



7.1.2 Alternate sources of energy and energy conservation measures agency.

Alternate sources of energy and energy conservation measures agency.

**Facilities
LED Bulbs**



7.1 Institutional Values and Social Responsibilities
7.1.2 Facilities for alternate sources of energy and energy conservation measures.

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures


USE OF LED BULBS/ POWER EFFICIENT EQUIPMENT

In PEC, all blocks had LED bulbs are used to save electricity, It helps to save more energy than the usage of Incandescent or CFL.

Total Lighting requirements	:	77280
Percentage Lighting through LED bulbs	:	10%
Percentage Lighting through other sources	:	90%

Total Lighting requirements	Percentage Lighting through LED bulbs	Percentage Lighting through other sources
77280	10%	90%

Total lighting requirements for PEC campus	:	77280 watt
No of LED bulbs available in campus	:	7857 Nos


PRINCIPAL


TOTAL LIGHTING REQUIREMENTS FOR PEC CAMPUS

S.No	Location	Sub location	Nos	WT	Total WT
1	Boys Hostel	First Year	89	40	3560
2			103	20	2060
3		Second Year	76	40	3040
4			84	20	1680
5		Third Year	42	40	1680
6			46	20	920
7		Final Year	37	40	1480
8			53	20	1060
9	Girls Hostel	First Year	54	40	2160
10			19	20	380
11		Second Year	43	40	1720
12			21	20	420
13	Third & Final Year	40	40	1600	
14		16	20	320	
15	Mess	First Floor	76	40	3040
16		Ground Floor	25	40	1000
17	Main Building		311	40	12440
18	ECE Block		136	40	5440
19	Mech & Civil Block		138	40	5520
20	Library & mega Lab		286	40	11440
21	CSE Block		111	40	4440
22	ECE Block		158	40	6320
23	Street Light	Near Work shops	4	40	160
24		Inside Campus	35	100	3500
25		Out side Campus	10	100	1000
26		Near Mechanical Block	1	100	100
27		Nrae Back Gate	1	100	100
28		Near Bus Shead	1	100	100
29		Near STP Plant	1	100	100
30		Girls Hostel Entrance	1	100	100
31		Girls Hostel Entrance	2	100	200
32		Temple	inside temple	4	10
33	Shed		4	40	160
Grand Total Watt					77280

(Signature)
PRINCIPAL

LOCATION OF LED BULBS IN CAMPUS

S.No	Location	Sub location	No.of LED	WATT	TOTAL USAGE THROUGH LED
1	Main Block	Class Rooms	19	18	342
2		Corridor	15	9	135
3		Restrooms	10	10	100
4	ECE	Class Rooms	2	18	36
5		Corridor	16	9	144
6		Restrooms	2	10	20
7	Mess	Dining Hall	29	18	522
8		Cooking Area	1	20	20
9	Boys Hostel	First Year	30	20	600
10		Second Year	60	18	1080
11		Third Year	30	18	540
12		Final Year	30	18	540
13		Corridor	80	10	800
14	Girls Hostel	Hostel rooms	40	18	720
15		Corridors & Restrooms	13	10	130
16	Street Light	Near Work shops	4	18	72
17		Inside Campus	35	36	1260
18		Out side Campus	10	50	500
19		Near Mechanical Block	1	36	36
20		Nrae Back Gate	1	20	20
21		Near Bus Shead	1	18	18
22		Near STP Plant	1	18	18
23		Girls Hostel Entrance	1	20	20
24		Girls Hostel Entrance	2	36	72
25	Temple	inside temple	4	10	40
26		Shead	4	18	72
					7857


PRINCIPAL

Dr. B.R.RAMESH BAPU
 B.E., M.E., M.S (Engg.), Ph.D.
 PRINCIPAL
PRATHYUSHA ENGINEERING COLLEGE
 Poonamallee to Thiruvallur High Road,
 Chennai - 602 025.