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Brief Report of LED bulbs/ Power efficient equipment

Invertis University is highly conscious about its Energy Efficiency and cost and has initiated several measures to reduce the energy consumption, which include replacement of conventional lamps with LEDs and replacing Non-Star ACs with five star AC's at various location.

5-star ACs have a better EER (Energy Efficiency Ratio) of 10.0 compared to 3-star ACs with an EER of 8.5 (1). A higher EER means that less energy is wasted during operation, which translates into lower electricity bills. Energy Efficient LED Lights offer reduction in the power consumption besides excellent colour rendering properties and high luminous efficacy. Lighting fixtures are installed in different areas and locations.

The energy efficiency and considerable lifespan of LED technology holds all the potential for changing the way organizations brighten their facilities by reducing the cost of electricity and overall energy used.

Installing LED lights has helped in saving energy to a great extent. They use 90% less energy than incandescent bulbs and lasts up to 40 times longer by offering high quality light output.

LED lighting fixtures are more beneficial for conserving the environment as they emit almost no heat or UV Emissions. These lighting solutions has helped a lot in maintaining quality light in campus, and helping in cutting down cost in comparison to the purchasing of regular incandescent lights.

The high efficiency and directional nature of LEDs makes them ideal for many uses. These has been installed in parking areas, walkways, classrooms, hostels, conference rooms, seminar halls, admin building, etc.

Few of the advantages of LED lights include:

1. Long Lifespan
2. Energy Efficient
3. Environmental friendly
4. The ability to operate in cold conditions
5. No heat or UV Emissions
6. Design flexibility
7. Instant lighting and the ability to withstand frequent switching
8. Low Voltage operation
9. Dimming capabilities

Advantages of 5-star ACs

1. They are more energy efficient, and save more power.
2. They have a high cooling capacity.
3. They are more powerful in terms of managing power fluctuations easily.

Details of LED Lights installed at various locations

SL. NO.	NAME OF PLACE	TYPES OF LIGHT	NO. OF LIGHT	COMPANY	WATT
1.	MAIN GATE	LED BULB	4	STANZO	40 W
2.	ATM SIDE BOUNDARY	LED BULB	23	STANZO	40 W
3.	GUARD ROOM SIDE	LED BULB	9	STANZO	40 W
4.	MAIN GATE LEFT SIDE WALL	LED LIGHT	1	HAVELLS	40 W
5.	MAIN GATE RIGHT SIDE WALL	LED LIGHT	1	HAVELLS	40 W
6.	POLE	LED LIGHT	1	HAVELLS	40 W
7.	ADMIN OFFICE MAIN ENTRANCE	LED LIGHT	5	STANZO	40 W
8.	VICE CHANCELLOR SIR'S OFFICE	LED LIGHT	9	STANZO	40 W
9.	ADMIN OFFICE	LED LIGHT	39	STANZO	40 W
10.	MARCOM OFFICE	LED LIGHT	11	STANZO	40 W
11.	HR OFFICE	LED LIGHT	13	STANZO	40 W
12.	ADVISOR ROOM	LED LIGHT	7	STANZO	40 W
13.	CONFERENCE HALL 1	LED LIGHT	7	STANZO	40 W
14.	CONFERENCE HALL 2	LED LIGHT	15	STANZO	40 W
15.	EXECUTIVE DIRECTOR SIR'S OFFICE	LED LIGHT	20	STANZO	40 W
16.	CHANCELLOR SIR'S OFFICE	LED LIGHT	12	STANZO	40 W
17.	ACCOUNTS OFFICE	LED LIGHT	12	STANZO	40 W
18.	BUS STAND SIDE	LED LIGHT	1	HAVELLS	40 W
19.	M-BLOCK SIDE POLE	LED LIGHT	2	HAVELLS	40 W
20.	FRONT OF PETROL PUMP	LED LIGHT	4	HAVELLS	40 W
21.	FRONT OF AUDITORIUM POLE	LED LIGHT	6	HAVELLS	40 W
22.	CRICKET GROUND UNIVERSITY BUILDING	LED LIGHT	6	HAVELLS	40 W
23.	FOOTBALL GROUND UNIVERSITY BUILDING	LED LIGHT	6	HAVELLS	40 W
24.	B.TECH BUILDING POLE	LED LIGHT	2	HAVELLS	40 W
25.	KAVERI HOSTEL (GIRLS HOSTEL)	LED LIGHT	45	HAVELLS	40 W
26.	OPEN AREA GODAVARI HOSTEL	LED LIGHT	6	HAVELLS	40 W
27.	HIMALAYA HOSTEL (BOYSHOSTEL)	LED LIGHT	40	HAVELLS	40 W
28.	HIMGIRI HOSTEL	LED LIGHT	40	HAVELLS	40 W
29.	NILGIRI HOSTEL	LED LIGHT	35	HAVELLS	40 W
30.	SHIVALIK HOSTEL	LED LIGHT	35	HAVELLS	40 W

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