1)	Tutorial 5-1		_				
in	Tope	Connected	DF	Mo	ox Demand		
(i)	Mo Fluorescent	6×40 ×1-8/220	0.66		1-249		
	Lamp 18 lamp => 6/phase	=1.88A	344				
(ii)	Filament lamp	6×100/230	0.66		1-72A		
	18 lamps => 6/phase	= 2.61 A					
(iii)	920		1.00				
	[choose largest circutt]	(3000x2)/230		1 (151)	13-04A		
	30/6 = 5 13A SSO/cct			Q.4 (2nd)	5.21A		
	3-phase => 2 cct/phas						
		= 13.04A					
(iv)	Water Heater	2000 = 13.04 A		1	13-04A		
	[1/phase]				F361		
(v)	Aircon	(2×4500) 13×400×09×08		1	18.042A		
		= 18.042A					
		\$\$ +2.61 + 26.08 ·	+ 13.0	4 +18-042			
9	Total Connected = 1.88 + 2.61 + 26.08 + 13.04 + 18.042 = 61.652						
	Max Demand = 1.24 + 1.72 + 13.04 + 5.22 + 13.04 + 18.042						
	≈52.502 A						
	20% cpare = 62.76 A						
	68A CCB						

office			
Type	Connected Cood	DF	Max Denand
Fluorescent	(1-8) (60 × 2×36)/230	0.9	30.42A
	= 33. 8		
SSO	1 cct:30	1	30A
	5 cct: 30x5= 150A	0.5	75 A
Air con		1	17.0
	(2×8000) = 17A	0.8	(3.5A
Fans			0
	9×100 = 3.91A	E . Ta	0
		137	
Connected			
Max Demand	1 = 75.414		
LUOA TP	selected		T. HUT.
			spil se
2	10.413	(4)	
			-
	The latest to the latest	- 1	
		1. 8.	
		- S	

	Connected 1 1	0.0	
luorescont	Connected Load	DF	Max Deman
	(20X2X36X1-8)/55X4W	0.9	1.744
Light	=3-74A	• (3-37A
SSO	5000/13×400	1	7-22A
	= 7.22A	0.5	14.441
Aircon	(0000/J3x400x0.8x(pf)		
	= 18.04A	1	(8-04A
ma + nomand	= 3.37 + 7.22+ 4.44 +	18.04 - 43.07A	
20%	= 51-684A		
	LH LITTOIT DIE		
7.8	SA Circuit Breaker		
7,9	SH CITCOTT DIV		
	SH CITCOTT DIV		
3)	SH CITCOTT DIV		
	SH CITCOTT DIV		
	SA CITCOTT DIV		
	SH CITCOTT DIV		