

FROM SB-EI Block
FEEDER-F1

3.5Cx25 SqMM A2XFY (20 m)

VDB G
3PH 6W VTPN MCB DB
LOC:Ground Floor

63A 4P ISOLATOR

CL:27.29kW
MD:23.18kW

25A 10kA
TP MCB

25A 10kA
TP MCB

40A 10kA
TP MCB

40A 10kA
TP MCB

25A 10kA
TP MCB

40A 10kA
TP MCB

LDB G1

LDB G2

PDB G1

PDB G2

| | | | | | |
|--------------------------|------------------|-----------|-----------|-----------|-------|
| EQUIPMENT NO. | | | | | SPARE |
| EQUIPMENT DESCRIPTION | 3Ph 8W DB | 3Ph 8W DB | 3Ph 4W DB | 3Ph 4W DB | |
| CONNECTED LOAD(kW) | 5.23 | 5.06 | 7 | 10 | |
| MAXIMUM DEMAND(kW) | 3.14 | 3.04 | 7 | 10 | |
| SWITCHGEAR RATING | 25 | 25 | 40 | 40 | |
| BACK UP FUSE RATING | 25 | 25 | 40 | 40 | |
| POWER CABLE/ WIRES | SIZE IN SQ.MM | 4 | 4 | 6 | |
| | NO.OF RUNS/CORES | 4R | 4R | 4R | |
| | TYPE OF CABLE | Cu | Cu | Cu | |
| | LENGTH IN METERS | 5 | 28 | 28 | 40 |
| SIZE OF EARTH COND. [Cu] | | 10 | 10 | 10 | 10 |
| LOCATION | | GF | GF | GF | GF |
| REF. DRAWING NO: | | 04 | 04 | | |
| WIRING DETAILS | | | | | |

FROM SB EI Block
FEEDER-F2

4Cx16 SqMM A2XFY (17 m)

VDB BU
3PH 6W VTPN MCB DB
LOC:Upper Basement Floor

63A 4P ISOLATOR

CL:12.55 kW
MD:9.53 kW

25A 10kA
TP MCB

25A 10kA
TP MCB

40A 10kA
TP MCB

40A 10kA
TP MCB

25A 10kA
TP MCB

40A 10kA
TP MCB

LDB BU1

LDB BU2

PDB BU

| | | | | |
|--------------------------|------------------|----------------|----------------|----------------|
| EQUIPMENT NO. | | | | SPARE |
| EQUIPMENT DESCRIPTION | 3Ph 6W DB | 3Ph 6W DB | 3Ph 4W DB | |
| CONNECTED LOAD(kW) | 3.21 | 4.34 | 5 | |
| MAXIMUM DEMAND(kW) | 1.93 | 2.6 | 5 | |
| SWITCHGEAR RATING | 25 | 25 | 40 | |
| BACK UP FUSE RATING | 25 | 25 | 40 | |
| POWER CABLE/ WIRES | SIZE IN SQ.MM | 4 | 4 | 6 |
| | NO.OF RUNS/CORES | 4R | 4R | 4R |
| | TYPE OF CABLE | Cu | Cu | Cu |
| | LENGTH IN METERS | 5 | 25 | 11 |
| SIZE OF EARTH COND. [Cu] | | 10 | 10 | 10 |
| LOCATION | | Upper Basement | Upper Basement | Upper Basement |
| REF. DRAWING NO: | | | | |
| WIRING DETAILS | | | | |

FOR INSPECTORATE

CONTRACTOR

FOR SUPERVISOR

FOR CLIENT

PROJECT

ENGINEERING COLLEGE,
Pathanapuram

TITLE

SCHEMATIC DIAGRAM : VDB G & VDB BU

BLOCK : ELECTRICAL ENGINEERING DEPT

DRAWN

PROJECT NO.

DATE: 26-09-2013

CHECK

DWG NO. 02

REV.

CONSULTANT

KERALA STATE HOUSING BOARD

SHANTHI NAGAR, TRIVANDRUM.