

Agricultural Energy and Power Division

- A solar drying system for silk cocoon drying (50 kg / batch) has been developed.
- A solar assisted dehumidifier based dryer (20 kg/batch capacity) for drying high values crops has been developed.
- A pilot plant with 5 l/batch capacity has been developed for production of ethanol from agro residue (ground paddy straw and maize stalk).
- A biomass based power generation system has been installed at village Mana in Raisen District of Madhya Pradesh. The power generation system has capacity of 50 kW power.
- A mathematical model leading to computer software in Visual Basic has been developed for optimum selection of tractor-implement system.
- Cashew shells have been studied for their biochemical composition and combustion behaviour with a view to design efficient energy generation system.
- Vibrations transmitted from prime movers to operators have been characterized with a view to determine the methods of reducing vibration stresses on operators.

