

Eco Village Development Plan

Village Changar, Block Bangana, District Una,
Himachal Pradesh



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

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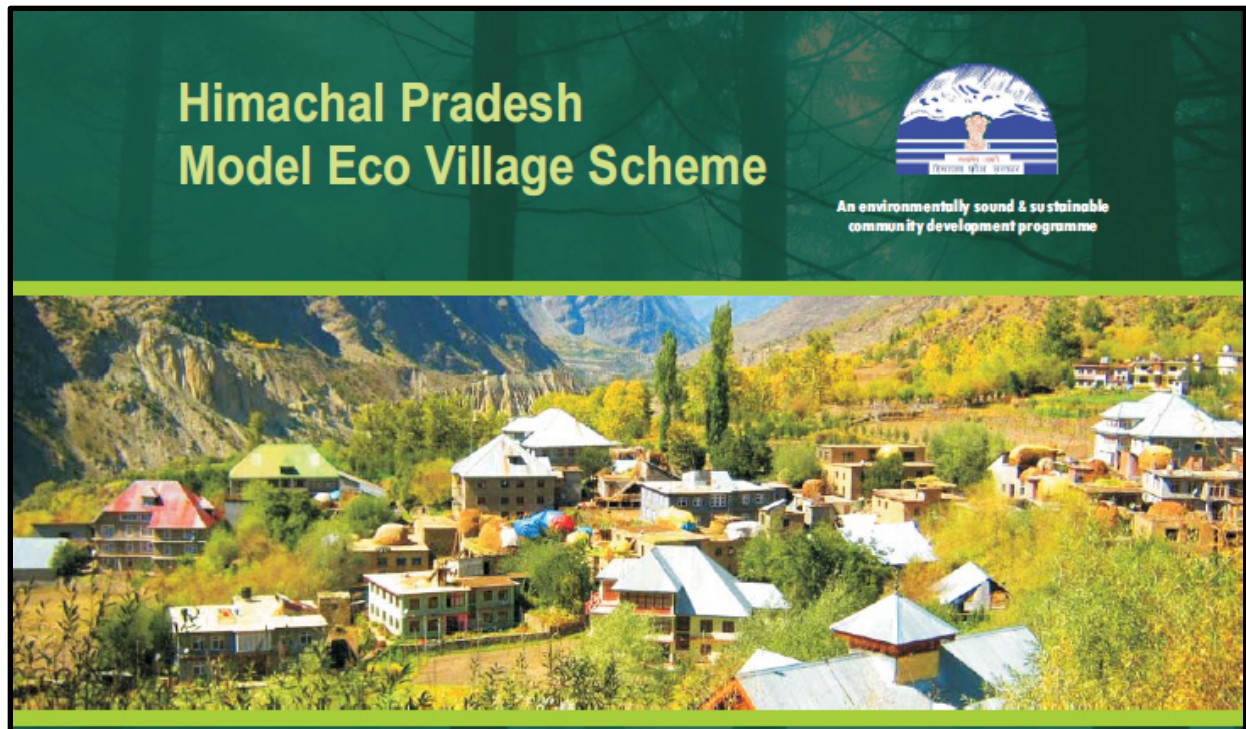
Model Eco-village Scheme- Brief Note

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.

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.

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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.

EcoVillage Development Plan (EVDP)

As per the guidelines of the scheme an Eco-Village Development Plan (EVDP) for village changar, Block Bangana, District Una 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 Changar, Gram Panchayat Changar, Block Bangana, District Una, 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 Changar)	Member
Representative of DEST	Member
Elected Member of Changar 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 Village:

The village is located at the bank of Nangal Dam on Satluj river. It is about 14 km from the Una district but it comes under the Bangana block of Una district. Village has lots of issue regarding developmental activities, but the main priority is drinking water.



Agriculture Horticulture & Animal husbandry

The economy of villagers of village Changer is mainly based upon the Agriculture. Maize and Wheat are the major crops and the source of earning. Mango and Orange are the horticultural crops in the area. The marketing of all the crops done on local level. All families (about 170

families) involved in Animals husbandry. Farmers are using chemical fertilizers in Agricultural



fields. They are not fully aware about the negative impacts of the chemical fertilizers. Some of the farmers are using cow dung as fertilizer and applying it directly in the fields. However, some farmers reported that impact of pesticides used by them mainly on traditional crops. They reported that after use of these pesticide even simple grass will grow in next three years.

Protection and conservation of Natural Water Resources

There about 3 to 4 natural water resources in the village, which is not in use due to lack of water. There is no water security plan in the village There is one Village level committee to check Water Sources. No Spring Recharging techniques has been adopted for the revival of springs. Vulnerability analysis of spring has not been done. Two Awareness Camps has been conducted so far, regarding conservation of natural water resource.

Water Management and Irrigation

There are 20 rain water harvesting tanks in the village but none of them are in working conditions as they are constructed for ground water recharging purpose. No check dams are constructed in the village anywhere. There is no tank constructed for collection of treated waste water for farming. There is one water management committee in the village and two ponds are constructed for conservation of water. Sprinkling methods of irrigation are not used by the farmers.



Adoption of Renewable Sources of Energy

There are 20 solar lights installed in the village. There is no biogas plant, solar pump, solar fencing used in the village. There is no system of collection and disposal of Solid Waste. No

villager are there, who know the vermin-composting technique. No farmer are aware about the source collection, segregation and composting techniques. No villager know, how to reuse unwanted goods and material. There are no community based group, which are aware about SWM.

Forest Management and Eco-Services.

There are 2 areas adopted for Plantation and no community base campaign has been undertaken. Villagers have planted 50 fruit trees in the village. No forest fire incidence has been recorded in last year. No training/ awareness modules are available to villagers. Biodiversity register is also not available.



Baseline Information

Name of Panchayat:- Changer

Block Name:- Bangana

Name of District:- Una

1. Availability of Village Map:

Panchayat

2. Land use map:

Panchayat

3. Demographic profile:

- i. Total households: 235
- ii. Population: 962
- iii. No of males 490
- iv. No. of female 472
- v. No. of BPL families 030
- vi. Mahila Mandals 001
- vii. Yuvak Mandals 001
- viii. Self Help Groups 002

4. Agriculture:

- i. Major crops Wheat, Maize
- ii. Marketing As per local demand

5. Horticulture:

- i. Major crops Orange, Mango.
- ii. Marketing As per local demand

6. Animal Husbandry:

- i. Families involved in Animals husbandry: 170
- ii. Livestock:
- iii. Dairy Milk Productions: Milk & Ghee in local

7. Socioeconomic Profile:

- i. Major: Horticulture Agriculture Animal husbandry
- ii. Minor: Business Wage Govt. job

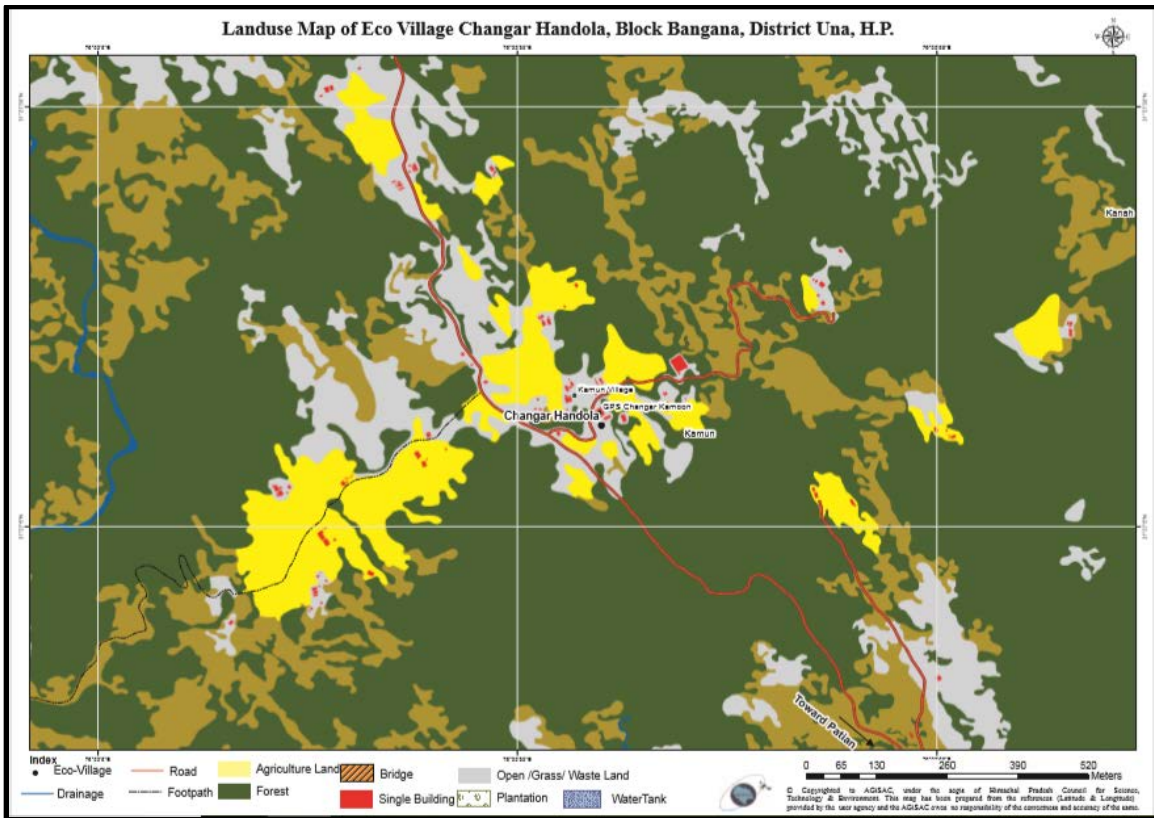
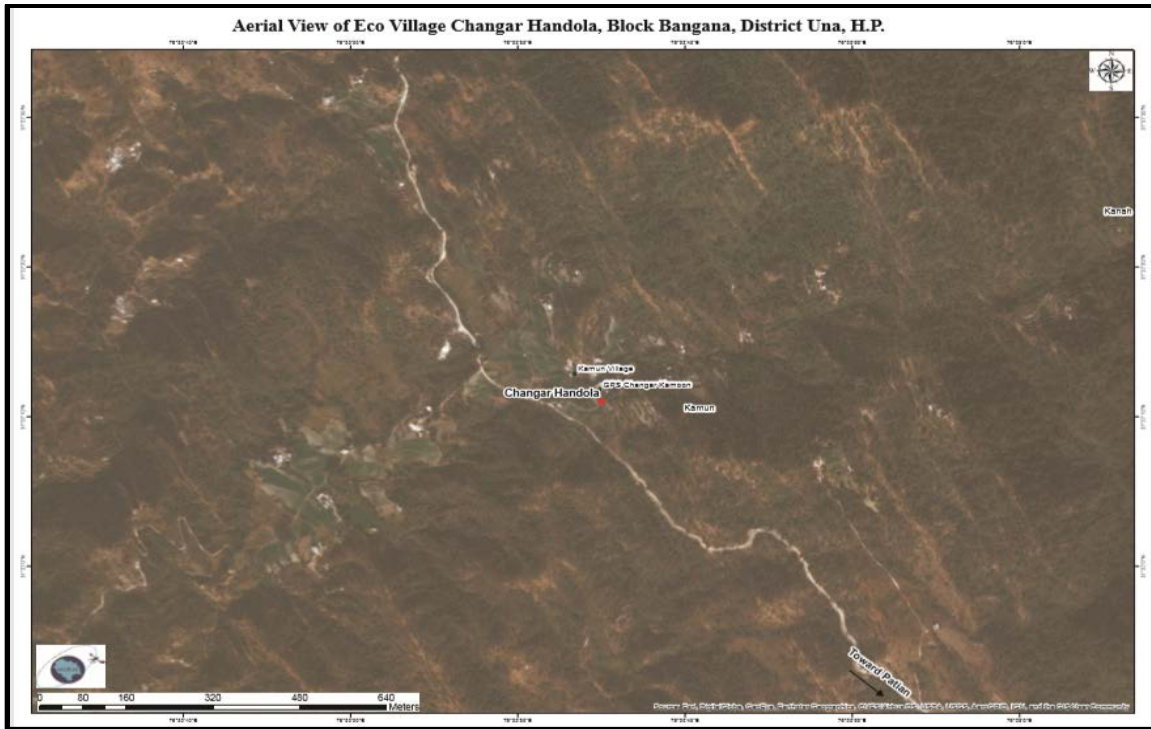
8. **Members of Village Committee** constituted to implement the Scheme is 04.

9. **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	15	-
		b) No. of critical spring sources identified and prioritized for conservation	2	-
		c) No. of spring recharging structures available.	-	-
		d) No. of village level committees constituted to check the water sources.	1	-
		e) No. of awareness campaign in village previously conducted to protect/conservate the natural water sources.	2	-
		f) No. of studies conducted relating to the vulnerability of springs	-	-
		g) No. of climate resilient spring shed development plans	-	-
		g) No. of village water security plans in the village	-	-
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	
		ii. No. & names of the endangered or extinct crops of the village.		
		iii. Cereal/crop wise seed produced in the village	Yes	
		iv. Cereal/crop wise seed procured from outside	Yes	

	b) Organic farming	i. No. of farmers practicing organic farming in the village	80	
		ii. No. of organic manure producing units in the village	-	0
	c) Farm Produce and Management Practices	i. No. of farm produce organizations.	-	-
		ii. No. & details of good practices		
3	Water management and irrigation.			
	a) Rain water Harvesting from Roof Tops	i. No. of roof-top rain water harvesting structures in the village	20	5
	b) Revival and Creation of water ponds/maintenance of water bodies	i. No. of water recharge bodies	-	-
		ii. No. of Check dams in the village	-	-
	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.	-	-
	d) Minimize water use through strict conservation practices-supply in sustainable manner:	i. NO. of water ponds constructed in the village	02	-
		ii. No. of farmers who have adopted sprinkling method in farming	-	-
		iii. No. of water management committees constituted in the village.	1	-
4	Adoption of Renewable Sources of Energy.	i. No. of Biogas plants in the village	-	-
		ii. No. of Solar Lights and Heaters in the village.	20	15
		iii. No. of awareness programmes conducted in the village about use of renewable sources of energy.	-	-
		iv. No. of Solar Pumps for lifting of water which is used for clusters	-	-
		v. No. of Solar Fencing done in the village farmland to protect it from stray/wild animals.	-	-
5	Solid Waste Management	i. No. of villagers who collect Non-Bio degradable waste at one place and reused or sent	0	-

	Cleanliness.	for disposal through vendors.		
		ii. No. of villagers who know & practice vermin composting techniques to degrade the Bio-degradable waste into manure.	-	02
		iii. No. of farmers who is aware of source collection, segregation and composing techniques.	3	-
		iv. No. & details of practices noticed where villagers re-used unwanted goods and materials.	-	-
		v. No. of community based groups (MM, YM,NGO, etc.) which are aware of solid waste management techniques.	-	-
6	Forest Management and assured Eco Services	i. No. of areas adopted for plantation	200	-
		ii. No. of community based plantation campaigns undertaken	-	-
		iii. No. of plantations of fruit trees in the village.	50	-
		iv. No. of forest fire incident last year	-	-
7	Undertake capacity building interventions.	i. No. of training conducted in village on Environmental issues.	2	-
		ii. No. of trainings and awareness modules available for villagers	-	-
		iii. Village Bio-diversity group and register	-	-



Activities Proposed for Eco-village.

Sr. No.	Name of Activity	Estimated cost in lakhs	Convergence with other schemes (DEST contribution in Eco-village	Timeline for Completion.
1	Plantation (1500 Plants)	5 Lakhs	4 Lakhs RD&PR (MGNREGS)	1 Lakhs	July, 2022
2	Construction of Farm Ponds. (5 Ponds)	15 Lakhs	10 Lakhs RD&PR (MGNREGS)	5 Lakhs	March, 2022
3	Installation of Solar lights. (25 Lights))	5 Lakhs	1 lakhs RD&PR (FC Grants)	4 lakhs	January, 2022
4	Construction of Nature Park including Meditation Hut and Village Gate. 1 Park 2 Huts 1 Gate	20 Lakhs	12 Lakhs RD&PR (MGNREGS) & Planning Department.	8 Lakhs	October, 2021
5	Community Toilet	5 Lakhs	3 Lakhs RD&PR (SBM)	2 Lakhs	December, 2020
	Total	50 Lakhs	30 Lakhs	20 lakhs	

Implementation Schedule

Sr. No.	Activities	Year of Implementation				
		Y1	Y2	Y3	Y4	Y5
		2018	2019	2020	2021	2022
1	Plantation (1500 Plants)					
2	Construction of Farm Ponds. (5 Ponds)					

3	Installation of Solar lights. (25 Lights)					
4	Construction of Nature Park including Meditation Hut and Village Gate. 1 Park 2 Huts 1 Gate					
5	Community Toilet					

