



NEWSLETTER, SPRING 2007, BANGALORE

Ah! Spring, or is it? World's top scientists have confirmed that Global warming is happening. They have blamed emissions from Coal fired electricity and Oil guzzling travel habits of the human race as the main culprits driving climate change. Massive cuts in CO₂ emissions are required to stabilize life on planet earth, warns the UN implicating coal and oil usage.

But are we ready and willing to discard the freedom of electricity and mobility?

The young people, Mitra has been interacting with, don't think so and don't want to, therefore willing to understand how to retain that independence, without sacrificing the planet. We have together discussed and discovered the world of renewable energy technologies, grass-roots solutions, small scale industrial applications, even CDM and financial models. The process of learning has begun. The conscience, we are convinced, was always there. Meanwhile, the organisation is taking shape, funds are trickling in, the website is up and running and our young number-crunchers have deduced that by installing four 100 liter solar water heaters at CFL campus, the students have achieved a reduction of approx. 5.2 mt of CO₂ emissions per year for next ten years. Ah! Spring!

1. BUILDING ENERGY CONSCIENCE

Carbon Neutral Campus Program



- **4 Solar water** heaters (100 liters each) were installed at Center For Learning, Magadi, from part of the funds raised from the 'Walk to School' (www.cfl.in). The school is keen on achieving their vision of a carbon-neutral campus and are expanding the Re capacity on the campus.
- **400 liters of solar heated water per day will save 8 MW/year of electricity, which is a co₂ reduction of 5.2mt/year for next ten years.**
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- **Energy Efficiency** and Renewable Energy design inputs for the architecture of Drishya, a school for underprivileged children in Bangalore.

Communication & Awareness



www.mitrafoundation.org, our website was launched on 14, November, 2006. Rahul Gonsalves, our web designer and a former student of Centre For Learning (CFL), worked closely with Adarsh and Seema to ensure that the site is informative, interactive and replete with information on energy efficiency and renewable energy. The site will be constantly updated every 3 months.

Ensure energy efficiency for all your appliances at home and work check out [what appliances consume.](#)

Designed an energy audit and a renewable system sizing program, for training and application purposes.

Program Development:



(Mitra Wind turbine for school demos)

- A simple and informative 45 minute power point presentation based on Standard XI syllabus, which incorporates class games and half-day campus audit program has been developed and is ready for use.

Working models - Miniature working models of a Wind turbine and a bio-gas generator have been completed for school demonstration purposes. These will supplement our solar cooker and solar lamps required for the program.

- **KREDL**, the Karnataka state authority on Renewable Energy has given Mitra Foundation a recommendation letter to conduct programs in schools in Bangalore.

2. FUND RAISING :

- Individual contribution :

- Helen Gullick ran the Bombay Half-Marathon and raised funds from friends and colleagues for Mitra Foundation to the tune of Rs.29,500
- Trustees contributed an additional amount of Rs.10,000 to the initial sum of Rs. 45,000 to enable daily operations.

-Institutional contribution :

- Global Green Grants - USD3500 approved and awaiting transfer in Mitra FCRA account, pending Ministry approval.
(<http://www.greengrants.org>)

3. ADMINISTRATION :

- Mitra & FCRA Bank Accounts opened
- Prior Permission FCRA application for Green Grant funding filed with Home Ministry.
- 80(G) applications submitted
- Half-yearly accounts audited

4. HUMAN RESOURCE DEVELOPMENT

- Adarsh Vansay attended the International training program at Mithradham Renewable Energy Centre, Kerala www.mithradham.org

5. WE ARE LOOKING FORWARD TO

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Installation of Solar powered night study center for SSC and HSC students, managed by the senior citizens affiliated to Peepal Foundation. Pune.

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The launch of our Bangalore School Programs in June 2007.

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Happy Holidays!

*Seema Merchant
Adarsh Vansay*

Mitra Foundation

To promote environment friendly, socially just and sustainable models of development by focusing on alternative technologies and lifestyle solutions.

Mitra Foundation is a charitable trust registered under the Indian Trust Act 1882; Registration Number: BkIV/317/06-07

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