

Update on Solar Power Plants in the Campus

1. The 3MW Ground Mounted Solar Power Plant installed near the riding field has completed its first full month of successful operation. The plant was commissioned on June 10, 2017 and generated **2,36,541 units** of electricity (kWh) in the month of June. During the month of July the total number of units it has generated is **2,53,605** despite heavy rains and disruption to the transmission line due to storm for about seven days in the month. The electricity generated by the plant is being fed to the university network via a dedicated transmission line installed from the solar plant to the 33kV substation near University Polytechnic.
2. The maximum generation for any day till now has been 15,587 units which has crossed even the most optimistic estimate of 15000 units for maximum generation on any day in the year. The plant is operating in grid connected mode which means the units generated by the plant leads to withdrawal of equally less number of units from the grid and if the plant were not operational these number of units would have been withdrawn from the grid.
3. Remaining part of the civil work including water drainage system is expected to be completed by the end of August 2017. After that the developer will continue to operate and maintain the plant at least for ten years which includes the security of the plant also.
4. Another solar power plant of 1.5 MW capacity has been installed in the campus under a scheme of Government of India. The plant has been installed and maintained by a developer identified by a Government body Solar Energy Corporation of India (SECI). Under this scheme the University has not invested any money and provided the roof tops of 16 buildings only. The university is purchasing electricity from the developer at a rate which is about 33% less than the present grid electricity rate and moreover this rate will remain fixed for the next 25 years irrespective of the increase in the grid rate. The plant has been operational since April 2017. The number of units generated in each month is given below:

| Month | Units Generated |
|------------|-----------------|
| April 2017 | 1,34,872 |
| May 2017 | 1,72,968 |
| June 2017 | 1,46,373 |
| July 2017 | 1,26,600 |

5. Infrastructure development is an integral part for the growth of an institution. A very well equipped Trauma Centre has been established by the ministry in the campus and a major part of it became functional before summer this year. Three large new halls of residences for students are also under construction. An important benefit of the solar plants is that the university may not need to get the connected maximum load limit enhanced. Before the plants became functional the maximum demand in the campus was about to reach the limit of 8.5 MVA.

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