

IAN BANHAM &amp; ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																			
MCCREF : MCC- CHW					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : ELECT ROOM									
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 <sup>2</sup>	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm <sup>2</sup>	2/3/4C mm <sup>2</sup>			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	XLPE/SWA/PVC		4C 50		1C 25								
	OUTGOING																		
1	CHWP-1	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				*
2	CHWP-2	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				*
3	CHWP-3	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.83	5.83	5.83	17.50				STAND BY
4	PRESSURIZATION UNIT	TP		20		30	XLPE/SWA/PVC		4C 4		1C 4	1.00	1.00	1.00	3.00				*
<b>MCC- CHW</b> CONNECTED TO <b>LV MDB-2</b>						TOTAL CONNECTED LOAD PER PHASE						<b>18.50</b>	<b>18.50</b>	<b>18.50</b>	<b>55.50</b>				TOTAL
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				
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