



November 25-
28, 2024
*Geographical
Field Survey*

Understanding the Changing Geographies of Baga Sarahan Village, Kullu Himachal Pradesh



Participants:
Faculty Members:
Dr. Khyal Chand (Course Teacher)
Mona Sharma (Head of Department)
Dr. Adarsh Sharma (Assistant Professor)
Students: 42, divided into 6 thematic groups.

Objectives of the Survey

The survey aimed to understand the dynamic geographical and socio-economic transformations in Sarahan Village.

The study addressed key themes such as demographic dynamics, socio-cultural changes, cropping patterns, economic development, climate change impacts, and disaster risk reduction strategies



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For providing the necessary resources and institutional support to conduct this field survey.

2. **Head of Department, Geography (Mona Sharma) Faculty member Dr. Adarsh Sharma:**

For her guidance, leadership, and unwavering encouragement throughout the planning and execution of this study.

3. **Villagers of Sarahan:**

For their warm hospitality, cooperation, and willingness to share their experiences and insights, which formed the cornerstone of our research.

4. **Students:**

For their dedication, teamwork, and enthusiastic participation in exploring the themes and contributing to the findings of this survey.

Your contributions have been instrumental in the success of this endeavor, and we are truly grateful.

(Dr. Khyal Chand)
Assistant Professor, Geography
GC Sanjaul



Methodology

- **Group Division:** Students were divided into six thematic groups to specialize in distinct but interconnected aspects of the village's changing geographies.
- **Data Collection Techniques:**
 - Structured and semi-structured interviews with local residents.
 - Field observations.
 - Focus group discussions.
 - Questionnaires tailored to each thematic area.



Thematic Analysis

1. Demographic Dynamics

- Observations on population growth trends, migration patterns, and age demographics.
- Identification of changes in household structures and dependency ratios.
- Insights into gender-based roles within the community.

2. Socio-Cultural Change

- Analysis of shifts in traditions, festivals, and rituals due to external influences.
- Assessment of the role of education in changing social attitudes.
- Examination of caste-based dynamics and their current relevance.

3. Changing Cropping Patterns

- Study of agricultural practices, including crop diversification.
- Insights into the introduction of cash crops such as apple cultivation.
- Impact of changing irrigation methods and the adoption of technology.

4. Economic Development

- Role of tourism as a growing economic activity in Sarahan.
- Understanding employment trends, including migration to urban areas for work.
- Assessment of local entrepreneurial initiatives and government interventions.

5. Impact of Climate Change on the Local Community

- Documentation of changes in seasonal patterns and their impact on agriculture.
- Local perceptions of glacier melting, water scarcity, and unpredictable weather events.
- Adaptive measures taken by the community to mitigate climate-induced risks.

6. Disaster Risk Reduction

- Identification of vulnerabilities to natural disasters, including landslides and flash floods.
- Assessment of community awareness regarding disaster preparedness.
- Evaluation of government and non-governmental efforts in disaster mitigation.



Changing Demographic, Health and Family Planning patterns of Bagha Sarahan Village of Kullu

Respondent No.....

Date.....

Map ID.....

Name of Head of the household.....

Caste.....

Section 1: Household Demographics

Sr No	Name	Relation With Head of The Household	Gender	Age	Marital Status	Age At First Marriage	Education Received	Language Spoken	Occupation		Vulnerability*
									Main Occupation	Subsidiary Occupation	
1.											
2.											
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											

*Code for Vulnerability: A. Blind B. Dumb C. Deaf D. Chronic Illness

Section 2: Housing and Living Conditions

1. Type of house:

Kutchha
Semi-pucca
Pucca

2. Source of drinking water:

Public tap
Handpump
Household connection
Other (Specify):

3. Access to sanitation facilities:

Open defecation
Shared toilet
Own toilet

4. Cooking fuel used:

Firewood
LPG
Biogas
Other (Specify):

Section 3: Health and Healthcare Access

5. Are there any members in your household with chronic illnesses?

Yes
No
If yes, specify:

6. Have any household members been hospitalized in the past year?

Yes
No

7. Where do you seek medical care?

Government hospital
Private clinic
Traditional healer
Other (Specify):

8. Do you have access to health insurance?

Yes
No

9. Do you rely on traditional medical systems for treatment?

Yes
No

If yes, please provide the following details:
Type of Illness Traditional Medicine Used

2. **Do you believe in or practice magic healing for illnesses?**

Yes
No

If yes, please provide the following details:
Type of Illness Type of Magic Healing Used

Section 4: Family Planning

16. **Are you aware of family planning methods?**

Yes
No

17. **If yes, which methods are you familiar with?**

Condoms
Oral contraceptives
Sterilization (Male/Female)
Natural methods
Other (Specify):

18. **Do you or your partner currently use any family planning method?**

Yes
No

19. **If no, what are the reasons for not using family planning methods?**

Lack of awareness
Religious/cultural beliefs
Side effects/health concerns
Other (Specify):

Section 5: Birth Rate and Death Rate

20. **How many live births have occurred in your household in the past year?**

Number: _____

21. **Did any of the live births in the past year take place in a healthcare facility?**

Yes

No

Death Rate

22. How many deaths have occurred in your household in the past year?

Number: _____

23. What was the age group of the deceased individuals? (Select all that apply)

Infant (0–1 year)
Child (1–12 years)
Adult (13–60 years)
Elderly (60+ years)

24. What was the primary cause of death?

Illness (specify): _____
Accident
Old age
Other (specify): _____

25. Did the deceased receive any medical treatment before passing?

Yes (Specify the type: _____)
No

26. Where did the death occur?

At home
At a healthcare facility
Other (specify): _

Section 6: Migration

Has any member of your family migrated and settled outside the native area?

Yes
No
If yes, mention the time period of migration:

27. What is their current profession?

28. Have you or they purchased land or built houses outside the native area?

Yes

No

If yes, please provide details and explain the reasons for migration:

Details: _____

Reasons: _____

29. **What is the name of the area they have migrated to?**

Any Other Observation:

**Dynamics of Socio-Cultural Geography of Baga Sarahan Village: A
Households Level Study**

Respondent No.....

Date.....

Map ID.....

Name of Head of the household.....

Caste.....

1. Gender of the Household Head:

- Male
- Female
- Other

2. What is the total number of family members?

Males: _____
Females: _____

3. Education Level of the Household Head:

- a) Illiterate
- b) Primary
- c) Secondary
- d) Higher Secondary
- e) Graduate or above

4. Occupation of the Household Head:

- a) Agriculture
- b) Livestock Rearing
- c) Daily Wage Labor
- d) Business
- e) Government/Private Job
- f) Other: _____

5. What is the type of your house?

- a) Kutcha
- b) Semi-pucca
- c) Pucca

Section 2: Cultural Practices (10 Questions)

9. Which religion does your family practice?

- a) Hinduism
- b) Islam
- c) Buddhism
- d) Other: _____

10. What languages are spoken in your household?

- a) Hindi
- b) Pahari
- c) Other: _____

11. What festivals are celebrated in your family?

- a) Dussehra
- b) Diwali
- c) Local Fairs (Specify): _____

Other: _____

12. Do you follow any specific traditional rituals regarding worship?

- a) Yes
- b) No
- c) If yes, specify: _____

13. What traditional attire is worn on special occasions?

Specify: _____

14. Do you have family-specific customs for marriages or other ceremonies?

- a) Yes
- b) No
- c) If yes, specify: _____

15. Are there any significant folk songs or dances your family participates in?

- a) Yes
- b) No
- c) If yes, specify: _____

16. What type of traditional food is prepared in your household?

Specify: _____

17. Are cultural values and traditions passed on to younger generations?

Yes
No

18. Do you face challenges in maintaining traditional practices?

- a) Yes
 - b) No
 - c) If yes, specify: _____
-

Section 3: Social Structure and Relationships (10 Questions)

19. Is there a hierarchical structure within the village community?

Yes
No

20. Does your family participate in village-level decision-making processes?

Yes
No

21. Are there any traditional leaders in your village?

Yes
No

22. Do you engage in community activities such as fairs or festivals?

Yes
No

23. How often do you visit Neighboring households or relatives?

- a) Frequently
- b) Occasionally
- c) Rarely

24. Do you have inter-community marriages in your family?

Yes
No

25. How do you view inter-caste marriage in your society?

- a) A social taboo
- b) permissible custom

26. Is widow marriage permitted in your family? Yes/No

27. Do you practice polyandry/polygamy?

Yes

No

28. Are there any disputes related to land, resources, or customs in the community?

a) Yes

b) No

c) If yes, specify: _____

29. Do you share resources (e.g., water, labor) with neighbours?

Yes

No

30. What is the role of women in decision-making in your household?

Significant

Moderate

Limited

History of Village:

Any other Observation:

Changing Patterns of Economic Activities of Baga Sarahan Village: A Households Level Analysis

Respondent No.: _____

Map ID: _____

Name of the Household Head: _____

Age

Below 18: _____

18–35: _____

36–60: _____

Above 60: _____

What are the primary sources of income for your household? (Rank them in order of importance: 1=highest)

Activity	Income
Agriculture	
Animal husbandry	
Horticulture	
Wage labor	
Government job	
Private job	
Tourism-related activities	

Ownership of Land	Irrigated Land	Unirrigated Land	Total
Area Leased in			
Area Leased out			
Operational Holding			
Uncultivated Land			
Net Cultivated Area			

Others (specify): _____

Land Holding Characteristics (Bigha)

Agricultural Inputs and Output:

Do you use agricultural inputs? Yes/ No, if yes, please provide following information...

Agricultural Inputs	Yes	No	Area under inputs (Bigha)	Quantity (Kg)	Name of Crop	Total Cost (Rs.)	Price (Rs)
Manure							
Fertilizers							
HYV Seeds							

Equipments Used for Farming

Types	Iron Plough	Thresher	Crusher	Spray pump	Maize Sheller	Any other
Modern						
Traditional						

Crops and their outputs (Kg)

Main Crops	Area	Sowing Time	Harvesting Time	Production of Crop(kg)	Total Output (Rs. /Unit of Land)
Wheat					
Maize					
Jowar					
Bajara					
Vegetable					
Peas					
Potato					
Garlic					
Apple					
Any other crop					

Inventory of Livestock

Livestock	Number	Yield per day	Lactation Period	Expenditure		
				Stall Fed	Grazing	Total
Cow						
Bullocks						
Sheep						
Goats						
Poultry						
Any Other						
Total						

Have you taken the loan during last 5 years? Yes/No if yes, please supplement the following information

Types	Source	Amount	Interest Rate	Payment Period	Amount Paid Back	Outstanding Amount

Purpose of Loan	Purpose of Utilization	Difficulties faced by Loanee

Are you aware of government schemes promoting livelihood and agriculture?

Yes

No

Have you availed of any schemes in the last 5 years?

Yes

No

If yes, specify the scheme(s): _____

How have these schemes impacted your household's economic condition?

Positively

Negatively

No impact

Any Other Observations:

Changing Cropping Patterns of Baga Sarahan Village: A Micro Level Analysis

Respondent No.: _____

Map ID: _____

Name of the Household Head: _____

Age

Below 18: _____

18–35: _____

36–60: _____

Above 60: _____

What crops do you currently cultivate? (List all): 1.
2.

What were the main crops grown 50 years ago? _____

Have you switched from subsistence crops to cash crops?

Yes

No

What factors influenced the change in cropping patterns?

Market demand

Climate change

Government schemes

Others: _____

How many crop cycles do you have in a year? _____

Are there any new crops you have introduced in the last decade?

Yes (Specify): _____

No

Have you discontinued cultivating any crops?

Yes (Specify): _____

No

What type of seeds do you use?

Traditional

Hybrid

Genetically Modified (GM)

Where do you source your seeds from?

Local market

Government centers

Private companies

Do you use chemical fertilizers?

Yes

No

If yes, what type and quantity (per acre)? _____

Do you use organic fertilizers?

Yes

No

What is your primary source of irrigation?

Rainwater

Canal

Tube well

Others: _____

Do you use modern farming equipment?

Yes (Specify): _____

No

Have you adopted any sustainable agricultural practices (e.g., crop rotation, organic farming)?

Yes (Specify): _____

No

What percentage of your income is derived from crop farming? _____

Has the income from agriculture increased or decreased in the past decade?

Increased

Decreased

No change

What is the average cost of cultivation per crop cycle (per acre)? _____

How do you sell your crops?

Local market

Middlemen

Direct to consumers

Others: _____

Are you aware of any government schemes related to agriculture?

Yes

No

Have you availed benefits from any schemes?

Yes (Specify): _____

No

What types of support do you think are most beneficial?

Financial

Technical

Training

Subsidized inputs

Have government schemes influenced your cropping pattern decisions?

Yes

No

What challenges do you face in accessing government schemes? _____

Any other observation:

**Assessing Impact of
Climate Change on Rural
Livelihoods: A Case Study
of Bhaga Sarahan Village of
Kullu District, H.P.**

**Respondent
No.....**

Date.....

Map ID.....

Name of Head of the household.....

Caste.....

Section 1: Demographics

1. Name of Respondent:

2. Age:

3. Gender:

- a. Male
- b. Female
- c. Other

4. Education Level:

- a. Illiterate
- b. Primary
- c. Secondary
- d. Higher Secondary
- e. Graduate or above

5. Primary Occupation:

- a. Agriculture
- b. Livestock Rearing
- c. Labor Work
- d. Small Business
- e. Other (Specify): _____

Section 2: Climate Change Awareness

6. **Have you noticed any changes in the climate over the past 30 years?**

Yes

No

7. **If yes, what changes have you observed?**

- a. Increase in temperature
- b. Changes in rainfall patterns
- c. Prolonged droughts
- d. Increased frequency of floods
- e. Melting snow/glacial retreat
- f. Other (Specify): _____

8. **Do you think these changes are affecting your livelihood?**

- Yes
- No

Section 3: Impact on Agriculture and Livelihoods

9. **How has climate change affected your agricultural activities?**

- a. Decreased crop yields
- b. Shifts in sowing/harvesting seasons
- c. Increased pest attacks/diseases
- d. Water shortages for irrigation
- e. Other (Specify): _____

10. **Have you had to change the crops you cultivate due to climate change?**

Yes

No

11. **If yes, what crops did you shift from and to?**

From: _____

To: _____

12. **What percentage of your household income is derived from agriculture?**

- a. Less than 25%
- b. 25%–50%
- c. 50%–75%
- d. More than 75%

13. **Have you or any household member had to migrate for work due to climate-related issues?**

Yes
No

Section 4: Impact on Natural Resources

14. Have you experienced changes in water availability?

Yes
No

15. If yes, what is the main source of water for your household, and how has it been affected?

Source: _____
Impact: _____

16. Have forests or grazing lands in your area been impacted?

Yes
No

17. If yes, how has this affected your livelihood?

- a. Reduced fodder availability
 - b. Loss of fuelwood sources
 - c. Reduced biodiversity
 - d. Other (Specify): _____
-

Section 5: Adaptation Strategies

18. Have you adopted any strategies to cope with climate change impacts?

Yes
No

19. If yes, what strategies have you adopted? (Select all that apply)

- a. Diversifying crops
- b. Water conservation techniques
- c. Improved seeds/farming techniques
- d. Livelihood diversification (e.g., taking up non-farming jobs)
- e. Other (Specify): _____

20. Do you receive any support or training for adapting to climate change?

Yes
No

21. If yes, who provides the support?

- a. Government schemes
 - b. NGOs
 - c. Community groups
 - d. Other (Specify): _____
-

Section 6: Perception and Future Concerns

22. What do you think is the main cause of climate change?

- a. Natural processes
- b. Human activities
- c. Not sure

23. What is your biggest concern related to climate change?

- a. Food security
- b. Water scarcity
- c. Health impacts
- d. Loss of income
- e. Other (Specify): _____

24. What additional support do you need to cope with climate change impacts?

Any other Observation:

**Voices from the Ground: Understanding Village-Level Perceptions of
Disasters: A case study of Baga Sarhan Village**

Respondent No.....

Date.....

Map ID.....

Name of Head of the household.....

Age.....

Section 1: General Information

1. **What is your age?**
2. **What is your gender?**
 - Male
 - Female
 - Other
3. **What is your educational level?**
 - i. No formal education
 - ii. Primary school
 - iii. Secondary school
 - iv. Higher education
4. **How long have you lived in this village?**
5. **What is your main occupation?**
 - i. Farming
 - ii. Livestock rearing
 - iii. Business
 - iv. Government service
 - v. Other (please specify)

Section 2: Awareness of Disasters

6. **Which types of natural disasters are you aware of? (Check all that apply)**
 - i. Earthquakes
 - ii. Floods
 - iii. Landslides
 - iv. Droughts
 - v. Forest fires
 - vi. Others (please specify)
7. **How often do you experience natural disasters in your area?**
 - i. Rarely
 - ii. Occasionally
 - iii. Frequently
8. **Do you think your village is prone to disasters?**
 - i. Yes
 - ii. No
 - iii. Don't know
9. **Have you or anyone you know been directly affected by a disaster?**

Yes

No

10. In your opinion, what is the most likely disaster to affect your village?

- i. Earthquake
- ii. Flood
- iii. Landslide
- iv. Others (please specify)

Section 3: Impact of Disasters

11. How would you describe the impact of past disasters on your village?

- i. Minimal
- ii. Moderate
- iii. Severe

12. What do you think is the biggest consequence of disasters for your community?

- i. Loss of lives
- ii. Property damage
- iii. Economic loss
- iv. Loss of crops and livestock
- v. Other (please specify)

13. How do disasters affect your daily life?

- i. Greatly
- ii. Moderately
- iii. Little

14. Do you think that disasters have a long-term effect on the village's development?

- i. Yes
- ii. No
- iii. Don't know

Section 4: Preparedness and Risk Mitigation

15. Is there a disaster preparedness plan in your village?

Yes
No

16. Have you ever participated in disaster preparedness activities in your village?

Yes
No

17. Do you feel prepared to handle a disaster if it happens?

Yes

No

18. Do you know where to find disaster relief resources (shelters, food, water)?

Yes

No

19. What measures do you think should be taken to reduce disaster risks in your village?

- i. Building stronger infrastructure
- ii. Training for disaster response
- iii. Early warning systems
- iv. Other (please specify)

20. Do you trust local authorities to manage disaster preparedness and response effectively?

- i. Yes
- ii. No
- iii. Sometimes

21. Do you have access to any warning systems (e.g., sirens, mobile alerts) about potential disasters?

Yes

No

Section 5: Community Resilience

22. In your opinion, how resilient is your community in recovering from disasters?

- i. Very resilient
- ii. Moderately resilient
- iii. Not resilient

23. What role do community leaders play in disaster management in your village?

- i. Very important
- ii. Somewhat important
- iii. Not important

24. Does the community come together to help one another during and after disasters?

- i. Yes, always
- ii. Sometimes
- iii. Never

25. Have you received any help from outside the village (government, NGOs) after a disaster?

Yes
No

26. Do you think more education on disaster preparedness is needed in your village?

Yes
No

27. Would you be willing to participate in community-based disaster response training?

Yes
No

Section 6: Perceptions of Government and External Support

28. How satisfied are you with the government's disaster response in your village?

- i. Very satisfied
- ii. Somewhat satisfied
- iii. Not satisfied

29. Do you think non-governmental organizations (NGOs) provide sufficient support during disasters?

Yes
No
Not sure

30. What improvements do you think should be made in disaster response at the village level?

- i. Better communication
- ii. Faster response times
- iii. More resources and relief supplies
- iv. Other (please specify)

Any Other Observation