

SHRI VASANTRAO BANDUJI PATIL TRUST'S
**APPASAHEB BIRNALE COLLEGE OF
ARCHITECTURE, SANGLI**

(Approved by AICTE, C.O.A New Delhi, Affiliated to Shivaji University Kolhapur)
South Shivajinagar, Sangli Miraj Road, Sangli-416146. Ph. No- (0233) 2320294, 2322336.
Website- www.abcasangli.edu.in Affiliated: Shivaji University Kolhapur

Principal: - Dr. Arundhati P Wategave Ph.D.

7.1.2 The Institution 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



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(Approved by AICTE, C.O.A New Delhi, Affiliated to Shivaji University Kolhapur)
District – Sangli 416416

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

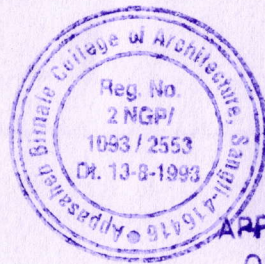
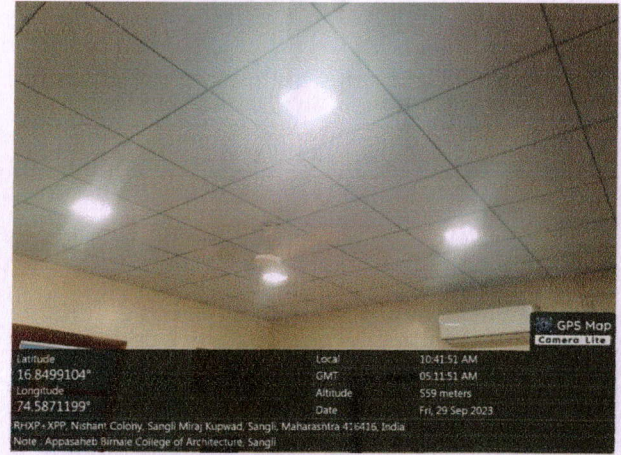
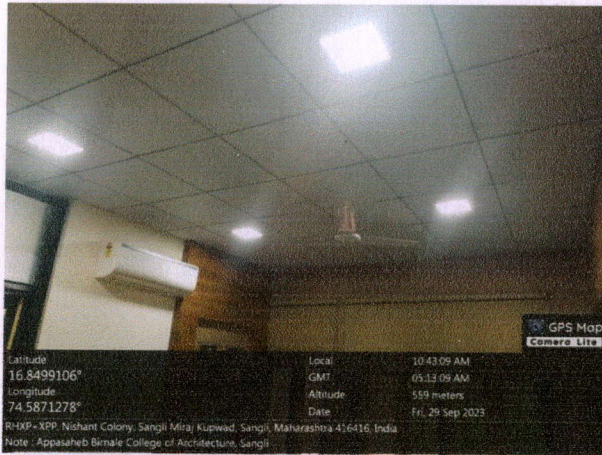
5. Use of LED Bulbs: Appasaheb Birnale College of Architecture, Sangli, is illuminated with 211 energy-efficient LED lights, including 3-watt bulbs and 40-watt tubes, ensuring sustainable and adequate lighting across all floors. The ground floor features 40-watt tubes in the reception, administration areas, and toilets, while 3-watt bulbs light the Director's and Principal's cabins. Classrooms, studios, and passages on upper floors are uniformly equipped with 40-watt tubes to optimize brightness for academic activities. The total power consumption with LEDs is 7.22 kW, compared to 11.18 kW if CFLs were used, achieving a **35.4% energy reduction** and saving **14,454 kWh annually**. This results in an annual cost saving of **₹86,724** (at ₹6/kWh).

The college is strongly committed to sustainability, as reflected in its eco-conscious lighting strategy, significantly reducing energy consumption and promoting environmental stewardship while maintaining functional, well-lit spaces for diverse academic and administrative activities. This initiative underscores the institution's dedication to fostering a sustainable future.

Floor Number	Location	Quantity	Type (Bulb/Tube)
Ground Floor	Director's Cabin	4	<u>Bulb</u>
	Principal's cabin	4	<u>Bulb</u>
	Reception area	3	<u>Tube</u>
	Courtyard	15	<u>Tube</u>
	Courtyard	20	<u>Bulb</u>
	Exam cell	5	<u>Tube</u>
	Survellying Room	4	<u>Tube</u>
	Administration Cabin	3	<u>Tube</u>
	Staff room	1	<u>Tube</u>
	Classroom 1	5	<u>Bulb</u>
	Classroom 2	5	<u>Tube</u>
	Passage (Near Staircase)	4	<u>Tube</u>
	Ladies' Toilet	1	<u>Tube</u>
	Gents' Toilet	2	<u>Tube</u>

First Floor	Library	12	Tube
	Passage	4	Tube
	Studio 1	5	Tube
	Studio 2	5	Tube
	Studio 3	11	Tube
	Studio 4	10	Tube
	Classroom 3	21	Tube
	Passage (Near Staircase)	4	Tube
	Second Floor	Studio 5	10
Studio 6		10	Tube
Passage (Near Staircase)		4	Tube
Classroom 4		10	Tube
Classroom 5		10	Tube
Ladies' Toilet		1	Tube
Gents' Toilet		1	Tube
Third Floor	Studio 7	6	Tube
	Studio 8	5	Tube
	Passage (Near Staircase)	4	Tube
	Ladies' Toilet	1	Tube
	Gents' Toilet	1	Tube
Total		211	

LED TUBES & BULBS in college campus:



Pratya
I/C. PRINCIPAL
APPASAHEB BIRNALE COLLEGE
OF ARCHITECTURE, SANGLI.