

**Eco Village Development Plan**  
**of**  
**Village Keori, Block Baijnath, District Kangra,**  
**Himachal Pradesh**



Department of Environment, Science & Technology  
**Government of Himachal Pradesh**  
**Paryavaran Bhawan, US Club, Shimla-171001**

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## **Model Eco Village- a brief note**

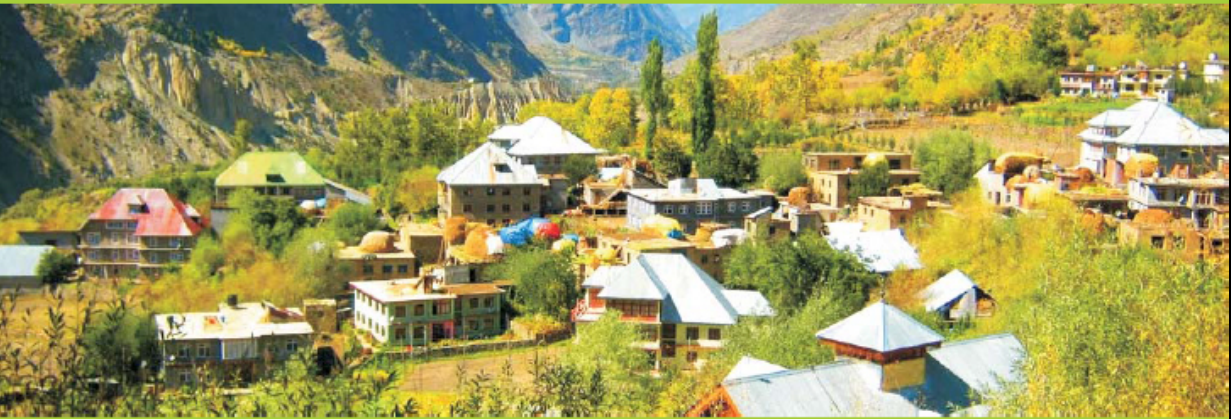
The Government of Himachal Pradesh has notified a Model Eco Village Scheme vide notification No. STE-A(3)-4/2016-L dated 26/9/2017. This scheme is being implemented by the Government of Himachal Pradesh through Department of Environment, Science & Technology & concerned Block Development Office and district administration aiming to ensure sustainable development in an organized and integrated manner. The programme endeavors to sustain prosperity in villages, that is built around sustainable use of the key natural resources of a village, through the adoption of low-impact practices that result in water security, food security and livelihood security for the village communities.

Under this scheme a village will be developed to promote transformative action and achieve sustainable development through environmentally responsible and responsive practices in the area of water management, waste management, energy conservation, management of natural resources, climate change action and sustainable livelihoods. This approach will not only help those stakeholders who are working to implement sustainable community development programme but also will set benchmarks for others to adopt and bring a radical change in thinking process of the communities at large in the State, especially in inculcating environmentally responsible behavior.

# Himachal Pradesh Model Eco Village Scheme



An environmentally sound & sustainable  
community development programme



This scheme is to be implemented in the selected village with the total financial outlay of Rs. 50 lakhs to be utilized over a period of 5 years as per the annual plan of action. Of this total outlay DEST shall provide a grant of Rs. 20.00 Lakhs per selected village to meet expenditure on execution of the recommended preparatory actions and funding of critical gaps. The balance funds as may be required over Rs. 20 Lakhs for activities shall be garnered through convergence and utilizing budgets from concerned line departments, district administration, etc. under various relevant ongoing Government schemes.

## **Eco Village Development Plan (EVDP)**

As per the guidelines of the scheme an Eco-Village Development Plan (EVDP) for village Keori, Block Baijnath, District Kangra has been prepared by DEST integrating all the components and existing programs/schemes in operation in the village. The Plan has been initially drawn up for implementation in five years. The village level plan has included a Situational analysis, Baselines, Resource Mapping. All prescriptions are based on gap assessment & analysis taking into account the base line status of various environmental aspects pertaining to the actionable components and an annual component wise break-up of the activities. The EVDP has been developed through consultative and participative process, different from conventional planning.

## **Process of EVDP**

- Identification & Selection of village
- Collection of baseline information (primary & secondary, consultations)
- Resource mapping
- Situational analysis -gap analysis - actionable points
- EVDP - Budget Provisions

## **Village Level Management Committee**

In order to coordinate and guide the implementation of model eco village scheme in identified village Keori, Gram Panchayat Keori, Block Baijnath, District Kangra, a Village level Management Committee of village Keori has been constituted. The composition of the Committee is as follows:

President/Pradhan/Up-Pradhan (Gram Panchayat Keori )	Member
Representative of DEST	Member
Elected Member of Keori Village	Member
Representative of Forest Deptt./ Forest Guard	Member
Panchayat Secretary	Member

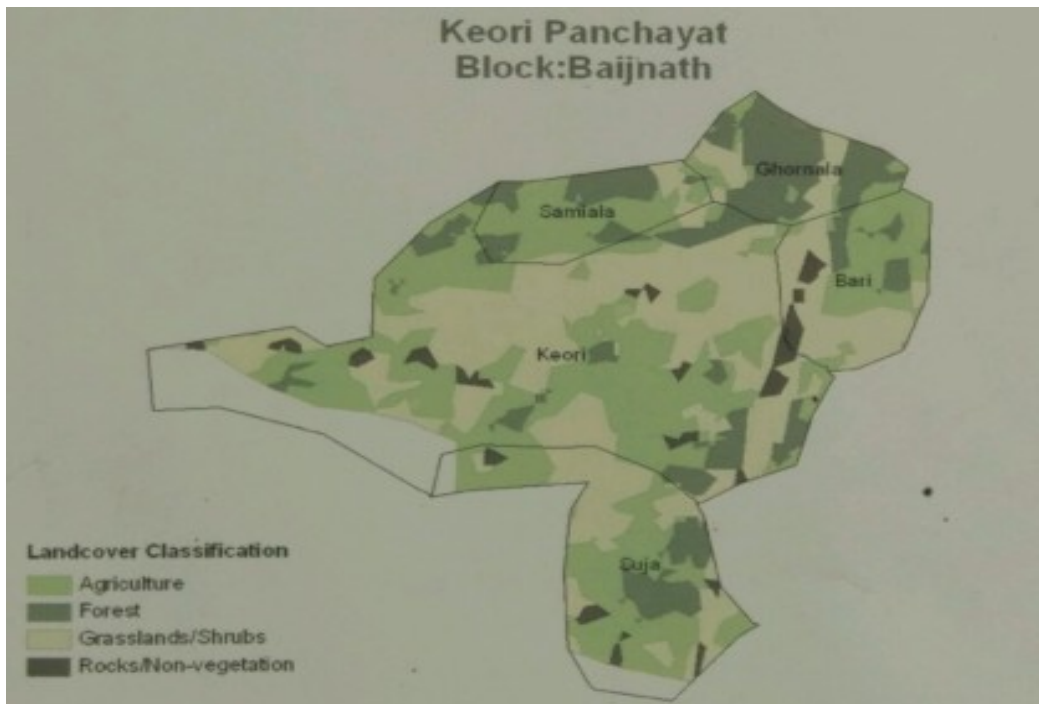
In addition to above members following will be the special invitees:

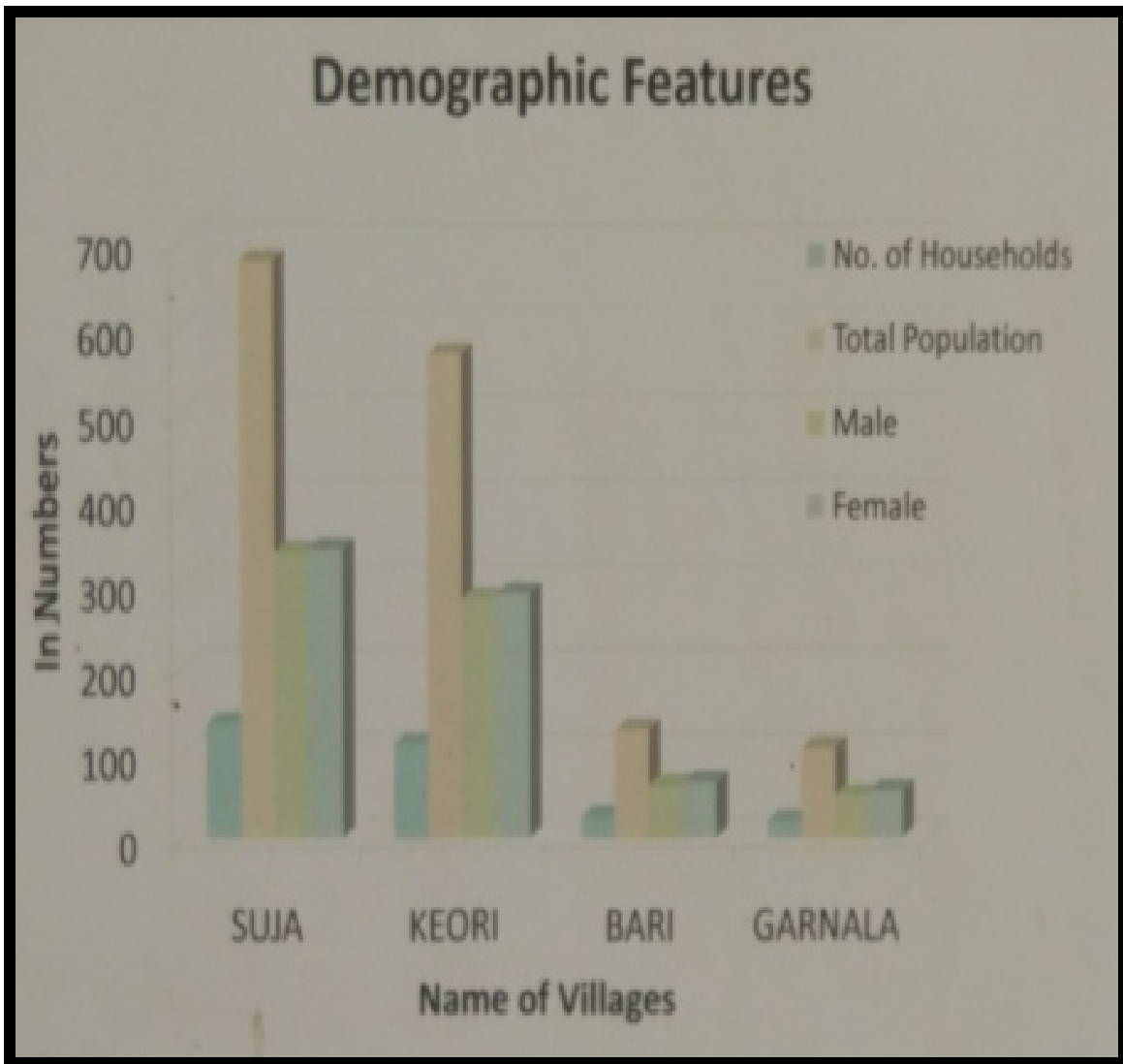
Representative of Agriculture Department	Special Invitee
Representative of Horticulture Department	Special Invitee
Representative of Revenue Department	Special Invitee
Representative of Him Urja	Special Invitee
Representative of Tourism Department	Special Invitee
Representative of PWD	Special Invitee
Representative of IPH	Special Invitee
In-charge Eco-club Government School	Special Invitee
Representative of Self Help Group,	Special Invitee

## **Description of the village:**

Keori Panchayat is under Baijnath Block of District Kangra, Himachal Pradesh. Panchayat has four villages i.e. Keori, Suja, Badi and Ghodhnanala. Total population of the Panchayat is about

1630. Young generation of the village is interested in paragliding activities due to that the standard of living of the villagers has increased in last years.





Village Keori is the centre of the Panchayat and placed just amid the keori khud and camping site of the paragliding. Every year number of national and international tourists came to this place. On the other side of the village a Monastery of Tibetan community is placed, which is famous in the name of Palpug Parabbling. This is also a educational and training institution of Budish community. People of tibetian community came here from different parts of the world for Budisht education. Monastery is the tourist point for all the visitors.

World famous paragliding site is just beside the village. Every year in the month of October paragliding competition is taking place here. This is also the site of paragliding world cup. Due to this activity this place is well known in the map of world.



There is a famous temple of Jamlu Devta ( Jamdagni Rishi), which relates to Malana village of kullu District. It beliefs that this place is the original place of Jamlu Devta but due to some unknown reason this place of Devta were shifted to Malana. Thakur community of the village still belief in the Jamlu Devta as their est god. Every year in the month of April the villagers celebrate a festival in the name of Jamlu Devta. All the villagers present their first crop to Jamlu Devta for showing their devotion.

Ghodnanala is a place on the opposite side of the village. A organization named Dharmalaya is working there from last many years. This organization provides skill development training for construction of low cost mud houses. Number of people came here to attend this training. People of this organization prohibit the use of milk and soap in their daily life, which is very strange.



## **Water resources of the village:**

In the village a natural spring of water is there, which has plenty of water and provides water to the village throughout the year. On the other hand there is other source of water i.e. Keori khud in the village, which also provides irrigation facility to the fields of the villagers.

## **Agriculture:**

Main crops of the village are Maize, Wheat, Rice, Potato and Peas. Income generated from these crops helps the village to strengthen the economy of the village. Villagers are not much interested in the horticulture, which should be prioritize with help of Horticulture Department.

## **Renewable Energy Resources:**

Villagers are not much aware about the renewable energy resources which can be used in the village. There are 07 solar lights and 2 solar geysers installed in the village. There is another proposal in the village development plan to install about 10 solar lights in the next year.

## **Solid Waste Management:**

As Keori is world famous paragliding site, due to which number of tourists visit this place throughout the year. Production of solid waste is much than the other villages. But Keori Panchayat has developed a mechanism to utilize this waste with the help of local people.



The Biodegradable waste will be utilized for the production of compost or can be given to their cattle's. On the other hand plastic waste is collected by the villagers in a room near panchayat ghar. And once in a month all villages came to this room and segregate the plastic. After segregation they prepare Chataiyan and Tokriyan from this plastic. They prepare some decorative things by introducing the empty wrapper of toffees and chips into the plastic bottles.

These decorative things are liked by the tourists also. Glass bottles are used in the construction of walls and remaining glass are sold as scrap.

There are 12 vermin composting units in the village, where cow dung of the village is utilized for preparation of compost. All these programs are run by the villagers without any government aid.



Panchayat has a target to construct vermin composting unit and soak pit to every house of the village.



### **Forest and Eco Management:**

Local people are in the favor of forestation and mainly mahila mandals has taken a decision that in the coming 2 to 3 years no one will explore the forest produce and if someone will found guilty he/ she will be charged with Rs. 500. Mahila mandals have very important role in the development of the village, and there is need to make two another mahila mandals in the village. There are 82 members in the mahila mandal.



## Ecotourism:

Under ecotourism there is a camping site near Keori khud, there is a requirement to construct a small bridge on the khud, which will enhance the movement of tourists to this camping site.

## Village level Smiti:

A local level smiti is formed by the people for forest and eco-management. Role of this smiti is to aware the people of the village regarding these activities.

## Smiti is composed of following:

Sr. No.	Name	Position	Ph. No.
1	Sh. Rajkumar	Pardhan	8894055606
2	Smt. Sumna Devi	Panchyat Member	9418729192
3	Sh. Ajay Lagwal	Forest Guard	9817213013
4	Sh. Shivjeet Sigh	Pancayat Secretary	9882364050

## Baseline Information

Name of Panchayat:- Keori

Block Name:- Baijnath

Name of District:- Kangra

### 1. Availability of Village Map:

Panchayat

### Land use map:

Panchayat

### Demographic profile:

i.	Total households:	159
ii.	Population:	663
iii.	No of males	337
iv.	No. of female	326
v.	No. of BPL families	032
vi.	Mahila Mandals	001
vii.	Yuvak Mandals	000
viii.	Self Help Groups	003

### 2. Agriculture:

i.	Major crops	Wheat, Maize & Peas
ii.	Marketing	Peas as per local demand

### 3. Horticulture:

i.	Major crops	Orange, lemon & other citrus plants
ii.	Marketing	As per local demand

### 4. Animal Husbandry:

i.	Families involved in Animals husbandry:	114
ii.	Livestock:	1215
iii.	Dairy Milk Productions:	Milk & Ghee in local

### 5. Socioeconomic Profile:

i.	Major: Horticulture <input type="checkbox"/>	Agriculture <input checked="" type="checkbox"/>	Animal husbandary <input type="checkbox"/>
ii.	Minor: Business <input type="checkbox"/>	Wage <input checked="" type="checkbox"/>	Govt. job <input type="checkbox"/>

**6. Members of Village Committee constituted to implement the Scheme(With details)**

Sr. No.	Name & Address	Designation	Contact Number
1	Sh. Raj Kumar	Pardhan Gram Panchayat Keori	88940-55606
2	Smt. Sumna Devi	Ward member Ward No. 3 Keori	94187-29192
3	Sh. Ajay Lagwal	Forest Guard Keori	98172-13013
4	Sh. Shivjeet Singh	Panchayat Secretary GP Keori	98823-64050

**7. Functional component of Eco-Village/activities to be undertaken:**

Sr. No.	Component	Status		
		Existing	Proposed	
1	Protection and conservation of Natural Water Sources	a) No. of water sources in the village	4	2
		b) No. of critical spring sources identified and prioritized for conservation	1	1
		c) No. of spring recharging structures available.	0	1
		d) No. of village level committees constituted to check the water sources.	1	1
		e) No. of awareness campaign in village previously conducted to protect/conserves the natural water sources.	2	1
		f) No. of studies conducted relating to the vulnerability of springs	0	0
		g) No. of climate resilient spring shed development plans		

		g) No. of village water security plans in the village	0	3
2	Adoption of Sustainable Agriculture Horticulture Practices			
	a) Crop Diversification and Traditional crops:	i. No. & Name of different crops grown in the village	Maize, Wheat, Peas	Onion, Cabbage, Potatoes
		ii. No. & names of the endangered or extinct crops of the village.	Maize	
		iii. Cereal/crop wise seed produced in the village	Maize & wheat for self use	
		iv. Cereal/crop wise seed procured from outside	Maize, Wheat, Potatoes & Peas	
	b) Organic farming	i. No. of farmers practicing organic farming in the village	15	159
		ii. No. of organic manure producing units in the village	16	159
	c) Farm Produce and Management Practices	i. No. of farm produce organizations.	0	1
		ii. No. & details of good practices		
3	<b>Water management and irrigation.</b>			
	a) Rain water Harvesting from Roof Tops	i. No. of roof-top rain water harvesting structures in the village	0	4
	b) Revival and Creation of water ponds/maintenance of water bodies	i. No. of water recharge bodies	2	2
		ii. No. of Check dams in the village	2	3
	c) Collection of treated waste water for farming	i. No. of households having tanks near houses to collect water from kitchen, which can be used for farming.	0	5

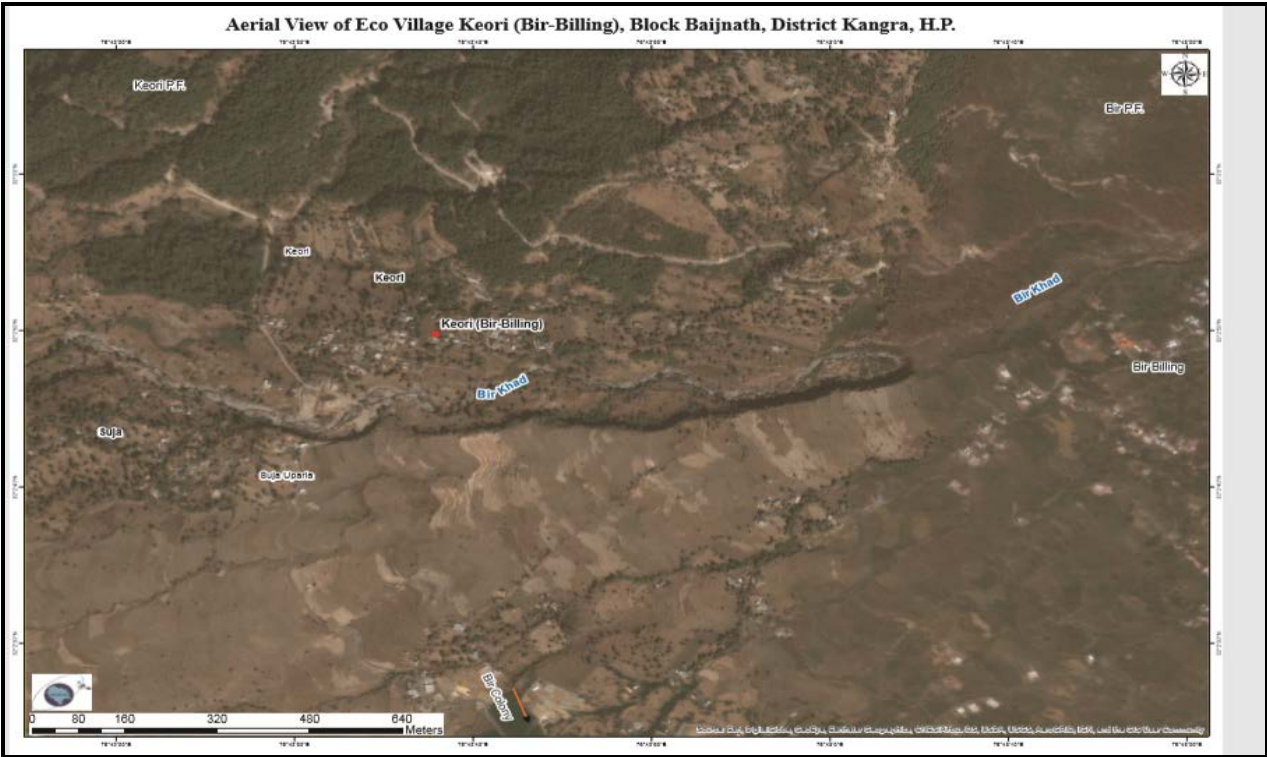
	d) Minimize water use through strict conservation practices-supply in sustainable manner:	i. NO. of water ponds constructed in the village	0	0
		ii. No. of farmers who have adopted sprinkling method in farming	0	6
		iii. No. of water management committees constituted in the village.	1	1
4	Adoption of Renewable Sources of Energy.	i. No. of Biogas plants in the village	0	2
		ii. No. of Solar Lights and Heaters in the village.	0	2
		iii. No. of awareness programmes conducted in the village about use of renewable sources of energy.	1	1
		iv. No. of Solar Pumps for lifting of water which is used for clusters	0	2
		v. No. of Solar Fencing done in the village farmland to protect it from stray/wild animals.	0	4
5	Solid Waste Management Cleanliness.	i. No. of villagers who collect Non-Bio degradable waste at one place and reused or sent for disposal through vendors.	0	1
		ii. No. of villagers who know & practice vermin composting techniques to degrade the Bio-degradable waste into manure.	12	159
		iii. No. of farmers who is aware of source collection, segregation and composing techniques.	124	159
		iv. No. & details of practices noticed where villagers re-used unwanted goods and materials.	136	159
		v. No. of community based groups (MM, YM, NGO, etc.) which are aware of	1	2

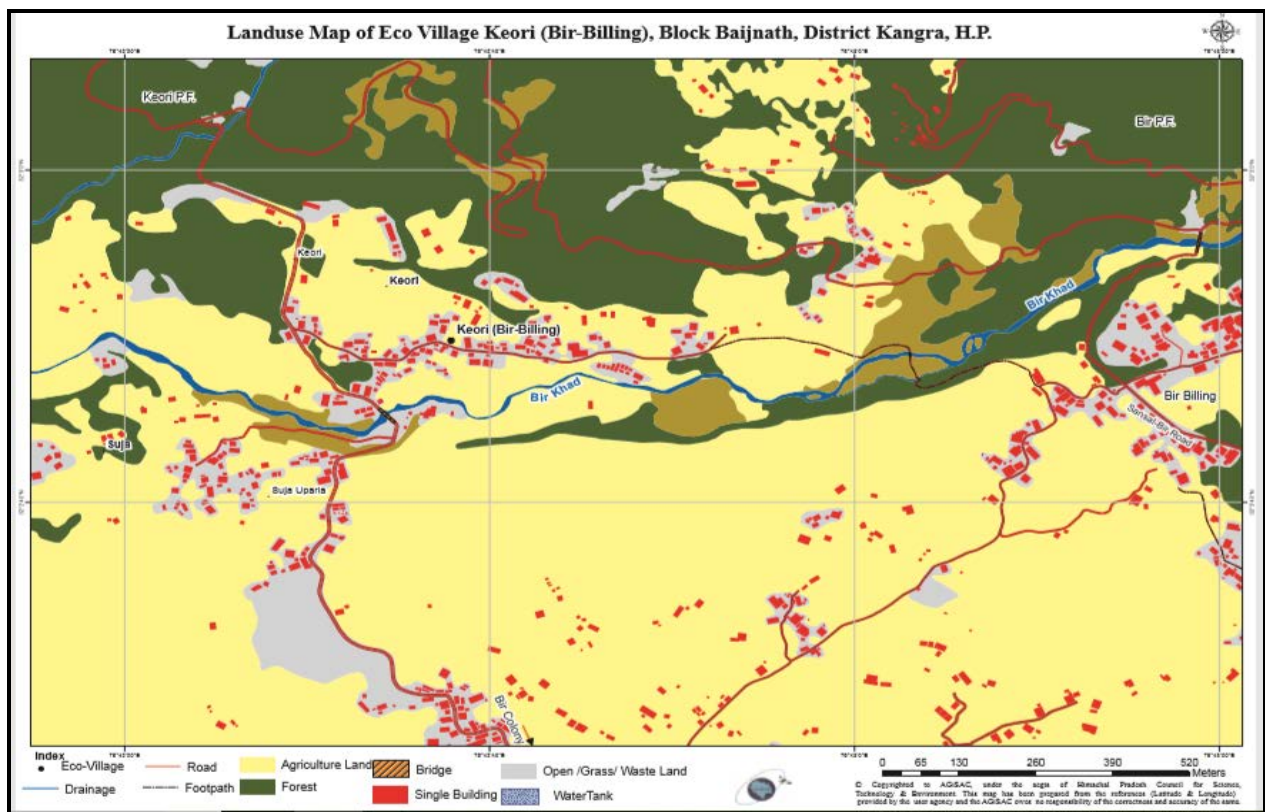
		solid waste management techniques.		
6	Forest Management and assured Eco Services	i. No. of areas adopted for plantation	1	1
		ii. No. of community based plantation campaigns undertaken	1	1
		iii. No. of plantations of fruit trees in the village.	89	500
		iv. No. of forest fire incident last year	0	
7	Undertake capacity building interventions.	i. No. of training conducted in village on Environmental issues.	0	1
		ii. No. of trainings and awareness modules available for villagers	0	
		iii. Village Bio-diversity group and register	0	

#### 8. Various ongoing schemes:-

Sr. No.	Head (MGNREGA)	Sanction amount	Expenditure for the year 2017-18	Estimated budget for the year 2018-19
1	Water Tank Panchayat Keori	500000	0	500000
2	Water Tank Sharvan Kumar s/o Tani Ram Keori	80000	0	80000
3	Vermi Compost pit 14 nos	126000	0	126000
4	Soak Pit 11 nos.	100000	0	100000
5	Check Dam near Panchayat Ghar	400000	285000	115000
6	Check Dam near GPS Keori at nalla	300000	0	300000
<b>14<sup>TH</sup> FC</b>				
1	Solid Liquid Waste Management	200000	0	200000

2	C/o Bawri in Payar Chand land	70000	0	70000
3	Solar Lights 5 nos.	100000	0	100000
4	C/o Kuhal & Danga Desh Raj house to Sohan Singh house	100000	0	100000





### Activities proposed for Eco- Village and Budget outlay

Sr. No.	Name of Activity	Estimated cost lakhs	Time line in for Completion.	Convergence with other schemes /with the name of Department.	DEST contribution in Eco-village
1	Solar Lights 1KW (2 Nos)	200000	July 2020	100000(14 <sup>th</sup> FC)	100000
2	Solar Geyser (12 Nos)	180000	October 2020	75000(Himurja)	105000
3	Biogas Plant(2 Nos)	200000	March 2021	100000 (MGNREGA)	100000
4	Plastic Shredding machine/napkin/ kitchen Waste etc.	1200000	May 2020	600000 (SBM)	600000
5	Water tank Jhagadkkut	150000	May 2020	50000(MGNREGA)	100000

6	Vermin-Composting Unit (14 Nos)	196000	June 2020	96000 (MGNREGA)	100000
7	Kuhal Keori Khud to village Keori	250000	March 2020	150000 (MGNREGA)	100000
8	Solar fencing for community	350000	March 2022	50000(MGNREGA)	300000
9	Construction of culvert near camping site Keori Khud	400000	January 2022	100000 (14 <sup>th</sup> FC)	300000
10	Welcome Gate at the boundary of Keori Village	100000	December 2020	5000( Sabha Fund)	95000
11	Plantation	150000	July 2020	50000(MGNREGA)	100000
<b>Total</b>		<b>3376000</b>		<b>1376000</b>	<b>2000000</b>

### Implementation Schedule

Sr. No.	Activities	Year of Implementation				
		Y1	Y2	Y3	Y4	Y5
1	Solar Lights					
2	Solar Geyser					
3	Biogas Plant					
4	Plastic Shredding machine/napkin/ kitchen Waste etc.					
5	Water tank Jhagadkkut					
6	Vermin-Composting Unit					
7	Kuhal Keori Khud to village Keori					

8	Solar fencing for community					
9	Construction of culvert near camping site Keori Khud					
10	Water cooler near Panchayat Ghar					
11	Plantation					