

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