BUROHAPPOLD ENGINEERING

BH-ZSG-SCH-E-0001

Section D - Distribution Board Schedule

Revision	Description	Issued by	Date	Checked by
00	VFC	JV	Dec-15	PG
01	VFC	JV	Dec-15	PG

PANEL	**SG-ELPDB-L0001**	**KA RATING**	**10 KA**
LOCATION	MEP ROOM (ELEC)	**NO OF WAYS**	**12 WAYS**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
100 A 4P Isolator	RCCB PER PHASE	6A	2.5	2.5	2.5	R1	LIGHTING - 1 (A1), 1 (A1),1 (A1),1 (A1)	DIMMER SWITCH	4	-	45.2			MEETING ROOM 5,6, 7 & 8
		6A	2.5	2.5	2.5	Y1	LIGHTING - 4 (A7)	DIMMER SWITCH	4	-		86.4		MODEL AREA
		6A	2.5	2.5	2.5	B1	LIGHTING - 4 (A1)	DIMMER SWITCH	4	-			42.8	SEATING PODS
		6A	2.5	2.5	2.5	R2	LIGHTING - 5 (A1), 2 (A7)	DIMMER SWITCH	2	-	96.7			ENTRANCE FOYER AND RECEPTION
		6A	2.5	2.5	2.5	Y2	LIGHTING - 3 (A7)	DIMMER SWITCH	3	-		64.8		WAITING AREA
		6A	2.5	2.5	2.5	B2	SPARE	MCB		-				
		6A	2.5	2.5	2.5	R3	LIGHTING - 2 (A6)	MCB			29.68			STORE RM
		6A	2.5	2.5	2.5	Y3	LIGHTING - 2(A1a), 1(A1a),1(A1a),1(A1a),1(A1a),1(A1a),1(A1a),1(A1a),1(A9), 1 (A1a), 1(A1a), 1(A6), 1(A6) , 1(K) - [SWITCH BOARD REF = SB(2,4,6,8,10,12,12A,14,16,17,17A,19,21)]	MCB	13	-		296.9		OFFICE, CHANGING ROOM & KITCHEN
		6A	2.5	2.5	2.5	B3	SPARE			-			-	
		6A	2.5	2.5	2.5	R4	LIGHTING - 10 (A1)	MCB	10	-	107			MALE & FEMALE TOILET
		10A	2.5	2.5	2.5	Y4	SOCKETS FOR CAMERA	MCB	6	-		300		VARIOUS LOCATIONS
		16A	2.5	2.5	2.5	B4	SPARE			-			-	
		20A	4	4	4	R5	SOCKETS - AV SYSTEM	MCB	1	-	1000			MODEL AREA
		16A	4	4	4	Y5	SOCKETS - GENERAL	MCB	2	-		300		RECEPTION
		32A	10	10	10	B5	IT RACK	MCB	1	-			3500	STORE RM
		20A	4	4	4	R6	SOCKETS - AV SYSTEM	MCB	2	-	1000			STORE RM
		20A	4	4	4	Y6	SOCKETS - AV SYSTEM	MCB	1	-		1000		STORE RM
		20A	-	-	-	B6	SPACE ONLY	MCB		-				

100A

63A DP 30mA

16A	4	4	4	R7	SOCKETS - COMPUTERS	MCB	4	-	600			OFFICE AREA
16A	4	4	4	Y7	SOCKETS - COMPUTERS	MCB	4	-		600		OFFICE AREA
16A	-	-	-	B7	SPACE ONLY	MCB		-			-	
16A	4	4	4	R8	SOCKETS - COMPUTERS	MCB	4	-	600			OFFICE AREA
16A	4	4	4	Y8	SOCKETS - COMPUTERS	MCB	3	-		450		OFFICE AREA
16A	-	-	-	B8	SPACE ONLY	MCB					-	
16A	-	-	-	R9	SPACE ONLY	MCB						
16A	-	-	-	Y9	LIGHTING	MCB				300		SHOW FLAT
16A	-	-	-	B9	SPACE ONLY	MCB					-	
16A	-	-	-	R10	SPACE ONLY	MCB			-			
16A	4	4	4	Y10	SOCKETS - AV SYSTEM RACK	MCB	1			500		STORE RM
16A	-	-	-	B10	SPACE ONLY	MCB					-	
16A	-	-	-	R11	SPACE ONLY	MCB			-			
16A	-	-	-	Y11	SPACE ONLY	MCB				-		
16A	-	-	-	B11	SPACE ONLY	MCB					-	
16A	-	-	-	R12	SPACE ONLY	MCB			-			
16A	-	-	-	Y12	SPACE ONLY	MCB				-		
16A	-	-	-	B12	SPACE ONLY	MCB					-	
					TOTAL LOAD (IN WATT)	**10919**		**TOTAL LOAD**	**3479**	**3898**	**3543**	

PANEL	**SG-ACDB-LOOO1**	**KA RATING**	**10 KA**
LOCATION	MEP ROOM (ELEC)	**NO OF WAYS**	**6 WAYS**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
100A 4P Isolator	63A 30mA DP RCCB PER PHASE	16A	4	4	4	R1	SG-IDU-L0006	MCB			760			ABOVE CEILING
		16A	4	4	4	Y1	SG-IDU-L0007	MCB				760		ABOVE CEILING
		16A	4	4	4	B1	SG-IDU-L0008	MCB					760	ABOVE CEILING
		16A	4	4	4	R2	SG-IDU-L0005	MCB		0	760			ABOVE CEILING
		16A	4	4	4	Y2	SG-IDU-L0010	MCB				160		ABOVE CEILING
		16A	4	4	4	B2	SG-IDU-L0011	MCB					100	ABOVE CEILING
		16A	4	4	4	R3	SG-IDU-L0012	MCB			430			ABOVE CEILING
		16A	4	4	4	Y3	SG-IDU-L0013	MCB				430		ABOVE CEILING
		16A	4	4	4	B3	SG-IDU-L0014	MCB					760	ABOVE CEILING
		16A	4	4	4	R4	SG-FAF-L0002	MCB			550			ABOVE CEILING
		16A	4	4	4	Y4	SG-TEF-L0001 & LOOO2	MCB				740		ABOVE CEILING
		16A	4	4	4	B4	SG-KEF-L0001	MCB					1100	ABOVE CEILING
		16A	-	-	-	R5	SPARE							
		16A	-	-	-	Y5	SPARE							
		16A	-	-	-	B5	SPACE							

		16A	-	-	-	R6	SPACE							
		16A	-	-	-	Y6	SPACE							
		16A	-	-	-	B6	SPACE							
							TOTAL LOAD (IN WATT)	**7310**		**TOTAL LOAD**	**2500**	**2090**	**2720**	
							Maximum load @ 1 diversity	**7310**						

PANEL	**SG-ACDB-LOOO2**	**KA RATING**	**10 KA**
LOCATION	STORE ROOM	**NO OF WAYS**	**6 WAYS**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
10A 4P Isolator	63A 30mA DP RCCB PER PHASE	16A	4	4	4	R1	SG-IDU-L0004	MCB			100			ABOVE CEILING
		16A	4	4	4	Y1	SG-IDU-L0009	MCB				760		ABOVE CEILING
		16A	4	4	4	B1	SG-IDU-L0003	MCB					760	ABOVE CEILING
		16A	4	4	4	R2	SG-IDU-L0002	MCB		0	760			ABOVE CEILING
		16A	4	4	4	Y2	SG-IDU-L0001	MCB				760		ABOVE CEILING
		16A	4	4	4	B2	SG-FAF-L0001	MCB					550	ABOVE CEILING
		16A	4	4	4	R3	SPARE	MCB			0			
		16A	4	4	4	Y3	SPARE	MCB				0		
		16A	-	-	-	B3	SPACE ONLY	MCB					0	
		16A	-	-	-	R4	SPACE ONLY	MCB			0			
		16A	-	-	-	Y4	SPACE ONLY	MCB				0		
		16A	-	-	-	B4	SPACE ONLY	MCB					0	
		16A	-	-	-	R5	SPACE ONLY	MCB			0			
		16A	-	-	-	Y5	SPACE ONLY	MCB				0		
		16A	-	-	-	B5	SPACE ONLY	MCB					0	

		16A	-	-	-	R6	SPACE ONLY	MCB			0			
		16A	-	-	-	Y6	SPACE ONLY	MCB				0		
		16A	-	-	-	B6	SPACE ONLY	MCB					0	
							TOTAL LOAD (IN WATT)	**3690**		**TOTAL LOAD**	**860**	**1520**	**1310**	
							Maximum load @ 1 diversity	**3690**						

PANEL	**SG-LPDB-L0001**	**KA RATING**	**10 KA**
LOCATION	MEP ROOM (ELEC)	**NO OF WAYS**	**12 WAYS**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
100A 4P Isolator	4P 30mA RCCB PER PHASE	6A	2.5	2.5	2.5	R1	LIGHTING - 4 (A1), 2 (C7), 2(A1), 4 (A1), 2 (C7), 2(A1)	DIMMER SWITCH	16	-	535.6			MEETING ROOM 3 & 2
		6A	2.5	2.5	2.5	Y1	LIGHTING - 4 (E2), 3 (E3), 1 (B1), 4(A1), 4 (E3), 6(A1), 4(E2), 4(E3), 1 (B1), 1(B1)	DIMMER SWITCH	32			755.42		MALE & FEMALE TOILET
		6A	2.5	2.5	2.5	B1	LIGHTING - 35(A1)	MCB	35				374.5	SEATING PODS AREA
		6A	2.5	2.5	2.5	R2	LIGHTING - 5 (K)	MCB	3		300			KITCHEN
		16A	4	4	4	Y2	SOCKETS - SANDWICH MAKER	MCB				900		KITCHEN
		6A	2.5	2.5	2.5	B2	LIGHTING - 1 (C8), 2 (A7), 27 (G1), 1 (C8), 2 (A7), 27 (G1), 2(A7), 3(A7), 2 (A7), 3(A7)	MCB					479	SEATING PODS AND MODEL
		6A	2.5	2.5	2.5	R3	LIGHTING - B1 (27.5 Mts + 27.5 Mts)	MCB	2		740.16			SEATING PODS MODEL AREA
		6A	2.5	2.5	2.5	Y3	LIGHTING - B1 (27.5 Mts + 27.5 Mts)	MCB	2			740.16		SEATING PODS MODEL AREA
		6A	2.5	2.5	2.5	B3	LIGHTING - B1	MCB	2				532.8	MEETING ROOM 2 & 3
		16A	4	4	4	R4	SOCKETS - DOUBLE DOOR FRIDGE	MCB	1		500			KITCHEN
		16A	4	4	4	Y4	SOCKETS - MISCELLANEOUS	MCB	2			500		KITCHEN
		6A	2.5	2.5	2.5	B4	LIGHTING - 5(A9), 3(A9), 3(A1a), 1(A1a), 3(A6), 3(A6), 2(A1a) 2(A1a), 1(A9), 1(A1a), 2(A1a), 2(A1a), 1(A1a), 1(A1a), 3(A1a), 1(A1a) [SWITCH BOARD - REF - SB(1,3,57,9,11,13,11A,15,1820)	MCB	33				500.4	OFFICE & CHANGING RM
		16A	4	4	4	R5	SOCKETS - WORKSTATION	MCB	2		500			OFFICE
		16A	4	4	4	Y5	SOCKETS - WORKSTATION	MCB	2			500		OFFICE
		16A	4	4	4	B5	SOCKETS - WORKSTATION	MCB	2				500	OFFICE
		16A	4	4	4	R6	SOCKETS - WORKSTATION	MCB	2		500			OFFICE
		16A	4	4	4	Y6	SOCKETS - WORKSTATION	MCB	2			500		OFFICE
		16A	4	4	4	B6	SOCKETS - WORKSTATION	MCB	2				500	OFFICE
		16A	4	4	4	R7	SOCKETS - WORKSTATION	MCB	2		500			OFFICE

63A D

16A	4	4	4	Y7	SOCKETS - WORKSTATION	MCB	3			750		OFFICE
16A	4	4	4	B7	SOCKETS - GENERAL	MCB	3				450	MEP RM AREA
16A	4	4	4	R8	SOCKETS - GENERAL	MCB	7		700			CHANGING RM AREA
16A	4	4	4	Y8	SOCKETS - GENERAL	MCB	7			850		MEETING ROOM 3 & 2
16A	4	4	4	B8	SOCKETS - GENERAL	MCB	3				450	TOILET BLOCK
16A	4	4	4	R9	SOCKETS - GENERAL	MCB	2		300			SEATING PODS
16A	4	4	4	Y9	SOCKETS - GENERAL	MCB	3			750		MODEL
6A	2.5	2.5	2.5	B9	LIGHTING - 1(B1)	MCB	1				511.2	MODEL AREA
20A	4	4	4	R10	SOCKETS - GENERAL	MCB	1		1000			MODEL
16A	4	4	4	Y10	SOCKETS - MICROWAVE	MCB	1			1000		KITCHEN
20A	6	6	6	B10	SOCKETS -COFFEE VENDING MACHINE	MCB	1				2500	KITCHEN
16A	4	4	4	R11	SOCKETS - WATER KETTLE	MCB	1		1250			KITCHEN
16A	4	4	4	Y11	SOCKETS - WATER DISPENSER, JUICER	MCB	2			1000		KITCHEN
16A	4	4	4	B11	SOCKETS - HOT PLATE	MCB	1				1500	KITCHEN
16A	-	-	-	R12	SPARE	MCB						
16A	-	-	-	Y12	SPARE	MCB						
16A	-	-	-	B12	SPARE	MCB						
					TOTAL LOAD (IN WATT)	**23369**		**TOTAL LOAD**	**6826**	**8246**	**8298**	

PANEL	**SG-LPDB-L0002**	**KA RATING**	**10 KA**
LOCATION	STORE ROOM	**NO OF WAYS**	**12 WAYS**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
100A 4P Isolator	63A DP 30mA RCCB PER PHASE	6A	2.5	2.5	2.5	R1	LIGHTING - 3 (A1), 2 (C7), 2(A1), 1 (B1), 1 (B1)	DIMMER & /OR SWITCH	9	-	525.78			MEETING ROOM 1
		6A	2.5	2.5	2.5	Y1	LIGHTING - 3 (A1), 2 (C7), 2(A1), 1 (B1), 1 (B1)	DIMMER & /OR SWITCH	9	-		495.54		MEETING ROOM 4
		6A	2.5	2.5	2.5	B1	LIGHTING - 3 (A1), 2 (C7), 2(A1), 1 (B1), 1 (B1)	DIMMER & /OR SWITCH	9	-			491.22	MEETING ROOM 5
		6A	2.5	2.5	2.5	R2	LIGHTING - 3 (A1), 2 (C7), 2(A1), 1 (B1), 1 (B1)	DIMMER & /OR SWITCH	9	-	491.22			MEETING ROOM 6
		6A	2.5	2.5	2.5	Y2	LIGHTING - 3 (A1), 2 (C7), 2(A1), 1 (B1), 1 (B1)	DIMMER & /OR SWITCH	9	-		481.14		MEETING ROOM 7
		6A	2.5	2.5	2.5	B2	LIGHTING - 3 (A1), 2 (C7), 2(A1), 1 (B1), 1 (B1)	DIMMER & /OR SWITCH	9	-			481.14	MEETING ROOM 8
		10A	4	4	4	R3	LIGHTING - 17(A1), 22(G1), 4 (A7), 6(A7), 1(B1), 1 (B1)	DIMMER & /OR SWITCH	46	-	831.52			RECEPTION AREA
		6A	2.5	2.5	2.5	Y3	LIGHTING - 19 (A8), 10 (A7), 10(A7)	DIMMER & /OR SWITCH	39			664.8		WAITING AREA
		10A	4	4	4	B3	LIGHTING - 1 (C7), 3 (A7), 4(A7), 1 (C6)	DIMMER & /OR SWITCH	9				787.5	ENTRANCE & WAITING
		6A	2.5	2.5	2.5	R4	LIGHTING - 1 (C8), 2 (A7), 27 (G1), 1 (C8), 2 (A7), 27 (G1), 2(A7), 3(A7), 2 (A7)	DIMMER & /OR SWITCH	67		457.4			MODEL AREA & SEATING PODS
		16A	4	4	4	Y4	SOCKETS - GENERAL	MCB	3			600		WAITING AREA
		16A	4	4	4	B4	SOCKETS - GENERAL	MCB	3				600	WAITING AREA
		16A	4	4	4	R5	SOCKETS - GENERAL	MCB	6		700			MEETING ROOM 1 & 4
		16A	4	4	4	Y5	SOCKETS - GENERAL	MCB	7			800		MEETING ROOM 5 & 6
		10A	4	4	4	B5	LIGHTING - B1	MCB	2				1077.12	WAITING AREA
		16A	4	4	4	R6	SOCKETS - GENERAL	MCB	6		700			MEETING ROOM 7 & 8
		16A	4	4	4	Y6	SOCKETS - GENERAL	MCB	4			600		STORE RM & SEATING POD
		16A	-	-	-	B6	SPARE	MCB					0	
		16A	4	4	4	R7	SOCKETS - RECEPTION	MCB	1		400			RECEPTION AREA
		10A	2.5	2.5	2.5	Y7	LIGHTING - 3(A6)	MCB				44.4		STORE RM

		20A	4	4	4	B7	JUNCTION BOX -	MCB					1000	RECEPTION AREA
		16A	-	-	-	R8	SPARE	MCB						
		16A	-	-	-	Y8	SPACE ONLY	MCB						
		16A	-	-	-	B8	SPACE ONLY	MCB						
		16A	-	-	-	R9	SPACE ONLY	MCB						
		16A	-	-	-	Y9	SPACE ONLY	MCB						
		16A	-	-	-	B9	SPACE ONLY	MCB						
		16A	-	-	-	R10	SPACE ONLY	MCB						
		16A	-	-	-	Y10	SPACE ONLY	MCB						
		16A	-	-	-	B10	SPACE ONLY	MCB						
		16A	-	-	-	R11	SPACE ONLY	MCB						
		16A	-	-	-	Y11	SPACE ONLY	MCB						
		16A	-	-	-	B11	SPACE ONLY	MCB						
		16A	-	-	-	R12	SPACE ONLY	MCB						
		16A	-	-	-	Y12	SPACE ONLY	MCB						
		16A	-	-	-	B12	SPACE ONLY	MCB						
							TOTAL LOAD (IN WATT)	**12229**		**TOTAL LOAD**	**4106**	**3686**	**4437**	

PANEL	**SG-TENANT-L0001**	**KA RATING**	**10 KA**
LOCATION	SHOW FLAT	**NO OF WAYS**	**6 WAYS**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
100A 4P Isolator	63A DP 30mA RCCB PER PHASE	6A	2.5	2.5	2.5	R1	LIGHTING - 4 (A100), 2 (A4), 3(A100),1 (C5), 2 (B1), 1 (A2), 2(A100), 1(J1), 1(J1x4), 1(J1x4), 1(J1),1 (J2x4)	DIMMER + SWITCH	18	-	272.18			MASTER BEDROOM AREA
		6A	2.5	2.5	2.5	Y1	SOCKTES - BEDSIDE, TV/SETTOP BOX & AC IDU	S	5	-		650		MASTER BEDROOM AREA
		6A	2.5	2.5	2.5	B1	LIGHTING - 1 (A6), 1(A4), 1(A3), 2 (A10), 7 (A10)	DIMMER + SWITCH	12	-			125.7	PUJA, BATHROOM, UTILITY & LIVING AREA
		6A	2.5	2.5	2.5	R2	SOCKETS - CHILDREN RM	S	4	-	450			CHILDREN ROOM
		6A	2.5	2.5	2.5	Y2	LIGHITNG - 4 (A10), 1 (B1), 2 (A2), 2 (A5), 1 (C1), 3 (E3), 1(J1)	DIMMER + SWITCH	14	-		282.44		CHILDREN ROOM
		6A	2.5	2.5	2.5	B2	SOCKETS - PUJA RM, STUDY, LIVING RM, TV / SET TOP, A/C IDU'S	S	8	-			850	LIVING RM / STUDY RM
		6A	2.5	2.5	2.5	R3	LIGHITNG - 4 (A10), 3 (A10), 1 (C2), 1 (B1)	DIMMER + SWITCH	8	-	233.02			LIVING RM
		6A	2.5	2.5	2.5	Y3	LIGHITNG - 4 (A10), 2 (A10), 1 (C3), 1 (B1), 3 (A10), 1(A6), 2(A10), 2(A10), 1(J1), 1(J1), 1 (J2X4), 1 (B1)	DIMMER + SWITCH	19	-		370.14		KITCHEN, DINING & STUDY ROOM
		6A	2.5	2.5	2.5	B3	LIGHITNG - 1(J1), 1 (A10), 3(A10), 3(A10), 1 (B1), 1(C4), 2(J1), 1(A10),2(A3), 1 (A4)	DIMMER + SWITCH	15				293.56	BEDROOM-2
		6A	2.5	2.5	2.5	R4	SOCKETS - TV SET TOP BOX, A/C IDU, BEDSIDE SOCKET	S	3		400			BEDROOM-2
						Y4	SPACE ONLY							
						B4	SPACE ONLY							
						R5	SPACE ONLY							
						Y5	SPACE ONLY							
						B5	SPACE ONLY							
						R6	SPACE ONLY							
						Y6	SPACE ONLY							
						B6	SPACE ONLY							
							TOTAL LOAD (IN WATT)	**3927**		**TOTAL LOAD**	**1355**	1302.58	1269.26	

PANEL	**SG-EXT-LPDB-L0001**	**KA RATING**	**10 KA**
LOCATION	DG Panel Room	**NO OF WAYS**	**FLEXI DB**
FED FROM	SG-MDB-L0001	**Cg**	**0.7**
INCOMING CABLE SIZE	REFER CABLE SCHEDULE - BH-ZSG-SCH-E-0002		
MAIN BREAKER TYPE & RATING	100 A 4P MCB ISOLATOR		

INCOMER	BUSBAR SECTION/ RCD PER PHASE	MCB Rating (A)	WIRE SIZE			CKT. REF. NO.	DESCRIPTION	CONTROL BY	NO. OF POINTS	CONNECTED LOAD (IN WATT)	CIRCUIT LOAD / PHASE (IN WATT)			Location
			P	N	E						R	Y	B	
P Isolator	RCBO PER PHASE	10A	4	4	4	R1	SPIKE MOUNTED UPLIGHT	MCB+CONT. (TIME SWITCH CONTROL)	25	3	75			
		10A	4	4	4	Y1	LED LINEAR SURFACE MOUNTED STRIP LIGHT	MCB+CONT. (TIME SWITCH CONTROL)	37	20		740		
		10A	4	4	4	B1	TREE CLAMPED ADUSTABLE SPOT LIGHT	MCB+CONT. (TIME SWITCH CONTROL)	18	18			324	
		10A	4	4	4	R2	TREE SUSPENDED DECORATIVE FIXTURE	MCB+CONT. (TIME SWITCH CONTROL)	13	60	780			
		10A	4	4	4	Y2	SPIKE MOUNTED UPLIGHT	MCB+CONT. (TIME SWITCH CONTROL)	31	3		93		
		10A	4	4	4	B2	TREE CLAMPED ADUSTABLE SPOT LIGHT	MCB+CONT. (TIME SWITCH CONTROL)	25	18			450	
		10A	4	4	4	R3	SPIKE MOUNTED UPLIGHT	MCB+CONT. (TIME SWITCH CONTROL)	6	10	60			
		10A	4	4	4	Y3	SPIKE MOUNTED UPLIGHT	MCB+CONT. (TIME SWITCH CONTROL)	8	10		80		
		10A	4	4	4	B3	SPIKE MOUNTED UPLIGHT	MCB+CONT. (TIME SWITCH CONTROL)	33	3			99	
		10A	4	4	4	R4	GROUND BURIED LINEAR WALL GRAZER	MCB+CONT. (TIME SWITCH CONTROL)	5	28	140			
		10A	4	4	4	Y4	GROUND BURIED LINEAR FLOOD BEAM UPLIGHT	MCB+CONT. (TIME SWITCH CONTROL)	2	70		140		
		10A	4	4	4	B4	FURNITURE INTEGRATED LINEAR LED LIGHT	MCB+CONT. (TIME SWITCH CONTROL)	21	14.4			302.4	
		10A	4	4	4	R5	TREE CLAMPED ADUSTABLE SPOT LIGHT WITH GOBO	MCB+CONT. (TIME SWITCH CONTROL)	20	18	360			
		10A	4	4	4	Y5	TREE CLAMPED ADUSTABLE SPOT LIGHT	MCB+CONT. (TIME SWITCH CONTROL)	22	18		396		
		10A	4	4	4	B5	TREE CLAMPED ADUSTABLE SPOT LIGHT	MCB+CONT. (TIME SWITCH CONTROL)	24	18			432	
		10A	4	4	4	R6	SURFACE MOUNTED DECORATIVE GLOBES	MCB+CONT. (TIME SWITCH CONTROL)	24	23	552			
		10A	4	4	4	Y6	SURFACE MOUNTED DECORATIVE GLOBES	MCB+CONT. (TIME SWITCH CONTROL)	21	23		483		

32A 4I	20A DP 30mA	32A	6	6	6	B6	SPN DB - SG-PR-LPDB-L0001	MCB (DP)					450	WATER PUMP ROOM
		32A	6	6	6	R7	SPN DB - SG-ER-LPDB-L0001	MCB (DP)			450			ELEC. ROOM
		32A	6	6	6	Y7	SPN DB - SG-GR-LPDB-L0001	MCB (DP)				600		GUARD ROOM
		16A	-	-	-	B7	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		16A	-	-	-	R8	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		16A	-	-	-	Y8	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		20A	-	-	-	B8	SPARE	MCB						
		20A	-	-	-	R9	SPARE	MCB						
		20A	-	-	-	Y9	SPARE	MCB						
		20A	-	-	-	B9	SPARE	MCB						
		20A	-	-	-	R10	SPARE	MCB						
		16A	-	-	-	B7	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		16A	-	-	-	B7	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		16A	-	-	-	B7	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		16A	-	-	-	B7	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
		16A	-	-	-	B7	SPARE	MCB+CONT. (TIME SWITCH CONTROL)						
							TOTAL LOAD (IN WATT)	**7006**		**TOTAL LOAD**	**2417**	**2532**	**2057**	