

ENERGY CLINIC

A Women oriented Energy Conservation Programme

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ENERGY MANAGEMENT CENTRE(EMC)

- Autonomous Centre, Department of Power, Government of Kerala (GoK),
- Established in 1996, First of its kind in the State level
- National Award winners for Energy Conservation Activities
- Activity includes
 - ★ Energy efficiency in all sectors
 - ★ Energy Conservation Awards
 - ★ Innovative program for awareness creation
 - ★ Environmental planning
 - ★ 'Energy Clinics' for housewives
 - ★ Energy Clubs for students....

LOW ENERGY FUELS COMPOUND HEALTH PROBLEMS OF WOMEN

- Firewood and cow dung are low energy household fuels
- More energy has to be spend by the housewife in relation to the fuel
- Low energy fuels used in Indian households are worst indoor pollutants

INDOOR POLLUTION AND HUMAN HEALTH

Indoor pollution is related to

- acute respiratory illness
- Asthma
- COPD- Chronic obstructive pulmonary disease
- ? Coronary heart disease
- ? Cancers

A polluted environment causes psychological stress

WHY TRAINING FOR WOMEN?

Rural women:

- ◉ Live under Poor Conditions
- ◉ Have lower literacy rate
- ◉ Little scope for income generation
- ◉ Spent more time in Kitchen for cooking
- ◉ Live in drudgery
- ◉ Suffer from ill health

STILL

Women are the Managers of

- Water
- Energy and
- Sanitation

ENERGY CLINIC...

- Is a energy conservation awareness workshop for women, run by women volunteers trained by EMC.
- The implementation of the program requires two stages of knowledge transfer, first from EMC staff to women volunteers, second from the volunteers to women in rural communities.

HOW WILL YOU SELECT.....

- ◉ Invite 30 to 40 Women volunteers from each district
- ◉ minimum qualification as 10th Std or more
- ◉ Volunteers should be able to understand the topics and should be able to deliver what she learned
- ◉ Conduct a half day training programme
- ◉ Conduct a test on the basis of the training
- ◉ Those who pass the test can be selected

HOW WILL YOU SELECT.....

- Let them take three or four classes in two month
- Call the volunteers back and provide a refresher training
- Give hand outs, exhibits, ID card and reporting form
- A remuneration of Rs. 200 or Rs.250 can be fixed per class and at least 40 women to attend
- Details should be forwarded to the Centre for releasing the money

Thapabharani (Thermal Cooker)





Thermal Cooker
fabrication training

Refresher Training on
Energy Conservation

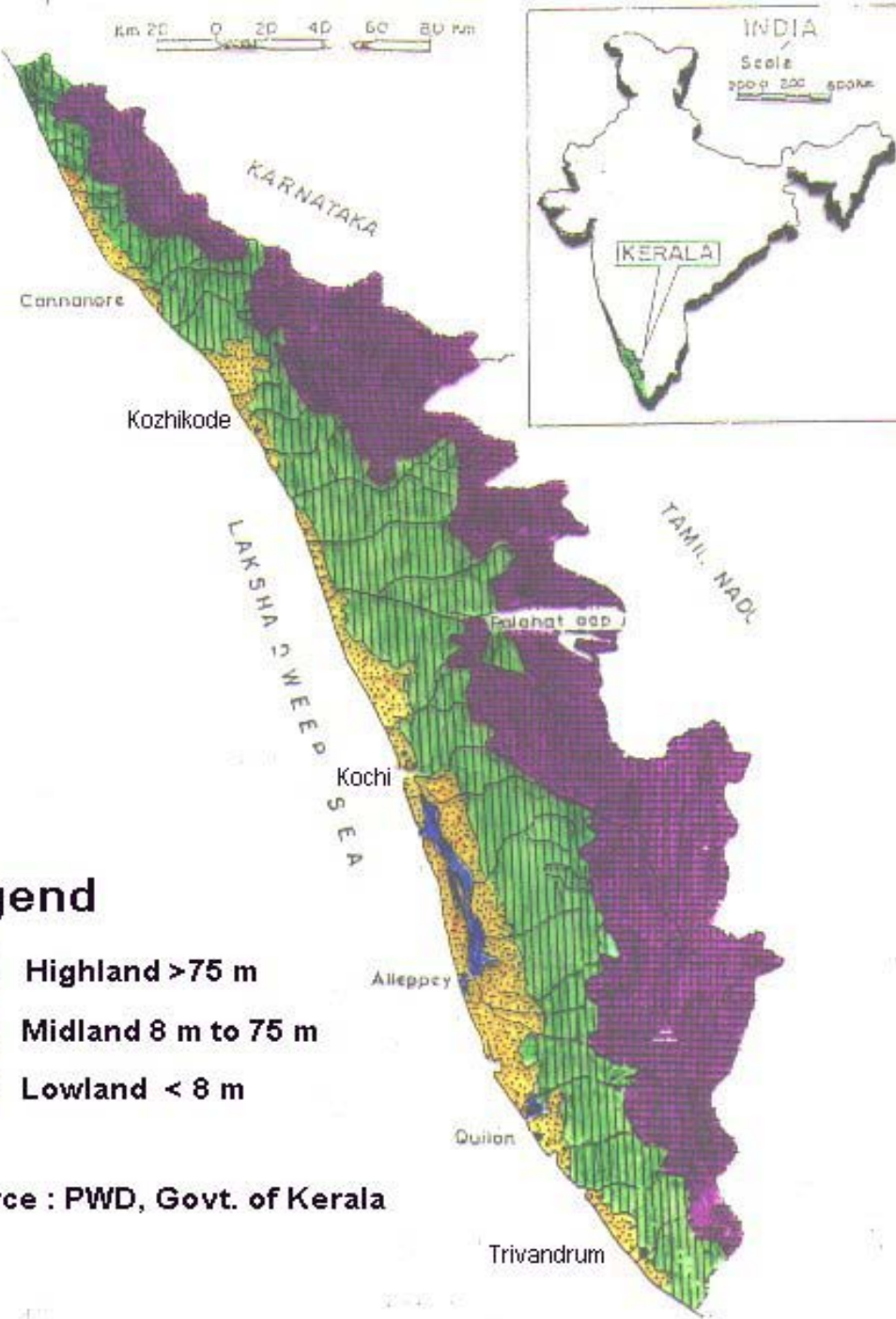


SAVINGS

Type of Fuel	Bi monthly Consumption		Savings
	Without Oorja-2	With Oorja-2	
Firewood	360 Kg	180 Kg	180 Kg
LPG	2 Cylinder	1 Cylinder	1 Cylinder
Kerosene	14 litres	5 litres	9 litre

social benefits:

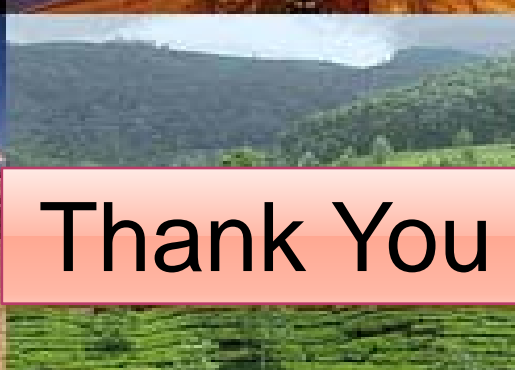
- **Savings in fuel and fuel costs @ Rs. 78 per family per month.**
- **Reduction of cooking time by one hour**
- **Utilisation of saved one hour for other activities**
- **Improved health condition**
- **Reduction of GHG emission**
- **Savings in import of Petroleum products**
- **Involvement of Self Help Group (SHG) for poverty alleviation**
- **Focussing on deforestation**



The Green and Violet areas are hilly areas

- ❖ Highest literacy rate
- ❖ Low birth rate
- ❖ Density of Population 819/Sq. km
- ❖ Life expectancy – 73 years
- ❖ Highest HDI among Indian States
- ❖ Female to Male – 1.058
- ❖ Total fertility rate 1.66

- ✓ Government of Kerala is planning to establish a Centre of Excellence in Women in Energy in EMC. This Centre will provide a comprehensive training on Energy Efficiency and its conservation of all forms of energy used in the houses and its environmental impacts.
- ✓ Obtained Two Hectors of land for the construction of Head Quarters building and training Institute.
- ✓ We seeks your support and guidance
- ✓ Together we can make our lonely planet safe for living for the future generations..



Thank You