Rajiv Gandhi Renewable Energy Park (RGREP)

www.energycentre.in
Apr 2010; Open and Fully Functional
Energy Centre ...about the project

Rajiv Gandhi Renewable Energy Park (RGREP)

- Nodal Energy Centre developed by Haryana Renewable Energy Development Agency (HAREDA), with support from Ministry of New & Renewable Energy (MNRE) and BEE

- Managed by Advit Foundation, - Promotes energy efficiency, renewable energy, climate mitigation (carbon neutral options) and environment friendly technologies for benefit of civil society and industries
Rajiv Gandhi Renewable Energy Park (RGREP)
- Solar passive building, demonstrating several green architecture features
- Off-grid campus, generating the required electricity by solar energy
- Facilities:
  - 1.6 acres of campus area
  - Well maintained lawn space
  - 2 Training rooms – equipped with projector, TV & sound system; capacity of 25 people in each
  - 2 rooms with models and games
  - Roots – A low carbon slow food cafe
  - The shop – Climate change adaptation and mitigation products
# Energy Centre

- **Harness**
  - Create awareness among citizens about Environment Conservation & related areas

- **Accelerate**
  - Demonstrate and help adoption of new technologies to achieve measurable goals in the above areas

- **Educate**
  - Build capacity at various levels

- **Support**
  - Support by creating a market platform for their products/services
  - Support marketing efforts
  - Create monitoring and feedback mechanism
Our Methodology — multipronged approach

Adopting RE and EE technologies that indirectly have positive impact on environment in general and climate change in particular.

- **Holistic and Creative approach**
  - build awareness
  - initiate actions

- **Ideal venue**
  - To enable and engage in adopting renewable energy technology options
  - EE and RE to exhibit
  - Service providers in EE and RE architecture
Current affiliations

- EE posters - ADEME/ Robert Angioletti - 12 posters designed by BCIL and Advit
- Display products – Su kam, TATA BP Solar, Easy to Commute, Pluss polymers, Schneider, Enablers and Enhancers,
- NGO’s – Centre for Media Studies, IRRAD, Shristi, Search Years
- Architecture information – EDS, Space design consultants, Sanjay Prakash and Associates, Kalpakrit
- Su kam inverter
- Lightning protection system
Energy Centre — awareness initiatives

- >15000 people in 10 months
- Films on RE, EE and CC from Centre for Media Studies
  - Catalogue of >25 nominated films
- Green birthdays – with a pledge to go renewable
  - Hosted about 15 birthdays
- Energy efficiency as a holistic approach
  - Organic farming and CC
  - Water conservation
  - Composting
  - Education on materials for energy conservation
- Low Carbon Café – Roots
Well equipped rooms with models and games
Green Birthdays
Community awareness programmes
Organic food and Climate Change

RWA Meet on Energy Efficiency
Energy Centre

• >75 industries have consulted on RE technology
• Industrial trainings – Cleantech Conclave
• Energy efficiency awareness for industries
• Partnered to prepare guidelines for designing energy efficiency for Apparel Industries – project for GTZ
• Fixed type solar cooker making workshop – rural entrepreneurs
• Energy audits – facilitated 11 investment grade energy audits in the last 1 yr
- Energy efficiency awareness programme, Feb 2010
- Cleantech Conclave, Apr 2010
- Designing energy efficiency for apparel industries
70 schools and 10 colleges visited in the last one year.
> 3000 children made aware of the RE technology.

The activities include:

- a brief about RGREP (accompanied by a film)
- awareness on energy efficiency and climate change
- hands on with the models and games
- special workshops – science projects (making of a solar cooker, assessing a RE equipment vs a conventional equipment, etc)
School Programme
Almost every weekend hands on workshops are conducted for children and adults – energy efficiency in a holistic approach

The workshops include:

- being energy efficient - natural holi colour making
- learn to audit your house and school
- convert your pizza box into a solar cooker
- learn to reuse products and save energy
- importance of organic farming and climate change – learn to do your own composting
- carbon offsetting plantation
- Home composting
- Paper bag making
Energy Centre  ...planned initiatives

- Promotion of waste segregation and recycling to reduce carbon emissions
- Carbon offsetting through plantation – tree plantation drive
- Setup of library and information center with magazines, books, CDs on RE, CC
- Competition among children on Green Innovations in the sphere of EE, RE and climate mitigating options
- Energy mela, street play and musical events for promoting RE, EE, green buildings, climate responsibility poster exhibition
- Solar installations
Energy Information Centre
Energy Centre  

...special visits

Networking and handholding for sustainability -

- French Embassy
- ADEME
- Chief Minister, Haryana
- Minister of Power, Haryana
- Financial Secretary, Dept of Renewable Energy, Haryana
- Deputy Commissioner, Gurgaon
- Swedish Embassy
- CEO, TATA BP Solar
- CEO, SuKam
Energy Centre  ...self sustainability

Strategic steps:

• Getting corporates on board - CSR, events
• Independent of government financial support
• Converting shop into CC mitigation and adaptation shop – giving more choice to consumer
• Initiating a café to serve as a meeting ground
• Improved infrastructure
• Regular events

...........idea is to get people to revisit; make it an evolving place
Improved facilities
CC adaptation and mitigation products
Energy Centre

...challenges

- Self sustainable to raise revenues for large projects
- Convert to profit centre to enable long term growth
- Encourage corporates to contribute financially
- Make it a one stop place for information
- Offer handholding between RE companies and students for career options
- Creation of projects on RE and energy efficiency for school children

Think Globally, Act Locally
Energy Centre

...learnings

- BEE to create a **brand name** for such centres
- Have an **monthly calendar** of events – now in place
- Creation of RGREP logo
- Creation of **handouts**/ flyers
- Registration of a **website** – www.energycentre.in
Add Value to Your Event!

Organize Your Events @ RGREP

RGREP Energy Centre

Visit the Energy Centre
(An off grid building generating electricity from Sun! - 15 MW solar power generation)

- Learn about various renewable energy generation methods by operating models - Wind, Solar, Biomass

- Attend interactive trainings, workshops on energy efficiency & importance of Renewable Energy

- See musicals & documentary films on environment

- Play the energy quiz

- Ride solar cars

Managed By

Advit Foundation

Knowledge Partner

Green Stratos

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Web: www.energycentre.in, For details, call us at 0124-2575616
Focus on Climate Change Mitigation & Adaptation through Renewable Energy options

- Awareness Camps & Outreach Programmes on Renewable Energy
- Community led Drives on Energy Efficiency
- Bringing Govt. initiatives to Community level
- Implementing CSR initiatives for Corporates
- Platform for Industries to Exhibit Renewable Energy & Energy Efficiency products
- Training programmes for Industry

Activities

- Solar Car Rides
- Film Screenings
- Energy Festivals
- School Visits
- Theatre/Music/Dance Evenings
- Workshops
  * Solar Cooking
  * Waste Utilisation
  * Kabaad Se Jugaad
  * Candle Making
  * Solar Baking
  * Painting
  * Craft
  * Music/Dance

For details, call us at 0124-2575616
Organize a GREEN Birthday and take a pledge to go renewable at The Energy Centre

Things to do:-
- Watch films on Climate Change
- Ride Solar Cars
- Play Energy Games
- Eat Low Carbon Food
- Paint Bird-Houses
- Make Puppets
- Plant a Tree
and much more...

for more info write to mathangi@energycentre.in