

IAN BANHAM &amp; ASSOCIATES

ELECTRICAL

PROJECT : <b>B+G+M+1 FLOOR CAR SHOWROOM &amp; OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND</b>																		
SMDB REF : <b>SMDB - BN</b>						CONSULTANT : <b>M/S. IAN BANHAM &amp; ASSOCIATES</b>						LOCATION : <b>ELECT ROOM BASEMENT</b>						

  

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		500 (N/A)		30	XLPE/SWA/PVC		2x4C 150		1C 150								
	OUTGOING																		
1	DB-BN1	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	3.70	3.00	2.40	9.10				*
2	DB-BN2	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	5.20	3.30	3.30	11.80				*
3	POLISHING BAY	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	12.00	12.00	12.00	36.00				*
4	POLISHING BAY	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	12.00	12.00	12.00	36.00				*
5	USED OIL PUMP	TP		40		30	XLPE/SWA/PVC		4C 10		1C 10	2.00	2.00	2.00	6.00				*
6	COMPRESSOR ROOM	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	11.00	11.00	11.00	33.00				*
7	CAR WASH	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	11.00	11.00	11.00	33.00				*
8	CAR WASH	TP		80		30	XLPE/SWA/PVC		4C 25		1C 16	11.00	11.00	11.00	33.00				*
9	SPARE	TP		63		30	--		--		--	9.00	9.00	9.00	27.00				
<b>SMDB - BN</b> CONNECTED TO <b>LV MDB-1</b>						TOTAL CONNECTED LOAD PER PHASE						<b>76.90</b>	<b>74.30</b>	<b>73.70</b>	<b>224.90</b>				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)....224.90...kW TOTAL BUILD - UP AREA ..... ACTUAL LOAD (3 PH).....kW																			
CONSULTANTS : <b>M/S. IAN BANHAM AND ASSOCIATES</b>										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