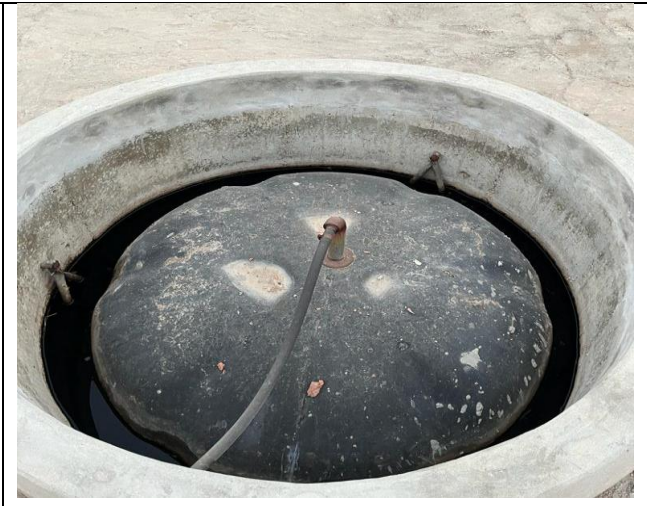


[2] Energy and Climate Change (EC)

[2.5] Renewable Energy Sources in Campus



1-PV System for Irrigation



2-Biogas Plant



3-PV System for Irrigation



4-Solar Tunnel Dryer



5-Solar System for irrigation (C-Block)



6-Solar Desiccant Cabinet dryer for fruits



7-Solar System Based Entomology Lab (A-Block)



8-Solar Desiccant Dryer for grains

Description:

Currently three renewable energy sources are available in campus i.e., Solar thermal (for the drying of agricultural products), Solar PV (to operate irrigation system and a lab), and biogas. Moreover, the energy team is also preparing the feasibility of tapping wind and mini hydro energy at campus.

- Solar PV: 18 kW installed or 52,560 kWh
- University is installing 500 KW or 1,460,000 kWh on grid PV system.
- Solar Thermal: 6.7 kW or 24,000 kWh
- Biogas Plant: 20 m³ day⁻¹ or 365 Kwh per year