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FOR INSPECTORATE

CONTRACTOR

FOR SUPERVISOR

FOR CLIENT

PROJECT

ENGINEERING COLLEGE, MUTTATHARA  
TRIVANDRUM

TITLE

SCHEMATIC DIAGRAM: ELE W/S, LDB Cafeteria &  
LDB M W/S

BLOCK : ELE & MECH WORKSHOPS AND CAFETERIA

DRAWN

PROJECT NO.

DATE: 06-08-2013

CHECK

DWG NO. 09

REV.

CONSULTANT

KERALA STATE HOUSING BOARD

SHANTHI NAGAR, TRIVANDRUM.

FROM SSB 4

4Rx4 SqMM CU(13m)

DB ELE W/S  
3PH 4W TPN MCB DB  
LOC: ELE W/S

32A, 4P ISOLATOR

25A,30mA,  
4P RCCB

CL:3.75 KW  
MD:2.1 KW

R1

6A,10kA,  
SP  
MCB

R2

6A,10kA,  
SP  
MCB

R3

10A,10kA,  
SP  
MCB

R4

10A,10kA,  
SP  
MCB

Y1

6A,10kA,  
SP  
MCB

Y2

6A,10kA,  
SP  
MCB

Y3

10A,10kA,  
SP  
MCB

Y4

10A,10kA,  
SP  
MCB

B1

6A,10kA,  
SP  
MCB

B2

6A,10kA,  
SP  
MCB

B3

10A,10kA,  
SP  
MCB

B4

10A,10kA,  
SP  
MCB

EQUIPMENT NO.	
EQUIPMENT DESCRIPTION	
CONNECTED LOAD	
MAXIMUM DEMAND	
SWITCHGEAR RATING	
BACK UP FUSE RATING	
SIZE IN SQ.MM	
POWER NO. OF RUNS/CORES	LIGHT POINT
CABLE/ TYPE OF CABLE	SPARE
WIRES LENGTH IN METERS	LIGHT POINT
SIZE OF EARTH COND. [Cu]	SPARE
LOCATION	LIGHT POINT
REF. DRAWING NO:	SPARE
WIRING DETAILS	LIGHT POINT WIRING : LIGHT,FAN AND PLUG POINTS ARE WIRED WITH 2x1.5 SQMM PVC INSULATED CU WIRE WITH 1x1.5 SQMM GREEN CU EARTH WIRE. POWER POINT WIRING : POWER POINTS WIRED WITH 2x2.5 SQMM PVC INSULATED CU WIRE WITH 1x1.5 SQMM GREEN EARTH CU WIRE.

FROM PVDB M W/S

2Rx2.5 SqMM CU WIRE (10m)

LDB M W/S  
Single PH 6W DB  
LOC:Workshop

32A, DP ISOLATOR

25A,30mA,  
DP RCCB

CL:1.33 KW  
MD:1.2 KW

6A,10kA  
SP MCB

6A,10kA  
SP MCB

6A,10kA  
SP MCB

6A,10kA  
SP MCB

16A,10kA  
SP MCB

16A,10kA  
SP MCB

EQUIPMENT NO.	
EQUIPMENT DESCRIPTION	
CONNECTED LOAD	
MAXIMUM DEMAND	
SWITCHGEAR RATING	
BACK UP FUSE RATING	
SIZE IN SQ.MM	
POWER NO. OF RUNS/CORES	LIGHT POINTS
CABLE/ TYPE OF CABLE	SPARE
WIRES LENGTH IN METERS	
SIZE OF EARTH COND. [Cu]	
LOCATION	
REF. DRAWING NO:	
WIRING DETAILS	LIGHT POINT WIRING : LIGHT,FAN AND PLUG POINTS ARE WIRED WITH 2x1.5 SQMM PVC INSULATED CU WIRE WITH 1x1.5 SQMM GREEN CU EARTH WIRE. POWER POINT WIRING : POWER POINTS WIRED WITH 2x2.5 SQMM PVC INSULATED CU WIRE WITH 1x1.5 SQMM GREEN EARTH CU WIRE.

FROM SSB 4

4Rx4 SqMM CU(30m)

DB Cafeteria  
3PH 4W TPN MCB DB  
LOC: Cafeteria

32A, 4P ISOLATOR

25A,30mA,  
4P RCCB

CL:3.37 KW  
MD:2.1 KW

R1

6A,10kA,  
SP  
MCB

R2

6A,10kA,  
SP  
MCB

R3

6A,10kA,  
SP  
MCB

R4

10A,10kA,  
SP  
MCB

Y1

16A,10kA,  
SP  
MCB

Y2

6A,10kA,  
SP  
MCB

Y3

6A,10kA,  
SP  
MCB

Y4

10A,10kA,  
SP  
MCB

B1

16A,10kA,  
SP  
MCB

B2

6A,10kA,  
SP  
MCB

B3

6A,10kA,  
SP  
MCB

B4

10A,10kA,  
SP  
MCB

EQUIPMENT NO.	
EQUIPMENT DESCRIPTION	
CONNECTED LOAD	
MAXIMUM DEMAND	
SWITCHGEAR RATING	
BACK UP FUSE RATING	
SIZE IN SQ.MM	
POWER NO. OF RUNS/CORES	LIGHT POINT
CABLE/ TYPE OF CABLE	SPARE
WIRES LENGTH IN METERS	LIGHT POINT
SIZE OF EARTH COND. [Cu]	SPARE
LOCATION	LIGHT POINT
REF. DRAWING NO:	SPARE
WIRING DETAILS	LIGHT POINT WIRING : LIGHT,FAN AND PLUG POINTS ARE WIRED WITH 2x1.5 SQMM PVC INSULATED CU WIRE WITH 1x1.5 SQMM GREEN CU EARTH WIRE. POWER POINT WIRING : POWER POINTS WIRED WITH 2x2.5 SQMM PVC INSULATED CU WIRE WITH 1x1.5 SQMM GREEN EARTH CU WIRE.

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