

Current Load Detailed

ID	Device	h/day	GRID	L1 (NOC)	L2 (ICT)	L3 (Lamps)	Power	Reception	MF1	MF2	CLC	Cisco	ITE	Server room	Main house	Huts	Out door	No units	Wh/day
1	PC	8					75	4	1	2	8	6	6			2		29	17400
2	Monitor	8					75	4	2	2	6	6	6	3		2		31	18600
3	UPS	8												3				3	0
4	Stabilizer	8						2			3		3	1	1	2		12	0
5	Printer	2					100		1	2				1	1			5	1000
6	Router	24					30							2				2	1440
7	Switch	24					10			1			2	3	4			10	2400
8	Hub	8					10						1					1	80
9	Cisco router	8					110					5						5	4400
10	Cisco switch	8					110					2						2	1760
11	Laptop	8					30		1							2		3	720
12	iMAC PC	0					535						1					1	0
13	Server	24					100							3				3	7200
14	Satellite modem	24					50							1				1	1200
15	Wireless AP	24					10								1			1	240
16	Scanner	0					0			1								1	0
17	Air condition	4					660	1	1	1				1	1			5	13200
18	Ceiling fan	8					150			1	2	1	2		4	2		12	14400
19	Floor fan	8					80							1				1	640
20	Table lamp	8					6								2	6		8	384
21	Light bulbs, indoor	8					20	2	1	1	2	2	6	1	13			28	4480
22	Light bulbs, outdoor	10					100										13	13	13000
23	Florescent lamp, indoor	8					10		1	1		4	2		1			9	720
24	Radio	0					0								1			1	0
25	Heaters	0					2000								2			2	0
26	Pressing iron	0					1200								2			2	0
27	Electric cooker	4					1500								1				0
28	Deep freezer	24					1800								1				0
29	Refrigerator	24					100								1				0
30	Electric kettle	0					2200								1				0
31	Blender	0					400								1				0

28,240 12,480 43,960 18,584

TOTAL (Wh/day)
TOTAL (P1+P2+P3)

103,264
75024

103264

Summary Subsystems

L1	NOC	Hours	Units	Power	Wh	
	sB access points	24	5	15	1800	
	Low Power Servers	24	4	30	2880	
	LCD	2	4	50	400	
	Laptops	10	3	75	2250	
	Lamps	8	4	15	480	
	Satellite VSAT	24	1	60	1440	
					9250	10000

L2	ICT Equipment	Hours	Units	W	Wh	
	PC + Screens	8	30	150	36000	
	Printers	1.5	5	100	750	
	Hubs + Switches	8	3	100	2400	
	Cisco Equipment	8	3	200	4800	
					43950	45000

L2(2)	ICT Equipment	Hours	Units	W	Wh	TOTAL
	PC + Screens	8	30	75	18000	
	Printers	1.5	5	100	750	
	Hubs + Switches	8	1	100	800	
	Cisco Equipment	8	3	200	4800	
					24350	25000

L3	Lamps	Hours	Units	W	Wh	TOTAL
	Indoor	8	50	21	8400	
	Outdoor	3.5	20	23	1610	
					10010	10000

L4	Street Lights	Hours	Units	W	Wh	TOTAL
	Outdoor Street Lights	6	1	21	126	

Loads Final Summary

Summary	Load Subsystem	Wh	Aut	Comments
L1	NOC	10000	3	2 Kwp (PV)
L2	ICT Equipment	45000/25000	2	
L3	Lamps	10000	2	70 Lamps
L4	Stand Alone Street Lights		2	