

VOL -2

TESTING & COMMISSIONING REPORT

Electrical & Allied Works



3rd & 4th Floor H.O Standard Chartered Bank II

Chundigar Road Karachi

Testing & Commissioning Report Lighting Control System 3rd Floor

Project Team	Project Manager	ASPL	<input type="checkbox"/> Civil & ID
	Architect	H3	<input checked="" type="checkbox"/> Electrical
	Electrical Consultant	Eleken Associates	
	Contractor	TOTAL Construction (SM Engineering)	<input type="checkbox"/> Mechanical / Plumbing

WORK PERFORMED		SYSTEM CONDITION	
WIRING	<input type="checkbox"/>		
INSTALLATION	<input type="checkbox"/>	SYSTEM IS WORKING OK	<input type="checkbox"/> YES <input type="checkbox"/> No.
CALIBRATION	<input type="checkbox"/>	DLP SWITCH WORKING	<input type="checkbox"/> YES <input type="checkbox"/> No.
COMMISSIONING	<input type="checkbox"/>	SYSTEM HANDED OVER	<input type="checkbox"/> YES <input type="checkbox"/> No.
TROUBLE SHOOT	<input type="checkbox"/>	RUNNING CONDITION	<input type="checkbox"/> YES <input type="checkbox"/> No.
LOOP IN TROUBLEM	<input type="checkbox"/>		
LOOP IN TROUBLEM	<input type="checkbox"/> YES <input type="checkbox"/> No.		

SYSTEM HAS BEEN INSTALLED TESTED COMMISSIONED

TROUBLE SHOOT & IS FOUND TO BE O.K.



Signature of Contractor

Muhammad Nadir

Name

Site Supervisor

Designation

Witness by Project Manager			
	Name	Date	Signature
Approved by Electrical Consultant			
	Name	Date	Signature



PROJECT COMPLETION CERTIFICATE

DESCRIPTION

Project Title 3rd Floor, Standard Chartered Bank

Application KNX Lighting Control System

Date of Completion March 14, 2022

This is to certify that Enerteck has successfully completed the KNX Lighting System Project on the above-mentioned date as per approved design & specifications. There is no outstanding/incomplete work left on the part of Enerteck and the project is being handed over to the Customer.

Customer Name:

Remarks:

A handwritten signature in blue ink, appearing to read "Muhammad Aslam".



Authorized Signature & Stamp

Address: SB 11, 1st Floor, KDA
Scheme 1A Ext. Opposite National
Stadium, Karachi

Landline : +92 213 4131304-6

Email: info@enerteck.pk

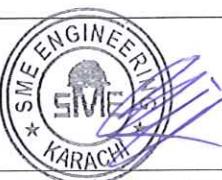
WebSite: www.enerteck.pk

Testing & Commissioning Report Sound System 3rd Floor

Project Team	Project Manager	ASPL	<input type="checkbox"/> Civil & ID
	Electrical Consultant	Eleken Associates	<input checked="" type="checkbox"/> Electrical
	Architect	H3	
	Civil Contractor	Total Construction SM Engineering	<input type="checkbox"/> Mechanical / Plumbing
	Project Managers	Arif Shah Private Limited	<input type="checkbox"/> Others

WORK PERFORMED	SYSTEM CONDITION
WIRING <input type="checkbox"/>	
SYSTEM INSTALLATION <input type="checkbox"/>	SYSTEM IS WORKING OK <input type="checkbox"/> YES <input type="checkbox"/> No.
CALIBRATION <input type="checkbox"/>	SPEAKER ZONE <input type="checkbox"/> YES <input type="checkbox"/> No.
COMMISSIONING <input type="checkbox"/>	SYSTEM HANDED OVER <input type="checkbox"/> YES <input type="checkbox"/> No.
TROUBLE SHOOT <input type="checkbox"/>	RUNNING CONDITION <input type="checkbox"/> YES <input type="checkbox"/> No.
SYSTEM TROUBLE SHOOTING <input type="checkbox"/>	<input type="checkbox"/> YES <input type="checkbox"/> No.

 SYSTEM HAS BEEN INSTALLED TESTED COMMISSIONED

 TROUBLE SHOOT & IS FOUND TO BE O.K.


Signature of Contractor

Muhammad Nadir

Name

Site Supervisor

Designation

Witness by Project Manager			
	Name	Date	Signature
Approved by Electrical Consultant			
	Name	Date	Signature

GIS FIRE & SECURITY

GIS is providing Solutions in Fire and Security Products



Work Report

S.R Ref :	<i>Testing & Commissioning</i>	Dated : 31-12-2021
Your Ref:		
Client Name:	<i>SME</i>	
Project Name:	<i>Standard Chartered Head Office</i>	
System:	<i>VM - 3240 VA</i>	
Area:	<i>3rd Floor</i>	
Location:	<i>Karachi</i>	

Worked Performed	System Condition	YES	NO	N/A
Site Survey	System Is Working Ok	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installation	System In Problem need replacement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Commissioning	Battery Problems Need Replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trouble Shooting	Loop/Zones is in Working	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Repairing	Sounder's are in working	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relocation	Amplifier is in working	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance	Speakers are in working	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conduiting	NVR/DVR is in Working	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wiring	Cameras are in working	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Termination	Wiring Problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	System Handed Over to Customer in Running Condition			

Date 31-12

Start Time

Finish Time

Vendor Engineer's Remarks

The Installation , Testing & Commissioning of VM - 3240VA and CD Player has been completed. All 200M microphone and All Speakers are working properly. System is now working condition.

NAME: M. Ahsan / Mrs

Signature:

Date:

31/12/2021

Client Engineer's Remarks

System has been	Installed	<input type="checkbox"/>	Tested	<input type="checkbox"/>	Commissioned	<input type="checkbox"/>	Trouble Shoot	<input type="checkbox"/>
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NAME: Shanzee Touqeer

Signature:

Date:

31-12-21



Earth Test Report

Project Team	Project Manager Electrical Consultant Contractor	ASPL Eleken Associates TOTAL Construction (SME Engineering)	<input type="checkbox"/> Civil & ID
			<input checked="" type="checkbox"/> Electrical
			<input type="checkbox"/> Others

ECP # 1 Server Room

No. of Pits : 1 No

Description	Resistance
Grounding Result	0.31 Ohm

ECP # 2 Panel Room

No. of Pits : 1 No

Description	Resistance
Grounding Result	0.65 Ohms

This to certify that information provided above is true and correct to the best of Approval



Signature of Contractor

Muhammad Nadir

Name

Site Supervisor

Designation

Witness by Client's Engineer			
	Name	Date	Signature
Approved by Electrical Consultant			
	Name	Date	Signature



Testing & Commissioning Report Fire Alarm System 3rd Floor

Project Team	Project Manager	ASPL	<input type="checkbox"/> Civil & ID
	Architect	H3	<input checked="" type="checkbox"/> Electrical
	Electrical Consultant	Eleken Associates	
	Contractor	TOTAL Construction (SM Engineering)	<input type="checkbox"/> Mechanical / Plumbing

WORK PERFORMED		SYSTEM CONDITION	
WIRING	<input type="checkbox"/>		
INSTALLATION	<input type="checkbox"/>	SYSTEM IS WORKING OK	<input type="checkbox"/> YES <input type="checkbox"/> No.
CALIBRATION	<input type="checkbox"/>	ZONE IN ALARM	<input type="checkbox"/> YES <input type="checkbox"/> No.
COMMISSIONING	<input type="checkbox"/>	SYSTEM HANDED OVER	<input type="checkbox"/> YES <input type="checkbox"/> No.
TROUBLE SHOOT	<input type="checkbox"/>	RUNNING CONDITION	<input type="checkbox"/> YES <input type="checkbox"/> No.
LOOP IN TROUBLEM	<input type="checkbox"/> YES <input type="checkbox"/> No.		

As Per Contract wiring loop of 3rd floor has been connected with the Existing System.

TESTED

COMMISSIONED

TROUBLE SHOOT & IS FOUND TO BE O.K.



Signature of Contractor

Muhammad Nadir
Name

Site Supervisor
Designation

Witness by Project Manager			
	Name	Date	Signature
Approved by Electrical Consultant			
	Name	Date	Signature

CABLE INSULATION TEST REPORT MDB



Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	MCCB	MDB	MDB-UPS	4C-70sq.mm	1200 M.Ohms	1150 M.Ohms	1400 M.Ohms	330 M.Ohms	830 M.Ohms	203 M.Ohms	289 M.Ohms	354 M.Ohms	1563 M.Ohms	
2	MCCB	MDB	LPDB-3F-A	4C-6sq.mm	756 M.Ohms	1246 M.Ohms	560 M.Ohms	470 M.Ohms	630 M.Ohms	335 M.Ohms	226 M.Ohms	418 M.Ohms	568 M.Ohms	1492 M.Ohms
3	MCCB	MDB	LPDB-3F-B	4C-6sq.mm	346 M.Ohms	289 M.Ohms	589 M.Ohms	702 M.Ohms	356 M.Ohms	785 M.Ohms	575 M.Ohms	386 M.Ohms	119 M.Ohms	1246 M.Ohms
4	MCCB	MDB		Spare										
5	MCCB	MDB		Spare										
6	MCCB	MDB		Spare										
7	MCCB	MDB	LV ROOM	4C-70sq.mm	297 M.Ohms	371 M.Ohms	190 M.Ohms	586 M.Ohms	438 M.Ohms	318 M.Ohms	379 M.Ohms	597 M.Ohms	440 M.Ohms	415 M.Ohms
8	MCCB	MDB	LV ROOM	4C-70sq.mm	761 M.Ohms	567 M.Ohms	279 M.Ohms	572 M.Ohms	619 M.Ohms	205 M.Ohms	379 M.Ohms	430 M.Ohms	552 M.Ohms	337 M. Ohms
9	MCCB	MDB	BUS COUPLER	Spare										

Witness by Client Engineer

Contractor Signature



Approved by Consultant

CABLE INSULATION TEST REPORT (MDB-UPS)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
Part-01													
1	MDB UPS	MDB Power UPS ROOM	4C-70sq.mm	761 M.Ohms	567 M.Ohms	279 M.Ohms	619 M.Ohms	205 M.Ohms	379 M.Ohms	430 M.Ohms	552 M.Ohms	552 M.Ohms	387 M.Ohms
2	MDB UPS	To Changeover-01											
3	MDB UPS	To Changeover-02											
4	MDB UPS	For Ups 40.KVA -01	4C-16sq.mm	1005 M.Ohms	805 M.Ohms	467 M.Ohms	559 M.Ohms	670 M.Ohms	232 M.Ohms	358 M.Ohms	491 M.Ohms	491 M.Ohms	495 M.Ohms
5	MDB UPS	For Ups 40.KVA -02	4C-16sq.mm	730 M.Ohms	509 M.Ohms	290 M.Ohms	730 M.Ohms	1130 M.Ohms	975 M.Ohms	485 M.Ohms	630 M.Ohms	515 M.Ohms	559 M.Ohms
Part-02													
6	MDB UPS	To DB Server											
7	MDB UPS	From Changeover-01											
8	MDB UPS	Bus Coupler											
9	MDB UPS	From Changeover-02											
10	MDB UPS	From LPDB-4F A	4C-6sq.mm	649 M.Ohms	738 M.Ohms	1430 M.Ohms	840 M.Ohms	237 M.Ohms	563 M.Ohms	942 M.Ohms	731 M.Ohms	213 M.Ohms	476 M.Ohms
11	MDB UPS	From LPDB-4F B	4C-6sq.mm	346 M.Ohms	289 M.Ohms	589 M.Ohms	702 M.Ohms	856 M.Ohms	785 M.Ohms	575 M.Ohms	386 M.Ohms	119 M.Ohms	1246 M.Ohms
12	MDB UPS	From LPDB-3F A	4C-6sq.mm	649 M.Ohms	738 M.Ohms	1430 M.Ohms	840 M.Ohms	237 M.Ohms	563 M.Ohms	942 M.Ohms	731 M.Ohms	213 M.Ohms	476 M.Ohms
13	MDB UPS	From LPDB-3F B	4C-6sq.mm	458 M.Ohms	1286 M.Ohms	950 M.Ohms	582 M.Ohms	737 M.Ohms	648 M.Ohms	113 M.Ohms	116 M.Ohms	459 M.Ohms	235 M.Ohms
14	MDB UPS	From LPDB-2F A	4C-6sq.mm	581 M.Ohms	289 M.Ohms	458 M.Ohms	738 M.Ohms	492 M.Ohms	319 M.Ohms	540 M.Ohms	631 M.Ohms	263 M.Ohms	1150 M.Ohms
15	MDB UPS	From LPDB-2F B	4C-6sq.mm	279 G.Ohms	541 G.Ohms	355 G.Ohms	459 G.Ohms	1.14 G.Ohms	1.14 G.Ohms	2.93 G.Ohms	6.02 G.Ohms	4.29 G.Ohms	
16	MDB UPS	From LPDB-1F A	4C-6sq.mm	430 M.Ohms	336 M.Ohms	439 M.Ohms	243 M.Ohms	169 M.Ohms	145 M.Ohms	262 M.Ohms	419 M.Ohms	440 M.Ohms	169 M.Ohms
17	MDB UPS	From LPDB-1F B	4C-6sq.mm	279 M.Ohms	162 M.Ohms	401 M.Ohms	118 M.Ohms	495 M.Ohms	168 M.Ohms	835 M.Ohms	369 M.Ohms	243 M.Ohms	121 M.Ohms
18	MDB UPS	Spare											
19	MDB UPS	Spare											

Contractor Signature

Witness by Client Engineer



Approved by Consultant



CABLE INSULATION TEST REPORT (KNX LPDB-3F A)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	B1	KNX LPDB-3F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	495 M.ohms	-	-	230 M.ohms	-	495 M.ohms
2	B2	KNX LPDB-3F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	703 M.ohms	-	-	716 M.ohms	672 M.Ohms
3	B3	KNX LPDB-4F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	-	162 M.Ohms	401 M.Ohms	515 M.Ohms
4	B4	KNX LPDB-4F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	-	472 M.Ohms	275 M.Ohms	336 M.Ohms
5	B5	KNX LPDB-4F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	-	570 M.Ohms	220 M.Ohms	475 M.Ohms
6	B6	KNX LPDB-4F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	-	430 M.Ohms	336 M.Ohms	318 M.Ohms
7	B7	KNX LPDB-4F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	-	536 M.Ohms	280 M.Ohms	369 M.Ohms
8	B8	KNX LPDB-4F A	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	672 M.Ohms	-	619 M.Ohms	-	672 M.Ohms
9	B9	KNX LPDB-4F A	3 rd Floor (Group Lighting)	Spare										

Witness by Client Engineer

Approved by Consultant



Contractor Signature

CABLE INSULATION TEST REPORT (KNX LPDB-3F B)



Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	B1	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	495 M.ohms	-	-	230 M.ohms	-	495 M.ohms
2	B2	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	703 M.ohms	-	-	716 M.ohms	672 M.ohms
3	B3	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	162 M.ohms	401 M.ohms	515 M.ohms	
4	B4	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	472 M.ohms	275 M.ohms	336 M.ohms	
5	B5	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	570 M.ohms	220 M.ohms	475 M.ohms	
6	B6	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	430 M.ohms	336 M.ohms	318 M.ohms	
7	B7	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	-	-	536 M.ohms	280 M.ohms	369 M.ohms	
8	B8	KNX LPDB-3F B	3 rd Floor (Group Lighting)	3x1C-2.5sq.mm	-	-	-	-	672 M.ohms	-	-	619 M.ohms	-	672 M.ohms
9	B9	KNX LPDB-3F B	3 rd Floor (Group Lighting)	Spare										

Witness by Client Engineer

Approved by Consultant

Contractor Signature



CABLE INSULATION TEST REPORT (LPDB-3F-A-POWER)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S#	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E	
1	R1	LPDB-3F-A-POWER	Hand Dryer	3C-4sq.mm	-	-	-	-	-	-	-	-	-	281M.Ohms	
2	Y1	LPDB-3F-A-POWER	Room-01	3x1C-2.5sqmm	-	-	-	591 M.Ohms	472 M.Ohms	-	-	-	-	374 M.Ohms	
3	B1	LPDB-3F-A-POWER	Spare												
4	R2	LPDB-3F-A-POWER	Spare												
5	Y2	LPDB-3F-A-POWER	Table-08	3C-4sq.mm	-	-	-	-	421 M. Ohms	-	-	580 M. Ohms	-	235 M. Ohms	
6	B2	LPDB-3F-A-POWER	Table-05	3C-4sq.mm	-	-	-	687 M.ohms	-	-	175 M.ohms	-	-	495 M.ohms	
7	R3	LPDB-3F-A-POWER	Washroom Exhaust Fan	3x1C-2.5sq.mm	-	-	-	866 M.Ohms	570 M.Ohms	-	-	-	-	384 M.Ohms	
8	Y3	LPDB-3F-A-POWER	Table-01	3C-4sq.mm	-	-	-	189 M. Ohms	-	-	185.8 M. Ohms	-	-	387 M. Ohms	
9	B3	LPDB-3F-A-POWER	Spare												
10	R4	LPDB-3F-A-POWER	Table-06	3C-4sq.mm	-	-	-	484 M.Ohms	-	-	639 M. Ohms	-	-	835 M. Ohms	
11	Y4	LPDB-3F-A-POWER	F.C.U-04	3x1C-2.5sq.mm	-	-	-	591 M.Ohms	472 M.Ohms	-	-	-	-	374 M.Ohms	
12	B4	LPDB-3F-A-POWER	Table-07	3C-4sq.mm	-	-	-	353 M. Ohms	-	-	280 M. Ohms	-	-	121 M. Ohms	
13	R5	LPDB-3F-A-POWER	F.C.U-02	3x1C-2.5sq.mm	-	-	-	-	-	281M.Ohms	375 M.Ohms	-	-	503 M.Ohms	
14	Y5	LPDB-3F-A-POWER	Room-02	3C-4sq.mm	-	-	-	390 M. Ohms	-	-	499 M. Ohms	-	-	430 M.Ohms	
15	B5	LPDB-3F-A-POWER	Table-12	3C-4sq.mm	-	-	-	-	1440 M.Ohms	-	-	486 M.Ohms	-	-	565 M.Ohms
16	R6	LPDB-3F-A-POWER	F.C.U-02	3x1C-2.5sq.mm	-	-	-	-	-	-	536 M.Ohms	280 M.Ohms	-	369 M.Ohms	
17	Y6	LPDB-3F-A-POWER	WashRoom Geyser	3C-4sq.mm	-	-	-	-	431 M. Ohms	-	-	436 M. Ohms	-	-	499 M. Ohms



CABLE INSULATION TEST REPORT (LPDB-3F-A-POWER)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S.#	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
18	B6	LPDB-3F-A-POWER	F.C.U-03	3x1C-2.5sq.mm	-	-	-	-	-	-	162 M.Ohms	401 M.Ohms	515 M.Ohms	
19	R7	LPDB-3F-A-POWER	Room-01	3C-4sq.mm	-	-	-	-	-	-	-	-	121 M. Ohms	
20	Y7	LPDB-3F-A-POWER	F.C.U-06	3x1C-2.5sq.mm	-	-	-	-	-	-	619 M.Ohms	-	672 M.Ohms	
21	B7	LPDB-3F-A-POWER	Table-11	3C-4sq.mm	-	-	-	-	-	-	295 M. Ohms	-	262 M. Ohms	
22	R8	LPDB-3F-A-POWER	Meeting Room	3x1C-2.5sq.mm	-	-	-	-	-	-	570 M.Ohms	220 M.Ohms	475 M.Ohms	
23	Y8	LPDB-3F-A-POWER	F.C.U -07	3x1C-2.5sq.mm	-	-	-	-	-	-	472 M.Ohms	275 M.Ohms	336 M.Ohms	
24	B8	LPDB-3F-A-POWER	Meeting Room	3C-4sq.mm	-	-	-	-	-	-	164 M. Ohms	-	280 M. Ohms	
25	R9	LPDB-3F-A-POWER		Spare										
26	Y9	LPDB-3F-A-POWER		Spare										
27	B9	LPDB-3F-A-POWER		Spare							639 M. Ohms	-	835 M. Ohms	
28	R10	LPDB-3F-A-POWER	Table-02	3C-4sq.mm	-	-	-	-	-	-	482 M. Ohms	-	387 M. Ohms	
29	Y10	LPDB-3F-A-POWER		Spare							367 M. Ohms	-	185.8 M. Ohms	
30	R11	LPDB-3F-A-POWER	Table-09	3C-4sq.mm	-	-	-	-	-	-	189 M. Ohms	-	162 M. Ohms	
31	Y11	LPDB-3F-A-POWER		Spare							401 M.Ohms	-	515 M.Ohms	
32	R12	LPDB-3F-A-POWER	Table-04	3C-4sq.mm	-	-	-	-	-	-	-	-		
33	Y12	LPDB-3F-A-POWER		Spare										
34	R13	LPDB-3F-A-POWER	F.C.U-05	3x1C-2.5sq.mm	-	-	-	-	-	-				
35	Y13	LPDB-3F-A-POWER		Spare										
36	R14	LPDB-3F-A-POWER		Spare										
37	Y14	LPDB-3F-A-POWER		Spare										



CABLE INSULATION TEST REPORT (LPDB-3F-A-POWER)



Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S#	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
38	R15	LPDB-3F-A-POWER		Spare										
39	Y15	LPDB-3F-A-POWER	Hand Dryer	3C-4sq.mm	-	-	-	-	-	421 M. Ohms	-	-	580 M. Ohms	-
40	R16	LPDB-3F-A-POWER		Spare										
41	Y16	LPDB-3F-A-POWER	Bath room	3x1C2.5sq.mm	-	-	-	-	-	703 M.Ohms	-	-	716 M.Ohms	672 M.Ohms
42	Y17	LPDB-3F-A-POWER	Table-10	3C-4sq.mm	-	-	-	-	-	421 M. Ohms	-	-	580 M. Ohms	-
43	Y18	LPDB-3F-A-POWER		Spare										

Contractor Signature



Witness by Client Engineer

Approved by Consultant

CABLE INSULATION TEST REPORT (LPDB-3F-B-POWER)

Instrument: **500 V / 1000 V Megger**

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	R1	LPDB-3F-B-POWER	F.C.U -02	3x1C-2.5sq.mm	-	-	-	866 M.Ohms	570 M.Ohms	-	-	-	-	384 M.Ohms
2	Y1	LPDB-3F-B-POWER		Spare										
3	R2	LPDB-3F-B-POWER	F.C.U -03	3x1C-2.5sq.mm	-	-	-	5.78 G. Ohms	-	-	1.31 G. Ohms	-	-	7.47 G. Ohms
4	Y2	LPDB-3F-B-POWER	Hand Dryer	3C-4sq.mm	-	-	-	9.54 G. Ohms	-	-	7.52 G. Ohms	-	-	3.59 G. Ohms
5	R3	LPDB-3F-B-POWER	F.C.U -04	3x1C-2.5sq.mm	-	-	-	1.14 G. Ohms	-	-	3.65 G. Ohms	-	-	3.18 G. Ohms
6	Y3	LPDB-3F-B-POWER	Cafeteria-01	3C-4sq.mm	-	-	-	3.05 G. Ohms	-	-	1.85 G. Ohms	-	-	7.89 G. Ohms
7	R4	LPDB-3F-B-POWER	F.C.U -05	3x1C-2.5sq.mm	-	-	-	3.62 G. Ohms	-	-	2.74 G. Ohms	-	-	7.47 G. Ohms
8	Y4	LPDB-3F-B-POWER	Table - 01	3C-4sq.mm										
9	R5	LPDB-3F-B-POWER		Spare										
10	Y5	LPDB-3F-B-POWER	Table - 05	3C-4sq.mm	-	-	-	7.48 G. Ohms	-	-	3.39 G. Ohms	-	-	6.59 G. Ohms
11	R6	LPDB-3F-B-POWER		Spare										
12	Y6	LPDB-3F-B-POWER	Table - 02	3C-4sq.mm	-	-	-	2.42 G. Ohms	-	-	4.91 G. Ohms	-	-	2.96 G. Ohms
13	R7	LPDB-3F-B-POWER		Spare										
14	Y7	LPDB-3F-B-POWER	Cafeteria-02	3C-4sq.mm	-	-	-	5.44 G. Ohms	-	-	5.70 G. Ohms	-	-	3.10 G. Ohms
15	R8	LPDB-3F-B-POWER		Spare										
16	Y8	LPDB-3F-B-POWER		Spare										
17	Y9	LPDB-3F-B-POWER		Spare										



CABLE INSULATION TEST REPORT (LPDB-3F-B-POWER)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
18	B9	LPDB-3F-B-POWER		Spare										
19	R10	LPDB-3F-B-POWER		Spare										
20	Y10	LPDB-3F-B-POWER		Spare										
21	R11	LPDB-3F-B-POWER	Port Power	3C-4sq.mm	-	-	-	4.87 G. Ohms	-	-	2.56 G. Ohms	-	-	6.90 G. Ohms
22	Y11	LPDB-3F-B-POWER	Cafeteria	3x1C-2.5sq.mm	-	-	-	3.78 G. Ohms	-	-	7.06 G. Ohms	-	-	2.16 G. Ohms
23	R12	LPDB-3F-B-POWER	Table-03	3C-4sq.mm	-	-	-	4.87 G. Ohms	-	-	2.56 G. Ohms	-	-	7.91 G. Ohms
24	Y12	LPDB-3F-B-POWER	Meeting Room-01	3x1C-2.5sq.mm	-	-	-	3.65 G. Ohms	-	-	4.39 G. Ohms	-	-	2.23 G. Ohms
25	R13	LPDB-3F-B-POWER	F.C.U - 01	3x1C-2.5sq.mm	-	-	-	4.59 G. Ohms	-	-	4.21 G. Ohms	-	-	6.61 M. Ohms
26	Y13	LPDB-3F-B-POWER	Spare											
27	R14	LPDB-3F-B-POWER	Pantry	3C-4sq.mm	-	-	-	2.65 G. Ohms	-	-	6.11 G. Ohms	-	-	4.91 G. Ohms
28	Y14	LPDB-3F-B-POWER	Data Room	3x1C-2.5sq.mm	-	-	-	2.16 G. Ohms	-	-	2.74 G. Ohms	-	-	4.21 G. Ohms
29	R15	LPDB-3F-B-POWER	Pantry	3C-4sq.mm	-	-	-	9.78 G. Ohms	-	-	0.35 G. Ohms	-	-	5.12 G. Ohms
30	Y15	LPDB-3F-B-POWER	Spare											
31	R16	LPDB-3F-B-POWER	Meeting Room-01	3x1C-2.5sq.mm	-	-	-	1.69 G. Ohms	-	-	1.69 G. Ohms	-	-	0.47 G. Ohms
32	Y16	LPDB-3F-B-POWER	A/C Data Room-01	3x1C-2.5sq.mm	-	-	-	4.21 G. Ohms	-	-	4.21 G. Ohms	-	-	1.69 G. Ohms
33	R17	LPDB-3F-B-POWER	Spare											
34	Y17	LPDB-3F-B-POWER	A/C UPS Room-02	3x1C-2.5sq.mm	-	-	-	5.51 G. Ohms	-	-	2.16 G. Ohms	-	-	2.65 G. Ohms
35	Y18	LPDB-3F-B-POWER	A/C Data Room-03	3x1C-2.5sq.mm	-	-	-	4.62 G. Ohms	-	-	6.70 G. Ohms	-	-	4.37 G. Ohms



Contractor Signature

Witness by Client Engineer

CABLE INSULATION TEST REPORT (LPDB-3F-A-UPS)



\$00 V / 1000 V Megger

Date: 27/04/2022

Instrument:

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	R1	LPDB-3F-A-UPS	Emergency	3x1C-2.5sq.mm	-	-	-	279 M.Ohms	162 M.Ohms	-	-	-	-	502 M.Ohms
2	Y1	LPDB-3F-A-UPS	Table-07	3C-4sq.mm	-	-	-	-	421 M. Ohms	-	-	580 M. Ohms	-	225 M. Ohms
3	B1	LPDB-3F-A-UPS	Table-04	3C-4sq.mm	-	-	-	-	189 M. Ohms	-	-	185.8 M. Ohms	-	387 M. Ohms
4	R2	LPDB-3F-A-UPS	Exit Light	3x1C-2.5sq.mm	-	-	-	591 M.Ohms	472 M.Ohms	-	-	-	-	374 M.Ohms
5	Y2	LPDB-3F-A-UPS	Table-08	3C-4sq.mm	-	-	-	-	484 M.Ohms	-	-	639 M. Ohms	-	335 M. Ohms
6	B2	LPDB-3F-A-UPS	Table-07	3C-4sq.mm	-	-	-	367 M. Ohms	-	-	482 M. Ohms	-	387 M. Ohms	
7	R3	LPDB-3F-A-UPS	Emergency	3x1C-2.5sq.mm	-	-	-	866 M.Ohms	570 M.Ohms	-	-	-	-	384 M.Ohms
8	Y3	LPDB-3F-A-UPS	Spare	3C-4sq.mm	-	-	-	-	-	-	-	-	-	-
9	B3	LPDB-3F-A-UPS	Table-03	3C-4sq.mm	-	-	-	168 M. Ohms	-	-	164 M. Ohms	-	280 M. Ohms	
10	R4	LPDB-3F-A-UPS	Spare	3C-4sq.mm	-	-	-	-	-	-	-	-	-	-
11	Y4	LPDB-3F-A-UPS	Table-03	3C-4sq.mm	-	-	-	-	628 M. Ohms	-	-	295 M. Ohms	-	262 M. Ohms
12	B4	LPDB-3F-A-UPS	Table-01	3C-4sq.mm	-	-	-	-	431 M. Ohms	-	-	436 M. Ohms	-	499 M. Ohms
13	R5	LPDB-3F-A-UPS	Spare	3C-4sq.mm	-	-	-	-	-	-	-	-	-	-
14	Y5	LPDB-3F-A-UPS	Spare	3C-4sq.mm	-	-	-	-	-	-	-	-	-	-
15	B5	LPDB-3F-A-UPS	Table-10	3C-4sq.mm	-	-	-	353 M. Ohms	-	-	280 M. Ohms	-	-	121 M. Ohms



CABLE INSULATION TEST REPORT (LPDB-3F-A-UPS)



Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
16	R6	LPDB-3F-A-UPS	Table-12	3C-4sq.mm	-	-	-	-	1440 M.Ohms	-	486 M.Ohms	-	565 M.Ohms	
17	Y6	LPDB-3F-A-UPS	Table-11	3C-4sq.mm	-	-	-	-	375 M.Ohms	-	670 M.Ohms	-	232 M.Ohms	
18	B6	LPDB-3F-A-UPS	Table-02	3C-4sq.mm	-	-	-	-	281M.Ohms	-	653 M.Ohms	-	281M.Ohms	
19	Y7	LPDB-3F-A-UPS	Photocopy Area	3C-4sq.mm	-	-	-	-	421 M. Ohms	-	580 M. Ohms	-	235 M. Ohms	
20	B7	LPDB-3F-A-UPS	Spare											
21	Y8	LPDB-3F-A-UPS	Room-01	3x1C-2.5sq.mm	-	-	-	-	156 M.Ohms	192 M.Ohms	-	-	263 M.Ohms	
22	B8	LPDB-3F-A-UPS	Table-05	3C-4sq.mm	-	-	-	-	189 M. Ohms	-	185.8 M. Ohms	-	387 M. Ohms	
23	Y9	LPDB-3F-A-UPS	Meeting Room	3x1C-2.5sq.mm	-	-	-	-	550 M.Ohms	339 M.Ohms	-	-	489 M.Ohms	
24	B9	LPDB-3F-A-UPS	Table-06	3C-4sq.mm	-	-	-	-	484 M.Ohms	-	639 M. Ohms	-	335 M. Ohms	



Contractor Signature

Witness by Client Engineer

Approved by Consultant



CABLE INSULATION TEST REPORT (LPDB-3F-B-UPS)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Cr# /	From	T ₀	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	R1	LPDB-3F-B-UPS	Emergency	3x1C-2.5sq.mm	-	-	-	3.65 G Ohms	-	-	2.06 G. Ohms	-	-	1.85 G. Ohms
2	Y1	LPDB-3F-B-UPS	Pantry	3C-4sq.mm	-	-	-	6.27 G. Ohms	-	-	6.70 G. Ohms	-	-	7.30 G. Ohms
3	B1	LPDB-3F-B-UPS	Table-Q1	3x1C-2.5sq.mm	-	-	-	3.96 G. Ohms	-	-	2.56 G. Ohms	-	-	7.91 G. Ohms
4	R2	LPDB-3F-B-UPS	Meeting Room- 2	3x1C-2.5sq.mm	-	-	-	2.31 G. Ohms	-	-	4.76 G. Ohms	-	-	3.33 G. Ohms
5	Y2	LPDB-3F-B-UPS	Table-Q2	3C-4sq.mm	-	-	-	5.62 G. Ohms	-	-	3.85 G. Ohms	-	-	2.69 G. Ohms
6	B2	LPDB-3F-B-UPS	Table-Q5	3C-4sq.mm	-	-	-	9.56 G. Ohms	-	-	3.18 G. Ohms	-	-	4.58 G. Ohms
7	R3	LPDB-3F-B-UPS	Wash Room & Cafeteria	3C-2.5sq.mm	-	-	-	4.32 G. Ohms	-	-	5.02 G. Ohms	-	-	5.08 G. Ohms
8	Y3	LPDB-3F-B-UPS	Meeting Room-1	3C-4sq.mm	-	-	-	9.54 G. Ohms	-	-	7.52 G. Ohms	-	-	3.59 G. Ohms
9	B3	LPDB-3F-B-UPS	Table-Q4	3C-4sq.mm	-	-	-	3.05 G. Ohms	-	-	1.85 G. Ohms	-	-	7.89 G. Ohms
10	R4	LPDB-3F-B-UPS	-	Spare										
11	Y4	LPDB-3F-B-UPS	Table-Q3	3C-4sq.mm	-	-	-	7.48 G. Ohms	-	-	3.39 G. Ohms	-	-	6.59 G. Ohms
12	B4	LPDB-3F-B-UPS	Pantry	3C-4sq.mm	-	-	-	2.42 G. Ohms	-	-	4.91 G. Ohms	-	-	2.96 G. Ohms
13	R5	LPDB-3F-B-UPS	-	Spare										
14	Y5	LPDB-3F-B-UPS	-	Spare										
15	B5	LPDB-3F-B-UPS	-	Spare										
16	R6	LPDB-3F-B-UPS	-	Spare										
17	Y6	LPDB-3F-B-UPS	-	Spare										



CABLE INSULATION TEST REPORT (LPDB-3F-B-UPS)

Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Clkt #	From	To	Clkt Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
18	B6	LPDB-3F-B-UPS	-	Spare										
19	Y7	LPDB-3F-B-UPS	-	Spare										
20	B7	LPDB-3F-B-UPS	-	Spare										
21	Y8	LPDB-3F-B-UPS	-	Spare										
22	B8	LPDB-3F-B-UPS	-	Spare										
23	Y9	LPDB-3F-B-UPS	-	Spare										
24	B9	LPDB-3F-B-UPS	-	Spare										

Contractor Signature

Witness by Client Engineer



Approved by Consultant

CABLE INSULATION TEST REPORT (DB-SERVER ROOM)



Instrument: 500 V / 1000 V Megger

Date: 27/04/2022

S #	Ckt #	From	To	Cable Size	R-Y	Y-B	B-R	R-N	Y-N	B-N	R-E	Y-E	B-E	N-E
1	R1 (Power)	DB-SERVER ROOM	Come Rack -01 Power -01	3C-6sq.mm	192 M.Ohms	50 G.Ohms	44 G.Ohms	87.5 G.Ohms	203 M.Ohms	70 G.Ohms	90 G.Ohms	37 G.Ohms	45 G.Ohms	605 M.Ohms
2	R2 (Power)	DB-SERVER ROOM	Come Rack -01 Power -02	3C-6sq.mm	480 M.Ohms	336 M.Ohms	439 M.Ohms	243 M.Ohms	169 M.Ohms	145 M.Ohms	262 M.Ohms	419 M.Ohms	440 M.Ohms	169 M.Ohms
3	R3 (Power)	DB-SERVER ROOM	Come Rack -02 Power -01	3C-6sq.mm	279 M.Ohms	162 M.Ohms	401 M.Ohms	118 M.Ohms	495 M.Ohms	168 M.Ohms	835 M.Ohms	369 M.Ohms	243 M.Ohms	121 M.Ohms
4	Y1 (Power)	DB-SERVER ROOM	Come Rack -02 Power -02	3C-6sq.mm	630 M.Ohms	445 M.Ohms	528 M.Ohms	687 M.Ohms	495 M.Ohms	230 M.Ohms	175 M.Ohms	230 M.Ohms	390 M.Ohms	395 M.Ohms
5	Y2 (Power)	DB-SERVER ROOM	Server Rack -01 Power -01	3C-6sq.mm	337 M.Ohms	1760 M.Ohms	1130 M.Ohms	583 M.Ohms	672 M.Ohms	703 M.Ohms	258 M.Ohms	619 M.Ohms	716 M.Ohms	672 M.Ohms
6	Y3 (Power)	DB-SERVER ROOM	Server Rack -01 Power -02	3C-6sq.mm	618 M.Ohms	413 M.Ohms	503 M.Ohms	390 M.Ohms	430 M.Ohms	280 M.Ohms	499 M.Ohms	460 M.Ohms	168 M.Ohms	430 M.Ohms
7	B1 (Power)	DB-SERVER ROOM	Server Rack -02 Power -01	3C-6sq.mm	299 M.Ohms	445 M.Ohms	275 M.Ohms	612 M.Ohms	319 M.Ohms	121 M.Ohms	350 M.Ohms	509 M.Ohms	250 M.Ohms	319 M.Ohms
8	B2 (Power)	DB-SERVER ROOM	Server Rack -02 Power -02	3C-6sq.mm	336 M.Ohms	570 M.Ohms	449 M.Ohms	353 M.Ohms	121 M.Ohms	431 M.Ohms	280 M.Ohms	335 M.Ohms	173 M.Ohms	559 M.Ohms
9		DB-SERVER ROOM	Spare											

Witness by Client Engineer:



Contractor Signature

Approved by Consultant

CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : MDB
Cable Size : 4C - 70mm² PVC / PVC + 1 x 70mm² PVC as ECC
Incoming Breaker : 160A TP MCCB

S. No.	MCB/MCCB	Breaker	Detail	Ckt. Cable Size	Area
1.	MCCB	160A TP		4C-70sq.mm	To MDB-UPS
2.	MCCB	30A TP		4C-6sq.mm	To LPDB-3F A
3.	MCCB	30A TP		4C-6sq.mm	To LPDB-3F B
4.	MCCB	30A TP	-	Spare	-
5.	MCCB	30A TP	-	Spare	-
6.	MCCB	30A TP	-	Spare	-
7.	MCCB	160A TP		4C-70sq.mm	To LV.ROOM
8.	MCCB	160A TP		4C-70sq.mm	To LV.ROOM
9.	MCCB	100A TP	-	Spare	Bus Coupler



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : MDB UPS
Incoming Breaker : 160A TP MCCB
Incoming From : Supply from MDB

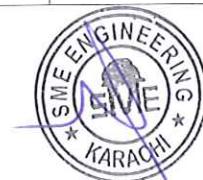
S. No.	MCB/MCCB	Breaker	Detail	Ckt. Cable Size	Area
	Part - 01				
1.	MCCB	160A TP		4C-70sq.mm	MDB Power UPS ROOM
2.	MCCB	100A TP			To Changeover-01
3.	MCCB	100A TP			To Changeover-02
4.	MCCB	100A TP		4C-16sq.mm	For Ups 40.KVA -01
5.	MCCB	100A TP		4C-16sq.mm	For Ups 40.KVA -02
	Part - 02				
6.	MCCB	60A TP			To DB Server
7.	MCCB-01	100A TP			From Changeover-01
8.	MCCB-02	100A TP			Bus Coupler
9.	MCCB-03	100A TP			From Changeover-02
10.	MCB	20A TP		4C-6sq.mm	From LPDB-4F A
11.	MCB	20A TP		4C-6sq.mm	From LPDB-4F B
12.	MCB	20A TP		4C-6sq.mm	From LPDB-3F A
13.	MCB	20A TP		4C-6sq.mm	From LPDB-3F B
14.	MCB	20A TP		4C-6sq.mm	From LPDB-2F A
15.	MCB	20A TP		4C-6sq.mm	From LPDB-2F B
16.	MCB	20A TP		4C-6sq.mm	From LPDB-1F A
17.	MCB	20A TP		4C-6sq.mm	From LPDB-1F B
18.	MCB	20A TP	-	Spare	-
19.	MCB	20A TP	-	Spare	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : KNX LPDB-3F A

S. No.	CKT	Breaker	Detail	Cable Size	Area
1.	B1 (CS1)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
2.	B2 (CS2)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
3.	B3 (CS3)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
4.	B4 (CS4)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
5.	B5 (CS5)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
6.	B6 (CS6)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
7.	B7 (CS7)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
8.	B8 (CS8)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
9.	B9 (CS9)	10A	Spare	-	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : KNX LPDB-3F B

S. No.	CKT	Breaker	Detail	Cable Size	Area
1.	B1 (CS1)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
2.	B2 (CS2)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
3.	B3 (CS3)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
4.	B4 (CS4)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
5.	B5 (CS5)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
6.	B6 (CS6)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
7.	B7 (CS7)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
8.	B8 (CS8)	10A	(Group Lighting)	3x1C-2.5sq.mm	3 rd Floor
9.	B9 (CS9)	10A	Spare	-	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-B Power
Incoming From : Main Supply from MDB
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC
Incoming Breaker : 30A TP MCCB

S.NO.	CKT	Breaker	Detail	Ckt. Cable Size	Area
1.	R1	16A	(Power)	3x1C-2.5sq.mm	F.C.U -02
2.	Y1	16A	Spare	-	-
3.	R2	16A	(Power)	3x1C-2.5sq.mm	F.C.U -03
4.	Y2	16A	(Power)	3C-4sq.mm	Hand Dryer
5.	R3	16A	(Power)	3x1C-2.5sq.mm	F.C.U -04
6.	Y3	16A	(Power)	3C-4sq.mm	Cafeteria-01
7.	R4	16A	(Power)	3x1C-2.5sq.mm	F.C.U -05
8.	Y4	16A	(Power)	3C-4sq.mm	Table - 01
9.	R5	16A	Spare	-	-
10.	Y5	16A	(Power)	3C-4sq.mm	Table - 05
11.	R6	16A	Spare	-	-
12.	Y6	16A	(Power)	3C-4sq.mm	Table - 02
13.	R7	16A	Spare	-	-
14.	Y7	16A	(Power)	3C-4sq.mm	Cafeteria-02
15.	R8	16A	Spare	-	-
16.	Y8	16A	Spare	-	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-B Power
Incoming From : Main Supply from MDB
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC
Incoming Breaker : 30A TP MCCB

S.NO.	CKT	Breaker	Detail	Ckt. Cable Size	Area
17.	Y9	16A	Spare	-	-
18.	B9	10A	Spare	-	-
19.	R10	16A	Spare	-	-
20.	Y10	10A	Spare	-	-
21.	R11	10A	(Power)	3C-4sq.mm	Port Power
22.	Y11	16A	(Lighting)	3x1C-2.5sq.mm	Cafeteria
23.	R12	10A	(Power)	3C-4sq.mm	Table-03
24.	Y12	16A	(Lighting)	3x1C-2.5sq.mm	Meeting Room-01
25.	R13	10A	(Power)	3x1C-2.5sq.mm	F.C.U - 01
26.	Y13	16A	Spare	-	-
27.	R14	10A	(Power)	3C-4sq.mm	Pantry
28.	Y14	16A	(Lighting)	3x1C-2.5sq.mm	Data Room
29.	R15	10A	(Power)	3C-4sq.mm	Pantry
30.	Y15	16A	Spare	-	-
31.	R16	10A	(Power)	3x1C-2.5sq.mm	Meeting Room-01
32.	Y16	16A	(Power)	3x1C-2.5sq.mm	A/C Data Room-01
33.	R17	10A	Spare	-	-
34.	Y17	16A	(Power)	3x1C-2.5sq.mm	A/C UPS Room-02
35.	Y18	16A	(Power)	3x1C-2.5sq.mm	A/C Data Room-03



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-A UPS
Incoming From : Main Supply from MDB UPS
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC
Incoming Breaker : 30A TP MCCB

S. No.	CKT	Breaker	Detail	Cable Size	Area
1.	R1	10A	(Lighting)	3x1C-2.5sq.mm	Emergency
2.	Y1	16A	(Power)	3C-4sq.mm	Table-07
3.	B1	16A	(Power)	3C-4sq.mm	Table-04
4.	R2	10A	(Power)	3x1C-2.5sq.mm	Exlt Light
5.	Y2	16A	(Power)	3C-4sq.mm	Table-08
6.	B2	16A	(Power)	3C-4sq.mm	Table-07
7.	R3	10A	(Lighting)	3C-2.5sq.mm	Emergency
8.	Y3	16A	Spare	-	-
9.	B3	16A	(Power)	3C-4sq.mm	Table-03
10.	R4	10A	Spare	-	-
11.	Y4	16A	(Power)	3C-4sq.mm	Table -03
12.	B4	16A	(Power)	3C-4sq.mm	Table-01
13.	R5	10A	Spare	-	-
14.	Y5	16A	Spare	-	-
15.	B5	16A	(Power)	3C-4sq.mm	Table-10
16.	R6	10A	(Power)	3C-4sq.mm	Table -12
17.	Y6	16A	(Power)	3C-4sq.mm	Table -11
18.	B6	16A	(Power)	3C-4sq.mm	Table-02
19.	Y7	16A	(Power)	3C-4sq.mm	Photo copy Area



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-A UPS
Incoming From : Main Supply from MDB UPS
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC

S. No.	CKT	Breaker	Detail	Cable Size	Area
20.	B7	16A	Spare	-	-
21.	Y8	16A	(Lighting)	3C-2.5sq.mm	Room-01
22.	B8	16A	(Power)	3C-4sq.mm	Table-05
23.	Y9	16A	(Lighting)	3C-2.5sq.mm	Meeting Room
24.	B9	16A	(Power)	3C-4sq.mm	Table-06



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-B UPS
Incoming From : Main Supply from MDB UPS
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC
Incoming Breaker : 30A TP MCCB

S. No.	CKT	Breaker	Detail	Cable Size	Area
1.	R1	10A	(Lighting)	3x1C-2.5sq.mm	Emergency
2.	Y1	16A	(Power)	3C-4sq.mm	Pantry
3.	B1	16A	(Power)	3x1C-2.5sq.mm	Table-01
4.	R2	10A	(Power)	3x1C-2.5sq.mm	Meeting Room- 2
5.	Y2	16A	(Power)	3C-4sq.mm	Table-02
6.	B2	16A	(Power)	3C-4sq.mm	Table-05
7.	R3	10A	(Lighting)	3C-2.5sq.mm	Wash Room & Cafeteria
8.	Y3	16A	(Power)	3C-4sq.mm	Meeting Room- 1
9.	B3	16A	(Power)	3C-4sq.mm	Table-04
10.	R4	10A	Spare	-	-
11.	Y4	16A	(Power)	3C-4sq.mm	Table -03
12.	B4	16A	(Lighting)	3C-4sq.mm	Pantry
13.	R5	10A	Spare	-	-
14.	Y5	16A	Spare	-	-
15.	B5	16A	Spare	-	-
16.	R6	10A	Spare	-	-
17.	Y6	16A	Spare	-	-
18.	B6	16A	Spare	-	-
19.	Y7	16A	Spare	-	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-B UPS
Incoming From : Main Supply from MDB UPS
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC

S. No.	CKT	Breaker	Detail	Cable Size	Area
20.	B7	16A	Spare	-	-
21.	Y8	16A	Spare	-	-
22.	B8	16A	Spare	-	-
23.	Y9	16A	Spare	-	-
24.	B9	16A	Spare	-	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : DB-Server Room
Cable Size : 4C - 16mm² PVC / PVC + 1 x 16mm² PVC as ECC
Incoming From : Supply from MDB UPS
Incoming Breaker : 75A TP Changeover

S. No.	MCB/MCCB	Breaker	CKT /Detail	Ckt. Cable Size	Area
1.	MCB	40A DP	R1 (Power)	3C-6sq.mm	Come Rack – 01 Power - 01
2.	MCB	40A DP	R2 (Power)	3C-6sq.mm	Come Rack – 01 Power - 02
3.	MCB	40A DP	R3 (Power)	3C-6sq.mm	Come Rack – 02 Power - 01
4.	MCB	40A DP	Y1 (Power)	3C-6sq.mm	Come Rack – 02 Power - 02
5.	MCB	40A DP	Y2 (Power)	3C-6sq.mm	Server Rack – 01 Power - 01
6.	MCB	40A DP	Y3 (Power)	3C-6sq.mm	Server Rack – 01 Power - 02
7.	MCB	40A DP	B1 (Power)	3C-6sq.mm	Server Rack – 02 Power - 01
8.	MCB	40A DP	B2 (Power)	3C-6sq.mm	Server Rack – 02 Power - 02
9.	MCB	40A DP	-	Spare	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-A Power
Incoming From : Main Supply from MDB
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC
Incoming Breaker : 30A TP MCCB

S.NO.	CKT	Breaker	Detail	Ckt. Cable Size	Area
24.	B8	10A	(Power)	3C-4sq.mm	Meeting Room
25.	R9	16A	Spare	-	-
26.	Y9	10A	Spare	-	-
27.	B9	10A	Spare	-	-
28.	R10	16A	(Power)	3C-4sq.mm	Table-02
29.	Y10	10A	Spare	-	-
30.	R11	10A	(Power)	3C-4sq.mm	Table-09
31.	Y11	10A	Spare	-	-
32.	R12	10A	(Power)	3C-4sq.mm	Table-04
33.	Y12	10A	Spare	-	-
34.	R13	10A	(Power)	3x1C-2.5sq.mm	F.C.U - 05
35.	Y13	10A	Spare	-	-
36.	R14	10A	Spare	-	-
37.	Y14	10A	Spare	-	-
38.	R15	10A	Spare	-	-
39.	Y15	10A	(Power)	3C-4sq.mm	Hand dryer
40.	R16	10A	Spare	-	-
41.	Y16	10A	(Lighting)	3x1C-2.5sq.mm	Bath Room
42.	Y17	10A	(Power)	3C-4sq.mm	Table-10
43.	Y18	10A	Spare	-	-



CIRCUIT LABELING SHEET

Project : Standard Chartered Bank 3rd Floor
Location : ii Chandigarh Road Karachi
DB Title : LPDB-A Power
Incoming From : Main Supply from MDB
Cable Size : 4C - 6mm² PVC / PVC + 1 x 6mm² PVC as ECC
Incoming Breaker : 30A TP MCCB

S.NO.	CKT	Breaker	Detail	Ckt. Cable Size	Area
1.	R1	16A	(Power)	3C-4sq.mm	Hand Dryer
2.	Y1	16A	(Lighting)	3x1C-2.5sq.mm	Room-01
3.	B1	16A	Spare	-	-
4.	R2	16A	Spare	-	-
5.	Y2	16A	(Power)	3x1C-4sq.mm	Table - 08
6.	B2	16A	(Power)	3x1C-4sq.mm	Table - 05
7.	R3	16A	(Power)	3x1C-2.5sq.mm	Washroom Exhaust Fan
8.	Y3	16A	(Power)	3x1C-4sq.mm	Table - 01
9.	B3	16A	Spare	-	-
10.	R4	16A	(Power)	3x1C-4sq.mm	Table - 06
11.	Y4	16A	(Power)	3x1C-2.5sq.mm	F.C.U - 04
12.	B4	16A	(Power)	3x1C-4sq.mm	Table - 07
13.	R5	16A	(Power)	3x1C-2.5sq.mm	F.C.U - 02
14.	Y5	16A	(Power)	3C-4sq.mm	Room-02
15.	B5	16A	(Power)	3x1C-4sq.mm	Table - 12
16.	R6	16A	(Power)	3x1C-2.5sq.mm	F.C.U - 02
17.	Y6	16A	(Power)	3C-4sq.mm	Wash Room Geyser
18.	B6	16A	(Power)	3x1C-2.5sq.mm	F.C.U - 03
19.	R7	16A	(Power)	3C-4sq.mm	Room-01
20.	Y7	16A	(Power)	3x1C-2.5sq.mm	F.C.U - 06
21.	B7	16A	(Power)	3x1C-4sq.mm	Table - 11
22.	R8	16A	(Lighting)	3x1C-2.5sq.mm	Meeting Room
23.	Y8	16A	(Power)	3x1C-2.5sq.mm	F.C.U - 07

