## **FOR**

## M/S. INTER EMIRATES MOTORS

## **LOAD SCHEDULE**

R0 : December 05, 2023 (DETAIL DESIGN SUBMISSION)

Prepared by

Ian Banham & Associates

P. O. Box: 23901

Dubai, U. A. E

KU.	IECT : <b>B+G+M+1 FLOOR</b>	CAR S	HOWRO	OW & O	FFICE E	BUILDING	5 DETAIL	LS OF CO	NNECTED	LOAD/MA)	K. DEMAN	ט			AREA		:	AL Q	JOZ FIRST, DUBA
LAN	NED COMPLETION DAT	E : 202	4				OWNER	:	M/S. INTE	R EMIRAT	ES MOTO	RS			PLOT		:	3541	0013
UMI	MARY						CONSULTAN	T :	M/S. IAN	BANHAM 8	& ASSOCI	ATES							
SR.	CIRCUIT	SP/	RAT	ING - AN	MPS	FAULT	PVC/XLPE	CABL	E SIZE		MAXIMUM	1		D LOAD -		KW	н ме	TER	REMARKS
10	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	SIZE - 1C				l		ı	3 Ph		
	DB NO.					KA		mm²	mm²	mm²	kW	kW	kW	kW	kW	(1)	(2)	(3)	
	INCOMER																		
	OUTGOING					-				-	-	-				-	-	-	
1	LV MDB - 1	4P	2500 SET @ 0.85			50	В	Y DEWA		2x1C 150	1200.01	624.80	611.60	603.90	1840.30			1	2400/5A CTM
2	LV MDB - 2	4P	2500 SET @ 0.85			50	В	Y DEWA		2x1C 150	831.20	386.47	386.27	385.97	1158.70			1	2400/5A CTM
$\dashv$																			
		-																	
						50													
						TOTAL (	CONNECTED L	LOAD PER	PHASE		2031.21	1011.27	997.87	989.87	2999.00			2	TOTAL
	DEMAND FACTOR0.68	3 MA	X. DEMA	ND2,0	031.21	.kW TO	TAL CONNEC	TED LOAD	(3 PHASE	)2,999.00	0kW T	OTAL BUII	LD - UP A	REA	ACTU	AL LO	AD (3	PH)	.2,999.00kW
	CONCLUTANTO - NO. 14	NBAN		D 4000	014750						TEL : 04	270 5777	,		FAV : 04	270.5	.000		
	CONSULTANTS : M/S. IA	IN BAN	TAW AN	n 4990	CIATES						TEL : 04 -	. 310 3111			FAX : 04 -	3105	ÖÖÖ		
	Type of Meter (Rating of I	ncomer	):		(1) UPT			(2) UPTO			(3) LV C	г	/		HV CT		<i>/</i>	A	

REV.	DATE
0	December 05, 2023

PRO	JECT :B+G+M+1 FLOOR C	AR SI	lowro	OM & OI	FFICE B	UILDING	DETAIL	S OF CO	NNECTED I	LOAD/MAX	K. DEMANI	)			AREA		:	AL QI	JOZ FIRST, DUBA
PLAN	INED COMPLETION DATE	: 202	4				OWNER	:	M/S. INTE	R EMIRAT	ES MOTO	RS			PLOT		:	3541	0013
.V M	DB REF : LV MDB -1						CONSULTAN	т :	M/S. IAN E	BANHAM 8	& ASSOCIA	TES			LOCATIO	N	:	LV R BASE	OOM EMENT FLOO
SR.	CIRCUIT	SP/	RAT	ING - Al	MPS	FAULT	PVC/XLPE	CABL	E SIZE	LENGTH	ECC	CC	NNECTE	D LOAD -	- KW	KW	H ME	TER	REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(3)	
1	INCOMER - 1	4P	2500 SET @ 0.85			50	В	Y DEWA			2x1C 150							1	2400/5A CT
2	INCOMER - 2	4P	2500 SET @ 0.85			50	BY GENER	RATOR SU	IPPLIER		PROVISION F	OR MOBILE	GENERATOR	WITH ELECT	RICAL AND ME	CHANIC	AL INTE	RLOCK	
	OUTGOING		(D.O.T)																
1	MDB-E1	TP		800		50	FIRE PROOF		2x4C 300		2x1C 150	132.77	130.67	125.17	388.60	5	50 K\	/A GE	NERATOR
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 CAI	PACITOR	BANK"				
	LV MDB -1 CONNECT	ED TO		SFORM		TOTAL	CONNECTED	LOAD PE	R PHASE			624.80	611.60	603.90	1840.30			1	TOTAL
	DEMAND FACTOR0.70	МА	X. DEMA	ND1,	200.01	.kW TO	OTAL CONNEC	TED LOA	D (3 PHAS	E)1,840.	30kW T	OTAL BL	JILD - UP	AREA	ACTL	JAL LO	DAD (	3 PH).	1,714.30I
	CONSULTANTS : M/S. IAN	BANI	HAM AN	D ASSO	CIATES						TEL : 04 -	370 5777			FAX : 04 -	370 5	888		
	Type of Meter (Rating of Inc	comer)	:		(1) UPT			(2) UPTC			(3) LV CT		/		HV CT		<i>/</i>	A	

PRC	JECT :B+G+M+1 FLOOR C	AR SH	lowro	OM & OI	FFICE B	UILDING	DETAIL	S OF COI	NNECTED	LOAD/MAX	C. DEMAND	)			AREA		:	AL QL	IOZ FIRST, DUBAI
PLAI	NNED COMPLETION DATE	: 202	4				OWNER	:	M/S. INTE	R EMIRAT	ES MOTO	RS			PLOT		:	3541	0013
LV N	IDB REF : LV MDB -2						CONSULTAN	т :	M/S. IAN I	BANHAM 8	& ASSOCIA	TES			LOCATIO	N	:	LV R	OOM
SR.	CIRCUIT	SP/	RAT	ING - AI	MPS	FAULT	PVC/XLPE	CABI	E SIZE	LENGTH	ECC	CC	NNECTE	D LOAD -	. KW	ΙκW	н ме		REMARKS
NO	FEEDER	TP		мссв		DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C							LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(3)	
1	INCOMER - 1	4P	2500 SET @ 0.85			50	В	Y DEWA	!		2x1C 150							1	2400/5A CTM
2	INCOMER - 2	4P	2500 SET @ 0.85			50	BY GENER	RATOR SL	IPPLIER		PROVISION F	OR MOBILE (	GENERATOR	WITH ELECT	RICAL AND ME	ECHANIC	AL INTE	RLOCK	
	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		DU	JTY CI	HILLER
2	CHILLER-2	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00	DUT			+STAND BY
3	CHILLER-3	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00	v		CHILL E/M IN	ITERLOCK
3	MCC-CHW	TP		125		50	XLPE/SWA/PVC		4C 50		1C 25	18.50	18.50	18.50	55.50	ST	AND	BY LC	OAD 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 I	kVAR CAI	PACITOR	BANK"				
	LV MDB -2 CONNECTE	D TO		ISFORM 1500KV		TOTAL	CONNECTED	LOAD DE				200.47	200 27	205.07	4450.70				TOTAL
	DEMAND FACTOR1.00	. MA					CONNECTED FAL CONNECT			)1,158.70	L )kW TO	386.47 TAL BUIL	386.27 .D - UP A	385.97 REA	. ACTUA	L LOA	L AD (3 l	<b>1</b> PH):	831.20kW
	CONSULTANTS : M/S. IAN	BANI	HAM AN	D ASSO	CIATES						TEL : 04 -	370 5777			FAX : 04 -	370 5	888		
	Type of Meter (Rating of Inc	omer)	:		(1) UPT (1 PHA			(2) UPTC			(3) LV CT		/		HV CT		/	А	

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

BASEMENT FLOOR

SR.	CIRCUIT	SP/	RAT	ING - A	MPS	FAULT	PVC/XLPE	CABL	E SIZE	LENGTH	ECC	CC	NNECTE	D LOAD -	KW	KW	н ме	TER	REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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 CONNECTE	ED TO	L	V MDB-		TOTAL	CONNECTED	LOAD PEI	R 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

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

(3 PHASE)

(1 PHASE)

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.	CIRCUIT	SP/	RAT	TING - AN	/IPS	FAULT	PVC/XLPE	CABL	E SIZE	LENGTH	ECC	CO	NNECTE	D LOAD -	KW	KW	H ME	TER	REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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 CONNECT	L	_V MDB-	1	TOTAL	CONNECTED	I OAD PE	R 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

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

SMDB REF : SMDB - BE1 CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

SR.	CIRCUIT	SP/	Г рлт	ING - AN	ADS.	FAULT	PVC/XLPE	CABLE	SI7E	LENGTH	ECC		NINIECTE	D LOAD -	KW	LVV	н мет	ΈΡ	REMARKS
		TP	ACB	MCCB	MCB	1	SWA/PVC/SC												REWARKS
NO	FEEDER	15	ACB	INICCE	IVICE		30040700/30	2/4x1C	2/3/4C	OF	SIZE -1C						3 Ph		
	DB NO.			005		KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(4)	
	INCOMER	TP		225 (N/A)		35	FIRE PROOF		4C 120		1C 70								
	OUTGOING																		
1	DB-BE1	TP		40		35	FIRE PROOF		4C 10		1C 10	5.30	4.20	4.30	13.80				*
2	CPEF	TP		40		35	FIRE PROOF		4C 10		1C 10	5.33	5.33	5.33	16.00				*
3	GEF	TP		40		35	FIRE PROOF		4C 10		1C 10	5.50	5.50	5.50	16.50				*
4	GMF	TP		40		35	FIRE PROOF		4C 10		1C 10	5.50	5.50	5.50	16.50				*
5	SEWAGE LIFT STAIOION -1	TP		32		35	XLPE/SWA/PVC		4C 6		1C 6	0.50	0.50	0.50	1.50				*
6	TMF	TP		32		35	FIRE PROOF		4C 6		1C 6	2.33	2.33	2.33	7.00				*
7	TMF	TP		32		35	FIRE PROOF		4C 6		1C 6	2.33	2.33	2.33	7.00				*
8	TEF	TP		32		35	FIRE PROOF		4C 6		1C 6	2.33	2.33	2.33	7.00				*
9	TEF	TP		32		35	FIRE PROOF		4C 6		1C 6	2.33	2.33	2.33	7.00				*
10	SUMP PUMP	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	0.50	0.50	0.50	1.50				*
11	JOCKEY PUMP	TP		32		35	FIRE PROOF		4C 6		1C 6	2.17	2.17	2.17	6.50				*
12	FIRE CIRCULATION PUMP	TP		20		35	FIRE PROOF		4C 4		1C 4	1.83	1.83	1.83	5.50				*

PROJECT	B+G+M+1 FLOOR CAR SHOWROOM & OFFICE   DETAILS OF CONNECTED LOAD/MAX. DEMAND
IPROJECI	 DTGTNIT I FLOOK CAR SHOWROOM & OFFICE IDETAILS OF CONNECTED LOAD/MAX. DEMAND

SMDB REF : SMDB - BE1 (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

	O DOLUT	Lon			100	<u> </u>		0.4.51					· · · · · · · · · · · · · · · · · · ·	D 1 0 4 D	101/	104		1	DE114 DI/O
SR.	CIRCUIT	SP/		ING - A			PVC/XLPE		E SIZE	LENGTH	ECC			D LOAD -			H ME		REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB		SWA/PVC/SC		2/3/4C	OF	SIZE -1C					ı		LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				*
					_									_	_				
S	SMDB - BE1 CONNEC	TED TO		MDB-E		TOTAL	CONNECTED	LOAD PEI	R 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

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.	CIRCUIT	SP/	RA1	TING - AN	ИPS	FAULT	PVC/XLPE	CABLI	SIZE	LENGTH	ECC	CO	NNECTE	D LOAD -	KW	KW	н ме	TER	REMARKS
NO	FEEDER	TP	ACB	MCCB	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				*
5	SMDB - BE2 CONNECTE	D TO		MDB-E		TOTAL	CONNECTED	LOAD PE	R 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

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.	CIRCUIT	SP/		ING - AN			PVC/XLPE	_	E SIZE	LENGTH	ECC	CC	NNECTE	D LOAD -	KW		H ME		REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB		SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	1		B-PHASE		1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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 UP
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+CONTAC
6	CCU-2	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	7.50	7.50	7.50	22.50				UVR+TIMER+CONTAC
	 SMDB - BE3 CONNEC	 TED TO		MDB-E															TOTAL
						TOTAL	CONNECTED	LOAD PER	R PHASE			29.47	30.77	27.87	88.10				IOIAL

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

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

	OUDOLUT	OD/		TINIO AN	400		DVO/VLDE	O A DI I	- 0.75		F00		NINIFOTE	DIOAD	IZVAZ	1///		TED I	DEMARKS
SR.	CIRCUIT	SP/		ING - AN			PVC/XLPE		E SIZE	LENGTH	ECC			D LOAD -			H ME		REMARKS
NO	FEEDER	TP	ACB	MCCB	MCB	_	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C					1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				*
5	SMDB - GN1 CONNECTE	D TO	L	_V MDB-	1	TOTAL	CONNECTED	LOAD PEI	R 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

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

SMDBREF : SMDB-GE1 CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

SR.	CIRCUIT	SP/		ING - A		FAULT	PVC/XLPE	CABL	E SIZE	LENGTH	ECC	CO	NNECTE	D LOAD -	KW	KW	H ME	TER	REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(4)	
	INCOMER	TP		250 (N/A)		35	FIRE PROOF		4C 150		1C 70								
	OUTGOING																		
1	DB-GE1	TP		40		35	FIRE PROOF		4C 10		1C 10	4.30	3.70	2.10	10.10				*
2	DB-GE2	TP		40		35	FIRE PROOF		4C 10		1C 10	4.00	3.40	2.60	10.00				*
3	DB-ME1	TP		40		35	FIRE PROOF		4C 10		1C 10	2.80	2.70	2.90	8.40				*
4	DB-ME2	TP		40		35	FIRE PROOF		4C 10		1C 10	2.80	3.00	3.20	9.00				*
5	DB-1E1	TP		40	GE	35	FIRE PROOF		4C 10		1C 10	4.40	3.70	4.10	12.20				*
6	DB-1E2	TP		40		35	FIRE PROOF		4C 10		1C 10	1.60	1.60	0.50	3.70				*
7	LIFT-1	TP		63		35	FIRE PROOF		4C 16		1C 16	5.00	5.00	5.00	15.00				*
8	LIFT-2	TP		63		35	FIRE PROOF		4C 16		1C 16	5.00	5.00	5.00	15.00				*
9	PANORAMIC LIFT	TP		63		35	FIRE PROOF		4C 16		1C 16	5.00	5.00	5.00	15.00				*
10	LIFT-1 CONTROL	SP		20	·	35	FIRE PROOF		2C 4		1C 4	0.50			0.50				*
10	LIFT-2 CONTROL	SP		20		35	FIRE PROOF		2C 4		1C 4		0.50		0.50				*
10	PANORAMIC LIFT CONTROL	SP		20		35	FIRE PROOF	•	2C 4		1C 4			0.50	0.50				*

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

<b></b>	O DOLLIT	Lon			100	I	D (0.0 0 DE	0.4.51.5	- 0.75	ı				D 1 0 4 D	1011	1000		T	DEMARKS
SR.	CIRCUIT	SP/		TING - AI		FAULT			SIZE	LENGTH	ECC			D LOAD -		_	H ME		REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C		Y-PHASE	B-PHASE	TOTAL			LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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 CONNECT	ED TO		MDB-E		TOTAL	CONNECTED	LOAD PER	R 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

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.	CIRCUIT	SP/	Прат	ING - AN	ADS	FAULT	PVC/XLPE	CARI	E SIZE	LENGTH	ECC		NINECTE	D LOAD -	KW		H ME	TED	REMARKS
		TP	ACB	MCCB		4	SWA/PVC/SC			LENGTH									KEWIAKKS
NO	FEEDER	15	ACB	INICCE	IVICE	_	30040700/30	2/4x1C	2/3/4C	OF	SIZE -1C					l	3 Ph		I
	DB NO.			222		KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(4)	
	INCOMER	TP		630 (N/A)		35	XLPE/SWA/PVC		2x4C 185		2x1C 95								<u> </u>
	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				<u> </u>
5	BAY AREA	TP		63		35	XLPE/SWA/PVC		4C 16		1C 16	6.00	6.00	6.00	18.00				<u> </u>
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				*

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

SMDBREF : SMDB-GN2A (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

SR.	CIRCUIT	T SP/		ΓING - AI	MDS	FAULT	PVC/XLPE	CAPI	E SIZE	LENGTU	ECC		NNECTE	D LOAD -	K/V/	K\\\	н ме	тер Т	REMARKS
		TP								LENGTH									REWARKS
NO	FEEDER	11	ACB	MCCB	MCB	_	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C					1	l	LV/HV CT	
	DB NO.			222		KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(4)	
	INCOMER	TP		630 (N/A)		35	XLPE/SWA/PVC		2x4C 185		2x1C 95								
	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				*
S	SMDB-GN2A CONNECT	ED TO	ı	_V MDB-	1	TOTAL	CONNECTED	LOAD PE	R PHASE			88.23	84.73	85.03	258.00				TOTAL

DEMAND FACTOR...... MAX. DEMAND.......kW TOTAL CONNECTED LOAD (3 PHASE)...258.00...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

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

	OLDOLUT	SP/	Полт		ADC	I FALLET	DVC/VLDE	CARL	E 017E		LECC	1 00	NINIFOTE	DIOAD	IZIAI	12147		1	DEMARKS
SR.	CIRCUIT	1		ING - AN		FAULT			E SIZE	LENGTH	ECC			D LOAD -			H MET		REMARKS
NO	FEEDER	TP	ACB	мссв	MCB		SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C				_	1	3 Ph		
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				

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

SMDBREF : SMDB-GN2B (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

<u></u>	CIDCUIT	SP/		TINIC AI	MDC	FAULT	PVC/XLPE	CADI	E SIZE		F00		NINIECTE	D LOAD -	IZ\AI	1///	н ме	TED I	REMARKS
SR.	CIRCUIT	1		ING - AI						LENGTH	ECC								REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C					1		LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				*
16	BAY AREA	SP		20		35	XLPE/SWA/PVC		2C 4		1C 4			1.50	1.50				*
8	SMDB-GN2B CONNECT	ED TO	l	V MDB-	1	TOTAL	CONNECTED	LOAD PE	R 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

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

	T	1				<u> </u>										T			
SR.	CIRCUIT	SP/		TING - A		FAULT		CABL	E SIZE	LENGTH	ECC	CC	NNECTE	D LOAD -	KW		H ME		REMARKS
NO	FEEDER	TP	ACB	MCCB	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				*

SMDBREF : SMDB-GN2C (CONT'D) CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

SR.	CIRCUIT	SP/	RAT	TING - AI	MPS	FAULT	PVC/XLPE	CABL	E SIZE	LENGTH	ECC	CC	NNECTE	D LOAD -	KW	KW	H ME	TER	REMARKS
NO	FEEDER	TP	ACB	мссв	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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				*
S	SMDB-GN2C CONNECT	ED TO	I	_V MDB-	1	TOTAL	CONNECTED	LOAD PE	R 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

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.	CIRCUIT	SP/	RAT	TING - AN	/IPS	FAULT	PVC/XLPE	CABL	E SIZE	LENGTH	ECC	CO	NNECTE	D LOAD -	KW	KW	H ME	TER	REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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 CONNECT	ED TO	I	_V MDB-	1	TOTAL	CONNECTED	I OAD PFI	R 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 (3) LV CT ...../..... HV CT ......A (2) UPTO 125A (3 PHASE)

(1 PHASE)

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

SMDBREF : SMDB-RN CONSULTANT : M/S. IAN BANHAM & ASSOCIATES LOCATION : ELECT ROOM

SR.	CIRCUIT	SP/		ING - A		FAULT		CABLE SIZE		LENGTH	ECC	CONNECTED LOAD - KW			KW	KWH METER			REMARKS
NO	FEEDER	TP	ACB	МССВ	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(4)	
	INCOMER	TP		350 (N/A)		35	XLPE/SWA/PVC		4C 240		1C 120								
	OUTGOING																		
1	DB-RN	TP		40		35	XLPE/SWA/PVC		4C 10		1C 10	3.13	2.93	2.63	8.70				
2	AHU-1	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	0.83	0.83	0.83	2.50				
3	AHU-2	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	0.83	0.83	0.83	2.50				
4	AHU-3	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	0.83	0.83	0.83	2.50				
5	AHU-4	TP		32		35	XLPE/SWA/PVC		4C 6		1C 6	2.83	2.83	2.83	8.50				
6	AHU-4	TP		32		35	XLPE/SWA/PVC		4C 6		1C 6	2.83	2.83	2.83	8.50				
7	AHU-5	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	1.00	1.00	1.00	3.00				
8	AHU-6	TP		40		35	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				
9	AHU-7	TP		20		35	XLPE/SWA/PVC		4C 4		1C 4	1.67	1.67	1.67	5.00				
10	FAHU-1	TP		200		35	XLPE/SWA/PVC		4C 95		1C 50	30.00	30.00	30.00	90.00				
11	FAHU-2	TP		40		35	XLPE/SWA/PVC		4C 10		1C 10	3.83	3.83	3.83	11.50				
12	DX-1	TP		32		35	XLPE/SWA/PVC		4C 6		1C 6	3.33	3.33	3.33	10.00				*

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

		1									1								
SR.	CIRCUIT	<del>                                </del>			PVC/XLPE		E SIZE	LENGTH	ECC	CONNECTED LOAD - KW					H ME	REMARKS			
NO	FEEDER	TP	ACB	MCCB	MCB	DUTY	SWA/PVC/SC	2/4x1C	2/3/4C	OF	SIZE -1C	R-PHASE	Y-PHASE	B-PHASE	TOTAL	1 Ph	3 Ph	LV/HV CT	
	DB NO.					KA		mm²	mm²	CABLE (Mtrs)	mm²	kW	kW	kW	kW	(1)	(2)	(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

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 **ELECT ROOM** LOCATION : ROOF SR. CIRCUIT SP/ RATING - AMPS FAULT PVC/XLPE CABLE SIZE LENGTH ECC CONNECTED LOAD - KW KWH METER REMARKS TP ACB MCCB MCB DUTY NO **FEEDER** SWA/PVC/SC 2/4x1C 2/3/4C OF SIZE -1C R-PHASE Y-PHASE B-PHASE TOTAL 1 Ph 3 Ph LV/HV CT KΑ kW kW kW DB NO. mm<sup>2</sup> mm<sup>2</sup> CABLE (Mtrs) mm<sup>2</sup> kW (1) (2) (3) 63 TP **INCOMER** 30 XLPE/SWA/PVC 4C 16 1C 16 (N/A) OUTGOING DB-RE ΤP 40 30 XLPE/SWA/PVC 4C 10 1C 10 1.40 1.40 1.20 4.00 GSM EQUIPMENT TP 32 30 XLPE/SWA/PVC 4C 6 1C 6 2.50 2.50 2.50 7.50 3 GSM EQUIPMENT ΤP XLPE/SWA/PVC 32 30 4C 6 1C 6 2.50 2.50 2.50 7.50 SMDB - RE CONNECTED TO MDB-E **TOTAL** 6.20 TOTAL CONNECTED LOAD PER PHASE 6.40 6.40 19.00 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 (3) LV CT ...../..... HV CT ......A Type of Meter (Rating of Incomer): (1) UPTO 60A (2) UPTO 125A (1 PHASE) (3 PHASE)