

### 7.1.2 Report on Facilities for Alternative Source of energy and energy conservation measures

The University has established the following facilities for alternative source of energy:

1. Solar Energy
2. Wheeling to the grid
3. Sensor Based Energy Conservation
4. Use of LED Bulbs/Power efficient equipments

**Green Audit Report is part-3 page no 23** relating to Energy has certified the existence of following energy conservation measures in the University:

#### III- ENERGY (Extracts from Green Audit Report)

17. Ways that you use energy in your Campus.	Area of Uses		
	Electricity	Academic Blocks, Classrooms & Labs, Administrative Block, Hostels and Road Lights	
	LPG/Propane	Mess/ Canteen	
	Fuel Oil	Vehicles/ DG Set	
	Any Other	Solar Water Geyser and Solar Electric Plant	
18. Reduction in Energy Uses	Last Year(2019-20)	Current Year(2020-21)	
	Electricity	100695 Unit	40189 Unit*
	LPG/Propane	1825	578*
	Fuel Oil	35.5 Lac	24.5 Lac*
	Any Other	No	No
<i>*The high reduction in Energy Uses during FY 2020-21 is due to Pandemic Covid -19</i>			
19. How many LED bulbs has your institute/campus installed?	100 % of Total Conventional bulbs are replaced by LED Lights.		
20. Are any alternative energy sources employed / installed in your institute? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	Yes, 200 KW photovoltaic cells for solar energy and 8000 Ltr capacity Solar heater is installed.		
21. Do you run "switch off" drills at institute/campus?	Yes, "Switch off" drill is carried out on half yearly basis.		
22. Are your computers and other equipment's put on power-saving mode?	Yes, In Practice		
23. Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?	No, Clear instructions from administrations to all academic departments for sustainable use of electronic equipment		

Thus, the all the above facilities including Solar, Energy, Wheeling to the Grid, Sensor based energy conservation and use of LED bulbs are available in the University.

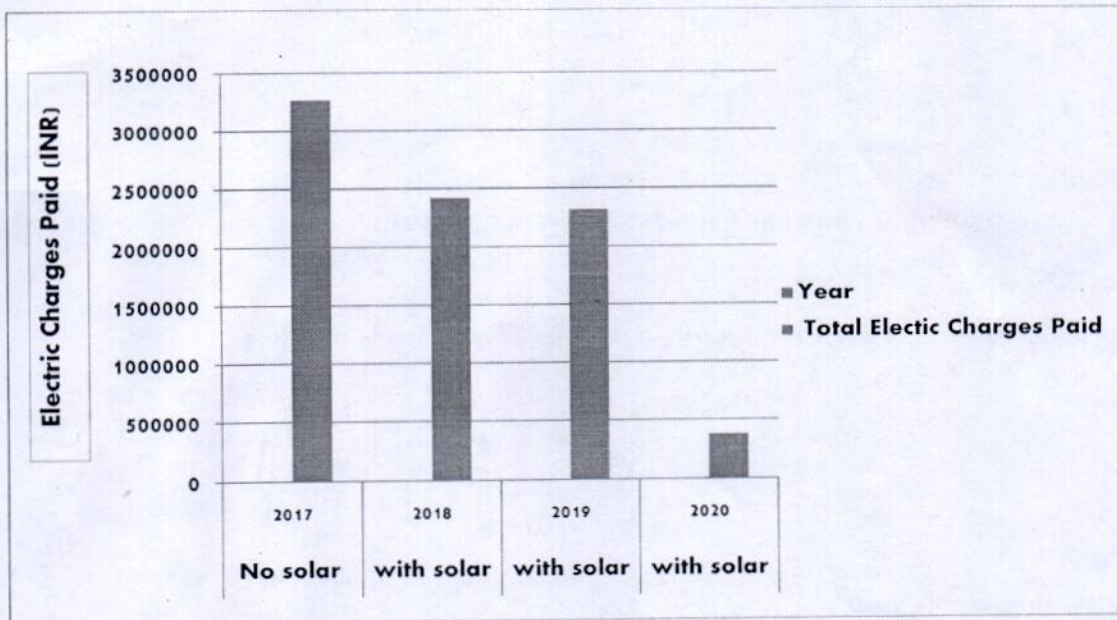
(Registrar)



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Registrar  
Jagan Nath University, Jaipur

**Electric Charges paid by the University: After installation of Solar Panel**

Sr. No	Month	Electric Charges Paid			
		No Solar	Solar Panel Installed		
		2017	2018	2019	2020
1	January	217233	236998	183616	65956
2	February	181938	88000	151452	751
3	March	204157	122394	124265	0
4	April	247669	177804	170941	61534
5	May	360945	189628	240797	54392
6	June	444812	341942	349197	0
7	July	355735	301476	369086	0
8	August	213876	248721	0	89101
9	September	333966	161221	184010	46210
10	October	382940	201251	263041	0
11	November	212048	200600	97085	0
12	December	110196	152278	189428	58463
<b>Total Electric Charges Paid (INR)</b>		<b>3265515</b>	<b>2422313</b>	<b>2322918</b>	<b>376407</b>



(Continuously Decreasing the Electric Charges which showed the Benefit of Solar PV Plant)



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