



Republic of the Philippines  
**SOUTHERN LUZON STATE UNIVERSITY**  
Lucban, Quezon



## 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, 2<sup>nd</sup> Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : [slsuprourement@slsu.edu.ph](mailto:slsuprourement@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  
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, Tarpauln 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 Hose 3/4"Ø, 50m		
	lm	THHN Wire 150 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/OP 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
OVERHEAD, CONTINGENCIES & MISC. ( OCM )				P
INDIRECT COST				
CONTRACTOR'S PROFIT				P
VALUE ADDED TAX ( VAT )				P
TOTAL PROJECT COST				P

TOTAL PROJECT COST IN WORDS: \_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR/BIDDER: \_\_\_\_\_



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

**PROJECT DESCRIPTION:** UPGRADING OF ELECTRICAL SYSTEM FROM ECB TO LP/DP AND WIRING/REWIRING OF SLSU ALABAT

**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. MECIA**  
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



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

**PROJECT TITLE:** UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT

**PROJECT LOCATION:** SLSU Alabat Campus, Alabat, Quezon

**OWNER:** Southern Luzon State University

**PROJECT DESCRIPTION:** UPGRADING OF ELECTRICAL SYSTEM FROM ECB TO LP/DP AND WIRING/REWIRING OF SLSU ALABAT

**PROJECT DURATION:** 40 days

**SUBJECT:** Specification and Scope of works

### 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<sup>2</sup> THHN/THWN shall be used for homerun circuit.
- For power system, no wire smaller than 3.5 mm<sup>2</sup> THHN shall be used. Smallest size of grounding wire 3.5mm<sup>2</sup>.
- 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	Ground wire – White
1.2 Line B – Yellow	Control wire – Yellow
1.3 Line C – Blue	



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

- 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

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

**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:

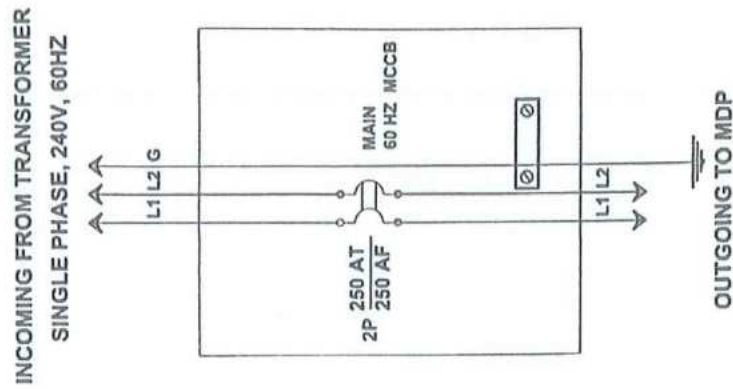
  
Dr. Frederick T. Villa  
University President



MAIN : 250 AT, 2P, 230 V  
USE : (2-150sq.mm THHN Copper Wire) +  
(1-22sq.mm THHN Copper Wire) in 10mmØ

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.

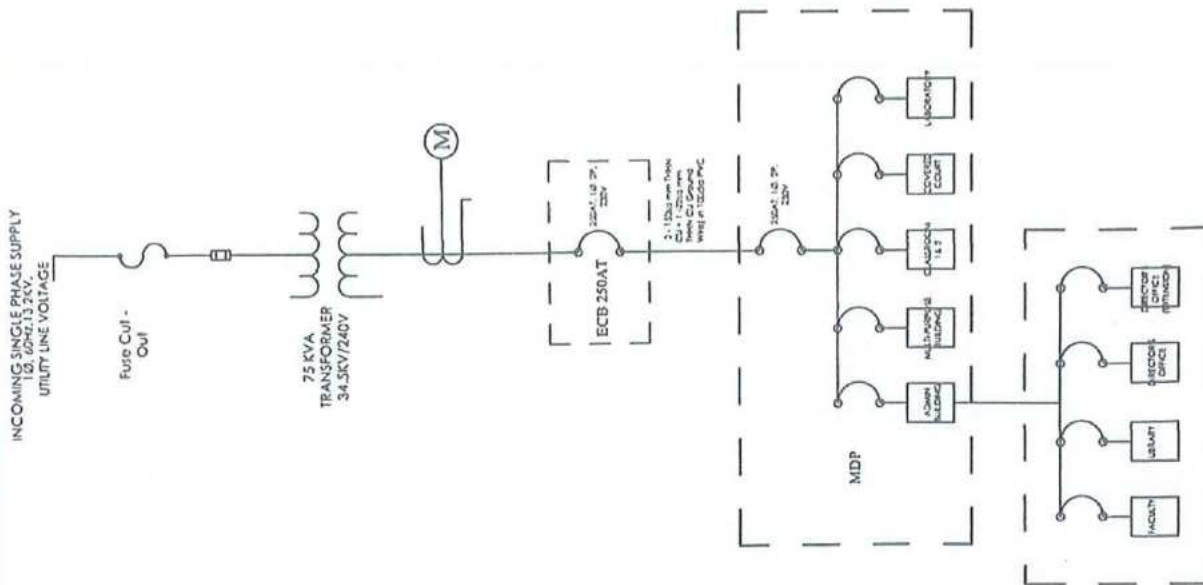
2. ALL WIRING SHALL BE INSTALLED IN STANDARD CONDUITS RUN EMBEDDED IN CONCRETE AND HOLLOW BLOCK STRUCTURES COLUMNS, WALLS, PARTITIONS, AND OR RUN CONCEALED BETWEEN DOUBLE WALL PARTITIONS AND INSIDE THE CEILING SPACES, WHERE THE USE OF THE CONCEALED CONDUIT WIRING IS IMPRACTICABLE, SURFACE METAL MouldING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



ECB 250AT 2P

[illegible]

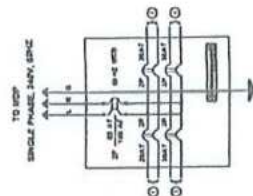
CIR. NO.	DESCRIPTION	LOAD SCHEDULE							CONDUIT
		VA	VCIT	AT	AF	P	PHASE	GROUND	
1	ADMIN BUILDING	21100	11.73	150	250	2	2-50 sq. mm	4-14 sq. mm	30
2	MULTI-PURPOSE BUILDING	33450	230	350	30	2	2-5.5 sq. mm	2-5.5 sq. mm	30
3	CLASSROOM 1 & 2	7900	200	34	63	100	2-8 sq. mm	2-5.5 sq. mm	30
4	CONVENT 2	2000	10.43	30	50	2	2-5.5 sq. mm	2-5.5 sq. mm	30
5	LABORATORY	11040	250	63	100	2	2-8 sq. mm	2-5.5 sq. mm	30
	TOTAL CONNECTED LOAD	48980		199.89					



ARCHITECT / CIVIL DESIGNER	PROJECT TITLE	PLANNED BY	REVIEWED BY	RECOMMENDED APPROVALS	APPROVED BY	SHEET CONTENTS	SHEET #
UPGRADING OF ELECTRICAL FACILITIES AT SUSU ALABAT		ENGR. MINNIE GERALD B. NECLUA	ENGR. MELVIN A. MAKIPAGAY	ENGR. MELVIN A. MAKIPAGAY	DR. FREDERICK T. VILLA		E 02
FIG. 1 PLAN	FIG. 2 PLAN	FIG. 3 PLAN	FIG. 4 PLAN	FIG. 5 PLAN	FIG. 6 PLAN	FIG. 7 PLAN	FIG. 8 PLAN
FIG. 9 PLAN	FIG. 10 PLAN	FIG. 11 PLAN	FIG. 12 PLAN	FIG. 13 PLAN	FIG. 14 PLAN	FIG. 15 PLAN	FIG. 16 PLAN
FIG. 17 PLAN	FIG. 18 PLAN	FIG. 19 PLAN	FIG. 20 PLAN	FIG. 21 PLAN	FIG. 22 PLAN	FIG. 23 PLAN	FIG. 24 PLAN
FIG. 25 PLAN	FIG. 26 PLAN	FIG. 27 PLAN	FIG. 28 PLAN	FIG. 29 PLAN	FIG. 30 PLAN	FIG. 31 PLAN	FIG. 32 PLAN
FIG. 33 PLAN	FIG. 34 PLAN	FIG. 35 PLAN	FIG. 36 PLAN	FIG. 37 PLAN	FIG. 38 PLAN	FIG. 39 PLAN	FIG. 40 PLAN
FIG. 41 PLAN	FIG. 42 PLAN	FIG. 43 PLAN	FIG. 44 PLAN	FIG. 45 PLAN	FIG. 46 PLAN	FIG. 47 PLAN	FIG. 48 PLAN
FIG. 49 PLAN	FIG. 50 PLAN	FIG. 51 PLAN	FIG. 52 PLAN	FIG. 53 PLAN	FIG. 54 PLAN	FIG. 55 PLAN	FIG. 56 PLAN
FIG. 57 PLAN	FIG. 58 PLAN	FIG. 59 PLAN	FIG. 60 PLAN	FIG. 61 PLAN	FIG. 62 PLAN	FIG. 63 PLAN	FIG. 64 PLAN
FIG. 65 PLAN	FIG. 66 PLAN	FIG. 67 PLAN	FIG. 68 PLAN	FIG. 69 PLAN	FIG. 70 PLAN	FIG. 71 PLAN	FIG. 72 PLAN
FIG. 73 PLAN	FIG. 74 PLAN	FIG. 75 PLAN	FIG. 76 PLAN	FIG. 77 PLAN	FIG. 78 PLAN	FIG. 79 PLAN	FIG. 80 PLAN
FIG. 81 PLAN	FIG. 82 PLAN	FIG. 83 PLAN	FIG. 84 PLAN	FIG. 85 PLAN	FIG. 86 PLAN	FIG. 87 PLAN	FIG. 88 PLAN
FIG. 89 PLAN	FIG. 90 PLAN	FIG. 91 PLAN	FIG. 92 PLAN	FIG. 93 PLAN	FIG. 94 PLAN	FIG. 95 PLAN	FIG. 96 PLAN
FIG. 97 PLAN	FIG. 98 PLAN	FIG. 99 PLAN	FIG. 100 PLAN	FIG. 101 PLAN	FIG. 102 PLAN	FIG. 103 PLAN	FIG. 104 PLAN
FIG. 105 PLAN	FIG. 106 PLAN	FIG. 107 PLAN	FIG. 108 PLAN	FIG. 109 PLAN	FIG. 110 PLAN	FIG. 111 PLAN	FIG. 112 PLAN
FIG. 113 PLAN	FIG. 114 PLAN	FIG. 115 PLAN	FIG. 116 PLAN	FIG. 117 PLAN	FIG. 118 PLAN	FIG. 119 PLAN	FIG. 120 PLAN
FIG. 121 PLAN	FIG. 122 PLAN	FIG. 123 PLAN	FIG. 124 PLAN	FIG. 125 PLAN	FIG. 126 PLAN	FIG. 127 PLAN	FIG. 128 PLAN
FIG. 129 PLAN	FIG. 130 PLAN	FIG. 131 PLAN	FIG. 132 PLAN	FIG. 133 PLAN	FIG. 134 PLAN	FIG. 135 PLAN	FIG. 136 PLAN
FIG. 137 PLAN	FIG. 138 PLAN	FIG. 139 PLAN	FIG. 140 PLAN	FIG. 141 PLAN	FIG. 142 PLAN	FIG. 143 PLAN	FIG. 144 PLAN
FIG. 145 PLAN	FIG. 146 PLAN	FIG. 147 PLAN	FIG. 148 PLAN	FIG. 149 PLAN	FIG. 150 PLAN	FIG. 151 PLAN	FIG. 152 PLAN
FIG. 153 PLAN	FIG. 154 PLAN	FIG. 155 PLAN	FIG. 156 PLAN	FIG. 157 PLAN	FIG. 158 PLAN	FIG. 159 PLAN	FIG. 160 PLAN
FIG. 161 PLAN	FIG. 162 PLAN	FIG. 163 PLAN	FIG. 164 PLAN	FIG. 165 PLAN	FIG. 166 PLAN	FIG. 167 PLAN	FIG. 168 PLAN
FIG. 169 PLAN	FIG. 170 PLAN	FIG. 171 PLAN	FIG. 172 PLAN	FIG. 173 PLAN	FIG. 174 PLAN	FIG. 175 PLAN	FIG. 176 PLAN
FIG. 177 PLAN	FIG. 178 PLAN	FIG. 179 PLAN	FIG. 180 PLAN	FIG. 181 PLAN	FIG. 182 PLAN	FIG. 183 PLAN	FIG. 184 PLAN
FIG. 185 PLAN	FIG. 186 PLAN	FIG. 187 PLAN	FIG. 188 PLAN	FIG. 189 PLAN	FIG. 190 PLAN	FIG. 191 PLAN	FIG. 192 PLAN
FIG. 193 PLAN	FIG. 194 PLAN	FIG. 195 PLAN	FIG. 196 PLAN	FIG. 197 PLAN	FIG. 198 PLAN	FIG. 199 PLAN	FIG. 200 PLAN
FIG. 201 PLAN	FIG. 202 PLAN	FIG. 203 PLAN	FIG. 204 PLAN	FIG. 205 PLAN	FIG. 206 PLAN	FIG. 207 PLAN	FIG. 208 PLAN
FIG. 209 PLAN	FIG. 210 PLAN	FIG. 211 PLAN	FIG. 212 PLAN	FIG. 213 PLAN	FIG. 214 PLAN	FIG. 215 PLAN	FIG. 216 PLAN
FIG. 217 PLAN	FIG. 218 PLAN	FIG. 219 PLAN	FIG. 220 PLAN	FIG. 221 PLAN	FIG. 222 PLAN	FIG. 223 PLAN	FIG. 224 PLAN
FIG. 225 PLAN	FIG. 226 PLAN	FIG. 227 PLAN	FIG. 228 PLAN	FIG. 229 PLAN	FIG. 230 PLAN	FIG. 231 PLAN	FIG. 232 PLAN
FIG. 233 PLAN	FIG. 234 PLAN	FIG. 235 PLAN	FIG. 236 PLAN	FIG. 237 PLAN	FIG. 238 PLAN	FIG. 239 PLAN	FIG. 240 PLAN
FIG. 241 PLAN	FIG. 242 PLAN	FIG. 243 PLAN	FIG. 244 PLAN	FIG. 245 PLAN	FIG. 246 PLAN	FIG. 247 PLAN	FIG. 248 PLAN
FIG. 249 PLAN	FIG. 250 PLAN	FIG. 251 PLAN	FIG. 252 PLAN	FIG. 253 PLAN	FIG. 254 PLAN	FIG. 255 PLAN	FIG. 256 PLAN
FIG. 257 PLAN	FIG. 258 PLAN	FIG. 259 PLAN	FIG. 260 PLAN	FIG. 261 PLAN	FIG. 262 PLAN	FIG. 263 PLAN	FIG. 264 PLAN
FIG. 265 PLAN	FIG. 266 PLAN	FIG. 267 PLAN	FIG. 268 PLAN	FIG. 269 PLAN	FIG. 270 PLAN	FIG. 271 PLAN	FIG. 272 PLAN
FIG. 273 PLAN	FIG. 274 PLAN	FIG. 275 PLAN	FIG. 276 PLAN	FIG. 277 PLAN	FIG. 278 PLAN	FIG. 279 PLAN	FIG. 280 PLAN
FIG. 281 PLAN	FIG. 282 PLAN	FIG. 283 PLAN	FIG. 284 PLAN	FIG. 285 PLAN	FIG. 286 PLAN	FIG. 287 PLAN	FIG. 288 PLAN
FIG. 289 PLAN	FIG. 290 PLAN	FIG. 291 PLAN	FIG. 292 PLAN	FIG. 293 PLAN	FIG. 294 PLAN	FIG. 295 PLAN	FIG. 296 PLAN
FIG. 297 PLAN	FIG. 298 PLAN	FIG. 299 PLAN	FIG. 300 PLAN	FIG. 301 PLAN	FIG. 302 PLAN	FIG. 303 PLAN	FIG. 304 PLAN
FIG. 305 PLAN	FIG. 306 PLAN	FIG. 307 PLAN	FIG. 308 PLAN	FIG. 309 PLAN	FIG. 310 PLAN	FIG. 311 PLAN	FIG. 312 PLAN
FIG. 313 PLAN	FIG. 314 PLAN	FIG. 315 PLAN	FIG. 316 PLAN	FIG. 317 PLAN	FIG. 318 PLAN	FIG. 319 PLAN	FIG. 320 PLAN
FIG. 321 PLAN	FIG. 322 PLAN	FIG. 323 PLAN	FIG. 324 PLAN	FIG. 325 PLAN	FIG. 326 PLAN	FIG. 327 PLAN	FIG. 328 PLAN
FIG. 329 PLAN	FIG. 330 PLAN	FIG. 331 PLAN	FIG. 332 PLAN	FIG. 333 PLAN	FIG. 334 PLAN	FIG. 335 PLAN	FIG. 336 PLAN
FIG. 337 PLAN	FIG. 338 PLAN	FIG. 339 PLAN	FIG. 340 PLAN	FIG. 341 PLAN	FIG. 342 PLAN	FIG. 343 PLAN	FIG. 344 PLAN
FIG. 345 PLAN	FIG. 346 PLAN	FIG. 347 PLAN	FIG. 348 PLAN	FIG. 349 PLAN	FIG. 350 PLAN	FIG. 351 PLAN	FIG. 352 PLAN
FIG. 353 PLAN	FIG. 354 PLAN	FIG. 355 PLAN	FIG. 356 PLAN	FIG. 357 PLAN	FIG. 358 PLAN	FIG. 359 PLAN	FIG. 360 PLAN
FIG. 361 PLAN	FIG. 362 PLAN	FIG. 363 PLAN	FIG. 364 PLAN	FIG. 365 PLAN	FIG. 366 PLAN	FIG. 367 PLAN	FIG. 368 PLAN
FIG. 369 PLAN	FIG. 370 PLAN	FIG. 371 PLAN	FIG. 372 PLAN	FIG. 373 PLAN	FIG. 374 PLAN	FIG. 375 PLAN	FIG. 376 PLAN
FIG. 377 PLAN	FIG. 378 PLAN	FIG. 379 PLAN	FIG. 380 PLAN	FIG. 381 PLAN	FIG. 382 PLAN	FIG. 383 PLAN	FIG. 384 PLAN
FIG. 385 PLAN	FIG. 386 PLAN	FIG. 387 PLAN	FIG. 388 PLAN	FIG. 389 PLAN	FIG. 390 PLAN	FIG. 391 PLAN	FIG. 392 PLAN
FIG. 393 PLAN	FIG. 394 PLAN	FIG. 395 PLAN	FIG. 396 PLAN	FIG. 397 PLAN	FIG. 398 PLAN	FIG. 399 PLAN	FIG. 400 PLAN
FIG. 401 PLAN	FIG. 402 PLAN	FIG. 403 PLAN	FIG. 404 PLAN	FIG. 405 PLAN	FIG. 406 PLAN	FIG. 407 PLAN	FIG. 408 PLAN
FIG. 409 PLAN	FIG. 410 PLAN	FIG. 411 PLAN	FIG. 412 PLAN	FIG. 413 PLAN	FIG. 414 PLAN	FIG. 415 PLAN	FIG. 416 PLAN
FIG. 417 PLAN	FIG. 418 PLAN	FIG. 419 PLAN	FIG. 420 PLAN	FIG. 421 PLAN	FIG. 422 PLAN	FIG. 423 PLAN	FIG. 424 PLAN
FIG. 425 PLAN	FIG. 426 PLAN	FIG. 427 PLAN	FIG. 428 PLAN	FIG. 429 PLAN	FIG. 430 PLAN	FIG. 431 PLAN	FIG. 432 PLAN
FIG. 433 PLAN	FIG. 434 PLAN	FIG. 435 PLAN	FIG. 436 PLAN	FIG. 437 PLAN	FIG. 438 PLAN	FIG. 439 PLAN	FIG. 440 PLAN
FIG. 441 PLAN	FIG. 442 PLAN	FIG. 443 PLAN	FIG. 444 PLAN	FIG. 445 PLAN	FIG. 446 PLAN	FIG. 447 PLAN	FIG. 448 PLAN
FIG. 449 PLAN	FIG. 450 PLAN	FIG. 451 PLAN	FIG. 452 PLAN	FIG. 453 PLAN	FIG. 454 PLAN	FIG. 455 PLAN	FIG. 456 PLAN
FIG. 457 PLAN	FIG. 458 PLAN	FIG. 459 PLAN	FIG. 460 PLAN	FIG. 461 PLAN	FIG. 462 PLAN	FIG. 463 PLAN	FIG. 464 PLAN
FIG. 465 PLAN	FIG. 466 PLAN	FIG. 467 PLAN	FIG. 468 PLAN	FIG. 469 PLAN	FIG. 470 PLAN	FIG. 471 PLAN	FIG. 472 PLAN
FIG. 473 PLAN	FIG. 474 PLAN	FIG. 475 PLAN	FIG. 476 PLAN	FIG. 477 PLAN	FIG. 478 PLAN	FIG. 479 PLAN	FIG. 480 PLAN
FIG. 481 PLAN	FIG. 482 PLAN	FIG. 483 PLAN	FIG. 484 PLAN	FIG. 485 PLAN	FIG. 486 PLAN	FIG. 487 PLAN	FIG. 488 PLAN
FIG. 489 PLAN	FIG. 490 PLAN	FIG. 491 PLAN	FIG. 492 PLAN	FIG. 493 PLAN	FIG. 494 PLAN	FIG. 495 PLAN	FIG. 496 PLAN
FIG. 497 PLAN	FIG. 498 PLAN	FIG. 499 PLAN	FIG. 500 PLAN	FIG. 501 PLAN	FIG. 502 PLAN	FIG. 503 PLAN	FIG. 504 PLAN
FIG. 505 PLAN	FIG. 506 PLAN	FIG. 507 PLAN	FIG. 508 PLAN	FIG. 509 PLAN	FIG. 510 PLAN	FIG. 511 PLAN	FIG. 512 PLAN
FIG. 513 PLAN	FIG. 514 PLAN	FIG. 515 PLAN	FIG. 516 PLAN	FIG. 517 PLAN	FIG. 518 PLAN	FIG. 519 PLAN	FIG. 520 PLAN
FIG. 521 PLAN	FIG. 522 PLAN	FIG. 523 PLAN	FIG. 524 PLAN	FIG. 525 PLAN	FIG. 526 PLAN	FIG. 527 PLAN	FIG. 528 PLAN
FIG. 529 PLAN	FIG. 530 PLAN	FIG. 531 PLAN	FIG. 532 PLAN	FIG. 533 PLAN	FIG. 534 PLAN	FIG. 535 PLAN	FIG. 536 PLAN
FIG. 537 PLAN	FIG. 538 PLAN	FIG. 539 PLAN	FIG. 540 PLAN	FIG. 541 PLAN	FIG. 542 PLAN	FIG. 543 PLAN	FIG. 544 PLAN
FIG. 545 PLAN	FIG. 546 PLAN	FIG. 547 PLAN	FIG. 548 PLAN	FIG. 549 PLAN	FIG. 550 PLAN	FIG. 551 PLAN	FIG. 552 PLAN
FIG. 553 PLAN	FIG. 554 PLAN	FIG. 555 PLAN	FIG. 556 PLAN	FIG. 557 PLAN	FIG. 558 PLAN	FIG. 559 PLAN	FIG. 560 PLAN
FIG. 561 PLAN	FIG. 562 PLAN	FIG. 563 PLAN	FIG. 564 PLAN	FIG. 565 PLAN	FIG. 566 PLAN	FIG. 567 PLAN	FIG. 568 PLAN
FIG. 569 PLAN	FIG. 570 PLAN	FIG. 571 PLAN	FIG. 572 PLAN	FIG. 573 PLAN	FIG. 574 PLAN	FIG. 575 PLAN	FIG. 576 PLAN
FIG. 577 PLAN	FIG. 578 PLAN	FIG. 579 PLAN	FIG. 580 PLAN	FIG. 581 PLAN	FIG. 582 PLAN	FIG. 583 PLAN	FIG. 584 PLAN
FIG. 585 PLAN	FIG. 586 PLAN	FIG. 587 PLAN	FIG. 588 PLAN	FIG. 589 PLAN	FIG. 590 PLAN	FIG. 591 PLAN	FIG. 592 PLAN
FIG. 593 PLAN	FIG. 594 PLAN	FIG. 595 PLAN	FIG. 596 PLAN	FIG. 597 PLAN	FIG. 598 PLAN	FIG. 599 PLAN	FIG. 600 PLAN
FIG. 601 PLAN	FIG. 602 PLAN	FIG. 603 PLAN	FIG. 604 PLAN	FIG. 605 PLAN	FIG. 606 PLAN	FIG. 607 PLAN	FIG. 608 PLAN
FIG. 609 PLAN	FIG. 610 PLAN	FIG. 611 PLAN	FIG. 612 PLAN	FIG. 613 PLAN	FIG. 614 PLAN	FIG. 615 PLAN	FIG. 616 PLAN
FIG. 617 PLAN	FIG. 618 PLAN	FIG. 619 PLAN	FIG. 620 PLAN	FIG. 621 PLAN	FIG. 622 PLAN	FIG. 623 PLAN	FIG. 624 PLAN
FIG. 625 PLAN	FIG. 626 PLAN	FIG. 627 PLAN	FIG. 628 PLAN	FIG. 629 PLAN	FIG. 630 PLAN	FIG. 631 PLAN	FIG. 632 PLAN
FIG. 633 PLAN	FIG. 634 PLAN	FIG. 635 PLAN	FIG. 636 PLAN	FIG. 637 PLAN	FIG. 638 PLAN	FIG. 639 PLAN	FIG. 640 PLAN
FIG. 641 PLAN	FIG. 642 PLAN	FIG. 643 PLAN	FIG. 644 PLAN	FIG. 645 PLAN	FIG. 646 PLAN	FIG. 647 PLAN	FIG. 648 PLAN
FIG. 649 PLAN	FIG. 650 PLAN	FIG. 651 PLAN	FIG. 652 PLAN	FIG. 653 PLAN	FIG. 654 PLAN	FIG. 655 PLAN	FIG. 656 PLAN
FIG. 657 PLAN	FIG. 658 PLAN	FIG. 659 PLAN	FIG. 660 PLAN	FIG. 661 PLAN	FIG. 662 PLAN	FIG. 663 PLAN	FIG. 664 PLAN
FIG. 665 PLAN	FIG. 666 PLAN	FIG. 667 PLAN	FIG. 668 PLAN	FIG. 669 PLAN	FIG. 670 PLAN	FIG. 671 PLAN	FIG. 672 PLAN
FIG. 673 PLAN	FIG. 674 PLAN	FIG. 675 PLAN	FIG. 676 PLAN	FIG. 677 PLAN	FIG. 678 PLAN	FIG. 679 PLAN	FIG. 680 PLAN
FIG. 681 PLAN	FIG. 682 PLAN	FIG. 683 PLAN	FIG. 684 PLAN	FIG. 685 PLAN	FIG. 686 PLAN	FIG. 687 PLAN	FIG. 688 PLAN
FIG. 689 PLAN	FIG. 690 PLAN	FIG. 691 PLAN	FIG. 692 PLAN	FIG. 693 PLAN	FIG. 694 PLAN	FIG. 695 PLAN	FIG. 696 PLAN
FIG. 697 PLAN	FIG. 698 PLAN	FIG. 699 PLAN	FIG. 700 PLAN	FIG. 701 PLAN	FIG. 702 PLAN	FIG. 703 PLAN	FIG. 704 PLAN
FIG. 705 PLAN	FIG. 706 PLAN	FIG. 707 PLAN	FIG. 708 PLAN	FIG. 709 PLAN	FIG. 710 PLAN	FIG. 711 PLAN	FIG. 712 PLAN
FIG. 713 PLAN	FIG. 714 PLAN	FIG. 715 PLAN	FIG. 716 PLAN	FIG. 717 PLAN	FIG. 718 PLAN	FIG. 719 PLAN	FIG. 720 PLAN
FIG. 721 PLAN	FIG. 722 PLAN	FIG. 723 PLAN	FIG. 724 PLAN	FIG. 725 PLAN	FIG. 726 PLAN	FIG. 727 PLAN	FIG. 728 PLAN
FIG. 729 PLAN	FIG. 730 PLAN	FIG. 731 PLAN	FIG. 732 PLAN	FIG. 733 PLAN	FIG. 734 PLAN	FIG. 735 PLAN	FIG. 736 PLAN
FIG. 737 PLAN	FIG. 738 PLAN	FIG. 739 PLAN	FIG. 740 PLAN	FIG. 741 PLAN	FIG. 742 PLAN	FIG. 743 PLAN	FIG. 744 PLAN
FIG. 745 PLAN	FIG. 746 PLAN	FIG. 747 PLAN	FIG. 748 PLAN	FIG. 749 PLAN	FIG. 750 PLAN	FIG. 751 PLAN	FIG. 752 PLAN
FIG. 753 PLAN	FIG. 754 PLAN	FIG. 755 PLAN	FIG. 756 PLAN	FIG. 757 PLAN	FIG. 758 PLAN	FIG. 759 PLAN	FIG. 760 PLAN
FIG. 761 PLAN	FIG. 762 PLAN	FIG. 763 PLAN	FIG. 764 PLAN	FIG. 765 PLAN	FIG. 766 PLAN	FIG. 767 PLAN	FIG. 768 PLAN
FIG. 769 PLAN	FIG. 770 PLAN	FIG. 771 PLAN	FIG. 772 PLAN	FIG. 773 PLAN	FIG. 774 PLAN	FIG. 775 PLAN	FIG. 776 PLAN
FIG. 777 PLAN	FIG. 778 PLAN	FIG. 779 PLAN	FIG. 780 PLAN	FIG. 781 PLAN	FIG. 782 PLAN	FIG. 783 PLAN	FIG. 784 PLAN
FIG. 785 PLAN	FIG. 786 PLAN	FIG. 787 PLAN	FIG. 788 PLAN	FIG. 789 PLAN	FIG. 790 PLAN	FIG. 791 PLAN	FIG. 792 PLAN
FIG. 793 PLAN	FIG. 794 PLAN	FIG. 795 PLAN	FIG. 796 PLAN	FIG. 797 PLAN	FIG. 798 PLAN	FIG. 799 PLAN	FIG. 800 PLAN
FIG. 801 PLAN	FIG. 802 PLAN	FIG. 803 PLAN	FIG. 804 PLAN	FIG. 805 PLAN	FIG. 806 PLAN	FIG. 807 PLAN	FIG. 808 PLAN
FIG. 809 PLAN	FIG. 810 PLAN	FIG. 811 PLAN	FIG. 812 PLAN	FIG. 813 PLAN	FIG. 814 PLAN	FIG. 815 PLAN	FIG. 816 PLAN
FIG. 817 PLAN	FIG. 818 PLAN	FIG. 819 PLAN	FIG. 820 PLAN	FIG. 821 PLAN	FIG. 822 PLAN	FIG. 823 PLAN	FIG. 824 PLAN
FIG. 825 PLAN	FIG. 826 PLAN	FIG. 827 PLAN	FIG. 828 PLAN	FIG. 829 PLAN	FIG. 830 PLAN	FIG. 831 PLAN	FIG. 832 PLAN
FIG. 833 PLAN	FIG. 834 PLAN	FIG. 835 PLAN	FIG. 836 PLAN	FIG. 837 PLAN	FIG. 838 PLAN	FIG. 839 PLAN	FIG. 840 PLAN
FIG. 841 PLAN	FIG. 842 PLAN	FIG. 843 PLAN	FIG. 844 PLAN	FIG. 845 PLAN	FIG. 846 PLAN	FIG. 847 	

PANEL: CLASSROOM 1&2  
240V, 1Ø, 60Hz

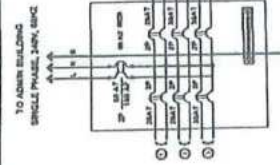
LOAD SCHEDULE										
CRT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	A1	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	8	960	220	3.91	20	50	2	2 - 3.51" mm	20
2	CONVENIENCE OUTLET	12	2400	220	10.43	30	50	2	2 - 3.51" mm	20
3	ACU 2HP	1	2300	220	10	30	50	2	2 - 3.51" mm	20
4	ACU 2HP	1	2300	220	10	30	50	2	2 - 3.51" mm	20
	TOTAL CONNECTION (KVA)		5960		34.34					



TOTAL	= 3Ø + (Highest 1Ø) (1.732) + (.25 x Highest Motor Load)
TOTAL	= 34.34 x 125% = 42.92
MAIN	: 60 AT, 2P, 230 V
USE	: 12-8.0 sq.mm THHN Copper Wire) + (1-5.5mm THHN Copper Wire) in 20mmØ

PANEL: FACULTY  
240V, 1Ø, 60HZ

LOAD SCHEDULE										
CRI. NO.	DESCRIPTION	NO. OF RATINGS	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	8	800	230	3.48	20	30	2	2 - 3.5 sq. mm	32
2	CONVENIENCE OUTLET	6	1050	230	4.70	20	30	2	2 - 3.5 sq. mm	32
3	CEILING FAN	4	400	220	1.74	20	30	2	2 - 3.5 sq. mm	20
4	ACU 2HP	1	2920	230	10	30	50	2	2 - 5.5 sq. mm	20
5	ACU 3HP	1	2300	230	10	30	50	2	2 - 5.5 sq. mm	20
6	SPARE	-	-	-	-	30	50	2	-	-
TOTAL CONNECTION LOAD			6870		70.91					



$$= 3\phi + [\text{Highest } 1\phi] (1.732) + (.25 \times \text{Highest Motor Load})$$

$$= 29.9 \times 125\% = 37.38$$

TOTAL	: 60 AT, 2P, 230 V
MAIN	
USE	(2-8.0 sq.mm THHN Copper Wire) + (1-5.0mm THHN Copper Wire) in 20mm $\phi$

[illegible]

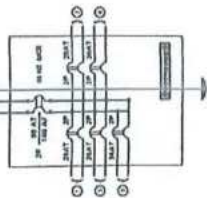


PANEL : LIBRARY  
240V, 1Ø, 60Hz

LOAD SCHEDULE									
CCT. NO.	DESCRIPTION	NO. OF FITURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE
1	LIGHTING OUTLET	6	600	230	2.61	30	50	2	2-3.5 sq. mm
2	CONVENIENCE OUTLET	4	720	230	3.13	30	50	2	2-3.5 sq. mm
3	CEILING FAN	4	400	230	1.74	30	50	2	2-3.5 sq. mm
4	ACU 2HP	1	2300	230	10	30	50	2	2-3.5 sq. mm
5	SPARE	-	-	-	-	30	50	2	-
TOTAL CONNECTED LOAD			4200	-	17.48	-	-	-	-

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

TO ADMIN BUILDING  
SINGLE PHASE, 240V, 60Hz

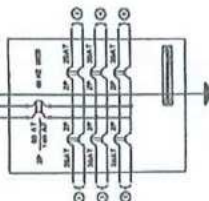


PANEL : DIRECTOR'S OFFICE  
240V, 1Ø, 60Hz

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

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

TO ADMIN BUILDING  
SINGLE PHASE, 240V, 60Hz

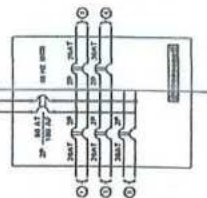


PANEL : DIRECTOR'S OFFICE (EXTENSION)  
240V, 1Ø, 60Hz

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

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

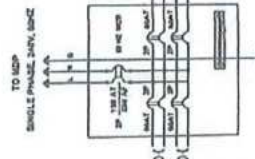
TO ADMIN BUILDING  
SINGLE PHASE, 240V, 60Hz



PANEL : ADMIN BUILDING  
240V, 1Ø, 60Hz

LOAD SCHEDULE									
CCT. NO.	DESCRIPTION	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	GROUND
1	FACILITY	4800	230	20.91	60	100	2	2-8.0 sq. mm	2-5.5 sq. mm
2	LIBRARY	4000	230	17.48	60	100	2	2-8.0 sq. mm	2-5.5 sq. mm
3	DIRECTOR'S OFFICE	6100	230	26.52	60	100	2	2-8.0 sq. mm	2-5.5 sq. mm
4	DIRECTOR'S OFFICE EXTENSION	4100	230	17.82	60	100	2	2-8.0 sq. mm	2-5.5 sq. mm
TOTAL CONNECTED LOAD			21100	91.73	-	-	-	-	-

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



PROJECT TITLE UPGRADING OF ELECTRICAL FACILITIES AT SLSU ALABAT		DESIGNED BY ENGR. IVAN GERALD B. MECUA		CHECKED BY ENGR. MELVIN A. NANSAGAY		APPROVED BY DR. FREDERICK T. VILLA		SHEET # E 04	
PROJECT NO. 152		DATE ISSUED 15/05/2024		DATE REVISION 15/05/2024		DATE REVISION 15/05/2024		DATE REVISION 15/05/2024	
PROJECT NO. 152		DATE ISSUED 15/05/2024		DATE REVISION 15/05/2024		DATE REVISION 15/05/2024		DATE REVISION 15/05/2024	

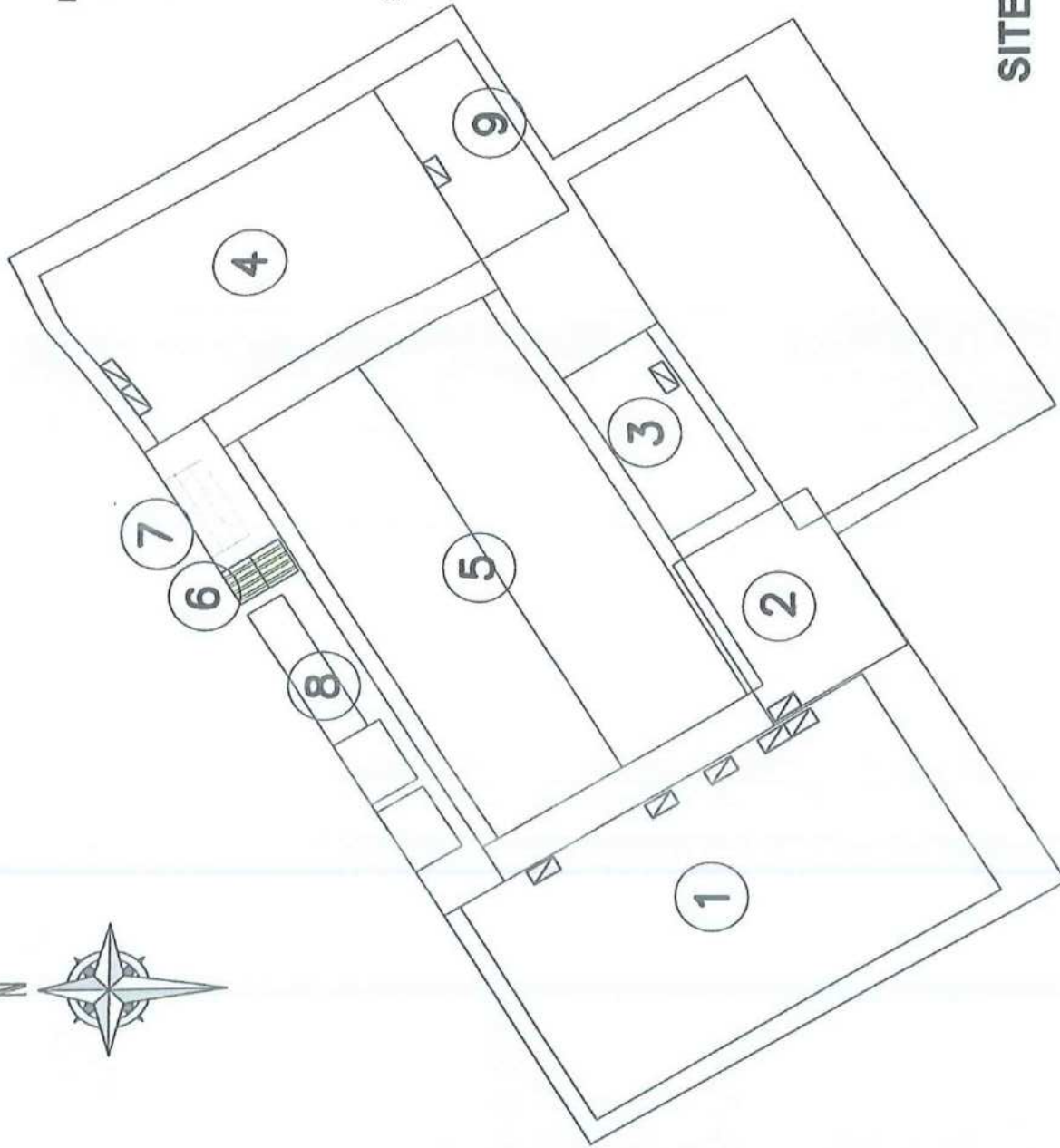


1. ADMINISTRATION BUILDING
2. NATURAL SCIENCE BUILDING
3. STAGE
4. MULTIPURPOSE BUILDING
5. COVERED COURT
6. GUARD HOUSE
7. GATE
8. BLEACHER
9. ON-GOING ONE-STORY TWO CLASSROOM BUILDING

SYMBOLS:

☒ PROPOSED PANELBOARD LOCATION

AREA:  
2,020 SQM



## SITE DEVELOPMENT PLAN

[illegible]