

PRAKRITI ECO-SCHOOL
Project Completion Report



AN ENVIRONMENT AWARENESS AND EDUCATION
PROGRAMME FOR CHILDREN AT RAJIV GANDHI RENEWABLE ENERGY
PARK, GURGAON



February 2011 – September 2014

Implemented by:



Supported by:



1. Project Background

The Prakriti Eco School is an environment education programme for schools, initiated by Advit Foundation and supported by IKEA. The project is located at the Rajiv Gandhi Renewable Energy Park, Gurgaon, in the neighborhood of IKEA Gurgaon. This park also named Prakriti Eco School is a state level renewable energy information centre run and managed by Advit Foundation. It has 10KW solar roof top installation, a number of RE models and an energy efficient building design.

The project is aimed at generating environmental awareness among children. Participatory approaches are used to engage children and generate awareness about the environment. The eco-school is open to all students and children with a desire to participate in the workshops. These together help children become more aware of our resources, limitations, conservation and sustainability.

2. Project achievements

Over the last three years and a half years the project has impacted 40,000 children, directly and 1,50,000 indirectly. The eco-school project has been making use of a variety of workshops and interactive sessions to meet its objectives and fulfill its aims. One of the biggest achievements of the project has been that more than 300 schools and colleges have visited the eco-school during a span of 3 yrs of the project.

3. Project activities

A number of interactive workshops, discussions, hands on experience and neighbourhood implementation activities have been undertaken under this project. A large number of school have been invited to the Eco school. Sessions have been organized at the Eco school as well as at the schools.

School Visits coordinated are as follows:

Over the span of the project, children from various schools have visited the Prakriti Eco-School. The age groups of students visiting ranged from primary school to senior school. A unique mix of activities, workshops and interactive sessions of activities are carried out with the visiting children.

A list of school visits coordinated at the eco-school in the last 18 months are as below:

S.No	Name of School	No. of students
1.	Shiv Vani Models sr. sec. school Mahavir Enclave,Dwarka	45
2.	Shiv Vani Models sr. sec. school Mahavir Enclave,Dwarka	47

3.	Shiv Vani Models sr. sec. school Palam	44
4.	Shri Ram School Aravali,Gurgaon	45
5	Shiv Vani Models sr. sec. school Mahavir Enclave,Dwarka	54
6	Shiv Vani Models sr. sec. school Mahavir Enclave,Dwarka	55
7	Chiranjiv Bharti School PalamVihar	31
8	Shiv Vani Models sr. sec. school MahavirEnclave,Dwarka	56
9	Shri Ram School Aravali,Gurgaon	56
10	DPS Sushant lok-1	26
11	SpringdalesDhaulakuan	20
12	Pathways World School Aravali	57
13	Pallvanjali Shona road	8
14	Pallvanjali Shona road, Blue bells school	30
15	Suncity World School	26
16	G.S.S.S Kherkidaula	24
17	G.S.S.S Badshahpur	24
18	Shikshantar	75
19	G.S.S.S Farrukhpur	15
20	G.S.S.S Kadirpur	23
21	G.S.S.S Sector4	20
22	CCA School sec.4	24
23	G.S.S.S Chakarpur	35
24	G.S.S.S Dhankot	22
25	G.S.S.S Chakarpur	50
26	Vidya School	40
27	G.S.S.S Sector9	40
28	G.S.S.S Bhimnagar	24
29	G.H.S Sikanderpur	44
30	Govt.Sr secondary school	50
31	G.S.S.S rambas	20
32	G.H.S. Buchawas	42
33	G.M.S Naurangabad	50
34	G.H.S Chappra	10
35	CCA School, Gurgaon	150
36	Sarhaul Senior Secondary School, Gurgaon	80
37	Government Model Senior Secondary School, Gurgaon	70
38	Government Girls High School, Gurgaon	50
39	Suncity World School	400
40	GMS Kahlpa	11
41	G.S.S.S Kathura	10
42	G.S.S.S Jamalpur	50
43	G.G.H.S Kheri	50

44	G.M.S Gudha	10
45	BEO-CUM BRC	120
46	Modern child puplic school Nangloi	47
47	OPG world school,Dwarka	45
48	Govt High school, Rewari	50
49	BEO-CUM BRC	120
50	XSEED Preschool	45
51	DPS Noida	116
52	DPS Noida	82
53	DPS Noida	110
54	DPS Noida	71
55	DPS Noida	71
56	DPS Noida	70
57	DPS Noida	78
58	GGHS Basirpur	57
59	Elegant ChildrensAcademy,Gurgaon	60
60	Shalom Hills international school	13
61	Pathways World School	28
62	Aravali Foundation	53
63	Modern School	61
64	Shriram School	83
65	Shriram School	78
66	Deep Foundation	12
67	Pathways school	19
68	Pathways school	67
69	The Millenium School	60
70	Shriram School	39
71	Shriram School	37
72	Ardee school	37
73	Shriram School	38
74	Pathways school	11
75	Seholars pride public school	92
76	K.R. Manglam	10
77	ManavRachna international	68
78	The Heritage school	50
79	The Heritage school	57
80	Sri venkateshwar international	109
81	Matrikiran	80
82	Suncity world chool	180
83	S.N. Sidheswar	165
84	S.N. Sidheswar	140

85	S.N. Sidheswar	156
86	Lion public school	119
87	Dronacharya college of engineering	55
88	Shikshantar	79
89	Cluster innovation centre, du	15
90	Excelsior American school	28
91	Dronacharya college of engineering	90
92	DPS international	18
93	walia travel house	113
94	The Pinnacle school	20
95	Laxman Public School	153
96	Laxman Public School	122
97	S.N. Sidheswar	151
98	S.N. Sidheswar	150
99	Laxman Public School	97
100	Laxman Public School	123
101	Laxman Public School	130
102	The pinnacle school	22
103	D.A.V public school faridabad	87
104	Laxman Public School	103
105	Laxman Public School	66
106	Laxman Public School	54
107	ITL Public school	32
108	St. thomas school	14
109	Shri Ram School	90
110	Shri Ram School	85
111	Ridge Valley	44
112	Lancers international	15
113	Aravali foundation	57
114	Pathways world school	56
115	Apeejay Satya university	7
116	K.R. Manglam	9
117	Pathways world school	53
118	Amity global school	41
119	KunkapskolanGurgaon	31
120	Gurgaon Valley school	21
121	Lady Shriram college for women, DU	49
122	Lady Shriram college for women, DU	50
123	Laxman Public School	110
124	St. Marys' School	50
125	Laxman Public School	120

Workshops & Activities

A multitude of workshops and interactive sessions are used to directly engage students at the eco-school. They comprise a variety of hands-on activities, movie screenings, discussions, tour of the exhibition among many others.

a. Cooking

The workshop on solar cooking involves using the sun's energy to cook a meal. The students are given a live demonstration of the activity using the appropriate apparatus and safety equipment.

b. Bird House Making

Children are taught how to make a bird house using waste and discarded materials that are easily available. This not only engages them in a creative activity but also adds to developing in them sensitivity towards nature and the environment.

c. Rainwater Harvesting

Thus activity engages children in making small keep-at-home rainwater harvesting structures from old materials such as shoe boxes etc. It teaches conservation of resources and is a creative way in which we can minimize our waste generation.

d. Energy from Potatoes

Children were taught through a do-it-yourself kit how to build a small model house and power it through energy of a potato. Such activities plant the seeds of curiosity in young minds and give them an opportunity to explore vast possibilities.

Project Expansion

The Eco School programme has also been expanded to underprivileged schools in Gurgaon. Along with undertaking awareness sessions on water conservation, managing waste we set up vegetable garden in schools. The initiative aims "To set-up vegetable gardens as an initiative to reduce one's Carbon Footprint by growing their own food and maintaining the purity of air by undertaking tree plantation."

1. Setting-up a vegetable garden in the selected project area to encourage children to grow their own food, thereby conserve energy and take back vegetables that feed the entire family
2. Planting trees to purify air and nurture the environment, while reducing Carbon footprint.



A Few Glimpses



A tour of the exhibition and Renewable Energy models

Solar Cooking on Parabolic type cooker



Making bird houses from trash



Harnessing energy from potatoes



Solar car rides at the eco-school



Vision Ahead & Project Sustainability

The financial assistance from IKEA has helped in setting-up a platform for the Eco School programme. Now the Eco School Project has taken the form of a programme that is self-sustainable and replicable.

- The Eco School is housed at the Rajiv Gandhi Renewable Energy Park (RGREP) – an energy information centre managed by Advit Foundation.
- Advit would expand the Prakriti eco school activities at the National Institute of Solar Energy, Govt of India at GwalPahari.
- The events and workshops organised as part of the Eco School will continue to be organised. A nominal participation fee will be charged from participants that will help sustain the programme.
- Advit is also partnering with other corporate partners for funding and expanding this programme.
- An attempt to create *model schools* through workshops and various outreach activities will be continued. The following framework has been framed to enable achievement of these goals.

