



Solar Power Plant reduces Rs 1 crore in University Electricity Bill

The Solar Power Plant installed in the University Campus reduces the University Electricity bill by 1 Crore during the period October 2018 – November 2020. The power plant generated 23.36 lakhs of unit. The monthly average electricity consumption in the campus is 3.73 lakhs of unit and monthly average solar power plant generation is 89858 kWh of electricity i.e. solar power plant meets 24 % of electricity requirement of the University during this period. An amount of 1.54 lakhs of unit of electricity also feed to the APDCL grid during this period.

Duration	APDCL Electricity (Grid) Consumption (kWh)	Solar Power Plant Electricity Generation (kWh)	Solar Power Export to APDCL Grid (kWh)	Total Electricity Consumption (kWh)	Amount paid to APDCL (Rs)
Oct - Dec 2018	950013	284432	0	1234445	7575832
Jan - Dec 2019	4251992	1064809	5175	5311626	32235627
Jan - Nov 2020	2322508	987079	149595	3159992	17513480
Total	7524513	2336320	154770	9706063	57324939
Duration	Amount Paid to APPCL for Solar Generation (Rs)	Total amount paid for Electricity (APDCL+APPCL) (Rs)	Amount payable based on APDCL Rate (Rs) (without solar power generation)	APDCL paid to Univ for Export Electricity (Rs)	Reduction in Electricity Bill due to solar power generation (Rs)
Oct - Dec 2018	502449	8078281	9509970	0	1431689
Jan - Dec 2019	2313920	34549547	39415907	18664	4885023
Jan - Nov 2020	2316637	19830117	23076413	565470	3811766
Total	5133006	62457945	72002289	584134	10128478

