

Center for Alternative Energy Resource (CAER)
Co-Ordinator: Dr. L Prasannakumar

The center for alternate energy resource, bio fuel information and demonstration center (BIDC) was inaugurated on 18.06.12. Under this center various activities are carried across. Few of them are like creating awareness on rain water harvesting, bore well recharging techniques, solar energy, bio-gas production using kitchen waste, bio-fuel, global warming, green environment water pollution, helping for preparing models in district and state level science exhibitions, plantation program of bio fuel plantation in and around Mandya district.

The above mentioned awareness program is for:

- School children's, college students, school teachers, college faculties.
- Farmers, self help groups, sthree shakthi sanga, public
- PWD engineers, municipality engineers,
- Youth organizations.
- The aims and objectives are:
 - Help government design and adopt bio fuel programmes
 - Implementation of such programmes in tune with the policy
 - Identification of suitable land for raising Bio fuels crops
 - To ensure total participation of the communities
 - To create awareness among the farmers to adopt bio fuel activities for their additional income.

The total grant for this center is about 45laks. The institute has set up bio fuel generation plant and it is also generating the bio diesel. The production of the bio diesel is increasing year after year. The produced diesel is sold at the cost of Rs. 55. From the byproducts soap, liquid soap, phenol, neem mosquito ripple are marketed by the center.

Future prospectus of this center is to study on removal of bitterness from bio fuel cake, so that it can be used as domestic animal fodder as well as fish fodder. Techniques to develop removal of Nimbuddin from Neem oil, it is important medicinal value. To produce bio fuel soap. To produce bio fuel mosquito ripple.