

## **ENERGY INFORMATION CENTRE(EIC), SECTOR-29 GURGAON.**

The State Level Rajiv Gandhi Renewable Energy Park has been set up at Leisure Valley, City Centre, sector-29, Gurgaon 1.6 acre land with the objectives to create awareness among the masses about the new technologies developed in area of renewable energy, to demonstrate the working of these technologies through working models & to educate masses/students regarding applications of various renewable energy sources, energy conservation and their socio-environmental benefits. The Park has been set up at a cost of approx. Rs.2.5 crore with Rs.72.66 Lac coming from the Ministry of New & Renewable Energy Govt. of India and an amount of Rs.114.34 Lac from the State Government. The building of the Park is designed on the concepts of solar passive architecture. The Park has a 10kW solar power plant to cater to its entire basic energy requirements. The Park was inaugurated on 20.08.09.



To augment the facility for a better use, the idea of setting up an energy Information Centre(EIC) was conceived during interaction with the ADEME, France and the BEE, Gol on the lines of similar set ups in France. Awareness in the area of energy conservation in the State has reached to a level where unbiased and fair advisory services for general public on energy conservation are desirable. The BEE provided one time financial assistance of Rs.7.3 lac for the same and the balance cost of Rs.7.7 lac was borne by HAREDA. A list of exhibits at the Park is at annexure-I. Some specific models for the EIC have been developed at the Bio-diversity Council of India Ltd.(BCIL), Bangalore.



For running the energy park in a professional way, HAREDA had to explore many options. HAREDA was not in favour of running the energy park in a typical government way. HAREDA was also not in a favour of running the park through a corporate house to maintain its neutral and unbiased character. Knowing that a specialized NGOs in the field of energy efficiency and renewable energy are limited in numbers in India, finding a NGO at Gurgaon was difficult task.

Therefore, HAREDA invited expression of interest through press. After a rigorous exercise to verify the credentials of the NGOs who had applied, HAREDA identified a competent NGO M/S Advit Foundation, Gurgaon. HAREDA has signed a management agreement with M/s Advit Foundation in October 2009 for a period of three years. Advit shall not only run and manage the Park but also pay a fixed rent to HAREDA in addition to sharing of profit from the second year onwards.

To facilitate M/s Advit Foundation to run the RGREP in a smooth and hassle free manner, a **District Level Committee (DLC)** under the chairmanship of the **Deputy Commissioner, Gurgaon** has been constituted with the Administrator, HUDA, the Additional Deputy Commissioner, the District Education Officer, the Project Officer (RE) and one or two eminent persons having interest in the field as members.

The Advit Foundation has launched a website of the park ([www.energycentre.in](http://www.energycentre.in)) and is continuously upgrading its activities. A Café has also been started at the premises. The Café is eco-friendly by using organic food, implementing renewable energy appliances/devices i.e. solar cooker (for cooking), solar water heating system (for hot water requirement), solar photovoltaic system (for lighting system) are using at present and also recycle/reuse of waste water is also going to be implemented to minimize the wastage of water. A gift shop is operational at the premises where one can buy green, energy efficient and renewable energy novelties.



Advit is regularly organizing visits of students to the Park, workshops on energy efficiency and renewable energy, training programmes and special events like Energy Fair etc. From October 2009 to March, 2010, students from about 25 schools have visited the park. In addition to this about, 5000 visitors have visited the park. A two day Energy Fair was recently organized in April 2010 which was, inaugurated by Hon'ble Power & RE Minister, Haryana. The Fair was also visited by DG, BEE and other officers.





Hon'ble Power & RE Minister, Haryana speaking in the inauguration ceremony of the Energy Fair



Musical Evening at the Energy Fair

**ANNEXURE-I****LIST OF EXHIBITS IN THE RAJIV GANDHI RENEWABLE ENERGY PARK AT GURGAON**

<b>Sr. No</b>	<b>Name of items</b>	<b>Qty.</b>
	<b>PART-A Renewable Energy</b>	
1.	Solar Water Heating System of 200 LPD capacity	01
2.	Solar Cooker (Box Type)	02
3.	Solar Cooker (Dish Type)	01
4.	Solar Dryer	01
5.	Solar Still	04
6.	Solar Photovoltaic Pump (1800 watt PV array capacity)	01
7.	Solar Photovoltaic Street Lights (with minimum of 74 watt peak PV module each)	25
8.	Wind Charger (30 watts)	01
9.	Solar Cars	04
10.	Energy Slip –cum-Electric Generator	01
11.	Solar PV Lanterns with 10 watt PV module each	03
12.	SPV Domestic Light with 37 watt PV module each	04
13.	Solar Educational Kit	01
14.	Biogas Plant (Cut Model) (Deenbandhu and KVIC)	02
15.	Musical Power Exhibit	01
16.	Energy Matching Machine	01
17.	Solar Colour TV with VCR and Refrigerator	1+1+1
18.	Solar Photovoltaic Power Plant (10 KW capacity)	01
19.	Computer based energy games, quiz and mechano set (computer set, Pentium 4 and server with three terminal nods.)	03
20.	Energy Conversion Models	1
21.	Model of Geothermal Power Plant	1
22.	Power Generating Drum	1
23.	Different working models of Hydro turbines except cross flow turbine	4
24.	Solar Radio	1
25.	Working model of SWH	1
26.	Fogging system	1
27.	Roof Cooling system	1
28.	Multimedia projector	1
	<b>PART-B- ENERGY INFORMATION CENTRE</b>	
1.	ECO Home	1
2.	How energy efficient are you	1
3.	Measure your carbon footprint	1
4.	Console Game: Thermal comfort	1