

GURU NANAK KHALSA COLLEGE FOR WOMEN



2021-22

7.1.6

'Quality audits on environment and energy are regularly undertaken by the institution'

SUPPORTING DOCUMENT

INTERNAL ENERGY AUDIT

Although using energy is inescapable. There are numerous things you can do to reduce an organization's costs, regardless of whether of the size of the business. A quick, easy energy audit can significantly lower an organization's energy costs and help in breaking any bad energy habits we may have developed over time.

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Internal energy audit was conducted by a committee of below faculty members in college.

Ms. Surjit Kaur

Dr Shikha Bajaj

Ms Neha

Ms Kritika

Ms Simardeep

Ms Sandeep kaur

Ms Rachna

Ms Sarabjeet Kaur

During energy audit, all the electrical equipments of college were counted and listed down. Apart from this, electricity bills of last 1 year were compared and discussed.

7.1.6

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CLASSROOM INFRASTRUCTURE

CLASSROOMS

Room no	Tubelight	Fan
105	3	5
106	2	2
107	3	5
108	3	5
117	2	1
118	4	4
119	6	4
120	4	4
123	2	4
202	7	6
203	3	5
204	1	1
205	3	5
206	6	7
208	5	7
209	8	5
210	7	4
212	1	1
215	7	6
216	6	6
217	5	6
218	1	1
218	2	4
219	2	4
220	2	4
222	2	4
223	3	2
301	3	5
302	3	7
303	3	5
304	4	9
305	4	5
315	4	6
316	4	6
317	4	6
318	1	1
319	2	5
320	2	5
321	2	5
322	2	4
401	4	5
TOTAL	142	186

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LAB INFRASTRUCTURE

Room	Room no	Tubelight	Fan	Wall	Exhaus	Lamp	ce fan
STORE (HSc)	211	1	1				
FOOD LAB	208	7	7				
CLOTHING &	210	4	7				
FASHION DES	209	5	8				
Computer LAB	116	20		2			
Computer LAB	116	8		2			
Computer LAB	116	8		2			
Computer LAB	116	6		2	3		
Fine Arts lab	109	22	12			4	1
Lab	111	3	3				
Lab	121	4	4				
Lab	122	5	4				
Psycology lab	402	4	5				
Mass Com lab	403	4	5				
	TOTAL	101	56	8	3	4	1

Hostel

Room	Room no	Tubelight	Fan	Wall	Exhaust f	Geys er	Bulb
New hostel		68	35	1	21	6	
Warden's room		7	5	2	2	1	1
Old hostel		110	93		9	11	3
	TOTAL	185	133	3	32	18	4

STAFF ROOM INFRASTRUCTURE

Room	Room no	Tubelight	Fan	Bulb	Exhaust	Table fan
Main staff room		4	6			
Language staff room		2	2			
Fine Arts staff room		2	1		1	
Vice principal staff room		2	2			
Eng staff room		2	1			
Computer staff room		1	1			
Commerce visiter room		1	1			
Commerce staff room		2	4	5		1
Staff room first floor		1	1			
Home Sci staff room		2	1			
	TOTAL	19	20	5	1	1


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Offices and Other Rooms								
Room	Room no	Tubelight	Fan	Bulb	Chhaust f	wall fans	able folk	light
Old NCC room	124	2	1					
Medical room	126	2	2	LED 1				
Visiter room	127	2	3	LED 1	1			
Home Sci lab assistant room		1	1					
President sir's meeting room			1	34	1			
Library	21	30			4	4		
Tuck shops		1	1	4				
Basement parking		13			4			
Upside parking		4	1		1			
Babaji's room		1		11			1	
Canteen		8	12	11	2			
Canteen kitchen		3	2	2	3			
Canteen store				2				
Canteen Water area		1						
Principal office		6	1	3		2		
Pantry		2	1					
Administrative office		14		20				
Auditorium		4		87	1	21		2
TV room		2	6					
Sec sir office		2	4	3				
	TOTAL	98	36	177	17	27	1	2

Corridors						
Room	Room no	Tubelight	Fan	Bulb	Coolers	haust fan
Ground floor		9	5	9		
First floor		4	2	8		
Second floor		1		10		
Third floor		1				
Home Sci corridor		2			2	
Office Corridor		2	3			
Lawn				6		
Basement		17	12			5
	TOTAL	36	22	33	2	5

Washrooms				
Room	Room no	Tubelight	Bulb	haust fan
Home Sci staff room				1
Wasroom near Hsc			1	1
Library washroom			1	
Canteen washroom		1		1
Principal mam's washroom		1		1
Administrative washroom			1	1
Students washrooms			7	
Sec sir room's washroom		1		1
	TOTAL	3	10	6


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Peons' homes

Room	Room no	Tubelight	Fan	Bulb	able fa	Cooler
Joginder		1		3	1	1
Amit		2		2		1
Subhash		1	1	2		1
Yadav		1	1	1		
Manish		1	1	1		1
Gardener's home		1	1	1		
Vipin		1	1	1		1
	TOTAL	8	5	11	1	5

Room	Room no	Tubelight	Fan	able fan
Ground store 1				1
Ground store 2		1		
Ground store 3				
near generator room		1	1	
Auditorium store		1	1	
nt basement (store)				
computer lab (store)				1
w 123 room (store)		1		1
Sports store		2	1	
	TOTAL	6	3	3

GRAND SUMMARY

FANS	TUBELIGHTS	BULBS	FAN	ABLE FAN	COOLER	TOTAL
461	598	240	7	64	18	2

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ELECTRICITY BILL RECORDS

Date	Particulars	Amount in Rs.	Duration
24-06-2021	PSPCL	102220	31-5-21 to 22-6-21
28-07-2021	PSPCL	101220	26-6-21 to 21-7-21
01-09-2021	PSPCL	146190	21-7-21 to 22-8-21
28-09-2021	PSPCL	163920	22-8-21 to 22-9-21
27-10-2021	PSPCL	184960	30-9-21 to 21-10-21
02-12-2021	PSPCL	131670	21-10-21 to 21-11-21

Comparison of electricity bills of last one year

Findings

- ✓ Electricity consumption is more at some departments.
- ✓ Use of CFL lamps in the college is very less. Its use should be encouraged and now converted to LED lights.
- ✓ Toilet and washrooms are consuming more energy.