

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