy duty	4	200.00		800.00
32	pcs	Stainless clip 1 ½ heavyduty	10	100.00		1,000.00
33	assy	**(LP)** -Panel board dead front three phase pure copper busbar 80 amperes MCCB 3 phase center main with grounding terminal bolt-on type 15kAIC	1	50,000.00		50,000.00
		Branches :				
		2- 15AT/50AF, 2P,10KAIC,MCB				
		5- 20AT/50AF, 2P,10KAIC,MCB				
		4- 20AT/50AF, 3P,10KAIC,MCB				
		1- 30AT/50AF, 3P,15KAIC,MCB				
		3- 30AT/50AF, 3P,15KAIC,MCB				

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

		FIRE DETECTION AND ALARM SYSTEM				
1	set	Fire alarm control panel 4 zones conventional 220VAC input 24VDC outout	1	27,000.00		27,000.00
2	pcs	Smoke detector 24VDC input conventional	13	900.00		11,700.00
3	pcs	Manual call point 24VDC input conventional	4	900.00		3,600.00
4	pcs	Alarm bell 8" 24VDC input conventional	4	2,000.00		8,000.00
5	rolls	#16 AWG Thermoplastic wire (TF) single stranded	3	3,600.00		10,800.00
6	length	PVC pipe 1/2 shedule 20 heavy duty	100	115.00		11,500.00
7	packs	PVC clip 1/2 heavyduty	3	320.00		960.00
8	pcs	Octagonal Junction box	25	50.00		1,250.00
9	pcs	Fire Extinguisher ABC 4.5lb	3	3,000.00		9,000.00
		TOTAL				**612,590.00**

	PREPARED BY;	RECOMMENDING APPROVAL:	APPROVED:
SIGNATURE			
PRINTED NAME	**KENNETH ARVIN A. SUMALINOG**	**FE DAPHNEY C. RAMOS**	**CATHERINE L. CHAN**
DESIGNATION	TWG-ELECTRICITY	Director, Office of the Administration and Finance	Chancellor

BOR ACTION: APPROVAL

HAZELLE V. ASALDO
BOR & University Secretary
2025-119

VISAYAS STATE UNIVERSITY-ISABEL
INAVS, Isabel, Leyte

PROGRAM OF WORK

ELECTRICAL REHABILATION AND FIRE DETECTION AND ALARM SYSTEM INSTALLATION OF ENGINEERING WORKSHOP AND ENGINEERING BUILDING "5"

Project Description:

This is the second phase of the project, following the installation of the primary transformer. The electrical rehabilitation will proceed thereafter. This project involves the electrical rehabilitation and installation of a fire detection and alarm system for the Engineering Workshop and Engineering Building 5. The school will handle the electrical rehabilation of engineering buildings and installation of fire detection systems, while the bidder will supply and deliver all necessary materials.

Amount of the Project: **₱857,626.00**

	Description of Work	Materials					Labor/Equipment		
		Qty	Unit	Description	Unit Cost	Total Cost	No. of Workers	No. of Days	Amount
	Part 1 Rehabilation of Engineering workshop building								
1	**Removal of Old Electrical Components**						10	2	12,060.00
2	**Installation of Electrical Conduits and Rough-in wiring**	100	length	PVC pipe 1/2 shedule 20 heavy duty	115.00	11,500.00	10	3	18,090.00
		30	length	PVC pipe 3/4 shedule 20 heavy duty	130.00	3,900.00			
		14	length	PVC pipe 1¼ shedule 20 heavy duty	700.00	9,800.00			
		3	pcs	PVC elbow 1¼ heavy duty	100.00	300.00			
		3	packs	PVC clip 1/2 heavyduty	320.00	960.00			
		1	packs	PVC clip 3/4 heavyduty	400.00	400.00			
		10	pcs	Stainless clip 1 1/4 heavyduty	45.00	450.00			
		1	length	Grounding Rod copper coated 6ft with clamp	3,000.00	3,000.00			
		20	pcs	Octagonal Junction box	50.00	1,000.00			
		30	pcs	Utility box surface box	50.00	1,500.00			
		3	boxes	#14 AWG/2.0mmsq THHN stranded copper wire fire retardant	3,800.00	11,400.00			
		3	boxes	#12 AWG/3.5mmsq THHN stranded copper wire fire retardant	4,500.00	13,500.00			
		2	boxes	#10 AWG/5.5mmsq THHN stranded copper wire fire retardant	6,000.00	12,000.00			
		15	meters	#8 AWG/8.0mmsq THHN stranded copper wire fire retardant	70.00	1,050.00			
		110	meters	#1 AWG/38mmsq THHN stranded copper wire fire retardant	450.00	49,500.00			
		50	rolls	Elecrtrical tape superadhesive	85.00	4,250.00			
3	**Installation of Panel Board and Circuit Breaker**	1	ASSY	**(LP)** -Panel board dead front three phase pure copper busbar 125 amperes MCCB 3 phase center main with grounding terminal bolt-on type 15kAIC	60,000.00	60,000.00	10	1	6,030.00
				Branches :		-			
				2- 15AT/50AF, 2P,10KAIC,MCB		-			
				3- 20AT/50AF, 2P,10KAIC,MCB		-			
				4- 20AT/50AF, 3P,10KAIC,MCB		-			
				6- 30AT/50AF, 2P,10KAIC,MCB		-			
				1- 30AT/50AF, 3P,15KAIC,MCB		-			
		4	SET	KSB Safety Circuit Breaker 20 amperes three phase	1,200.00	4,800.00			
		1	SET	KSB Safety Circuit Breaker 30 amperes three phase	1,200.00	1,200.00			
4	**Installation of Lighting and Electrical Fixtures**	6	pcs	Single switch luminous flush type	120.00	720.00	10	3	18,090.00
		4	pcs	Two gang switch luminous flush type	160.00	640.00			
		10	set	Louver Housing Reflectorize surface type 2x18w 4ft	2,000.00	20,000.00			
		2	set	LED fluorecent light 18 watts 4ft with housing	380.00	760.00			
		5	pcs	Pin light round recessed type 9W daylight	350.00	1,750.00			
		12	pcs	Convenience outlet 2gang Universal with shutter	290.00	3,480.00			
		7	pcs	Convenience outlet single Universal	130.00	910.00			
		7	set	Emergency light 2x3w heavy duty	2,500.00	17,500.00			
		3	pcs	PVC square box 4x4x2	120.00	360.00			
		4	pcs	LED bulb 9 watts	110.00	440.00			
		4	pcs	Receptacle socket #4	60.00	240.00			
6	**Final testing and Inspection**						10	1	6,030.00
				Subtotal		**237,310.00**		**12 days**	**60,300.00**
	Part 2 Rehabilation of Engineering building 5								
1	**Removal of Old Electrical Components**						10	2	12,060.00
		100	length	PVC pipe 1/2 shedule 20 heavy duty	115.00	11,500.00			

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		40	length	PVC pipe 3/4 shedule 20 heavy duty	130.00	5,200.00			
		17	length	PVC pipe 1¼ shedule 20 heavy duty	700.00	11,900.00			
		4	pcs	PVC elbow 1¼ heavy duty	100.00	400.00			
		30	rolls	Elecrtrical tape superadhesive	85.00	2,550.00			
		3	packs	PVC clip 1/2 heavyduty	320.00	960.00			
		1	packs	PVC clip 3/4 heavyduty	400.00	400.00			
		10	pcs	Stainless clip 1 1/4 heavyduty	45.00	450.00	10	3	18,090.00
		1	length	Grounding Rod copper coated 6ft with clamp	3,000.00	3,000.00			
		25	pcs	Octagonal Junction box	50.00	1,250.00			
		40	pcs	Utility box surface box	50.00	2,000.00			
		4	pcs	PVC square box 4x4x2	120.00	480.00			
		3	length	PVC pipe 1½ shedule 20 heavy duty	900.00	2,700.00			
		4	pcs	PVC elbow 1½ heavy duty	200.00	800.00			
		10	pcs	Stainless clip 1 ½ heavyduty	100.00	1,000.00			
2	Installation of Electrical Conduits and Rough-in wiring	3	boxes	#14 AWG/2.0mmsq THHN stranded copper wire fire retardant	3,800.00	11,400.00			
		3	boxes	#12 AWG/3.5mmsq THHN stranded copper wire fire retardant	4,500.00	13,500.00			
		1	boxes	#12 AWG/3.5mmsq TW(G) stranded copper wire fire retardant	4,300.00	4,300.00			
		2	boxes	#10 AWG/5.5mmsq THHN stranded copper wire fire retardant	6,000.00	12,000.00			
		15	meters	#6 AWG/14mmsq THHN stranded copper wire fire retardant	150.00	2,250.00			
		130	meters	#2 AWG/30mmsq THHN stranded copper wire fire retardant	400.00	52,000.00			
		40	meters	#2/0 AWG/60mmsq THHN stranded copper wire fire retardant	700.00	28,000.00			
3	Installation of Panel Board and Circuit Breaker	1	ASSY	**(LP)** -Panel board dead front three phase pure copper busbar 80 amperes MCCB 3 phase center main with grounding terminal bolt-on type 15kAIC	50,000.00	50,000.00			
				Branches :		-			
				2- 15AT/50AF, 2P,10KAIC,MCB		-			
				3- 20AT/50AF, 2P,10KAIC,MCB		-			
				4- 20AT/50AF, 3P,10KAIC,MCB		-	10	1	6,030.00
				6- 30AT/50AF, 2P,10KAIC,MCB		-			
				1- 30AT/50AF, 3P,15KAIC,MCB		-			
		1	assy	*Main Disconnection Swicth 175A/175AF 3P,15kAIC, MCCB with NEMA 3R Enclosure*	20,000.00	20,000.00			
		1	set	KSB Safety Circuit Breaker 30 amperes three phase	1,200.00	1,200.00			
4	Installation of Lighting and Electrical Fixtures	3	pcs	Single switch luminous flush type	120.00	360.00			
		1	pcs	Two gang switch luminous flush type	160.00	160.00			
		1	pcs	Three gang switch luminous flush type	170.00	170.00			
		12	set	Louver Housing Reflectorize surface type 2x18w 4ft	2,000.00	24,000.00			
		6	set	LED fluorecent light 18 watts 4ft with housing	380.00	2,280.00	10	3	18,090.00
		3	pcs	Pin light round recessed type 9W daylight	350.00	1,050.00			
		20	pcs	Convenience outlet 2gang Universal with shutter	290.00	5,800.00			
		7	pcs	Convenience outlet single Universal	130.00	910.00			
		7	set	Emergency light 2x3w heavy duty	2,500.00	17,500.00			
5	Final testing and Inspection						10	1	6,030.00
				Subtotal		**291,470.00**		**12 days**	**54,270.00**
	FIRE DECTION AND ALARM SYSTEM								
		1	set	Fire alarm control panel 4 zones conventional 220VAC input 24VDC outout	27,000.00	27,000.00			
		13	pcs	Smoke detector 24VDC input conventional	900.00	11,700.00			
		4	pcs	Manual call point 24VDC input conventional	900.00	3,600.00			
		4	pcs	Alarm bell 8" 24VDC input conventional	2,000.00	8,000.00			
1	Installation of Fire alarm and Detection System	3	rolls	#16 AWG Thermoplastic wire (TF) single stranded	3,600.00	10,800.00	10	2	12,060.00
		100	length	PVC pipe 1/2 shedule 20 heavy duty	115.00	11,500.00			
		3	packs	PVC clip 1/2 heavyduty	320.00	960.00			
		25	pcs	Octagonal Junction box	50.00	1,250.00			
		3	pcs	Fire Extinguisher ABC 4.5lb	3,000.00	9,000.00			
2	Final testing and Inspection						10	1	6,030.00
				Subtotal		**83,810.00**		**3 days**	**18,090.00**
				TOTAL		**612,590.00**		**27 Days**	**132,660.00**

COST OF THE PROJECT	
Materials	**612,590.00**
Labor	**214,406.50**
Overhead Cost	**30,629.50**
Grand total	**857,626.00**

Prepared by:	Recommending Approval:	Approved:
KENNETH ARVIN A. SUMALINOG TWG-ELECTRICITY	**FE DAPHNEY C. RAMOS** Director, Office of the Administration and Finance	**CATHERINE L. CHAN** Chancellor

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Proposed Solution

We are seeking BOR approval to allocate a portion of the prior years' unutilized income from Internally Generated Funds, amounting to One Million Thirty-Five Thousand Three Hundred Forty-Two Pesos (₱1,035,342.00), as well as the mandatory reserve from the years 2018 to 2021, amounting to One Million Two Hundred Sixty-Four Thousand Five Hundred Twenty-Four Pesos (₱1,264,524.00). The total amount of Two Million Two Hundred Ninety-Nine Thousand Eight Hundred Sixty-Six Pesos (₱2,299,866.00) will be used for specific Programs, Projects, and Activities (PPAs), particularly for the Rehabilitation of Electricity Phases I and II in one of the Engineering Buildings located in the upper campus, which houses laboratory equipment.

PROGRAM/ACTIVITY/PROJECT OF EXPENDITURE	USES OF APPROPRIATIONS CHARGEABLE AGAINST PRIOR YEARS UNUTILIZED BALANCES		
	TUITION FEES		TUITION FEES
Capital Outlay			
Rehabilitation of Electricity in Engineering Buildings	1,264,524.00	1,035,342.00	2,299,866.00
GRAND TOTAL	**1,264,524.00**	**1,035,342.00**	**2,299,866.00**

The following details outline the proposed utilization:

To address these issues, we propose utilizing prior years' unutilized income from internally generated funds. This will finance the rehabilitation of the electrical system in one of the Engineering Buildings, ensuring:

- Stable and sufficient electricity supply
- Full utilization of academic and laboratory equipment
- Prevention of potential safety hazards
- Enhanced operational efficiency for both academic and administrative functions

Conclusion

Investing in the electrical system's rehabilitation is crucial for a safe and efficient learning environment. Allocating funds for this project will enhance campus operations, support student learning, and prevent future risks. We request approval for this proposal to improve VSU Isabel's infrastructure and service delivery.

Prepared by:

CATHERINE L. CHAN, Ph.D.
Chancellor

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CERTIFICATION

TO WHOM IT MAY CONCERN:

This is to certify that funds in the amount of **TWO MILLION TWO HUNDRED NINETY NINE THOUSAND EIGHT HUNDRED SIXTY-SIX PESOS ONLY (P2,299,866.00)** is allocated and available for the Rehabilitation of Power Supply for Visayas State University-Isabel. This amount will be charged against the Prior Years Unutilized Balances of Internally Generated Funds (IGF).

This certification is issued on the 11th day of April 2025 for whatever legal purpose it may serve.

Prepared by:

EMELY A. GALLER
Head, Budget Office

Certified correct:

CARLA FE N. CUESTA
Accountant II

Noted by:

FE DAPHNEY C. RAMOS
Director for Administration & Finance

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