

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