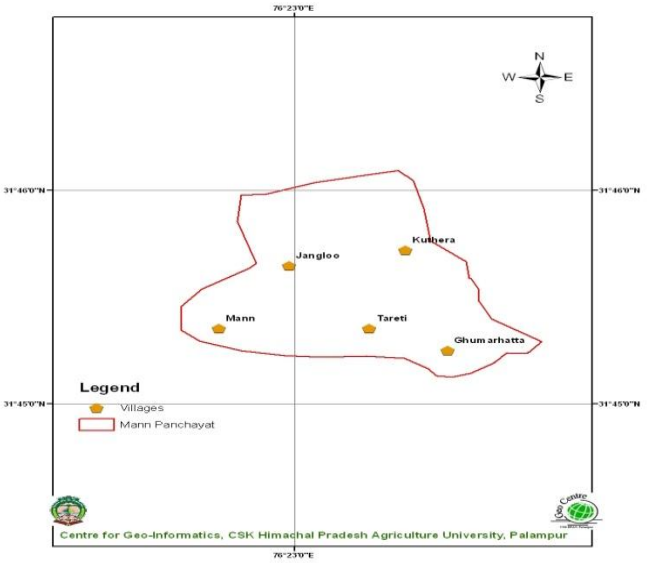
Details of the NICRA village	
Name of the village/cluster	Bara
Name of the gram panchayat	Man
Name of the taluka	Man
Name of the district & state	Hamirpur & Himachal Pradesh
GPS Location & Elevation	31°.45'20.1" longitude and 76° 22'34" Latitude with an elevation 548m amsl
Agro climatic zone	Zone-I
No. Of house holds	469
Populations	1700
Average annual rainfall (mm)	1025
Soil detail	Sandy soil & Silty clayey loamy soil
Major crop	Maize, Wheat, Sesame, Vegetables crops and Horticulture Crops
Total cultivated area (ha)	117.87 (38.01 % of total geographical area)
Rain fed area (ha)	297.07 (95.80 % of total geographical area) 104.79(88.90% of total cultivated area)
Irrigated area(ha)	13.08 (%)

Major climate variability challenge	Drought		
Source of irrigation		Number	Area(ha)
	Open wells	6	1.2
	Bore wells	3	3
	Community water bodies (Tank)	2	3
	Lift irrigation	-	-
	Canal irrigation	-	-
	If any other sources (check dam)	1	8

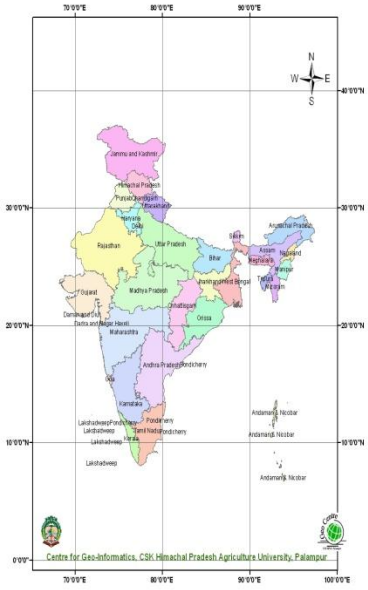
Historical trends in rainfall		**Decadal average**		
		1980-90	**1990-2000**	**2000-10**
No. of rainy days		64.2	54.1	52.7
No. of dry spells during kharif season	>10days	14	6	8
	>15days	7	2	5
	>20days	6	-	17
No. of intensive rain spells	>60 mm per day	35	15	11

Climate variability :

Google image location of village



Outlook of India map with state



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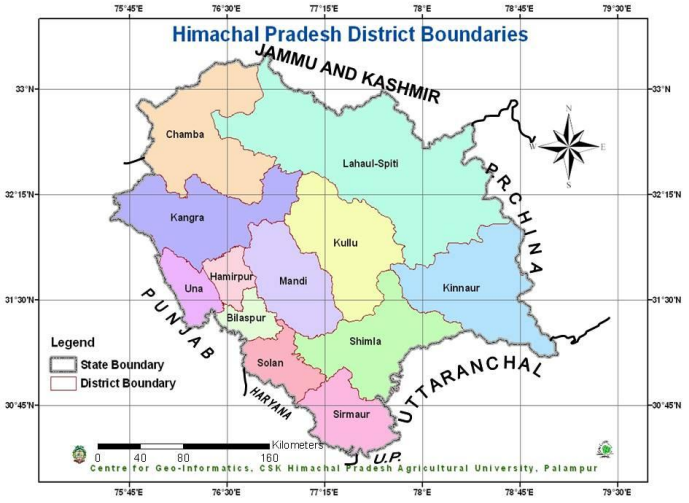
Outlook of state map with Dist.



Module-1: Natural Resource Management

Interventions	Technology demonstrate	Critical input (Variety, Fertilizer / Chemicals doses)	No. of farmers	Area (ha)	Measurable indicators of output*	Economics of demonstration (Rs./ha)			
						Gross Cost	Gross Return	Net Return	BCR
1	2	3	4	5	6	7	8	9	10
In-situ moisture conservation RCT	**Furrow and Ridges method**	**Seed (Radish)**	**2**	**0.08**	**Yield(0.8 q/ha)**	**8000**	**12,000**	**4000**	**0.5**
	Mulching	**Seed (summer squash)**	**2**	**0.08**	**Yield(0.96 q/ha)**	**16000**	**22000**	**6000**	**0.375**
Water harvesting and recycling for supplemental irrigation	**Water harvesting**	**Poly line tank(10 ×6 ×1.5) m**	**2**	**0.40**	**-**	**30000 each**	**-**	**-**	**-**
		Pacca tank(3 ×3×2) m	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Improved drainage in flood prone areas	**Nil**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Conservation tillage where appropriate									
Artificial ground water recharge	**Check Dam (5 × 8) m**		**85**	**2.0**	**-**	**300000**	**-**	**-**	**-**
Water saving irrigation methods	**Sprinkler method**		**3**	**2.0**	**-**	**80060 each**	**-**	**-**	**-**
Any other (Pl. specify)									

Details of activity (Pls. give details of the each interactions in each module apart from given format) :

Module-2: Crop Production

Interventions	Technology demonstrate	Critical input (Variety, Fertilizer / Chemicals doses,)	No. of farmers	Area (ha)	Measurable indicators of output*		% increase	Economics of demonstration (Rs./ha)				Economics of Local (Rs./ha)			
					Demo yield q/ha	Local yield q/ha		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Introducing flood / drought / temperature tolerant varieties	Package of practices	Seed [Cow pea (c-475)]	63	3.0	10.1	6.4	57.81	14000	30300	16300	1.16	12000	19200	5200	0.43
	Package of practices	Seed [Okra (Tulsi)]	26	1.6	115	70	64.28	50,000	115000	65,000	1.3	40000	70000	30000	0.75
	Package of practices	Seed [Him Mash -1]	53	3.5	8.5	6.2	37.09	15834.53	25500	9665.47	0.6104	1.2914.53	18600	5685.47	0.4402
	Package of practices	Seed (Maize vyass) ,Atrazine	64	5.0	32.2	18.0	78.89	17340.70	45840	28499.3	1.6435	317707	22680	9090.7	0.2862
	Package of practices	Seed [Pigen pea]	57	3.0	12.2	5.72	112.7	22925	54900	31975	1.39	18000	25740	7740	0.43
	Package of practices	Turmeric[Palam lalima]	7	0.35	270	240	12.5	3150	7000	3850	1.22	3150	4900	1750	0.55
	Package of practices	Seed [Gobhi Sarson]	42	2.0	-		Crop still in the field								
	Package of practices	Seed [Toriya (Bhawani)]	45	3.3	6.7	5.3	28.85	12650.7	200100	7449.3	0.5888	9695.8	15600	5904.2	0.6089
	Package of practices	Seed[Gram]	38	2.16	-	Crop still in the fields.									
	Package of practices	WHEAT: Seed [VL 907], Isoproturon , Urea	7	0.25	-	Crop still in the fields.									

	Package of practices	VL892 Isoproturon , Urea	2	0.2	Crop still in the fields.										
	Package of practices	HS 490 Isoproturon , Urea	6	0.25	Crop still in the fields.										
	Package of practices	VL 829 Isoproturon , Urea	5	0.5	Crop still in the fields.										
	Package of practices	HPW 236 Isoproturon , Urea	17	1.5	Crop still in the fields. .										
	Package of practices	Onion seedlings	29	0.24	Crop still in the fields										
	Package of practices	Seed [Cauliflower]	13	2	180	105	71.42	70,000	1,26,000	56000	0.8	60000	72500	12500	0.208
	Package of practices	Seed [Soybean]	26	1.32	8.5	5.6	51.78	19000	29750	10750	0.565	10050	19600	9550	0.9502
Advancement of planting dates of rabi crops in areas with terminal heat stress	**Nil**														
Water saving paddy cultivation methods (SRI, aerobic, direct seeding)	**Nil**														
Frost management in	**Nil**														

horticulture through fumigation															
Community nurseries for delayed monsoon	**Nil**														
Custom hiring centres for timely planting	**Nil**														
Location specific intercropping systems with high sustainable yield index	**Maize +seasame – Wheat + gobhi sarson**	**seed**	**29**	**1.16**	**Rabi season crop still n the fields.**										
	Maize + Mash – Wheat + Gram	**seed**	**29**	**1.16**	**Rabi season crop still n the fields.**										
	Maize-Toria-wheat	**seed**	**29**	**1.16**	**Rabi season crop still n the fields.**										
Any other (Pl. specify)															

*Ponds / Check dam / Irrigation channel dimensions, Yield (q/ha), Milk yield (kg/liter), Egg production, Fish production, Meat production

Details of activity (Pls. give details of the each interactions in each module apart from given format) :

Module-3: Livestock & Fisheries

Interventions	Technology demonstrate	Critical input (Variety, Fertilizer / Chemicals doses,)	No. of farmers	Unit/ No. / Area (ha)	Measurable indicators of output*		% increase	Economics of demonstration (Rs./ha)				Economics of demonstration (Rs./ha)			
1	2	3			Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Use of community lands for fodder production during droughts / floods	**Obnoxious weed management**	Use of bush cutter	Community land	1 ha	Use of petrol based bush cutter	Use of traditional method	50%	1650	-	-	-	-	-	-	-
Improved fodder/feed storage methods	**Silage pit**		15	15 no.	**Under construction**										
Preventive vaccination	**Nil**														
Improved shelters for reducing heat stress in livestock	**Nil**														
Management of fish ponds / tanks during water scarcity and excess water	**Nil**														
Any other (Pl. spec)		Mineral Mixture	141	429	Increase in milk production	Increase in milk production	6 %	48000 +	**288000**	**204000**	**4.25**	**Not area specific.**			

		UMB	141	600	Increase in milk production	Increase in milk production		36000				

Details of activity (Pls. give details of the each interactions in each module apart from given format) :

Module-4: Institutional Interventions

Interventions	Details of activity			Critical input (Breed / Variety / Medicine doses,)	No. of farmers	Unit / No. / Area (ha)
	Name of crops / Commodity groups / Implements	Quantity / Number / Rent / Charges	Technology used in seed / fodder bank & function of groups			
1	2	3	4	5	6	7
Seed bank			Seed bins were used to store the improved seed of crops after treatment.	Seed of improved varieties, fertilizer(Urea, weedicides and insecticides		
	Wheat	100 kg		VL 907,VL 892, HS 490, VL 829, HPW 236	37	2.7
	Maize	100 kg		Maize Vyass/ Plant Gene	64	5.0
	Mash	100 kg		Him -1	53	3.5
	Black Gram	40 kg		GPF-2	38	2.16
	Toriya	50 kg		Bhawani	45	3.3
	Gobbhi sarson	12 kg		Neelam	42	2.0
	Cowpea	150 kg		C 475	63	3.0
	Pegin pea	80 kg		Sarita	57	3.0
Fodder bank	Guinee Grass Wheat straw	2 kg	Provide nutritive fodder by improved fodder seed and on huge availability and quality the wheat straw can be	Improved varieties of fodder crops and to secure the low cost wheat straw during winter months when there is scarcity of the fodder in the area.	100	

			procured during fresh crop season to available the same during scarcity of fodder during winters on low prices.			
Commodity groups	Krishi shakari sabha samiti Grass committee Seed committee	7 8 8	Linkage with KVK staff and farmers for better agricultural inputs.	-	-	-
Custom hiring centre	Maize seller Power tiller Bush cutter Spray pump	1 1 1 2	More yield and less labour inputs. Also to provide implements timely during the peak season.		5 16 4 10	
Collective marketing	**Nil**					
Climate literacy through a village level weather station	Rain gauge at NICRA village and Automatic weather station at KVK Bara	1 1	Climatic data is beneficial for planning and executing the programme.		1	
Any other (Pl. specify)						

Details of activity (Pls. give details of the each interaction in each module apart from given format):

Capacity Building (HRD):

Sl. No.	Thematic area	Title of training	No. of Courses	No. of beneficiaries		Date
				Male	Female	
1	**2**	**3**	**4**	**5**	**6**	**7**
1	Cereal Crops	Field day on maize	1	52	34	08.08. 2011
2	Social Groups	Importance & formation of self help group	1	-	19	08.08. 2011
3	Wasteland development	Plantation in different agro system	1	13	16	20.08. 2011
4	Diversification	Camp on vegetable	1	32	18	17.09. 2011

5	Cereal Crops	Field day on toria	1	16	12	01.11.2011
6	Home Science	Value addition of papaya	1	-	12	02.11.2011
7	Animal Health	De worming of diary animal	1	15	6	02.11.2011
8	Home Science	Value addition of anola	1	-	17	15.11.2011
9	Vegetable Cultivation	Onion cultivation	1	13	12	26.12.2011
10	Water Conservation	Water management	2	43	09	30-31.01.2012
11	Animal Health	Clean milk production and management of subclinical	1	24	27	02.02.2012
12		Vet. Clinical camp	1	20	09	09.02.2012
13		Balanced feed formulation	1	26	14	01.03.2012