

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				