



GOVT.DR.W.W. PATANKAR GIRLS' PG COLLEGE

NEAR KENDRIYA VIDYALAYA, JAIL ROAD, DURG (C.G.)

[Old Name – Govt. Girls' College, Durg (C.G.) Ph.No. – 0788-2323773]

Email- govtgirlspgcollege@gmail.com

Website: www.govtgirlspgcollegedurg.com



Criteria-7 Institutional Values and Best Practices

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

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Metric No.	7.1 Institutional Values and Social Responsibilities	Documents Enclosed
7.1.2	The Institution has facilities for alternate sources of energy and energy conservation measures	Compiled document contacting usage of <ul style="list-style-type: none">• LED bulb• Power efficient equipment• Solar Lights.



Dr. D.C. Agrawal
(Principal)

Principal
Govt. Dr. W. W. Patankar
Girls P.G. College Durg (C.G.)



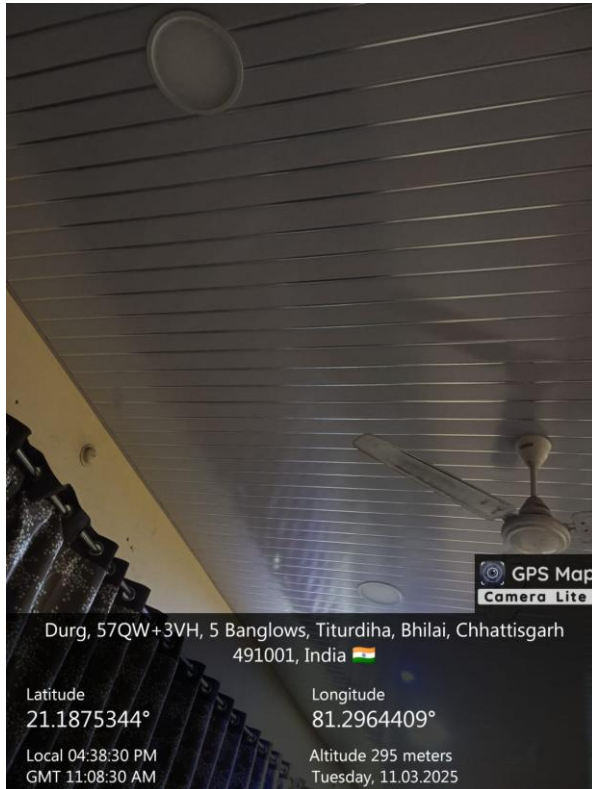
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Durg, 57QW+3VH, 5 Banglows, Titurdiha, Bhilai, Chhattisgarh
491001, India

Latitude
21.1875344°

Longitude
81.2964409°

Local 04:38:30 PM
GMT 11:08:30 AM

Altitude 295 meters
Tuesday, 11.03.2025



Durg, 57QW+3VH, 5 Banglows, Titurdiha, Bhilai, Chhattisgarh
491001, India

Latitude
21.1875344°

Longitude
81.2964409°

Local 04:38:07 PM
GMT 11:08:07 AM

Altitude 295 meters
Tuesday, 11.03.2025



Durg, 57QW+3VH, 5 Banglows, Titurdiha, Bhilai, Chhattisgarh
491001, India

Latitude
21.1882733°

Longitude
81.2964409°

Local 04:11:36 PM
GMT 10:41:36 AM

Altitude 295 meters
Tuesday, 11.03.2025



Durg, 57QW+3VH, 5 Banglows, Titurdiha, Bhilai, Chhattisgarh
491001, India

Latitude
21.1868483°

Longitude
81.2966762°

Local 04:09:44 PM
GMT 10:39:44 AM

Altitude 295 meters
Tuesday, 11.03.2025



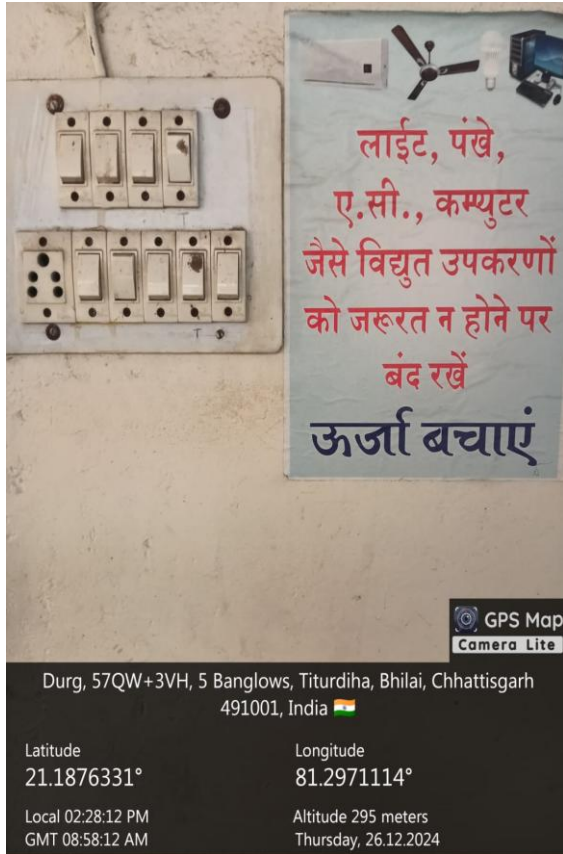
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DEPARTMENT OF PHYSICS			
SAVE ELECTRICITY			
COMPARISON CHART			
LED Lights vs. Incandescent Light Bulbs vs. CFLs			
FEATURES	Light Emitting Diodes (LEDs)	Incandescent Light Bulbs	Compact Fluorescent Lamps (CFLs)
Average life span	50,000 hours	1,200 hours	8,000 hours
Electricity used (for 60 Watts)	6-8 Watts	60 Watts	13-15 Watts
Lumens per Watt (Efficiency)	72 Lumens	15 Lumens	60 Lumens
Durability	Very durable	Not very durable	Not very durable
Annual Operating Cost	₹ 2,437	₹ 24,272	₹ 5,624
Turns on instantly	Yes	Yes	No
Heat Emitted	3.4 BTUs per hour	85 BTUs per hour	30 BTUs per hour
Carbon Dioxide Emission (by 30 bulbs)	451 pounds/year	4500 pounds/year	1051 pounds/year
Contains Toxic Mercury	No	No	Yes
Utility	Fastest growing lighting technology	About to phase out	Accessible and affordable energy efficiency option for homeowners

DEPARTMENT OF PHYSICS
USE SOLAR ENERGY

SUNLIGHT **Solar Panels**

BENEFITS-

- REDUCE YOUR CARBON FOOTPRINT
- SAVE MONEY
- REDUCE YOUR ELECTRICITY BILLS
- RECEIVE A SOLAR REBATE
- LOW MAINTENANCE