

	HOSPITAL LOAD CALCULATION														Total Apparent Power Demand kVA	Size of Main MCCB of hospital, A	Total Size of sub MCCB, A	Size of Floor DBs MCCB,A
	Hospital DBs	Electrical Loads			Apparent Power, kVA	Ku	Apparent Power Demand,k VA	Ks	Apparent Power Demand,k VA	Ks	Apparent Power Demand, kVA	Apparent Power Demand, kVA	Ks					
			Qty	Wattage, W										P.F				
SDB 0	SDB 0-1	LED Panel Surface type 2x2	5	36	0.9	0.2	1	0.2	1	0.2								
		LED Panel Surface type 1x4	4	40	0.9	0.177778	1	0.177778	1	0.177778								
		LED Panel Surface type 1x1	12	15	0.9	0.2	1	0.2	1	0.2								
		LED Panel Surface type 1x2	4	20	0.9	0.088889	1	0.088889	1	0.088889	1	3.944314						
		LED Panel Surface type 1x1	6	6	0.9	0.04	1	0.04	1	0.04								
		Single Phase Socket Outlet 15 A	2	1000	0.85	2.352941	1	2.282353	0.8	1.825882								
		Single Phase Socket Outlet 5 A	5	1000	0.85	5.882353	0.8	4.705882	0.3	1.411765								
		Three Phase Socket Outlet	1	9000	0.85	10.58824	0.9	9	0.7	6.3	1	6.3						
	SDB 0-1 UPS	Electric Lift	1	4000	0.8	5	0.9	4.5	1	4.5	1	4.5						
		LED Round Emergency	11	15	0.9	0.183333	1	0.183333	1	0.183333	1	6.959804						
	SDB 0-2	Single Phase Essential Socket	16	1000	0.85	18.82353	0.9	16.94118	0.4	6.776471	1							
		LED Panel Surface type 2x2	4	36	0.9	0.16	1	0.16	1	0.16								
		Single Phase Socket Outlet	12	1000	0.85	14.11765	1	13.69412	0.5	6.162353	1	7.336275						
		Single Phase Socket Outlet 5 A	1	1000	0.85	1.176471	0.8	0.941176	0.5	0.470588								
	SDB 0-2 UPS	Three Phase Socket Outlet	1	9000	0.85	10.58824	0.9	9	0.7	6.3	1	6.3						
		LED Round Emergency	4	15	0.9	0.066667	1	0.066667	1	0.066667								
		LED Round Emergency Wall	2	15	0.9	0.033333	1	0.033333	1	0.033333		5.577647						
		Single Phase Essential Socket	12	1000	0.85	14.11765	1	13.69412	0.4	5.477647	1							
	SDB 0-3	LED Panel Surface type 2x2	11	36	0.9	0.44	1	0.44	1	0.44								
		LED Panel Surface type 1x1	7	15	0.9	0.116667	1	0.116667	1	0.116667								
		48" Celing Fan	2	50	0.85	0.117647	0.9	0.1	1	0.1	1	10.28477						
		Single Phase Socket Outlet	12	1000	0.85	14.11765	1	13.69412	0.5	6.847059								
	SDB 0-3 UPS	Single Phase Socket Outlet 5 A	8	1000	0.85	9.411765	0.8	7.529412	0.3	2.258824								
		LED Round Emergency	14	15	0.9	0.233333	1	0.233333	1	0.233333	1							
		LED Round Emergency Wall	3	15	0.9	0.05	1	0.05	1	0.05	1	7.422745						
		Single Phase Essential Socket	18	1000	0.85	21.17647	1	20.54118	0.4	7.189412	1							
SDB 1	SDB 1-1	LED Panel Surface type 2x2	10	36	0.9	0.4	1	0.4	1	0.4								
		48" Celing Fan	1	50	0.85	0.058824	0.9	0.05	1	0.05	1	8.227778						
		Single Phase Socket Outlet	8	1000	0.85	9.411765	1	9.129412	0.6	5.477647								
		Single Phase Socket Outlet 5 A	5	1000	0.85	5.882353	0.8	4.705882	0.4	1.882353								
	SDB 1-1 UPS	LED Round Emergency	12	15	0.9	0.2	1	0.2	1	0.2	1	3.851765						
		Single Phase Essential Socket	8	1000	0.85	9.411765	1	9.129412	0.4	3.651765	1							
	SDB 1-2	LED Panel Surface type 2x2	9	36	0.9	0.36	1	0.36	1	0.36								
		48" Celing Fan	2	50	0.85	0.117647	0.9	0.1	1	0.1	1	6.298627						
		Single Phase Socket Outlet	9	1000	0.85	10.58824	1	10.27059	0.5	5.135294								
		Three Phase Socket Outlet	1	9000	0.85	10.58824	1	10.27059	0.7	7.189412	1	7.189412						
	SDB 1-2 UPS	LED Round Emergency	8	15	0.9	0.133333	1	0.133333	1	0.133333	1							
		Single Phase Essential Socket	15	1000	0.85	17.64706	1	17.11765	0.4	6.847059	1	6.980392						
	SDB 1-3	LED Panel Surface type 2x2	12	36	0.9	0.48	1	0.48	1	0.48								
		Single Phase Socket Outlet	8	1000	0.85	9.411765	1	9.129412	0.6	5.477647	1	8.564444						
		Single Phase Socket Outlet 5 A	5	1000	0.85	5.882353	0.8	4.705882	0.4	1.882353								
	SDB 1-3 UPS	LED Round Emergency	11	15	0.9	0.183333	1	0.183333	1	0.183333	1							
		LED Round Emergency Wall	2	15	0.9	0.033333	1	0.033333	1	0.033333	1	8.433137						
		Single Phase Essential Socket	18	1000	0.85	21.17647	1	20.54118	0.4	8.216471	1							
SDB 2	SDB 2-1	LED Panel Surface type 1x1	25	15	0.9	0.416667	1	0.416667	1	0.416667								
		LED Round Emergency	2	15	0.9	0.033333	1	0.033333	1	0.033333	1	9.008824						
		Single Phase Socket Outlet	15	1000	0.85	17.64706	1	17.11765	0.5	8.558824								
	SDB 2-2	LED Panel Surface type 2x2	12	36	0.9	0.48	1	0.48	1	0.48								
		48" Celing Fan	3	50	0.85	0.176471	0.9	0.15	1	0.15	1	7.86817						
		Single Phase Socket Outlet	8	1000	0.85	9.411765	1	9.129412	0.5	4.564706								
		Single Phase Socket Outlet 5 A	5	1000	0.85	5.882353	0.8	4.705882	0.4	1.882353								
	SDB 2-2 UPS	LED Round Emergency	11	15	0.9	0.183333	1	0.183333	1	0.183333	1							
		LED Round Emergency Wall	2	15	0.9	0.033333	1	0.033333	1	0.033333	1	8.433137						
	Single Phase Essential Socket	18	1000	0.85	21.17647	1	20.54118	0.4	8.216471	1								