Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

BAGONG PILIPINAS

REQUEST FOR QUOTATION

UPGRADING OF ELECTRICAL FACILITIES IN SLSU ALABAT (GSO-ALABAT)

Purchase Request No. 2025-09-2244
Approved Budget for the Contract: ₱ 500,000.00

The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Upgrading of Electrical Facilities in SLSU Alabat (GSO-Alabat)** to apply the sum of **Five Hundred Thousand Pesos Only (₱ 500,000.00) inclusive of VAT,** being the **Approved Budget for the Contract (ABC),** details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Upgrading of Electrical Facilities in SLSU Alabat

1. The quotation-n must be submitted (can also be send thru email at the contact details listed below) or to the Office of the Procurement Office/Bids and Awards Committee, Southern Luzon State University, 2nd Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : *slsuprocurement@slsu.edu.ph*

2. The SLSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/ informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. Southern Luzon State University SLSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.

MARIDEL C. ZABELLA
Director, Procurement Office
Southern Luzon State University
Lucban, Quezon
Tel. No.: (042)540-6519

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

BAGONG PILIPINAS

REQUEST FOR QUOTATION

Office/End-User:	**General Services Office - Alabat**	**Date:**	
COMPANY NAME:		**PR No.:**	**2025-09-2244**
ADDRESS :			
TEL. NO./FAX NO. :		**TIN No.:**	

Please quote your lowest price on the item(s) listed below, subject to the Terms & Conditions stated below and submit your quotation duly signed by your representative not later than _____ of _____ in the return envelope attached herewith to the Procurement office.

TERMS and CONDITIONS

1. *All entries must be typewritten or legibility written.*
2. *Delivery period within _____ upon conforme of the approved Purchase Order (P.O). Administratitive penalties to Sec. 69 of the Revised IRR-RA 1984 shall be imposed for non-delivery without valid reason.*
3. *Warranty shall be for a minimum of three (3) months for Supplies & Materials; (1) one year for Equipment from date of acceptance by the end-user.*
4. *Price validity shall be for a period of sixty (60) calendar days.*
5. *Suppliers required to submit updated documents yearly such as G-EPS Resgistration, Certificate of Tax, Mayor'sPermit, DTI, Bank Name/Account and Branch for evaluation of the Procurement Office upon submission of the quotation.*
6. *Bidders shall submit complete specifications showing products certification, if applicable.*
7. *Please indicate the brand for each items being offered.*
8. *The Approved budget celling for this procurement is PHP 500,000.00 .*

MARIDEL C. ZABELLA
Director, Procurement Office

Item #	Qty.	Unit	ITEM/S DESCRIPTION	Unit Price	Total Cost
	1	lot	Upgrading of Electrical Facilities in SLSU Alabat		

Source of Fund: PRE-STF
Delivery Period: 40 days

Warranty:
Price Validity:

After having carefully need & accepted your Genaral Conditions, We quote you on the item(s) at prices note above. If the space of providec on the Delivery Period, Warranty & Price Validity are left blank, it means that I concur w/ the Terms & Conditions specified by SLSU Procurement Office.

_____
Printed Name/Signature/Date

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Project Management Office
Lucban , Quezon

PROJECT TITLE : UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT
PROJECT LOCATION: SLSU Alabat Campus, Alabat, Quezon
OWNER : Southern Luzon State University
MODE OF IMPLEMENTATION : by Contract
PROJECT DESCRIPTION: UPGRADING OF ELECTRICAL SYSTEM FROM ECB TO LP/DP AND WIRING/REWIRING OF SLSU ALABAT
PROJECT DURATION : 40 DAYS

BILL OF MATERIALS

I. General Works (General Requirements)				
Quantity	Unit	Description	Unit Cost	Total Cost
1.00	lot	Mobilization / Demobilization		
1.00	lot	Project Identification & Signs, Tarpaulin with Marine Plywood Backing		
1.00	lot	Temporary facilities		
			Sub - Total P	

II. Electrical Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	set	ECB 250AT 2P, NEMA 1 SINGLE PHASE: (GE, SCHNEIDER or ABB) MAIN: 250AT/250AF, 2P, 230V, MCCB WITH COMPLETE LUGS AND ACCESSORIES		
	set	MDP, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 250AT/250AF, 2P, 230V, MCCB BRANCHES: 1PC-150AT/250AF, 2P, 230V, MCCB 2PCS-60AT/100AF, 2P, 230V, MCB 2PCS-30AT/50AF, 2P, 230V, MCB WITH COMPLETE LUGS AND ACCESSORIES		
	set	ADMIN BUILDING, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 150AT/250AF, 2P, 230V, MCCB BRANCHES: 4PCS-60AT/100AF, 2P, 230V, MCB WITH COMPLETE LUGS AND ACCESSORIES		

	set	MULTI-PURPOSE BUILDING, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION : (GE, SCHNEIDER or ABB) MAIN: 30AT/50AF, 2P, 230V, MCB BRANCHES: 8PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		
	set	CLASSROOM 1&2, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 60AT/100AF, 2P, 230V, MCB BRANCHES: 3PCS-30AT/50AF, 2P, 230V, MCB 1PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		
	set	COVERED COURT, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 30AT/50AF, 2P, 230V, MCB BRANCHES: 2PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		
	set	FACULTY, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 60AT/100AF, 2P, 230V, MCB BRANCHES: 3PCS-30AT/50AF, 2P, 230V, MCB 3PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		
	set	LIBRARY, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 60AT/100AF, 2P, 230V, MCB BRANCHES: 2PCS-30AT/50AF, 2P, 230V, MCB 3PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		

	set	DIRECTOR'S OFFICE, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 60AT/100AF, 2P, 230V, MCB BRANCHES: 4PCS-30AT/50AF, 2P, 230V, MCB 2PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		
	set	DIRECTOR'S OFFICE EXTENSION, NEMA 1 SINGLE PHASE MAIN WITH 2 POLE PROVISION: (GE, SCHNEIDER or ABB) MAIN: 60AT/100AF, 2P, 230V, MCB BRANCHES: 2PCS-30AT/50AF, 2P, 230V, MCB 3PCS-20AT/50AF, 2P, 230V, MCB WITH COMPLETE ACCESSORIES		
	pcs	2" dia PVC Pipes, 3m		
	roll	Flexible Hose3/4"Ø, 50m		
	lm	THHN Wire150 sq. mm		
	lm	THHN Wire 50 sq. mm		
	lm	THHN Wire 22 sq. mm		
	lm	THHN Wire 8.0 sq. mm		
	box	THHN Wire 5.5 sq.mm		
	box	THHN Wire 3.5 sq.mm		
1.00	lot	Consumables		
			Sub - Total	P

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Project Management Office
Lucban , Quezon

PROJECT TITLE : UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT
PROJECT LOCATION: SLSU Alabat Campus, Alabat, Quezon
OWNER : Southern Luzon State University
MODE OF IMPLEMENTATION : By Contract
ABC : P
PROJECT DESCRIPTION: UPGRADING OF ELECTRICAL SYSTEM FROM ECB TO LP/DP AND WIRING/REWIRING OF SLSU ALABAT
PROJECT DURATION : 40 Calendar Days

SUMMARY

ITEM	DESCRIPTION	COST OF MATERIALS	COST OF LABOR AND EQUIPMENT	TOTAL
I	General Works			
II	Electrical Works			
			TOTAL ESTIMATED DIRECT COST P	
	INDIRECT COST		*OVERHEAD, CONTINGENCIES & MISC.(OCM)* P	
			CONTRACTOR'S PROFIT P	
			VALUE ADDED TAX (VAT) P	
			TOTAL PROJECT COST P	

TOTAL PROJECT COST IN WORDS: _____

_____

CONTRACTOR/BIDDER: _____

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Southern Luzon State University
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OWNER: Southern Luzon State University
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PROJECT DURATION: 40 days
SUBJECT: Specification and Scope of works

MINIMUM TECHNICAL PERSONNEL AND EQUIPMENT

QUANTITY	MINIMUM TECHNICAL PERSONNEL
1	Electrical Technician

QUANTITY	MINIMUM EQUIPMENT
1 unit	Drill
1 unit	Ladder

Prepared by:

ENGR. IVAN GERALD B. MECIJA
Project Development Officer I

Reviewed by:

ENGR. MARK KEVIN A. MAKIPAGAY
Project Development Officer II

Recommending approval:

ENGR. MELVIN A. MAKIPAGAY
Director, Project Management Office

Approved by:

Frederick T. Villa, D.T
University President

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Southern Luzon State University
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SPECIFICATION OF MATERIALS AND FINISHES

GENERAL

- All materials shall be new and shall conform to the reference Code and Standard. All Materials and Equipment shall be subjected to testing.
- All items with specified approved brand, manufacturer, supplier, fabricator, trademark and the like shall be strictly followed.
- Electrical materials shall be as specified in the electrical drawing details as shown in the plans and bill of quantities.
- All lighting and Power Panels shall be NEMA-1 enclosure with three-phase main circuit breaker, 3 poles and/or single phase 2 poles circuit breaker in the branch circuits as detailed in drawing. Use only one (1) brand of circuit breaker. Preferred brand of circuit breakers is G.E., Schneider Electric, ABB, Fuji. or their equivalent in quality.
- All wires and cables shall comply with the requirements of the Underwriter's Laboratories, The ASTM and IPCEA as they apply in the particular.
- Wires and cables for lighting, power and auxiliary systems shall be nylon, jacketed, plastic insulated for 600 volts working pressure, type THHN/THWN unless otherwise noted. Type TW, colored white for grounding. Feeder cable shall be type THW-2.
- For lighting system, no wire smaller than 3.5 mm^2 THHN/THWN shall be used for homerun circuit.
- For power system, no wire smaller than 3.5 mm^2 THHN shall be used. Smallest size of grounding wire 3.5mm^2.
- All feeder cables/wires shall be color coded and as manufactured by the Phelps Dodge, Duraflex, or approved equal. A substitute of color coding can be by properly identifying phase wire with colored tape at each end. 1 mark of red tape for line A, 2 marks of yellow tape for line B and 3 marks of blue or black for line C. Color coding of wires are as follows:

1.1 Line A – Red
1.2 Line B – Yellow
1.3 Line C – Blue

Ground wire – White
Control wire – Yellow

- No conduits shall be used in any system smaller than 20mm diameter, electric trade size, Location and sizes of pull boxes shall be cleared to the Engineer prior to fabrication and installation.
- All materials and equipment to be installed shall be of approved quality and should be presented to the Owner for approval prior to installation.

- Other items not mentioned in the specifications but are included in the installation shall be subjected to be pre-approved by the owner.

SCOPE OF WORKS

I. ELECTRICAL WORKS

- All electrical works shall provide all materials and equipment and perform all the works necessary for the complete execution of the electrical system shown on the electrical drawings with the reference to the general construction drawings as herein specified, or both except as otherwise excluding the generality of the foregoing, shall include but not limited to the following principal items of the works.

- All works shall be in accordance with the governing codes and regulations of the latest edition of the Philippine Electrical Code, with the rules and regulations of the National and Local Authorities concerned in enforcement of electrical laws and ordinance and with the rules and regulation of the utility companies concerned.

- Supply and Installation of Panelboards

- Supply and Installation of Electrical Pipe line

- Supply and Installation of electrical wires for Classroom 1 &2

- Wiring and Re-wiring of SLSU Alabat buildings

- Request of assistance for Quezelco to Shut down and energize the transformer for Tapping of ECB 250AT 2P

- The Contractor shall coordinate the work with the Project Management office to expedite the implementation of the project, most specially, during the milestones of the project.

- The Contractor shall supply all finishing accessories and furnishing fixtures as may be approved by the power or representative and shall be installed by the Contractor whenever required by the Owner or Representative.

- All works must be done within the timeline calendar days given except for Sundays and Holidays.

- Testing and Commissioning

Republic of the Philippines
Southern Luzon State University
Project Management office
Lucban, Quezon

Prepared by:

ENGR. IVAN GERALD B. MECIJA
Project Development Officer I

Reviewed by:

ENGR. MARK KEVIN A. MAKIPAGAY
Project Development Officer II

Recommending approval:

ENGR. MELVIN A. MAKIPAGAY
Director, Project Management Office

Approved by:

Frederick A. Villa, D.T
University President

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PROJECT DURATION: 40 DAYS

GANTT CHART/CONSTRUCTION SCHEDULE

Item	Description	Duration (days)	Duration (Days)							
			5	10	15	20	25	30	35	40
I	**GENERAL WORKS**									
	Mobilization / Demobilization	5								
	Project Identification & Signs, Tarpaulin with Marine Plywood	30								
	Temporary facilities	30								
II	**ELECTRICAL WORKS**									
	Supply and Installation of Panelboards	15								
	Supply and Installation of Electrical Pipe line	10								
	Wiring and Re-wiring of SLSU Alabat buildings	15								
	Request of assistance for Quezelco to shutdown and energize the transformer for Tapping of ECB	5								
	Testing and Commissioning	5								

Prepared by:

Engr.Ivan Gerald B. Mecija
Project Development Officer I

Reviewed by:

Engr.Mark Kevin A. Makipagay
Project Development Officer II

Recommending Approval:

Engr. Melvin A. Makipagay
Director, Project Management Office

Approved by:

Dr. Frederick T. Villa
University President

PANEL : ECB 250AT 2P
240V,1Ø, 60Hz

MAIN : 250 AT, 2P, 230 V
USE : (2-150 sq.mm THHN Copper Wire) +
(1-22sq.mm THHN Copper Wire) in ▯▯mmØ

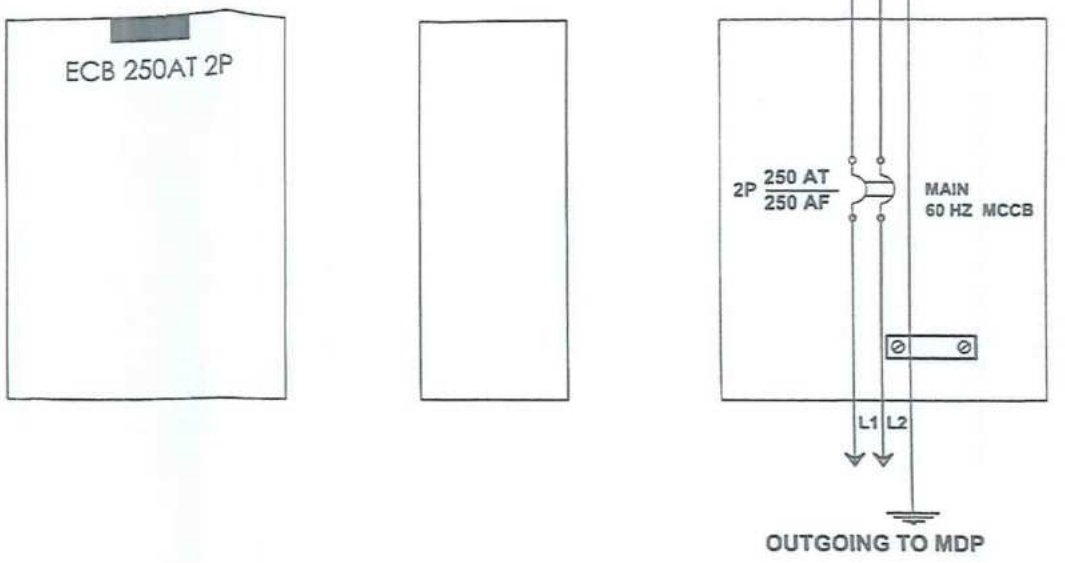
GENERAL ELECTRICAL NOTES:

1. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, APPLICABLE ORDINANCES, RULES AND REGULATIONS OF THE LOCAL GOVERNMENT AND REQUIREMENTS OF THE LOCAL POWER COMPANY.

2. ALL WIRING SHALL BE INSTALLED IN STANDARD CONDUITS RUN EMBEDDED IN CONCRETE AND HOLLOW BLOCK STRUCTURES,COLUMNS, WALLS, PARTITIONS, AND OR RUN CONCEALED BETWEEN DOUBLE WALL PARTITIONS AND INSIDE THE CEILING SPACES. WHERE THE USE OF THE CONCEALED CONDUIT WIRING IS IMPRACTICABLE, SURFACE METAL MOULDING MAYBE USED.

3. WHEREVER REQUIRED AND NECESSARY, PULL BOXES OR JUNCTION BOXES OF PROPER SIZES SHALL BE INSTALLED AT CONVENIENCE AND INCONSPICUOUS LOCATIONS,ALTHOUGH SUCH BOXES ARE NOT SHOWN ON THE PLAN NOR MENTIONED IN THE SPECIFICATIONS.

4. THE ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER AND REGISTERED MASTER ELECTRICIAN.



ARCHITECT/ CIVIL ENGINEER	PROJECT TITLE	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET #
PRC # / TIN # / PTR # / DATE ISSUED / PLACE ISSUED	UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT	ENGR. IVAN GERALD B. MECUA	ENGR. MARK KEVIN A. MAXIPAGAY	ENGR. MELVIN A. MAXIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT		E 01

PANEL : MDP
240V, 1Ø, 60Hz

LOAD SCHEDULE

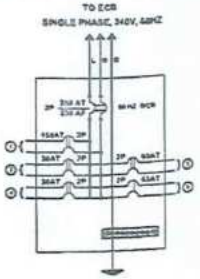
CKT. NO.	DESCRIPTION	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	GROUND	CONDUIT
1	ADMIN BUILDING	21100	230	91.73	150	250	2	2 - 50 sq. mm	2 - 14 sq. mm	50
2	MULTIPURPOSE BUILDING	3540	230	15.39	30	50	2	2 - 5.5 sq. mm	2 - 5.5 sq. mm	20
3	CLASSROOM 1 & 2	7900	230	34.34	60	100	2	2 - 8.0 sq. mm	2 - 5.5 sq. mm	20
4	COVERED COURT	2400	230	10.43	30	50	2	2 - 5.5 sq. mm	2 - 5.5 sq. mm	20
5	LABORATORY	11040	230	48	60	100	2	2 -8.0sq. mm	2 - 5.5 sq. mm	20
	TOTAL CONNECTED LOAD	45980		199.89						

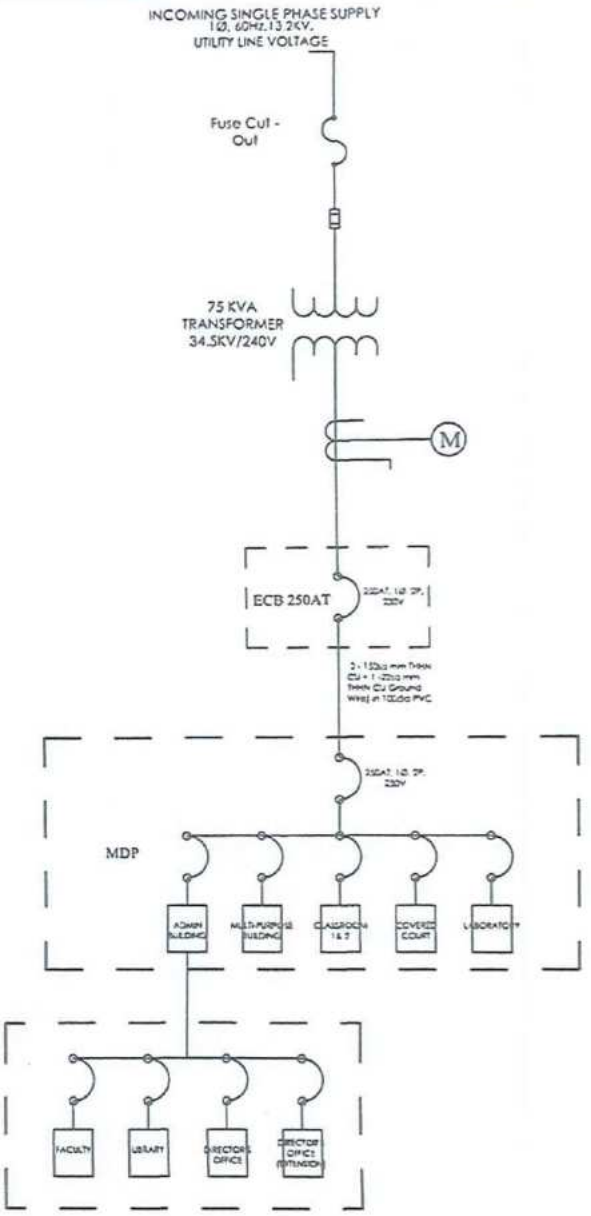
I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)

I_{TOTAL} = 199.89 x 125% = 249.86

MAIN : 250 AT, 2P, 230 V

USE : (2-150 sq.mm THHN Copper Wire) +
(1-22mm THHN Copper Wire) in 100mmØ





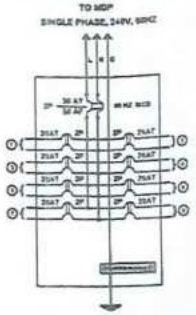
ARCHITECT/ CIVIL ENGINEER	PROJECT TITLE:	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET #
PRC # / TIN # / PTR # / DATE ISSUED / PLACE ISSUED	UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT	ENGR. IVAN GERALD B. MECUA	ENGR. MARIA HEMIA A. MAKIPAGAY	ENGR. MELVIN A. MAKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT		E 02

PANEL : MULTI-PURPOSE BUILDING
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	4	400	230	1.74	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	3	540	230	2.35	20	50	2	2 - 3.5 sq. mm	20
3	LIGHTING OUTLET	4	600	230	2.61	20	50	2	2 - 3.5 sq. mm	20
4	CONVENIENCE OUTLET	3	540	230	2.35	20	50	2	2 - 3.5 sq. mm	20
5	CEILING FAN	4	300	230	1.30	20	50	2	2 - 3.5 sq. mm	20
6	LIGHTING OUTLET	3	600	230	2.61	20	50	2	2 - 3.5 sq. mm	20
7	CONVENIENCE OUTLET	4	360	230	1.57	20	50	2	2 - 3.5 sq. mm	20
8	CEILING FAN	3	200	230	0.87	20	50	2	2 - 3.5 sq. mm	
	TOTAL CONNECTED LOAD		3540		15.39					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 15.39 x 125% = 19.24
MAIN : 30 AT, 2P, 230 V
USE : (2-5.5 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ

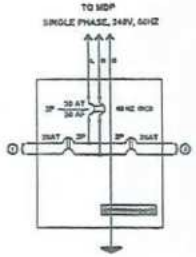


PANEL : COVERED COURT
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	15	1500	230	6.52	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	5	900	230	3.91	20	50	2	2 - 3.5 sq. mm	20
3	SPACE	-	-	-	-	-	-	-	-	-
	TOTAL CONNECTED LOAD		2400		10.43					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 10.43 x 125% = 13.04
MAIN : 30 AT, 2P, 230 V
USE : (2-5.5 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ

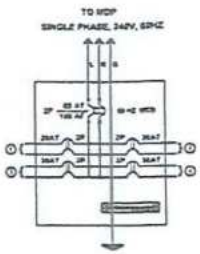


PANEL : CLASSROOM 1&2
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	9	900	230	3.91	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	12	2400	230	10.43	30	50	2	2 - 3.5 sq. mm	20
3	ACU 2HP	1	2300	230	10	30	50	2	2 - 3.5 sq. mm	20
4	ACU 2HP	1	2300	230	10	30	50	2	2 - 3.5 sq. mm	20
	TOTAL CONNECTED LOAD		7900		34.34					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 34.34 x 125% = 42.92
MAIN : 60 AT, 2P, 230 V
USE : (2-8.0 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ

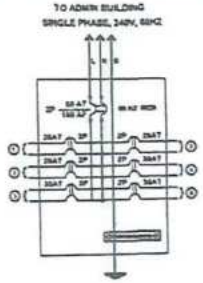


PANEL : FACULTY
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	8	800	230	3.48	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	6	1080	230	4.70	20	50	2	2 - 3.5 sq. mm	20
3	CEILING FAN	4	400	230	1.74	20	50	2	2 - 3.5 sq. mm	20
4	ACU 2HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
5	ACU 2HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
6	SPARE	-	-	-	-	30	50	2	-	-
	TOTAL CONNECTED LOAD		6880		29.91					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} =29.91 x 125% = 37.38
MAIN : 60 AT, 2P, 230 V
USE : (2-8.0 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ



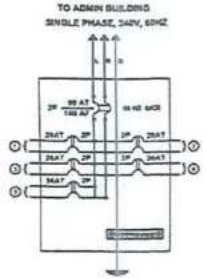
ARCHITECT/ CIVIL ENGINEER	PROJECT TITLE	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET #
PRC # / TIN # / PTR # / DATE ISSUED / PLACE ISSUED	UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT	ENGR. IVAN GERALD B. MECUA	ENGR. MARK KEVIN A. MAKIPAGAY	ENGR. MELVINA A. MAKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT		E 03

PANEL : LIBRARY
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	6	600	230	2.61	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	4	720	230	3.13	20	50	2	2 - 3.5 sq. mm	20
3	CEILING FAN	4	400	230	1.74	20	50	2	2 - 3.5 sq. mm	20
4	ACU 2HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
5	SPARE	-	-	-	-	30	50	2	-	-
	TOTAL CONNECTED LOAD		4020		17.48					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 17.48 x 125% = 21.85
MAIN : 60 AT, 2P, 230 V
USE : (2-8.0 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ

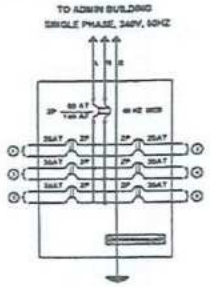


PANEL : DIRECTOR'S OFFICE
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	6	600	230	2.61	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	5	900	230	3.91	20	50	2	2 - 3.5 sq. mm	20
3	ACU 2HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
4	ACU 2HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
5	SPARE	-	-	-	-	30	50	2	-	-
6	SPARE	-	-	-	-	30	50	2	-	-
	TOTAL CONNECTED LOAD		6100		26.52					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 26.52 x 125% = 33.15
MAIN : 60 AT, 2P, 230 V
USE : (2-8.0 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ

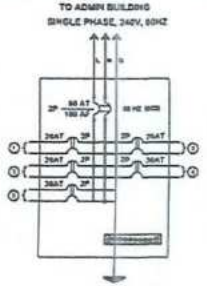


PANEL : DIRECTOR'S OFFICE (EXTENSION)
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	6	600	230	2.61	20	50	2	2 - 3.5 sq. mm	20
2	CONVENIENCE OUTLET	5	900	230	3.91	20	50	2	2 - 3.5 sq. mm	20
3	CEILING FAN	3	300	230	1.30	20	50	2	2 - 3.5 sq. mm	20
4	ACU 1.5HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
5	SPARE	-	-	-	-	30	50	2	-	-
	TOTAL CONNECTED LOAD		4100		17.82					

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 17.82 x 125% = 22.28
MAIN : 60 AT, 2P, 230 V
USE : (2-8.0 sq.mm THHN Copper Wire) +
(1-5.5mm THHN Copper Wire) in 20mmØ

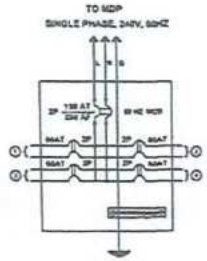


PANEL : ADMIN BUILDING
240V, 1Ø, 60Hz

LOAD SCHEDULE

CKT. NO.	DESCRIPTION	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	GROUND	CONDUIT
1	FACULTY	6880	230	29.91	60	100	2	2 - 8.0 sq. mm	2 - 5.5 sq. mm	32
2	LIBRARY	4020	230	17.48	60	100	2	2 - 8.0 sq. mm	2 - 5.5 sq. mm	32
3	DIRECTOR'S OFFICE	6100	230	26.52	60	100	2	2 - 8.0 sq. mm	2 - 5.5 sq. mm	32
4	DIRECTOR'S OFFICE EXTENSION	4100	230	17.82	60	100	2	2-8.0 sq. mm	2-5.5 sq. mm	32
	TOTAL CONNECTED LOAD	21100		91.73						

I_{TOTAL} = 3Ø + (Highest 1Ø)(1.732) + (.25 x Highest Motor Load)
I_{TOTAL} = 91.73 x 125% = 114.66
MAIN : 150 AT, 2P, 230 V
USE : (2-50 sq.mm THHN Copper Wire) +
(1-14mm THHN Copper Wire) in 50mmØ



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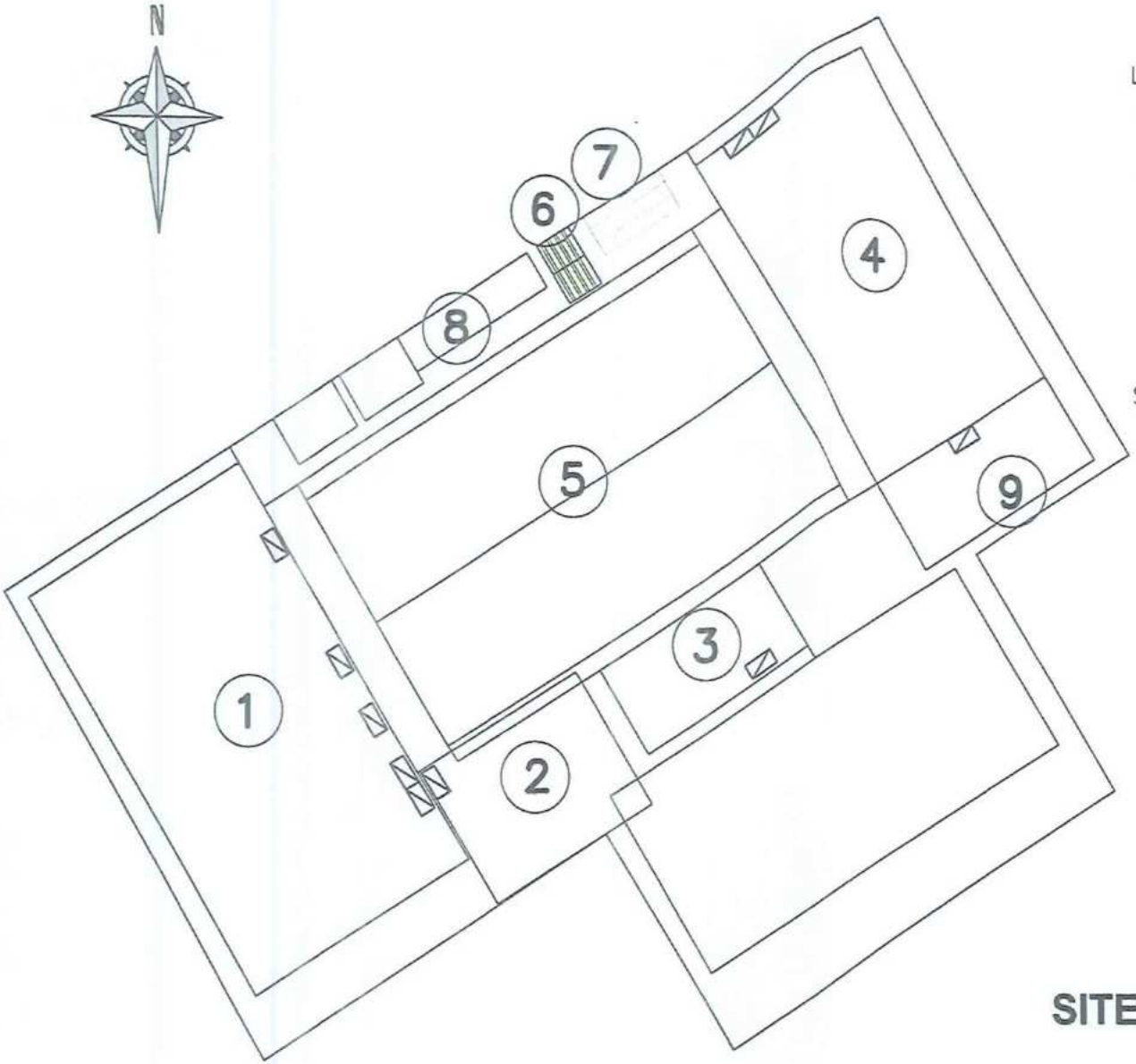

LEGEND:

1. ADMINISTRATION BUILDING
2. NATURAL SCIENCE BUILDING
3. STAGE
4. MULTIPURPOSE BUILDING
5. COVERED COURT
6. GUARD HOUSE
7. GATE
8. BLEACHER
9. ON–GOING ONE–STOREY TWO CLASSROOM BUILDING

SYMBOLS:

▨ PROPOSED PANELBOARD LOCATION

AREA:
2,020 SQM

SITE DEVELOPMENT PLAN

ARCHITECT/ CIVIL ENGINEER	PROJECT TITLE	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS	SHEET #
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