

DISTRIBUTION BOARD					MDB-MB							
LOCATION					MAIN BUILDING GF M & E ROOM							
FEED FROM					FP							
INCOMMING CABLE					4C 50sqmmPVC/SWA/XLPE/CU + 1C 25sqmm PVC E							
INCOMING BREAKER					400A 4P MCCB							
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Diversity Factor	Diversified Load (W)		
		R	Y	B						R	Y	B
1	L1.S1	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S2	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S3	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S4	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S5	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S6	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S7	100.00	0.00	0.00	10A SP MCB		LIGHTING	-	0.00	0.00	0.00	0.00
	L1.S8	100.00	0.00	0.00	10A SP MCB		LIGHTING	-	0.00	0.00	0.00	0.00
	L1.S9	0.00	0.00	0.00	10A SP MCB		SPARE	2x1.5	0.90	0.00	0.00	0.00
	L1.S10	0.00	0.00	0.00	10A SP MCB		SPARE	2x1.5	0.90	0.00	0.00	0.00
	L1.P1	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P2	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P3	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P4	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L1.P5	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
2	DB-M1	5340.00	0.00	0.00	-	63 3P MCB	DB-M1	4C,10	0.90	4806.00	0.00	0.00
		0.00	5340.00	0.00						0.00	4806.00	0.00
		0.00	0.00	5340.00						0.00	0.00	4806.00
3	DB-M2	5340.00	0.00	0.00	-	63 3P MCB	DB-M2	4C,10	0.90	4806.00	0.00	0.00
		0.00	5340.00	0.00						0.00	4806.00	0.00
		0.00	0.00	5340.00						0.00	0.00	4806.00
4	DB-M3	5340.00	0.00	0.00	-	63 3P MCB	DB-M3	4C,10	0.90	4806.00	0.00	0.00
		0.00	5340.00	0.00						0.00	4806.00	0.00
		0.00	0.00	5340.00						0.00	0.00	4806.00
8	DB-AC1	25200.00	0.00	0.00	-	100 3P MCB	DB-AC1	4C,16	0.90	22680.00	0.00	0.00
		0.00	25200.00	0.00						0.00	22680.00	0.00
		0.00	0.00	23400.00						0.00	3.00	21060.00
8	MDB-SA	26343.00	0.00	0.00	-	150 3P MCB	MDB-SA	4C,35	0.90	23708.70	0.00	0.00
		0.00	23733.00	0.00						0.00	21359.70	0.00
		0.00	0.00	23733.00						0.00	3.00	21359.70
9	LIFT CP	1666.67	0.00	0.00	-	32 3P MCB	LIFT CONTYROL PANEL	4C,16	1.90	3166.67	0.00	0.00
		0.00	1666.67	0.00						0.00	3166.67	0.00
		0.00	0.00	1666.67						0.00	4.00	3166.67
Total Load		70929.67	66619.67	64819.67						64963.37	61634.37	60004.37

TOTAL CONNECTED LOAD (kW)	202.37
TOTAL DIVERSIFIED LOAD (kW)	186.60

DISTRIBUTION BOARD						DB-AC1						
LOCATION						MAIN BUILDING GF M & E ROOM						
FEED FROM						MDB-MB						
INCOMMING CABLE						4C 16sqmmPVC/SWA/XLPE/CU + 1C 16sqmm PVC E						
INCOMING BREAKER						100A 4P MCCB						
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Divercity Factor	Divercified Load (W)		
		R	Y	B						R	Y	B
1	ISO-1	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-2	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-3	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
2	ISO-4	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-5	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-6	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
3	ISO-7	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-8	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-9	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
4	ISO-10	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-11	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-12	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
5	ISO-13	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-14	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-15	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
6	ISO-16	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-17	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-18	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
7	ISO-19	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-20	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-21	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
8	ISO-22	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-23	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-24	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
9	ISO-25	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-26	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-27	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
10	ISO-28	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-29	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-30	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
11	ISO-31	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-32	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-33	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
12	ISO-34	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-35	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-36	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
13	ISO-37	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-38	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-39	0.00	0.00	2000.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
14	ISO-40	2000.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-41	0.00	2000.00	0.00	20A SP MCB		A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	SPARE	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
Total Load		28000.00	28000.00	26000.00						25200.00	25200.00	23400.00

TOTAL CONNECTED LOAD (kW)		82.00
TOTAL DIVERSIFIED LOAD (kW)		73.80

DISTRIBUTION BOARD						DB-M1( TYP FOR DB-M2 / DB-M3 )						
LOCATION						MAIN BUILDING GF M & E ROOM						
FEED FROM						MDB-MB						
INCOMMING CABLE						4C 16sqmmPVC/SWA/XLPE/CU + 1C 10sqmm PVC E						
INCOMING BREAKER						63A 4P MCCB						
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Diversity Factor	Divercified Load (W)		
		R	Y	B						R	Y	B
1	L1.S1	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S2	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S3	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S4	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S5	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S6	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S7	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S8	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S9	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.90	0.00	0.00	0.00
	L1.S10	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.90	0.00	0.00	0.00
	L1.P1	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P2	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P3	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P4	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P5	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P6	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P7	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P8	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P9	300.00	0.00	0.00	20A SP MCB		SPARE	2x2.5	0.50	150.00	0.00	0.00
	L1.P10	300.00	0.00	0.00	20A SP MCB		SPARE	2x2.5	0.50	150.00	0.00	0.00
	L1.P11	300.00	0.00	0.00	20A SP MCB		SPARE	2x2.5	0.50	150.00	0.00	0.00
2	L2.S1	0.00	100.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S2	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S3	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S4	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S5	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S6	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S7	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S8	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S9	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L2.S10	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L2.P1	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P2	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P3	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P4	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P5	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P6	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P7	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P8	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P9	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P10	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
	L2.P11	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00
3	L3.S1	0.00	0.00	100.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S2	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S3	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S4	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S5	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S6	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S7	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S8	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S9	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L3.S10	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L3.P1	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P2	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P3	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P4	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P5	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P6	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P7	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P8	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P9	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P10	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
	L3.P11	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00
L1.S11	L1.S11	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S12	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S13	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S14	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S15	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S16	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00

4	L1.S17	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S18	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S19	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L1.S20	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L1.P11	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P12	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P13	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P14	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P15	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P16	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P17	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P18	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
5	L1.P19	0.00	0.00	0.00	20A SP MCB	40A DP RCCB (30mA)	SPARE	-	0.00	0.00	0.00	0.00		
	L1.P20	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.S11	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S12	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S13	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S14	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S15	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S16	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S17	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S18	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S19	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.S20	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
6	L2.P11	0.00	300.00	0.00	20A SP MCB	40A DP RCCB (30mA)	POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P12	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P13	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P14	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P15	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P16	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P17	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P18	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P19	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.P20	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	6	L3.S11	0.00	0.00	100.00		10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	0.00	90.00
		L3.S12	0.00	0.00	100.00		10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
L3.S13		0.00	0.00	100.00	10A SP MCB	LIGHTING	2x1.5		0.90	0.00	0.00	90.00		
L3.S14		0.00	0.00	100.00	10A SP MCB	LIGHTING	2x1.5		0.90	0.00	0.00	90.00		
L3.S15		0.00	0.00	100.00	10A SP MCB	LIGHTING	2x1.5		0.90	0.00	0.00	90.00		
L3.S16		0.00	0.00	100.00	10A SP MCB	LIGHTING	2x1.5		0.90	0.00	0.00	90.00		
L3.S17		0.00	0.00	100.00	10A SP MCB	LIGHTING	2x1.5		0.90	0.00	0.00	90.00		
L3.S18		0.00	0.00	100.00	10A SP MCB	LIGHTING	2x1.5		0.90	0.00	0.00	90.00		
L3.S19		0.00	0.00	0.00	10A SP MCB	SPARE	-		0.00	0.00	0.00	0.00		
L3.S20		0.00	0.00	0.00	10A SP MCB	SPARE	-		0.00	0.00	0.00	0.00		
L3.P11		0.00	0.00	300.00	20A SP MCB	POWER	2x2.5		0.50	0.00	0.00	150.00		
L3.P12		0.00	0.00	300.00	20A SP MCB	POWER	2x2.5		0.50	0.00	0.00	150.00		
L3.P13	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00				
L3.P14	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00				
L3.P15	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00				
L3.P16	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00				
L3.P17	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00				
L3.P18	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00				
L3.P19	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00				
L3.P20	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00				
Total Load		9400.00	9400.00	9400.00								5340.00	5340.00	5340.00

TOTAL CONNECTED LOAD (kW)										28.20		
TOTAL DIVERSIFIED LOAD (kW)										16.02		

DISTRIBUTION BOARD					MDB-SA							
LOCATION					STUDENT ACCOMMODATION GF M & E ROOM							
FEED FROM					MDB-MB							
INCOMMING CABLE					4C 35sqmmPVC/SWA/XLPE/CU + 1C 16sqmm PVC E							
INCOMING BREAKER					150A 4P MCCB							
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Diversity Factor	Diversified Load (W)		
		R	Y	B						R	Y	B
1	L1.S1	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S2	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S3	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S4	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S5	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S6	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S7	100.00	0.00	0.00	10A SP MCB		LIGHTING	-	0.00	0.00	0.00	0.00
	L1.S8	100.00	0.00	0.00	10A SP MCB		LIGHTING	-	0.00	0.00	0.00	0.00
	L1.S9	0.00	0.00	0.00	10A SP MCB		SPARE	2x1.5	0.90	0.00	0.00	0.00
	L1.S10	0.00	0.00	0.00	10A SP MCB		SPARE	2x1.5	0.90	0.00	0.00	0.00
	L1.P1	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P2	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P3	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P4	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L1.P5	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
2	DB-A1	2490.00	0.00	0.00	-	63 3P MCB	DB-A1	4C,10	0.90	2241.00	0.00	0.00
		0.00	2490.00	0.00						0.00	2241.00	0.00
		0.00	0.00	2490.00						0.00	0.00	2241.00
3	DB-A2	4740.00	0.00	0.00	-	63 3P MCB	DB-A2	4C,10	0.90	4266.00	0.00	0.00
		0.00	4740.00	0.00						0.00	4266.00	0.00
		0.00	0.00	4740.00						0.00	0.00	4266.00
4	DB-A3	4740.00	0.00	0.00	-	63 3P MCB	DB-A3	4C,10	0.90	4266.00	0.00	0.00
		0.00	4740.00	0.00						0.00	4266.00	0.00
		0.00	0.00	4740.00						0.00	0.00	4266.00
5	DB-AC2	16200.00	0.00	0.00	-	63 3P MCB	DB-AC2	4C,16	0.90	14580.00	0.00	0.00
		0.00	14400.00	0.00						0.00	12960.00	0.00
		0.00	0.00	14400.00						0.00	0.00	12960.00
Total Load		29870.00	26370.00	26370.00						26343.00	23733.00	23733.00

TOTAL CONNECTED LOAD (kW)										82.61		
TOTAL DIVERSIFIED LOAD (kW)										73.81		

DISTRIBUTION BOARD						DB-A1								
LOCATION						STUDENT ACCOMMODATION GF M & E ROOM								
FEED FROM						MDB-SA								
INCOMMMING CABLE						4C 10sqmmPVC/SWA/XLPE/CU + 1C 10sqmm PVC E								
INCOMING BREAKER						63A 4P MCCB								
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Divercity Factor	Diversified Load (W)				
		R	Y	B						R	Y	B		
1	L1.S1	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S2	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S3	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S4	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S5	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S6	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00		
	L1.S7	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L1.S8	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L1.P1	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P2	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P3	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P4	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P5	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P6	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P7	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P8	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P9	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P10	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P11	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P12	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P13	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P14	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L1.P15	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
2	L2.S1	0.00	100.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S2	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S3	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S4	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S5	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S6	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S7	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.S8	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.P1	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P2	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P3	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P4	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P5	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P6	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P7	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P8	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P9	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P10	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P11	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P12	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P13	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P14	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.P15	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
3	L3.S1	0.00	0.00	100.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S2	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S3	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S4	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S5	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S6	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S7	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L3.S8	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L3.P1	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P2	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P3	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P4	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P5	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P6	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P7	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P8	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P9	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P10	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P11	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P12	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P13	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P14	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L3.P15	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
Total Load		4500.00	4500.00	4500.00								2490.00	2490.00	2490.00

TOTAL CONNECTED LOAD (kW)										13.50		
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TOTAL DIVERSIFIED LOAD (kW)										7.47		
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DISTRIBUTION BOARD						DB-A2( TYP FOR DB-A3)						
LOCATION						STUDENT ACCOMMODATION FF M & E ROOM						
FEED FROM						MDB-SA						
INCOMMING CABLE						4C 10sqmmPVC/SWA/XLPE/CU + 1C 10sqmm PVC E						
INCOMING BREAKER						63A 4P MCCB						
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Diversity Factor	Diversified Load (W)		
		R	Y	B						R	Y	B
1	L1.S1	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S2	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S3	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S4	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S5	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S6	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S7	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S8	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S9	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S10	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S11	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S12	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S13	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S14	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L1.S15	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L1.P1	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P2	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P3	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P4	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
	L1.P5	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00
2	L1.P6	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00	
	L1.P7	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00	
	L1.P8	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00	
	L1.P9	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00	
	L1.P10	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00	
	L2.S1	0.00	100.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S2	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S3	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S4	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S5	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S6	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S7	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S8	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S9	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S10	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S11	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S12	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S13	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00
	L2.S14	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L2.S15	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
L2.P1	0.00	300.00	0.00	20A SP MCB	POWER		2x2.5	0.50	0.00	150.00	0.00	
L2.P2	0.00	300.00	0.00	20A SP MCB	POWER		2x2.5	0.50	0.00	150.00	0.00	
L2.P3	0.00	300.00	0.00	20A SP MCB	POWER		2x2.5	0.50	0.00	150.00	0.00	
L2.P4	0.00	300.00	0.00	20A SP MCB	POWER		2x2.5	0.50	0.00	150.00	0.00	
L2.P5	0.00	300.00	0.00	20A SP MCB	POWER		2x2.5	0.50	0.00	150.00	0.00	
3	L2.P6	0.00	300.00	0.00	20A SP MCB	POWER	2x2.5	0.50	0.00	150.00	0.00	
	L2.P7	0.00	300.00	0.00	20A SP MCB	POWER	2x2.5	0.50	0.00	150.00	0.00	
	L2.P8	0.00	300.00	0.00	20A SP MCB	POWER	2x2.5	0.50	0.00	150.00	0.00	
	L2.P9	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00	
	L2.P10	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00	
	L3.S1	0.00	0.00	100.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S2	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S3	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S4	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S5	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S6	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S7	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S8	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S9	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S10	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S11	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S12	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S13	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00
	L3.S14	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
	L3.S15	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00
L3.P1	0.00	0.00	300.00	20A SP MCB	POWER		2x2.5	0.50	0.00	0.00	150.00	
L3.P2	0.00	0.00	300.00	20A SP MCB	POWER		2x2.5	0.50	0.00	0.00	150.00	
L3.P3	0.00	0.00	300.00	20A SP MCB	POWER		2x2.5	0.50	0.00	0.00	150.00	
L3.P4	0.00	0.00	300.00	20A SP MCB	POWER		2x2.5	0.50	0.00	0.00	150.00	
L3.P5	0.00	0.00	300.00	20A SP MCB	POWER		2x2.5	0.50	0.00	0.00	150.00	
4	L3.P6	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00	
	L3.P7	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00	
	L3.P8	0.00	0.00	300.00	20A SP MCB	POWER	2x2.5	0.50	0.00	0.00	150.00	
	L3.P9	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00	
	L3.P10	0.00	0.00	0.00	20A SP MCB	SPARE	-	0.00	0.00	0.00	0.00	
	L1.S16	100.00	0.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S17	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S18	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S19	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S20	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S21	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S22	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S23	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S24	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S25	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
	L1.S26	100.00	0.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	90.00	0.00	0.00
L1.S27	100.00	0.00	0.00	10A SP MCB	LIGHTING		2x1.5	0.90	90.00	0.00	0.00	
L1.S28	100.00	0.00	0.00	10A SP MCB	LIGHTING		2x1.5	0.90	90.00	0.00	0.00	
L1.S29	0.00	0.00	0.00	10A SP MCB	SPARE		-	0.00	0.00	0.00	0.00	
L1.S30	0.00	0.00	0.00	10A SP MCB	SPARE		-	0.00	0.00	0.00	0.00	
L1.P11	300.00	0.00	0.00	20A SP MCB	POWER		2x2.5	0.50	150.00	0.00	0.00	
L1.P12	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00		
L1.P13	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00		
L1.P14	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00		
L1.P15	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00		
L1.P16	300.00	0.00	0.00	20A SP MCB	POWER	2x2.5	0.50	150.00	0.00	0.00		

	L1.P17	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P18	300.00	0.00	0.00	20A SP MCB		POWER	2x2.5	0.50	150.00	0.00	0.00		
	L1.P19	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L1.P20	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
5	L2.S16	0.00	100.00	0.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S17	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S18	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S19	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S20	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S21	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S22	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S23	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S24	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S25	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S26	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S27	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S28	0.00	100.00	0.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	90.00	0.00		
	L2.S29	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.S30	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.P11	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P12	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P13	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P14	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P15	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P16	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P17	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P18	0.00	300.00	0.00	20A SP MCB		POWER	2x2.5	0.50	0.00	150.00	0.00		
	L2.P19	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L2.P20	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
6	L3.S16	0.00	0.00	100.00	10A SP MCB	40A DP RCCB (30mA)	LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S17	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S18	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S19	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S20	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S21	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S22	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S23	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S24	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S25	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S26	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S27	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S28	0.00	0.00	100.00	10A SP MCB		LIGHTING	2x1.5	0.90	0.00	0.00	90.00		
	L3.S29	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L3.S30	0.00	0.00	0.00	10A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L3.P11	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P12	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P13	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P14	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P15	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P16	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P17	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P18	0.00	0.00	300.00	20A SP MCB		POWER	2x2.5	0.50	0.00	0.00	150.00		
	L3.P19	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
	L3.P20	0.00	0.00	0.00	20A SP MCB		SPARE	-	0.00	0.00	0.00	0.00		
Total Load		7400.00	7400.00	7400.00								4740.00	4740.00	4740.00

TOTAL CONNECTED LOAD (kW)										22.20		
TOTAL DIVERSIFIED LOAD (kW)										14.22		

DISTRIBUTION BOARD					DB-AC2							
LOCATION					STUDENT ACCOMMODATION GF M & E ROOM							
FEED FROM					MDB-SA							
INCOMMING CABLE					4C 16sqmmPVC/SWA/XLPE/CU + 1C 16sqmm PVC E							
INCOMING BREAKER					120A 4P MCCB							
#	Circuit No	Total connected Load (W)			Circuit Breaker	Main Breaker	Description	CABLE SIZE sq.mm	Diversity Factor	Diversified Load (W)		
		R	Y	B						R	Y	B
1	ISO-1	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-2	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-3	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
2	ISO-4	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-5	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-6	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
3	ISO-7	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-8	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-9	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
4	ISO-10	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-11	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-12	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
5	ISO-13	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-14	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-15	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
6	ISO-16	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-17	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-18	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
7	ISO-19	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-20	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-21	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
8	ISO-22	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	ISO-23	0.00	2000.00	0.00	20A SP MCB	RCCB	A/C OUTDOOR UNIT	2x4	0.90	0.00	1800.00	0.00
	ISO-24	0.00	0.00	2000.00	20A SP MCB	(30mA)	A/C OUTDOOR UNIT	2x4	0.90	0.00	0.00	1800.00
9	ISO-25	2000.00	0.00	0.00	20A SP MCB	40A DP	A/C OUTDOOR UNIT	2x4	0.90	1800.00	0.00	0.00
	SPARE	0.00	0.00	0.00	20A SP MCB	RCCB	SPARE	-	0.00	0.00	0.00	0.00
	SPARE	0.00	0.00	0.00	20A SP MCB	(30mA)	SPARE	-	0.00	0.00	0.00	0.00
Total Load		18000.00	16000.00	16000.00						16200.00	14400.00	14400.00

TOTAL CONNECTED LOAD (kW)		50.00
TOTAL DIVERSIFIED LOAD (kW)		45.00