LOAD CALCULATION TACOBELL@ TERMINAL 1, DELHI				
S.NO.	DESCRIPTION OF LOAD	CONNECTED LOAD IN KW	DIVERSITY FACTOR	DEMAND LOAD IN KW
I	ELECTRICAL LOAD WITH ELECTRIC KITCHEN			
1	TOTAL ELECTRICAL LOAD	81.88	0.8	65.50
	TOTAL LOAD IN KW	**81.88**		**65.50**

S.NO	EQUIPMENT DETAILS	QTY	PHASE	CIRCUIT N.O	LOAD KW	R	Y	B	TOTAL LOAD(KW)
A	HVAC LOAD								
1	AHU 6000 CFM	1	Three		2.20				2.20
	Sub Total								2.20
B	KITCHEN VENTILATION								
1	Fan Filter Unit	1	Three		2.20				2.20
2	Extract Fan Section	1	Three		1.50				1.50
	Sub Total								3.70
C	UPS D.B. LOAD	1	Single		2.43	0		2.43	2.43
D	LIGHT D.B. LOAD	1	Three		0.95				0.95
D1	SIGNAGE	1	Single		1.5	0	1.5		1.50
F	EQUIPMENT LOAD								
1	Walkin Chiller	0	Single		2			0	0
2	Walkin Freezer	0	Three		3				0
3	I Line	1	Three		10				10
3a	Star Grillers	0	Single		2				0
3b	Steamers	0	Single		3.3				0
4	Combi Oven	1	Three		10				10
5	Hand Wash Geyser	1	Single	P1R1	2	2			2
6	Under Counter Fridge	1	Single	P1R2	0.5	0.5			0.5
7	UHC	1	Single	P1R3	2	2			2
8	4 Door Frezzer	1	Single	P1R4	0.75	0.75			0.75
9	Spare	0	Single	P1R5	0.5	0			0
10	Blender	1	Single	P1R6	0.5				0
11	Spare	1	Single	P1R6	0	0			0
12	Spare			P1R8					
13	Geyser	1	Single	P1Y1	2		2		2
14	ICE Cuber	1	Single	P1Y2	1		1		1
15	Pepsi M/C	1	Single	P1Y3	1		1		1
16	Manager Room	1	Single	P1Y4	0.6		0.6		0.6
17	Weigh Scale	1	Single	P1Y5	0.2		0.2		0.2
18	Air Curtain	1	Single	P1Y6	0.3		0.3		0.3
19	Spare	0	Single	P1Y7	0		0		0
20	Spare								
21	Rice Cooker	1	Single	P1B1	1			1	1
22	2 Door Chiller	1	Single	P1B2	0.5			0.5	0.5
23	EDS Machine	1	Single	P1B3	0.5			0.5	0.5
24	4 Door Chiller	1	Single	P1B4	0.75			0.75	0.75
25	Visi Cooler	0	Single	P1B5	0.5				0
26	Cassette A.C. Unit	0	Single	P1B7	0			0	0
27	2 Door Chiller	0	Single	P1B8	0.5			0	0
29	Coffee M/C Spare	1	Three		4				4
30	Fryer	2	Three		17				34
31	Rethermalizer	0	Three		22				0
	Sub Total					**5.3**	**6.6**	**5.2**	**71.1**
	Total Connected Load in KW								**81.9**
	Diversity Factor								**0.8**
	Demand Load in KW								**65.50**

B	**UPS DB**								
	DB TYPE:	**16WAY SPN DOUBLE DOOR TYPE**							
	DEMAND LOAD	**3.25 KW**							
	SUBMAIN SIZE:	**(2 X 6 sq.mm +1 X 6 sq.mm earth wire)**							
	INCOMING MCB - 40 A DP MCB								
S.NO	**UPS LOAD**	**QTY**	**Phase**	**CIRCUIT**	**LOAD**				**TOTAL**
	DETAILS			**N.O**	**KW**	**R**	**Y**	**B**	**LOAD(KW)**
1	Fire and Gas Panel	1	Single		0.1				0.1
2	UV lamp , MRD & Water Level	1	Single		0.2				0.2
3	KDS	4	Single		0.15				0.6
4	Point for fryer	2	Single		0.1				0.2
5	POS and Printer	1	Single		0.1				0.1
6	POS & Printer Manager Table	1	Single		0.3				0.3
7	Data Rack	1	Single		0.5				0.5
8	DMB	4	Single		0.1				0.4
9	Spare								
10	Emergency Light	5	Single		0.006				0.03
C	**CONNECTED LOAD IN KW**								**2.43**
S.NO	**LIGHT LOAD**	**QTY**	**Phase**	**CIRCUIT**	**LOAD**				**TOTAL**
	DETAILS			**N.O**	**KW**	**R**	**Y**	**B**	**LOAD(KW)**
1	Down Light Fixture	18	Single		0.015				0.27
2	Light Fixture Spot Light	5	Single		0.006				0.03
3	Light Fixture Spot Light	5	Single		0.007				0.035
4	Pendant Light Fixture	1	Single		0.02				0.02
5	Wall Fan	0	Single		0.1				0
6	Wall Light	6	Single		0.015				0.09
7	LED LAMP	1	Single		0.1				0.1
8	6 Amps Light Plug	4	Single		0.1				0.4
	CONNECTED LOAD IN KW								**0.95**