



## Training Course on "Rope Pump: Production, Installation and Operation & Maintenance"

The Multi Piston Pump – popularly known as the **Rope Pump** – is made of locally available materials and it can be maintained easily by the users. The basic elements of a **Rope Pump** are an endless rope with conical shaped pistons or flat round shaped pistons made of rubber at every meter. The rope with pistons is rotated by means of a wheel. In this way water is lifted between the pistons to the surface. The pump can supply water from depths of 1 m to 35 m and can be a sustainable solution for getting drinking water to villages where fresh water is available in shallow aquifers. It can also be used for pumping up water for irrigation. With new design inputs and modern material the **Rope Pump** has become very efficient.



### Features of the Rope Pump:

- **Water can be lifted from depths of 1 metre to 35 metres.**
- **The rotating movement avoids dynamic forces, a problem in traditional deep well piston pumps**
- **Repairs can be easily done by users or local caretakers.**
- **It is affordable – in India a Rope Pump cost around Rs.2,100. The total cost of a pump and a tubewell of 15 m costs around Rs. 5,000.**
- **Because of its low cost and simple design this technology is readily acceptable to wide range of public. Evaluations show that, if introduced properly, over 90 % of the pumps work, even 10 years after installation.**

**Organisers:** The training course is being organized under the **Green Post-Tsunami Action (GPTA)** project funded by the **European Commission** and implemented by the lead NGO, **Humana People to People India (HPPI)** in partnership with **Ekoventure**, a local NGO and **Practica Foundation** from The Netherlands in 60 coastal, agricultural and fishing villages of Tamil Nadu in Cuddalore, Villupuram, Kanchipuram and Thiruvallur Districts.

The training course is designed in such a way that the participants are provided with hands on training in all aspects of production, installation and O & M of the rope pump. The participants will have very good opportunity to learn by practically doing each and every step involved in the process.

The training course consists of interactive lectures, PowerPoint presentations, field trips, group works and group discussions side by side.

**Duration:** 3 days from 23<sup>rd</sup> to 25<sup>th</sup> September 2008

**Venue:** In Puducherry & Villupuram District, Tamilnadu (will be intimated later)

### Course Costs:

The course will be offered at a nominal charge of Rs.1,500 (Rupees One thousand and five hundred only).

The project will provide boarding and accommodation for the entire duration of three days, arrange for field trips and supply of course materials like handouts, literature and manual.

### Registration:

To register for the course, please contact at [k.gaur@humana-india.org](mailto:k.gaur@humana-india.org) or [ekoventure@dataone.in](mailto:ekoventure@dataone.in)