

BEST PRACTICES 2019 - 20

Best Practice No 1. Water Conservation for Community Development:

Due to rampant construction outside the college premises, an existing water body and swamp used to dry up during summer months. The college took initiative to conserve the water body and rain water harvesting system was installed to collect rain water falling on the roof and the premises and this was diverted to the water body. This elevated the ground water level in the area. A bore well was constructed within the college premises, which pumps in Pure water through a borewell throughout the year and is used by the college, for all non potable purposes. Even the local community has taken advantage of this improved water level and have dug their own bore wells as well and happily get water throughout the year.

The institute encourages on conserving water through the following strategies:

- Sustainable approaches for implementation of innovative water-efficient technologies such as rainwater harvesting, treatment and reuse of water etc.
- Promote water efficiency practices to all the stakeholders in the campus.
- Monitor and minimize water consumption in the campus.
- Promote the culture of planting saplings in the campus every year by students and Faculty



Borewell



Borewell Meter

Best Practice No 2. Green energy and conservation of Environment.

Normally, electricity is generated through hydro-electric or thermal power generation system which over a period of time has led to environmental pollution and degradation. St. Paul College being an environmental friendly institution has installed a 10KV solar power generation system on its roof top. This is a green non polluting power generation system, wherein the entire power generated is transferred to State electricity grid. The power consumed by the College is adjusted against the power transferred to the state electricity grid and the excess consumed, if any, is billed accordingly. It is noticed that, particularly, during the summer months the power generated and transferred to the state electricity grid is more than that consumed at the college.

Objective of the practice –

- To meet the power need through green energy as much as possible
- Reducing Carbon Emissions

The Practices –

Our institution has made it possible to actually use solar energy in replacement of electricity generated by fossil fuels. Though the solar energy cost huge one time investment, it is a permanent solution to the environmental issues. Solar Panels doesn't release any emissions into the atmosphere, in order to generate electricity which means we have green and clean energy production together.

It is estimated that with the installed capacity of 10KV Solar Power, we would be able to meet approx 75-80 of our power needs through green energy in future.

Also, St Paul as a matter of policy have systematically replaced all its old tubelights with the energy saving LED tubelights.



Solar Panels Installed at Roof Top