

FOR
M/S. INTER EMIRATES MOTORS

LOAD SCHEDULE

R0 : December 05, 2023
(DETAIL DESIGN SUBMISSION)

Prepared by
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Dubai, U. A. E

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING										DETAILS OF CONNECTED LOAD/MAX. DEMAND										AREA :		AL QUOZ FIRST, DUBAI	
PLANNED COMPLETION DATE : 2024										OWNER : M/S. INTER EMIRATES MOTORS										PLOT :		35410013	
SUMMARY										CONSULTANT : M/S. IAN BANHAM & ASSOCIATES													

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE	CABLE SIZE		ECC SIZE - 1C mm ²	MAXIMUM DEMAND kW	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB		SWA/PVC/SC	2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER																		
	OUTGOING																		
1	LV MDB - 1	4P	2500 <small>SET @ 0.85</small>			50		BY DEWA	2x1C 150	1200.01	624.80	611.60	603.90	1840.30			1	2400/5A CTM	
2	LV MDB - 2	4P	2500 <small>SET @ 0.85</small>			50		BY DEWA	2x1C 150	831.20	386.47	386.27	385.97	1158.70			1	2400/5A CTM	
						50													
						TOTAL CONNECTED LOAD PER PHASE				2031.21	1011.27	997.87	989.87	2999.00			2	TOTAL	
DEMAND FACTOR...0.68... MAX. DEMAND...2,031.21...kW TOTAL CONNECTED LOAD (3 PHASE)...2,999.00...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...2,999.00...kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777					FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) :						(1) UPTO 60A (1 PHASE)		(2) UPTO 125A (3 PHASE)		(3) LV CT/.....				HV CT/.....A					

REV.	DATE
0	December 05, 2023

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT :B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING							DETAILS OF CONNECTED LOAD/MAX. DEMAND							AREA		:	AL QUOZ FIRST, DUBAI											
PLANNED COMPLETION DATE : 2024							OWNER							:	M/S. INTER EMIRATES MOTORS							PLOT		:	35410013			
LV MDB REF : LV MDB -1							CONSULTANT							:	M/S. IAN BANHAM & ASSOCIATES							LOCATION		:	LV ROOM			
BASEMENT FLOOR																												
SR. NO	CIRCUIT FEEDER DB NO.	SP/ TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm²	CONNECTED LOAD - KW				KWH METER			REMARKS									
			ACB	MCCB	MCB			2/4x1C mm²	2/3/4C mm²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)										
1	INCOMER - 1	4P	2500 SET @ 0.85			50	BY DEWA			2x1C 150								1	2400/5A CTM									
2	INCOMER - 2	4P	2500 SET @ 0.85			50	BY GENERATOR SUPPLIER			PROVISION FOR MOBILE GENERATOR WITH ELECTRICAL AND MECHANICAL INTERLOCK																		
	OUTGOING (D.O.T)																											
1	MDB-E1	TP		800		50	FIRE PROOF		2x4C 300		2x1C 150	132.77	130.67	125.17	388.60	550 KVA GENERATOR												
2	FIRE PUMP	TP		320		50	FIRE PROOF		4C 185		1C 95	42.00	42.00	42.00	126.00				*									
3	SMDB-BN	TP		500		50	XLPE/SWA/PVC		2x4C 150		2x1C 70	76.90	74.30	73.70	224.90													
4	SMDB-GN1	TP		350		50	XLPE/SWA/PVC		4C 240		1C 120	55.33	54.63	53.83	163.80													
5	SMDB-GN2A	TP		630		50	XLPE/SWA/PVC		2x4C 185		2x1C 95	88.23	84.73	85.03	258.00													
6	SMDB-GN2B	TP		500		50	XLPE/SWA/PVC		2x4C 150		2x1C 70	78.00	78.00	78.00	234.00													
7	SMDB-GN2C	TP		630		50	XLPE/SWA/PVC		2x4C 185		2x1C 95	87.67	87.47	85.57	260.70													
8	SMDB-1N1	TP		400		50	XLPE/SWA/PVC		4C 300		1C 150	62.10	57.80	60.60	180.50													
9	DB-RMU	SP		40		50	XLPE/SWA/PVC		2C 10		1C 10	1.80			1.80				*									
9	DB-TR	SP		40		50	XLPE/SWA/PVC		2C 10		1C 10		2.00		2.00				*									
10	AHF PROVISION	TP		400		50			--		--								*									
11	CAPACITOR BANK	TP		1000		50	XLPE/SWA/PVC		3x4C 300		3X1C 150	350 kVAR CAPACITOR BANK"																
LV MDB -1			CONNECTED TO			TRANSFORMER #1 1500KVA			TOTAL CONNECTED LOAD PER PHASE				624.80	611.60	603.90	1840.30			1	TOTAL								
DEMAND FACTOR...0.70... MAX. DEMAND...1,200.01...kW TOTAL CONNECTED LOAD (3 PHASE)...1,840.30...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...1,714.30...kW																												
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777					FAX : 04 - 370 5888													
Type of Meter (Rating of Incomer) :				(1) UPTO 60A (1 PHASE)				(2) UPTO 125A (3 PHASE)				(3) LV CT/.....				HV CT/.....A												

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING										DETAILS OF CONNECTED LOAD/MAX. DEMAND										AREA :		AL QUOZ FIRST, DUBAI																	
PLANNED COMPLETION DATE : 2024										OWNER :										M/S. INTER EMIRATES MOTORS		PLOT :		35410013															
LV MDB REF : LV MDB -2										CONSULTANT :										M/S. IAN BANHAM & ASSOCIATES		LOCATION :		LV ROOM															
BASEMENT FLOOR																																							
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm²	CONNECTED LOAD - KW				KWH METER			REMARKS																				
			ACB	MCCB	MCB			2/4x1C mm²	2/3/4C mm²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)																					
1	INCOMER - 1	4P	2500 <small>SET @ 0.85</small>			50	BY DEWA			2x1C 150									1	2400/5A CTM																			
2	INCOMER - 2	4P	2500 <small>SET @ 0.85</small>			50	BY GENERATOR SUPPLIER			PROVISION FOR MOBILE GENERATOR WITH ELECTRICAL AND MECHANICAL INTERLOCK																													
OUTGOING (D.O.T)																																							
1	CHILLER-1	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00	DUTY CHILLER																							
2	CHILLER-2	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00	DUTY CHILLER +STAND BY CHILLER WITH E/M INTERLOCK																							
3	CHILLER-3	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00																								
3	MCC-CHW	TP		125		50	XLPE/SWA/PVC		4C 50		1C 25	18.50	18.50	18.50	55.50	STAND BY LOAD 17.5KW																							
4	SMDB-RN	TP		350		50	XLPE/SWA/PVC		4C 240		1C 120	57.97	57.77	57.47	173.20																								
13	AHF PROVISION	TP		400		50			--		--									*																			
14	CAPACITOR BANK	TP		1000		50	XLPE/SWA/PVC		3x4C 300		3X1C 150	350 KVAR CAPACITOR BANK"																											
LV MDB -2						CONNECTED TO TRANSFORMER #2																																	
						1500KVA				TOTAL CONNECTED LOAD PER PHASE																													
														386.47				386.27				385.97				1158.70								1				TOTAL	
DEMAND FACTOR...1.00... MAX. DEMAND...831.20...kW TOTAL CONNECTED LOAD (3 PHASE)...1,158.70...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...831.20...kW																																							
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777										FAX : 04 - 370 5888																			
Type of Meter (Rating of Incomer) :										(1) UPTO 60A (1 PHASE)										(2) UPTO 125A (3 PHASE)										(3) LV CT/..... HV CT/.....A									

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
MDB REF : MDB - E					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : LV ROOM BASEMENT FLOOR									

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS	
			ACB	MCCB	MCB		SWA/PVC/SC	2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)		
1	INCOMER - 1	4P		800 (N/A)		50	XLPE/SWA/PVC		2x4C 300		1C 300									
2	550 KVA GENERATOR	4P		800 (N/A)		50	FIRE PROOF		2x4C 300		1C 300									
OUTGOING																				
1	SMDB-BE1	TP		225		50	FIRE PROOF		4C 120		1C 70	36.47	35.37	35.47	107.30					
2	SMDB-BE2	TP		125		50	FIRE PROOF		4C 50		1C 25	18.37	17.87	18.07	54.30					
3	SMDB-BE3	TP		200		50	FIRE PROOF		4C 95		1C 50	29.47	30.77	27.87	88.10					
4	SMDB-GE1	TP		250		50	FIRE PROOF		4C 150		1C 70	42.07	40.27	37.57	119.90					
5	SMDB-RE	TP		40		50	FIRE PROOF		4C 10		1C 10	6.40	6.40	6.20	19.00					
MDB - E CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						132.77	130.67	125.17	388.60				TOTAL	
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....388.60...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																				
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777					FAX : 04 - 370 5888					
Type of Meter (Rating of Incomer) :										(1) UPTO 60A (1 PHASE)		(2) UPTO 125A (3 PHASE)		(3) LV CT/.....		HV CT/.....A				

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
MCCREF : MCC- CHW CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM																			
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER	TP		125 (N/A)		30	XLPE/SWA/PVC		4C 50		1C 25								
	OUTGOING																		
1	CHWP-1	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				*
2	CHWP-2	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				*
3	CHWP-3	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				STAND BY
4	PRESSURIZATION UNIT	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	1.00	1.00	1.00	3.00				*
MCC- CHW CONNECTED TO LV MDB-2						TOTAL CONNECTED LOAD PER PHASE						18.50	18.50	18.50	55.50				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...55.50...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...38.00...kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES											TEL : 04 - 370 5777				FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																		
SMDB REF : SMDB - BN						CONSULTANT : M/S. IAN BANHAM & ASSOCIATES						LOCATION : ELECT ROOM BASEMENT						

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER	TP		500 (N/A)		30	XLPE/SWA/PVC		2x4C 150		1C 150								
	OUTGOING																		
1	DB-BN1	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	3.70	3.00	2.40	9.10				*
2	DB-BN2	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.20	3.30	3.30	11.80				*
3	POLISHING BAY	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	12.00	12.00	12.00	36.00				*
4	POLISHING BAY	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	12.00	12.00	12.00	36.00				*
5	USED OIL PUMP	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	2.00	2.00	2.00	6.00				*
6	COMPRESSOR ROOM	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	11.00	11.00	11.00	33.00				*
7	CAR WASH	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	11.00	11.00	11.00	33.00				*
8	CAR WASH	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	11.00	11.00	11.00	33.00				*
9	SPARE	TP		63		30	--		--		--	9.00	9.00	9.00	27.00				
SMDB - BN CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						76.90	74.30	73.70	224.90				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....224.90...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES											TEL : 04 - 370 5777				FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDB REF : SMDB - BE1 (CONT'D)					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : ELECT ROOM									

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS	
			ACB	MCCB	MCB		SWA/PVC/SC	2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)		
	INCOMER	TP		225 (N/A)		35	FIRE PROOF		4C 120		1C 70									
	OUTGOING																			
13	SUMP PUMP	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	0.50	0.50	0.50	1.50				*	
SMDB - BE1 CONNECTED TO MDB-E						TOTAL CONNECTED LOAD PER PHASE						36.47	35.37	35.47	107.30				TOTAL	
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...107.30...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																				
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777					FAX : 04 - 370 5888					
Type of Meter (Rating of Incomer) :										(1) UPTO 60A (1 PHASE)		(2) UPTO 125A (3 PHASE)		(3) LV CT/.....		HV CT/.....A				

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDB REF : SMDB - BE2					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : ELECT ROOM BASEMENT									

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS					
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)						
	INCOMER	TP		125 (N/A)		30	FIRE PROOF		4C 50		1C 25													
	OUTGOING																							
1	DB-BE2	TP		40		30	FIRE PROOF		4C 10		1C 10	2.20	1.70	1.90	5.80				*					
2	WATER BOOSTER PUMP	TP		32		30	XLPE/SWA/PVC		4C 6		1C 6	3.33	3.33	3.33	10.00				*					
3	SUMP PUMP-3	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	0.50	0.50	0.50	1.50				*					
4	SUMP PUMP-1	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	0.50	0.50	0.50	1.50				*					
5	SUMP PUMP-4	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	0.50	0.50	0.50	1.50				*					
6	SEWAGE PUMP	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	0.67	0.67	0.67	2.00				*					
7	CPEF	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.33	5.33	5.33	16.00				*					
8	CPEF	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.33	5.33	5.33	16.00				*					
SMDB - BE2 CONNECTED TO MDB-E						TOTAL CONNECTED LOAD PER PHASE						18.37	17.87	18.07	54.30				TOTAL					
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....54.30...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																								
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777					FAX : 04 - 370 5888									
Type of Meter (Rating of Incomer) :										(1) UPTO 60A (1 PHASE)					(2) UPTO 125A (3 PHASE)					(3) LV CT/..... HV CT/.....A				

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																		
SMDB REF : SMDB - BE3						CONSULTANT : M/S. IAN BANHAM & ASSOCIATES						LOCATION : ELECT ROOM BASEMENT						

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER	TP		200 (N/A)		30	FIRE PROOF		4C 95		1C 50								
	OUTGOING																		
1	DB-UPS	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.60	6.80	4.80	17.20				40KVA UPS
2	DB-MTR	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	2.20	2.30	1.40	5.90				*
3	CBS PANEL	TP		20		30	FIRE PROOF		4C 4		1C 4	1.00	1.00	1.00	3.00				*
4	DX-2	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.67	5.67	5.67	17.00				*
5	CCU-1	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	7.50	7.50	7.50	22.50				UVR+TIMER+CONTACTOR
6	CCU-2	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	7.50	7.50	7.50	22.50				UVR+TIMER+CONTACTOR
SMDB - BE3 CONNECTED TO MDB-E						TOTAL CONNECTED LOAD PER PHASE						29.47	30.77	27.87	88.10				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....88.10...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES											TEL : 04 - 370 5777				FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																		
SMDB REF : SMDB - GN1					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : ELECT ROOM GROUND FLOOR								

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER	TP		350 (N/A)		30	XLPE/SWA/PVC		4C 240		1C 120								
	OUTGOING																		
1	DB-GN1	TP		100		30	XLPE/SWA/PVC		4C 35		1C 16	15.50	15.10	13.20	43.80				*
2	DB-MN1	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	8.30	10.20	11.30	29.80				*
3	SPARE	TP		100		30	--		--		--	15.00	15.00	15.00	45.00				
4	GARBAGE ROOM EQUIPMENT	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	1.00	1.00	1.00	3.00				*
5	EV CHARGING	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				*
6	QUICK SERVICE	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	6.00	6.00	6.00	18.00				*
7	QUICK SERVICE	SP		32		30	XLPE/SWA/PVC		2C 6		1C 6	2.20			2.20				*
SMDB - GN1 CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						55.33	54.63	53.83	163.80				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...163.80...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777				FAX : 04 - 370 5888					
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDBREF : SMDB-GE1 (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM																			
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB		SWA/PVC/SC	2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		250 (N/A)		35	FIRE PROOF		4C 150		1C 70								
	OUTGOING																		
11	WEPF	TP		32		35	FIRE PROOF		4C 6		1C 6	3.33	3.33	3.33	10.00				*
12	WEPF	TP		32		35	FIRE PROOF		4C 6		1C 6	3.33	3.33	3.33	10.00				*
SMDB-GE1 CONNECTED TO MDB-E						TOTAL CONNECTED LOAD PER PHASE						42.07	40.27	37.57	119.90				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....119.90...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES											TEL : 04 - 370 5777				FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND

SMDBREF : SMDB-GN2A

CONSULTANT : M/S. IAN BANHAM & ASSOCIATES

LOCATION : ELECT ROOM

SR. NO	CIRCUIT FEEDER DB NO.	SP/ TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm²	2/3/4C mm²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		630 (N/A)		35	XLPE/SWA/PVC		2x4C 185		2x1C 95								
	OUTGOING																		
1	DB-GN2	TP		80		35	XLPE/SWA/PVC		4C 25		1C 16	12.40	10.40	10.70	33.50				
2	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
3	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
4	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
5	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
6	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
7	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
8	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
9	EV CHARGER	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				
10	EV CHARGER	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				
11	EV CHARGER	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				
12	EV CHARGER	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				*

CONT'D...

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND

SMDBREF : SMDB-GN2B

CONSULTANT : M/S. IAN BANHAM & ASSOCIATES

LOCATION : ELECT ROOM

SR. NO	CIRCUIT FEEDER DB NO.	SP/ TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm²	2/3/4C mm²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		500 (N/A)		35	XLPE/SWA/PVC		2x4C 150		2x1C 70								
	OUTGOING																		
1	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
2	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
3	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
4	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
5	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
6	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
7	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
8	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
9	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
10	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
11	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
12	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				

CONT'D...

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDREF : SMDB-GN2B (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM																			
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		500 (N/A)		35	XLPE/SWA/PVC		2x4C 150		2x1C 70								
	OUTGOING																		
13	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
13	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*
13	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4			1.50	1.50				*
14	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
14	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*
14	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4			1.50	1.50				*
15	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
15	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*
15	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4			1.50	1.50				*
16	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
16	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*
SMDB-GN2B CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						78.00	78.00	78.00	234.00				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....234.00...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777				FAX : 04 - 370 5888					
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND

SMDBREF : SMDB-GN2C

CONSULTANT : M/S. IAN BANHAM & ASSOCIATES

LOCATION : ELECT ROOM

SR. NO	CIRCUIT FEEDER DB NO.	SP/ TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm²	2/3/4C mm²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		630 (N/A)		35	XLPE/SWA/PVC		2x4C 185		2x1C 95								
	OUTGOING																		
1	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
2	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
3	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
4	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
5	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
6	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
7	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				
8	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
8	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*
8	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4			1.50	1.50				*
9	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
9	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*

CONT'D...

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDREF : SMDB-GN2C (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM																			
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		630 (N/A)		35	XLPE/SWA/PVC		2x4C 185		2x1C 95								
	OUTGOING																		
9	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4			1.50	1.50				*
10	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4	1.50			1.50				*
10	QUICK SERVICE	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4		1.50		1.50				*
11	CAR WASH	TP		100		35	XLPE/SWA/PVC		4C 35		1C 16	15.33	15.33	15.33	46.00				*
12	CAR WASH	TP		100		35	XLPE/SWA/PVC		4C 35		1C 16	15.33	15.33	15.33	46.00				*
13	QUICK SERVICE	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				*
14	DB-MN2	TP		40		35	XLPE/SWA/PVC		4C 10		1C 10	3.60	3.50	3.40	10.50				*
15	DB-1N2	TP		40		35	XLPE/SWA/PVC		4C 10		1C 10	0.90	0.80	0.50	2.20				*
SMDB-GN2C CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						87.67	87.47	85.57	260.70				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....260.70...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777				FAX : 04 - 370 5888					
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																				
SMDB REF : SMDB - IN1					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : ELECT ROOM 1ST FLOOR										
SR. NO	CIRCUIT FEEDER DB NO.	SP/ TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS	
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)		
	INCOMER	TP		400 (N/A)		30	XLPE/SWA/PVC		4C 300		1C 150									
	OUTGOING																			
1	DB-1N1	TP		100		30	XLPE/SWA/PVC		4C 35		1C 16	17.60	13.30	16.60	47.50				*	
2	CAR LIFT	TP		125		30	XLPE/SWA/PVC		4C 50		1C 25	18.33	18.33	18.33	55.00				*	
3	CAR LIFT	TP		125		30	XLPE/SWA/PVC		4C 50		1C 25	18.33	18.33	18.33	55.00				*	
4	CAR LIFT CONTROL	SP		20		30	XLPE/SWA/PVC		2C 4		1C 4	0.50			0.50				*	
4	CAR LIFT CONTROL	SP		20		30	XLPE/SWA/PVC		2C 4		1C 4		0.50		0.50				*	
4	SPARE	SP		80		30	--		--		--									
5	EV CHARGER	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				*	
SMDB - IN1 CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						62.10	57.80	60.60	180.50				TOTAL	
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...180.50...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...kW																				
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES										TEL : 04 - 370 5777					FAX : 04 - 370 5888					
Type of Meter (Rating of Incomer) :										(1) UPTO 60A (1 PHASE)		(2) UPTO 125A (3 PHASE)		(3) LV CT/.....		HV CT/.....A				

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDBREF : SMDB-RN (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM																			
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB		SWA/PVC/SC	2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (4)	
	INCOMER	TP		350 (N/A)		35	XLPE/SWA/PVC		4C 240		1C 120								
	OUTGOING																		
13	SPARE	TP		20		35	--		--		--	1.00	1.00	1.00	3.00				
SMDB-RN CONNECTED TO LV MDB-2						TOTAL CONNECTED LOAD PER PHASE						57.97	57.77	57.47	173.20				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...173.20...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES											TEL : 04 - 370 5777				FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
SMDB REF : SMDB - RE CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM ROOF																			
SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER	TP		63 (N/A)		30	XLPE/SWA/PVC		4C 16		1C 16								
	OUTGOING																		
1	DB-RE	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	1.40	1.40	1.20	4.00				*
2	GSM EQUIPMENT	TP		32		30	XLPE/SWA/PVC		4C 6		1C 6	2.50	2.50	2.50	7.50				*
3	GSM EQUIPMENT	TP		32		30	XLPE/SWA/PVC		4C 6		1C 6	2.50	2.50	2.50	7.50				*
SMDB - RE CONNECTED TO MDB-E						TOTAL CONNECTED LOAD PER PHASE						6.40	6.40	6.20	19.00				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...19.00...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...kW																			
CONSULTANTS : M/S. IAN BANHAM AND ASSOCIATES											TEL : 04 - 370 5777				FAX : 04 - 370 5888				
Type of Meter (Rating of Incomer) : (1) UPTO 60A (1 PHASE) (2) UPTO 125A (3 PHASE) (3) LV CT/..... HV CT/.....A																			

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING