



VIDYASAGAR UNIVERSITY

VIVEKANANDA MISSION MAHAVIDYALAYA



B.SC GEOGRAPHY HONORS

PAPER :- CC11P/RESEARCH METHODOLOGY

NAME :- PARAMITA SASMAL

CLASS :- 5TH SEM

ROLL :- 1125155 NO :- 200032

REG. NO - 1550650 OF 2020 - 2021

Vivekananda Mission Mahavidyalaya

Department of Geography

Notice No-21/22

Date-01.11.2022

It is here by informed to all the student of B.Sc Geography General and Hons student that our department is going to organize an Educational excursion for 5th sem, Geog.(H), Session 2022-2023 in Himachal Pradesh from 03.11.2022 to 10.11.2022. So, Prof. Pranab Bishal (H.O.D), Prof. Dinabandhu Maity and Prof. Sanghamitra Ari Adak and Sri Aswini Kr. Samanta(Lab Attendent) will not be available from 3rd November to 10 th November-2022 in this regard .


01/11/22
Head
Deptt. of Geography
Vivekananda Mission Mahavidyalaya
Chhatrapur, Purba Medinipur

VIVEKAMANDA MISSION MAHAVIDYALAYA

DEPARTMENT OF GEOGRAPHY

FIELD WORK-2023. DATE-05.06.2023-08.06.2023

Attendance sheet

PROGRAMME NAME	PROGRAMME CODE	LIST OF STUDENTS UNDERTAKING PROJECT WORK/FIELD WORK			LINK TO THE RELEVANT DOCUMENT
		Sl No	Name of student	Signature of student	
Disaster Management of river bank erosion & its Impact : A case study on rural livelihoods of Chargheri Village, Indian Sundarban		1	Paramita Sasmal	Paramita Sasmal	
		2	Kumari sreya Pahari	Sreya Pahari	
		3	Arifa Parven	Arifa Parven	
		4	Aditi Maity	Aditi Maity	
		5	Sangita Samanta	Sangita Samanta	
		6	Swapna Jana	Swapna Jana	
		7	Siuli rani Bera	Siuli Rani Bera	
		8	Nisha Samanta	Nisha Samanta	
		9	Shrabani Mondal	Shrabani Mondal	
		10	Shipra Dolal	Shipra Dolal	
		11	Suparna Das	Suparna Das	
		12	Sweta Tiwari	Sweta Tiwari	
		13	Anwesha Manna	Anwesha Manna	
		14	Rimpa Das	Rimpa Das	
		15	Nisha Samanta	Nisha Samanta	
		16	Santanu Singha	Santanu Singha	
		17	Sayan Kar	Sayan Kar	
		18	Subrata Das	Subrata Das	
		19	Subhankar Samanta	Subhankar Samanta	
		20	Arnab Mitra	Arnab Mitra	
		21	Sahanawat Hussain	Sahanawat Hussain	
		22	Pabitra Barman	Pabitra Barman	
		23	Purnendu Mondal	Purnendu Mondal	
		24	Avisek Gantait	Avisek Gantait	
		25	Biman Sahoo	Biman Sahoo	
		26	Subham Manna	Subham Manna	
		27	Rakesh Samanta	Rakesh Samanta	
		28	Somnath Sahoo	Somnath Sahoo	
		29	Nisha Samanta	Nisha Samanta	
		30	Abhijit Maity	Abhijit Maity	
		31	Souvik Acharya	Souvik Acharya	

Subhojoy Das Subhojoy Das

1. Signature

2. Gaunika

3. Sani (Adak)

4. Bishu

Priya Kumar Bhawmik

Name of Teachers & Staff

DINABANDHU MAITY

Gouranga Gaunika

Sanghamitra Ari (Adak)

PRANABISHAL

SISIR KR. BHOWMICK

Bishu



VIVEKANANDA MISSION MAHAVIDYALAYA

NAAC Accredited B⁺ Institution

VIVEKNAGAR

P.O.- Chaitanyapur (Haldia), Dist.- Purba Medinipur

West Bengal, Pin : 721645

Website : vmmahavidyalaya.in

Certificate

This is to certify that Mr/Ms. PARAMITA SARMAL

Roll 1125155 No. 200032 Registration No. 1550650

Session 2020-2021 Department of Geography, 5th Semester(Hon's) student from Vivekananda Mission Mahavidyalaya, Chaitanyapur, Haldia, Purba Medinipur, has done his/her Field Work titled A PHYSICAL & SOCIOECONOMIC SURVEY AT ALEO VILL in our Geography Department from 03.11.2022 to 09.11.2022 as part of curriculum.

The field study report of MANALI, KULLU, HIMACHL PRADESH area is the outcome of the effort of the student of 5th Semester students of Geography, 2021.

We have noticed that, during the period, he/she has shown keen interest in his assignments and was also regular in attendance.

Signature of HoD
HOD

Department of Geography
Vivekananda Mission Mahavidyalaya
Chaitanyapur, Haldia, Purba Medinipur

Sanghamitra Ari (Adak)
Signature of Supervisor

Certificate of Work Participation

B.SC (H) 5th Semester; CBCS

Subject – GEOGRAPHY

Paper – CC- 11 (P) Research Methodology and Field work Lab

Vidyasagar University

Roll. 1125155 No. 200032 Reg.No. 1550650 Year 2020 - 2021

Name of the College : **Vivekananda Mission Mahavidyalaya**

Field Report on: " *A physical and socio economic survey at Aleo village , Manali , Kullu, Himachalpradesh*".

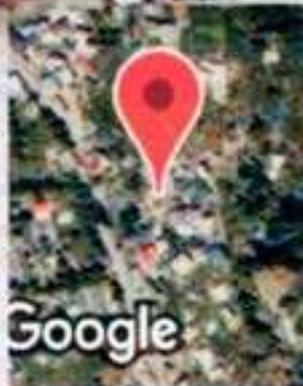
Methods of Data Collection	Day	Date	Work done by the student
Pre-field Work	Monday	19- 09- 22	Conduct with all departmental Teachers for preparing and maintain our field report.
	Wednesday	21- 09- 22	Selection of study area at Kullu, Manali and its adjoining area in Himachal Pradesh.
	Tuesday	27- 09- 22	Permission from principal for survey.
	Thursday	29- 09- 22	Preparation of survey schedule for field report Aleo village, Manali and it's adjoining area in Himachal Pradesh.
During Field Work	Day-1	03- 11- 22	Journey from V.M.M to Howrah station.
	Day-2	04- 11- 22	On the way by train.
	Day-3	05- 11- 22	Reached on our study area (MANALI – Aleo via Kullu , Manali).
	Day-4	06- 11- 22	Permission from Manali police station, collection of mouza map, climatic data, Road and market survey.
	Day-5	07- 11- 22	Door to Door survey (Household survey) , Apple garden survey, soil collection , Rocks & minerals collection etc .
	Day-6	08- 11- 22	Hotel and tourism survey, shawl factory visit, Hospital and school survey and visit to ABVIMAS.
	Day-7	09- 11- 22	Returned home from Manali by train
Post Field Work	Day-8	13- 11- 22 To 22- 12- 22	Gathering of total house hold survey schedule. Guide line about the preparation of tabulation sheet. Tabulation of data from house hold survey schedule. Preparation of calculation table. Guide line about the data analysis and cartographic representation of diagram. Selection of photo plates, maps etc. Verification of field report and issue of certificate.

Sanghamitra Atri (Atri)
30/11/2023
Signature of Supervisor

[Signature]
28/01/23
Signature of H.O.D

Panamita Sainal
Signature of Student

OUR SURVEY GROUP



Manali, Himachal Pradesh, India

65PW+26R, Aleo, Manali, Himachal Pradesh 175103,
India

Lat 32.23502°

Long 77.196131°

07/11/22 02:01 PM GMT +05:30

CONTENT

Chapter Number	Topic
1.	Field Research and Socio-economic Survey in Geography.
2.	State of Himachal Pradesh : Kullu : Manali : Naggan : Aleo village at a glance
3.	Physical perspective of Aleo village, Manali, Aleo village :
4.	Data Analysis and its representation at Aleo village
5.	Various projects and developments in Aleo village Manali
6.	Cultural aspects of Manali Aleo people
7.	Various important and necessary Survey at Manali along with Aleo.

CHAPTER - 1

FIELD RESEARCH AND SOCIO ECONOMIC SURVEY IN GEOGRAPHY

- Field Research
- Characteristics of Field Research
- Importance of Field Survey
- Field work in Geography
- Significance of Field Survey in Geography
- Aims and objectives of Field study in Geography
- Socio - economic survey in Geography
- Aims and objectives of Socio - economic Survey in Geography
- Selection of a study area
- Data source and methodology
- Our Present study area .

CHAPTER - 1

Field Research and Socio economic Survey in Geography :

Field Research : Field research involves a range of well defined, although variable, methods: informal interviews, direct observation, participation in the life of the group, collective discussions, analyses of personal documents produced within the group, self-analysis results from activities undertaken off or online, and life qualities.

Characteristics of field research :

- It takes place outside the laboratory.
- The field investigation is carried out in the place where the phenomenon is to be studied.
- Data is collected in the field.
- Investment required.
- Exploratory
- Evaluative
- Descriptive
- Correlational
- Explanatory

Importance of field Survey :

For students, field studies create opportunities for first hand experiences that encourage critical thinking long-term retention, transfer potential, positive attitudes towards science, appreciation for nature, and increased scientific curiosity.

Field work in Geography :

Field work in geography is conceived as field of study, concerned with the physical and human landscape in both urban and rural settings and whose teaching must be based on significance of field survey in geography,

Significance of fieldwork in geographical Studies :

- It is of great pedagogical importance as it lets students experience the geography of a particular region which theoretical texts can't do.
- Geographical field survey enhance our understanding about patterns and spatial distributions their associations and relationship at the local level.
- Field surveys facilitate the collection of local level information that is not available through secondary sources.

- It is very important as it helps to gather required information so as the problems under investigation is studied in depth as per the predefined objectives.
- Geographical field survey is an essential research method in geography which accumulates data places, fragmented landscape, people and other phenomena.
- Field surveys in geography are one of the most commonly used methods used by researchers for the process of primary data collection. In cases where secondary sources of data do not provide sufficient information, field survey allow researchers to better monitor and evaluate the impact of field experiments.

The people living in Himachal but are Punjabis or came from Punjab & their ancestors also will consider them selves as Punjabi people of Himachal how ever, mostley will consider them selves as 'Phadni'.

The 'Ghirth' (also known as Ghimath, Ghrit or Chaudhary) is an agricultural India caste found in the state of Himachal Pradesh in North India.

Some important districts of Himachal Pradesh by their District gross domestic product (GDP):

LIST OF DISTRICT

Rank	District	GDDP (in Rs. Lakh)
1.	Kangra	483, 250
2.	Solan	367, 943
3.	Shimla	364.033
4.	Mandi	279, 585

- Geographical field studies enable the investigators to comprehend the situation and processes in totality and at the place of their occurrence.
- All the geographical skills are used in practical during field work. A student or researcher get to learn and apply the skills of sampling, data collection, data processing, making questionnaires, map making statistical techniques to derive results, observational skills and skills of interviewing etc.
- It helps to understand the theoretical concepts better.
- It develops an understanding and sensitivity about the culture and people of field area. This may change the biased views about that community.
- Most importantly, it is enjoyable and gives a great memorable experience.

Aims and Objectives of field study in Geography :

Field work whether local, residential or international is an essential component of geography education.

It enables pupils to better understand the 'messiness' of 'geographical reality', develop subject knowledge and gain a range of skills that are difficult to develop in the classroom alone.

Socio-economic Survey in Geography :

Socio-economic survey tools are designed to collect information as a means of improving understanding of local resources management systems, resource use and the relative importance of resources for house holds and villages.

Aims and Objectives of Socio economic Survey :

- Socio-economic survey is a very development activity.
- In socio-economic survey we prepare demographic details, house hold category wise population report, education status, land holding and cropping patterns, live stock details of the village.

- We know the actual condition of area that what kind of people lives in this area.
- It tells us about the economic condition that what types of economic activities are coming out by them.
- It tells about the social condition of the people in any area.
- Socio-economic survey tools provide a means of improving understanding of local resource management systems, resource use and the relative importance of resources for households and villages.

Selection of a Study area :

The selection of a study area is based on some basic geographical objectives of a place. These are:

- To know about the demographic characteristics, social system and land holding of study area.
- To know the educational disparities of the villagers and reasons of their educational backwardness if any.
- To know the economic background of the village and the families
- To know the living standards of the villagers.
- To know about source of drinking water fuel types use and live stock of the villages.

Data Source and methodology :

The present study is based on the primary source of data. The data was collected through a house hold survey from 5th November 2022 to 8th November 2022 by 31 students. All the house holds of the study area were surveyed from 50 questionnaires through structured Schedules. The data collected are on demography, Social structure, infrastructure facilities, agro-climatic resources village economy, village organizations and people's institution and the issues of development.

Both quantitative and qualitative data were collected. The quantitative data were on population, land holding, literacy rate.

The qualitative data were on quality of drinking water, quality of the road, housing pattern, Sanitation, food habit which were obtained from the village. The response from house holds were classified, tabulated and analyzed to draw Socio-economic status.

Our present study area :

The present study area has been undertaken at micro level in Aloo villages of Naggan tehsil (Manali) of Kullu district of Himachal Pradesh.

CHAPTER - 2

STATE OF HIMACHAL PRADESH : KULLU : MANALI

NAGGAR : ALEO VILLAGE AT A GLANCE

- Himachal Pradesh
- Kullu
- Manali
- Naggar Tehsil
- Aleo village at a glance

CHAPTER - 2

State of Himachal Pradesh : kullu ; Manali ; Naggar ; Aleo
village at a glance :

Himachal Pradesh :

Nestled in the Himalayas, the north Indian State of Himachal Pradesh is divided into 12 districts, the Revenue department of which is headed by a Deputy Commissioner or District Magistrate, an officer belonging to the Indian Administrative Service.

The old name of Himachal Pradesh was 'Trigarta'. The state lay in the foothills drained by three rivers i.e. Ravi, Beas and Satluj and hence the name. It is believed to have been an independent republic.

Kullu :

Kullu is a district in Himachal Pradesh India. It borders Rampur district to the south, Mandi and Kangra districts to the west, and Lahaul and spiti districts to the north and east. The largest valley in this mountainous district is the kullu valley. Kullu was declared to be a district of Punjab in 1963 and on November 01, 1966 it became a district of Himachal Pradesh.

Kullu is situated at an altitude of 1230m and is adored by people who love nature. It is famous for being the sister town of Manali, which is nestled at a much greater altitude and provides even more stunning views.

Manali :

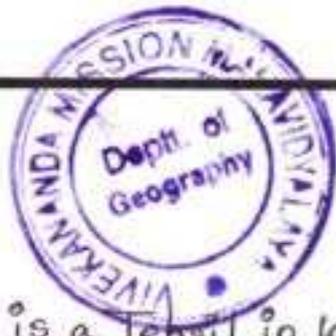
Nestled in the Himalayas in the north Indian state of Himachal Pradesh. Manali is a charming hill station. A part of the northern end of the Kullu valley, it is situated by the Beas river at a height of 1926m above sea level.

Manali is one of the most attractive tourist spot not only of Himachal Pradesh but of International fame also. Manali is synonymous streams and birdsong, forests and orchards and grandees of snow-capped mountains.

The exotic valleys of Manali is the natural home to several indigenous tribes of the region. The different ethnic tribes follow distinctive cultural patterns and social customs. The tribal community of Kinnaur is one of the prominent indigenous local inhabitant of the valley.

The local language in Manali is part of the group of language known as 'Western Pahari'. A Hindi dialect, which is derived from Sanskrit and Prakrit Pahari has a number of local variations. The version spoken in Manali is known as 'Mandiali'.

Some say that during the 17th century the idol of Lord Raghunathji was bought by Raja Jagat Singh to his throne who till now a presiding deity and king of Manali.



Naggan Tehsil :

Naggan is a Tehsil in Kullu District of Himachal Pradesh state, India. Naggan Tehsil Head quarters is Naggan. It is in the 1183 mt. elevation (altitude). Hindi is the local languages here. Naggan Tehsil comes under Manali parliament constituency.

Aleo Manali Hydropower :

Aleo small Hydropower project has been contemplated as run of river scheme near Manali town in Kullu district of Himachal Pradesh. The scheme envisages utilization of 1.33 cumec discharge of Allain Nala by developing a head of 200.4 M for 3000 kW small Hydropower project (SHP) ALEO near Aleo village close to Manali.

Aleo Manali Power statistics :

Operating since 2005, 12.680 Million kWh annually 3000 kW Capacity.

Details of the Aleo Manali Power :

Aleo small Hydropower Project (SHP) has been contemplated as Run-of-River scheme on Allain Nala near Manali Town in Kullu District of Himachal Pradesh. Allain Nala is a tributary of Beas River and it meets Beas river from its left bank near village Aleo, about 2 km down stream of Manali town.

at an Elevation of $\pm 1800\text{m}$. The scheme is approachable through motorable road right upto the proposed power house location, Scheme.

Aleo village at a glance:

Location name : Aleo (our present study area)

Tehsil name : Naggan

District : Himachal Pradesh

Language : Hindi

Time zone : IST (UTC + 5:30)

Elevation/Altitude : 1189 meters Above Sea Level

Latitude : 32.23502°N

Longitude : 77.196131°E

Assembly Constituency : Manali assembly constituency.

Parliament MP : Ram Swaroop Sharma

Pin Code : 175103

Post office name : Bahang (Postal Head office)

Main village : Vashist (4km)

Other places connected with Aleo : Nasogi (3km)

Jagatsukh (4km), Gojra (6km), Brian (8km),

Telephone Code/STD Code : 01902

Aleo weather : 06/11/2022 to 07/11/2022

Temperature : 2.4°C

Clear sky

Humidity : 68%

Wind : 5 m/s towards NE

Station name : Manali

Observed on 1 hours back.

Rivers Near Aleo :

1. Dugli Nala
2. Parvathy River

National Highways Reachable to Aleo :

1. National Highway : NH 154A
2. National Highway : NH 3

Aleo is a small village/hamlet in Naggan Tehsil in Kullu District of Himachal Pradesh state, India. It comes under Vashisht Panchayath.

A verdant, hilly district along side the Beas River, Aleo is popular its panoramic mountain views. Restaurants in the area's many hotels and resorts include rooftop terraces, stylish spots for North Indian and Chinese Cuisine, and no-frills eateries dishing up roti, rice and curry.

The ABVIMAS institute runs mountaineering courses and has a small museum showing artifacts like old snowshoes and climbing equipment.

CHAPTER - 3

PHYSICAL PERSPECTIVE OF ALEO VILLAGE

MANALI

- Geography of Manali
 - Location of Manali
 - Topography of Manali
- Geography of Manali
- Climate of Manali
 - Precipitation
 - climatic time Period of Manali
 - Seasons of winter
- Soils of Manali
- Minerals of Manali
- Natural vegetation and wild life of Manali.

CHAPTER - 3

Physical perspective of Aloo village, Manali, Himachal Pradesh

Geography of Manali :

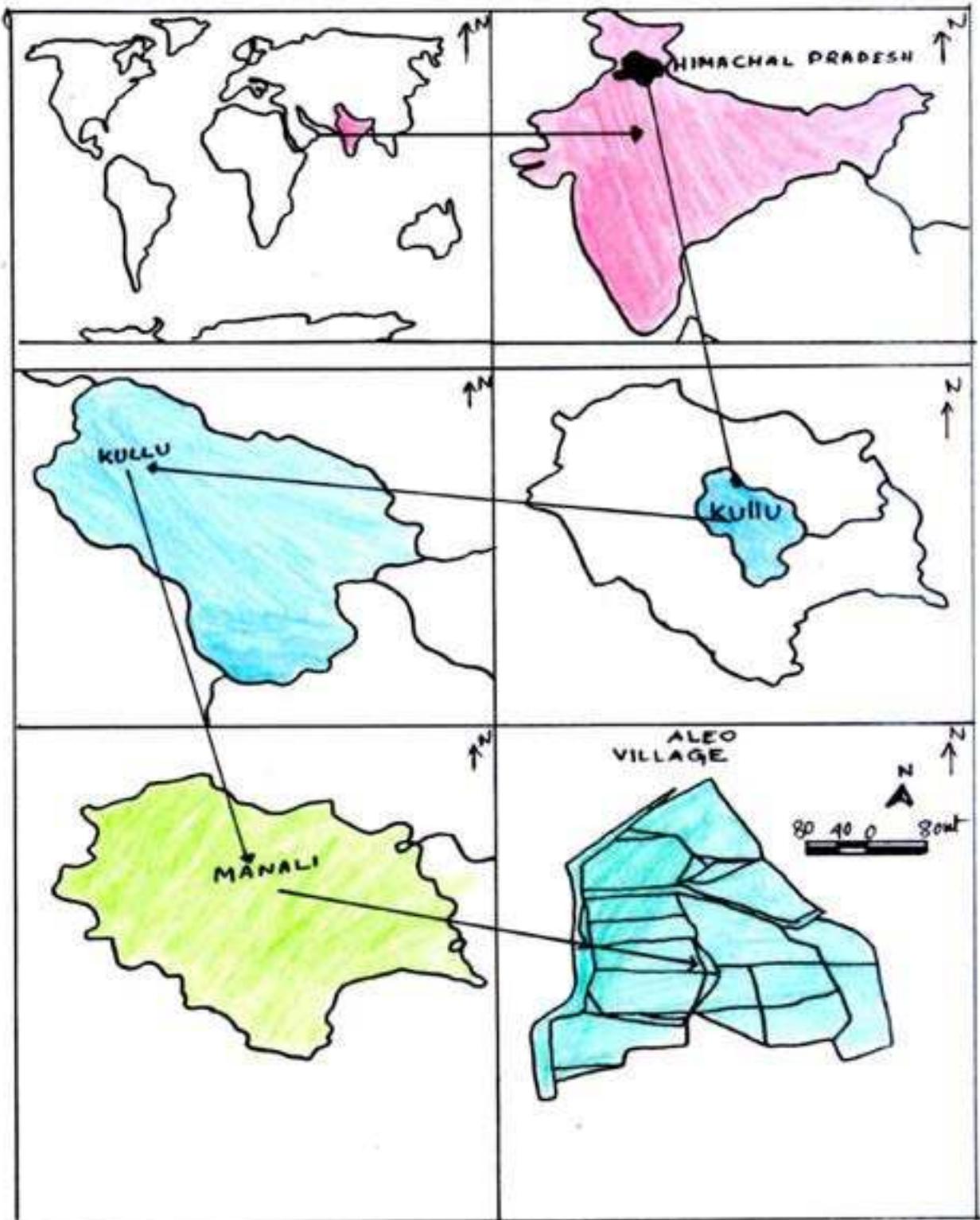
The geography of Manali is such as that it is located about at a distance of 40 km from Kullu in the Indian state Himachal Pradesh. The elevation ranges from 1800 m (5900 ft) to 2000 m (6600 ft). It has a complex and variable topography with verdant valleys, forested hillsides and streams. The Sutlej and Beas Rivers cross through the grassy meadows and rocky terrain. Manali offers access to the Lahaul, Spiti and Kinnaur regions of Himachal Pradesh as well as the Leh and Zaskar regions of Jammu and Kashmir.

Topography of Manali :

Topographically, Manali is perched on the left Himalaya rise from the bed of pre-Historic Ocean of Tethys. Manali is actually sandwiched between two very prominent ranges of Himalaya, the Dhauladar Ranges and the Pir-punjal ranges. Manali elevation is 6398 ft. or 2050 metres.

- LOCATION : Manali-Kullu - Himachal Pradesh 175131, India (about 547 km north of New Delhi)
- LATITUDE : 32.2306 N
- LONGITUDE : 77.1887 E
- AVERAGE ELEVATION : 2609 mt.
- MINIMUM ELEVATION : 1718 mt.
- MAXIMUM ELEVATION : 4017 mt.

LOCATION MAP OF OUR STUDY AREA



Geology of Manali :

- The area under investigation comprises of precambrian meta sedimentary now uncovered in the profoundly eroded 'Kullu Rampur window' under the crystalline thrust sheets.
- The geology of the area has been divided into three units - Manikaran quartzites, green bed members and Bhalar member under Banjar formation which includes various high grade gneiss and schist, pegmatite, migmatite, granite and quartz veins along with carbonaceous phyllite, quartzite and lime stone bands



Climate of Manali - Aleso village :

Manali features a subtropical highland climate (Cfb) with warm summers, relatively cold winters and a high diurnal temperature variations. The temperature range from -7°C (19°F) to 30°C (86°F) over the year with the hottest day crossing 30°C (86°F) and the coldest day going below -7°C (19°F).

Climate time period of Manali :

Climate Seasons	Min/Max Temp.	Season
March to June	$10-25^{\circ}\text{C}$	Summer Comfortably warm
July to September	$10-16^{\circ}\text{C}$	Monsoon Heavy and torrential rainfall
October to February	-1°C	Winter chilly

- Monthly precipitation varies between 31 mm (1.2 inch) in November and 217 mm (8.5 inch) in July. On average, some 45 mm (1.8 inch) of precipitation is received during winter and spring months, increasing to 115 mm (4.5 inch) in Summer as the monsoon approaches. The average total annual precipitation is 1363 mm (53.7 inch). Manali experiences snowfall predominantly between December and the beginning of March.

- Winter in snowy Manali is enchanting. Winter starts setting in from October. December and January the coldest months of the year. Temperature often drops to -2°C accompanied by snowfall.

- In November in Manali, India the average high temperature is 24.5°C (76.1°F) and the average low temperature is 11.4°C (52.5°F). The average heat index which factors the actual air temperature with the relative humidity in October is calculated to be 28°C (82.4°F). Thus, Himalayan brown bears and snow leopard are still found here.

- The vegetation type, as classified by Champion and Seth (1968) is as follows: Alpine Pastures, Kharsu Oak Forest, Moist Temperate Deciduous Forest, Western Mixed Coniferous Forest. Juniper *Juniperus communis* is present above the tree-line, along with Rhododendron.

Soils of Manali :

Aleo village : The major soils of Manali Aleo village are humus and iron podzols, These soils confined to the parts of Shimla, Dalhousie and Manali. These soils have dark coloured and have very high organic matter. These soils are also acidic in reaction and their colour varies from reddish brown to yellowish brown. These soils have heavy texture from clay loam to silt loam and silty clay.

Minerals of Manali :

In Manali region of Kullu district natural mineral water resources are found that contains Sodium, magnesium, calcium chloride, sulphates, phosphates and iron.

Natural Vegetation Map (H.P)



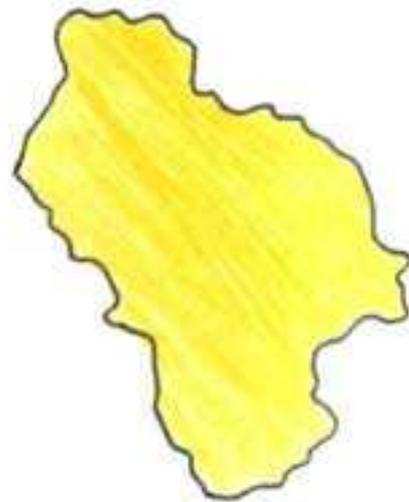
Natural Vegetation Map of Kullu



Soil of Himachal Pradesh



Soil Map of Kullu



Soil (pH) Map of Kullu



Natural vegetation and wildlife of Manali -

Aleo village :

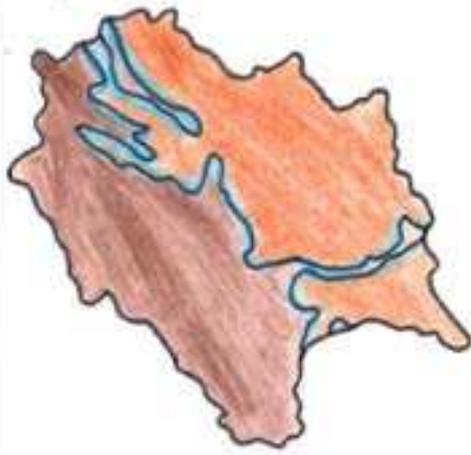
The variety of forests like sal, mahodendron, oak, fir, deodar, birch and pines are the pride of Manali. These forests shelter for large numbers of wild animal and birds. Wildlife among which some species like the musk deer, ibex is accessible from state Highway (Manali - Naggar Road) on the left bank of the Beas River and is about 2 km from Manali and 40 km from Kullu.

Hydrology :

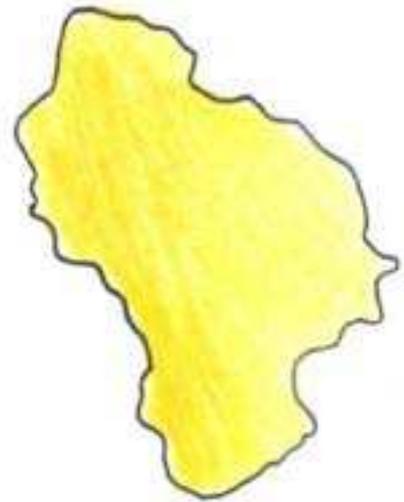
Allain Nala originates from an altitude of 6000 meters above MSL and has a catchment area of 144.7 Sq. km before its confluence with Beas River. A major HydroElectric project was proposed on Allain Nala (Allain - Dhungan 192 MW), which envisaged utilisation of Allain Nala discharge by constructing a barrage on Allain Nala at an elevation of ± 2747 m.

The 192 MW project was commissioned in the year 2009. Therefore full discharge (catchment area 142.65) of Allain - Nala became available for power generation in the Aleo SHP project from the year 2008.

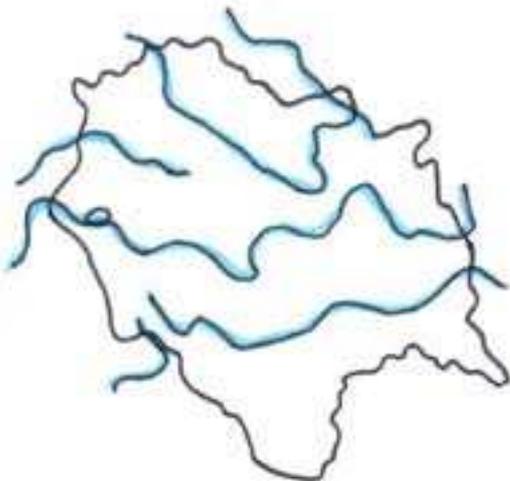
Drainage Himachal Pradesh
Physical Map



KULLU PHYSICAL MAP



Drainage Map of Himachal Pradesh



Drainage Map of Kullu



Environment and Ecology :

Also small Hydel scheme is a run-of-river - Hydel schema, which involves no storage. There is no submergence of forest and cultivated land due to the construction of any components of the scheme. Moreover the project does not involve the highly sensitive issues of displacement of people due to the construction of the project.

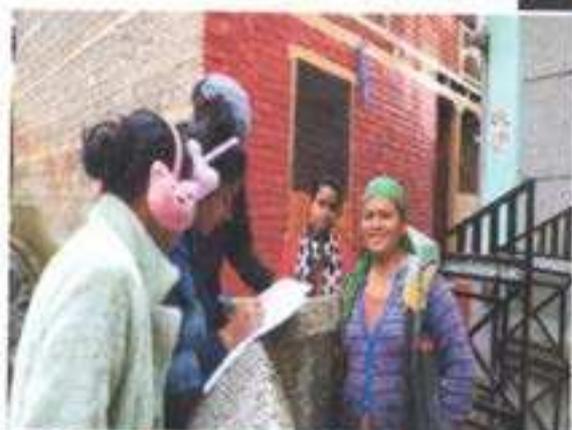
The infra-structure facilities for the scheme and its construction and maintenance staff did not cause any adverse effect on the environment. The desilting arrangements, water conductor system and forebay are planned to be founded on geologically sound formations.

CHAPTER - 4

DATA ANALYSIS AND ITS REPRESENTATION AT ALEO VILLAGE

Table No. : 1	Temperature distribution
Table No. : 2	Rainfall - temperature Graph
Table No. : 3	Nationality of the house holds
Table No : 4	Religious Pattern
Table No : 5	Mother tongue of house holds
Table No : 6	Caste structure
Table No : 7	Type of Family
Table No : 8	Sex Pattern
Table No : 9	Age - Sex Composition
Table No : 10	Present age of the family members
Table No : 11	Marital Status
Table No : 12	Literacy
Table No : 13	Educational Qualification
Table No : 14	No of death in the last 10 years
Table No : 15	No of birth last 10 years
Table No : 16	Occupational structure
Table No : 17	Employment Pattern
Table No : 18	Monthly income of the family
Table No : 19	Amount of monthly expenditure
Table No : 20	Land ownership
Table No : 21	Migration
Table No : 22	House type
Table No : 23	Types of building materials
Table No : 24	Dwelling

Table No : 25	Garbage disposal
Table No : 26	Sources of cooking fuel
Table No : 27	Major Problems in the study area
Table No : 28	Sources of drinking water
Table No : 29	Sources of lighting
Table No : 30	Presence of kitchen room
Table No : 31	Presence of separate bathroom
Table No : 32	Types of latrine
Table No : 33	Assets for enjoyment
Table No : 34	Rationing facility
Table No : 35	Types of ration card
Table No : 36	Types of ration
Table No : 37	Facilities provided by this area
Table No : 38	Banking facility
Table No : 39	Medical facility from Govt.
Table No : 40	Types of Medical facility
Table No : 41	Major diseases of the study area
Table No : 42	Other Problems in the study area
Table No : 43	Benefited by National Scheme
Table No : 44	Relief during natural hazards
Table No : 45	Presence of agricultural land
Table No : 46	Irrigation facility
Table No : 47	Problems of irrigation
Table No : 48	Types of irrigation
Table No : 49	Types of Cropping Pattern
Table No : 50	Use of fertilizer
Table No : 51	Types of Fertilizers
Table No : 52	Better transport facilities for agriculture
Table No : 53	Facility of extra crop storage
Table No : 54	Facility of Govt. loan for agriculture
Table No : 55	Type of seeds for agriculture



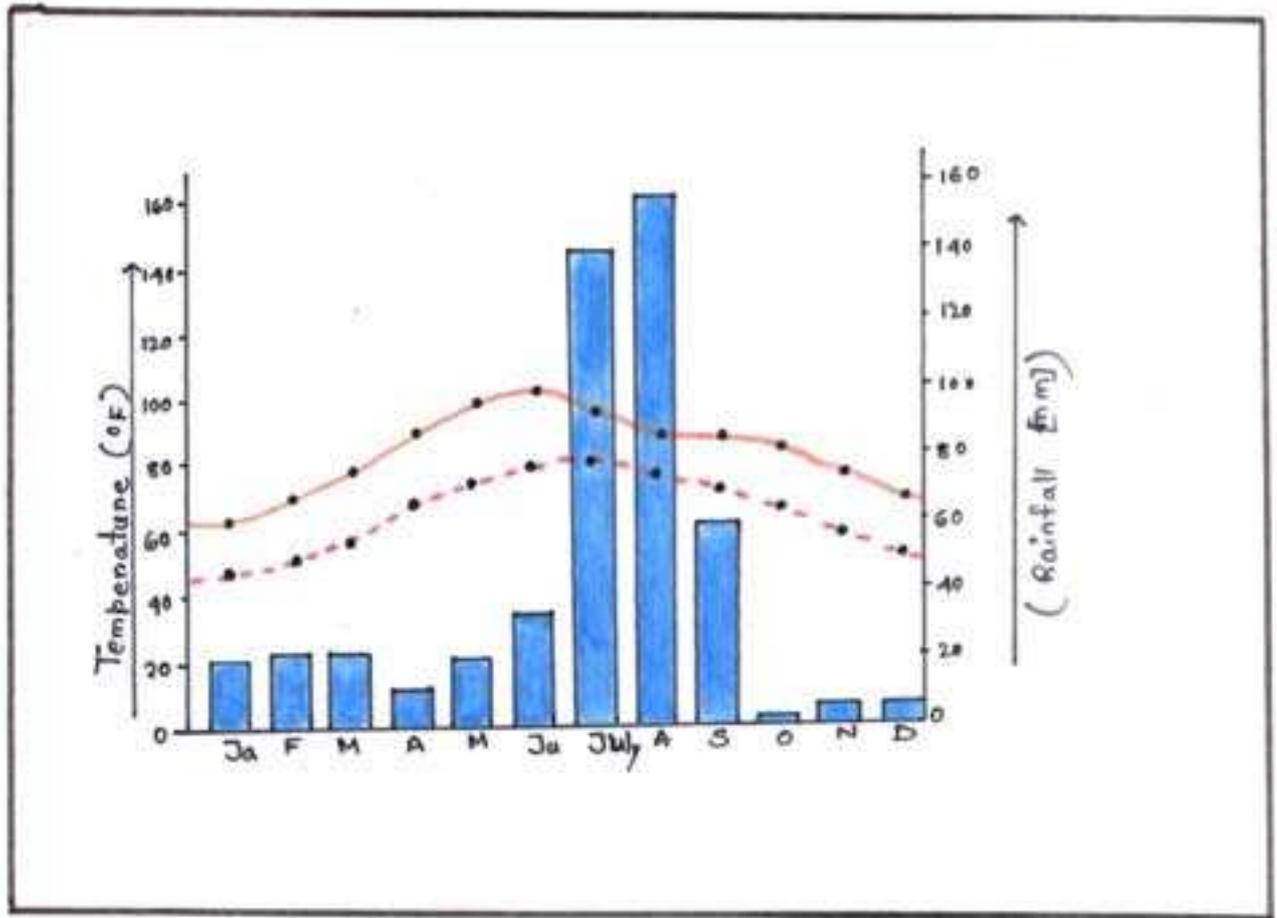
HOUSE HOLD SURVEY

Temperature and Rainfall Graph Aloo Village
Manali, Himachal Pradesh

Month	Max. Temp (or)	According to scale & cm to 20	Minimum temp (or)	According to scale & cm to 20	Average precipitation (mm)	According to scale & cm to 20
January	63.19	3.15	16.96	2.34	21.45	1.07
February	86.56	3.1	50.95	2.54	22.94	1.14
March	76.37	3.81	56.84	2.84	22.7	1.13
April	89.28	4.46	67.26	3.36	13.04	0.6
May	96.69	4.81	72.99	3.64	20.81	1.04
June	100.27	5.03	79.93	3.99	34.82	1.74
July	92.8	4.68	78.48	3.94	142.03	7.10
August	87.3	4.36	75.25	3.76	158.64	7.9
September	86.25	4.31	71.83	3.59	61.05	3.05
October	83.93	4.19	68.08	3.20	2.01	0.1
November	75.25	3.76	57.33	2.86	7.72	0.3
December	66.87	3.34	50.07	2.50	7.16	0.3

Temperature and rainfall graph Aleo village, Manali

N
↑



Scale	Horizontal Scale 0.6cm to 1 month	
	Vertical Scale	1cm to 20°F temperature
		1cm to 20mm Precipitation

INDEX	
	Rain fall
	Maximum temp
	Minimum temp

Nationality of the house hold.

Nationality	No	%	Degree
Indian	46	92	331.2
Nepali	4	8	28.8
Total	50	100	360°

The above table represents the 'Nationality of the house hold'. The data reveals that 92% people get Indian and 8% people get nepali of our study area Aleo village, Manali.

Religious Pattern

Religion	No	%	Degree
Hindu	44	88	316.8
Buddhist	1	2	7.2
Sikh	5	10	36°
Total	50	100	360°

The above table reveals that 'Religious pattern' of the people of our study area. The data represents that out of 100%, Hindu people is 88%, Buddhist people is 2%, and Sikh people is 10%.

Calculation for Nationality of house holds

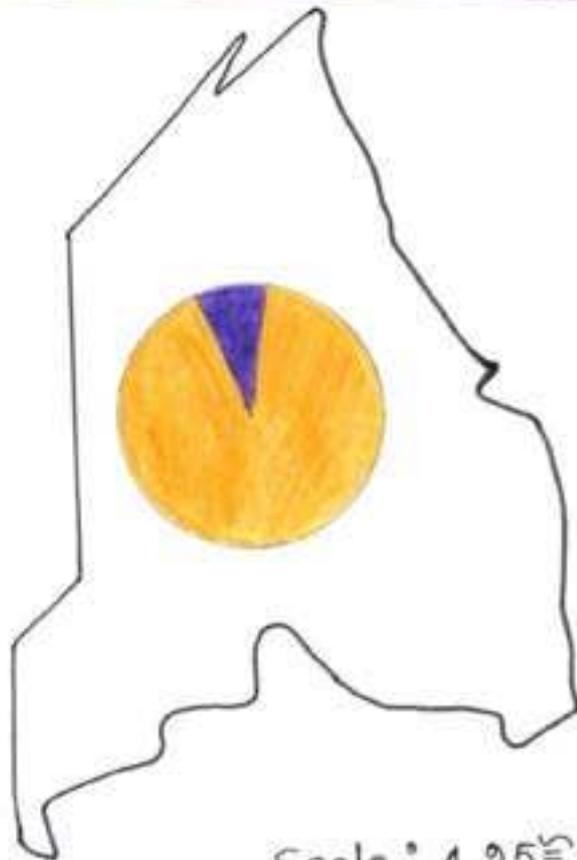
Nationality	No.	Total	$n = \sqrt{\frac{T}{K}}$	Scale	Degree
Indian	46	50	3.9	1.95 cm \cong 2 unit	331° 12'
Nepali	4				28° 48'

Calculation for Religious Pattern

Religion	No	Total	$n = \sqrt{\frac{T}{K}}$	Scale	Degree
Hindu	44	50	3.9	1.95 cm \cong 2 unit	316° 48'
Buddhist	1				7° 12'
Sikh	5				36°

Pie chart

SHOWING THE NATIONALITY OF HOUSE HOLDS

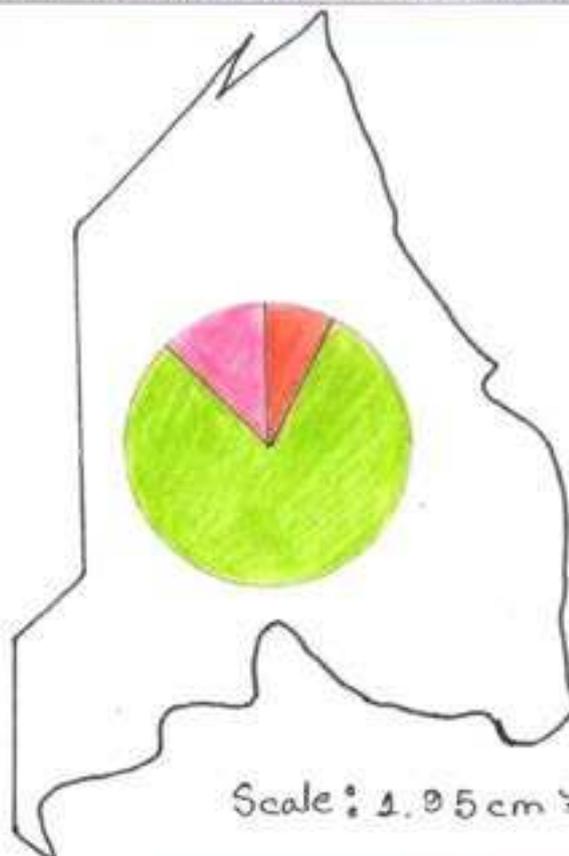


Scale : 1.95 cm \approx 2 Unit

INDEX	
Nationality of house hold	
	Indian
	Nepali

Pie chart

SHOWING THE RELIGIOUS STRUCTURE



Scale : 1.95 cm \approx 2 Unit

INDEX	
Religious Structure	
	Hindu
	Buddhist
	Sikh

Caste Structure

Caste	No.	%
SC	7	14
ST	3	6
OBC	3	6
GEN	37	74
Total	50	100

The table deals with the 'Caste Structure' of 50 house holds of Aloo village of Himachal Pradesh. The data reveals that 14% people are SC, 6% people are ST, 6% people are OBC. and 74% people are General caste.

Type of Family

Type of Family	No.	%
Nuclear	13	26
Joint	28	46
Extended	14	28
Total	50	100

Shows the 'Type of Family' of the people. our present study area. The data represents that out of 100% maximum people i.e. 26% belong to Nuclear family 46% belong to Joint Family and 28% belong extended Family.

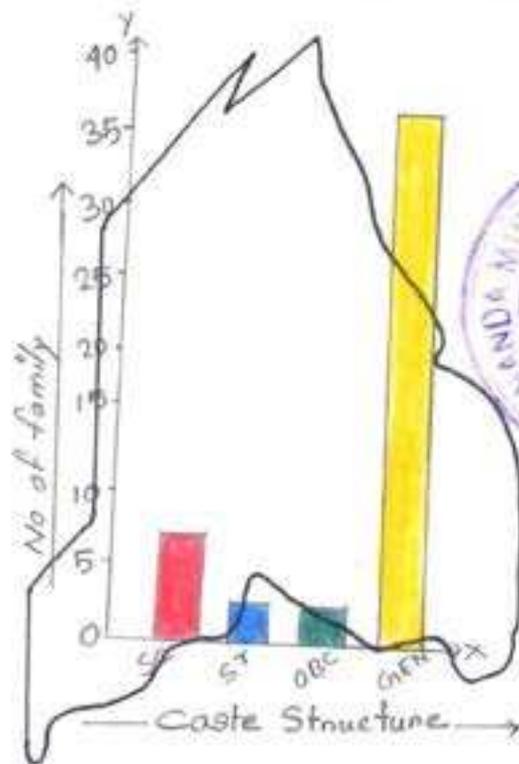
Calculation for Caste structure

Caste	No of Caste	Scale selection	According to Scale
SC	7	1 cm to 10 unit	0.7
ST	3		0.3
OBC	3		0.3
GEN	37		3.1
Total →	50		

Calculation for Types of family

Types of family	No.	Total	$R = \sqrt{\frac{T}{n}}$	Scale	Degree
Nuclear	13	50	3.9	1 cm = 1.95 Unit	93°36
Joint	23				165°36
Extended	14				100°48

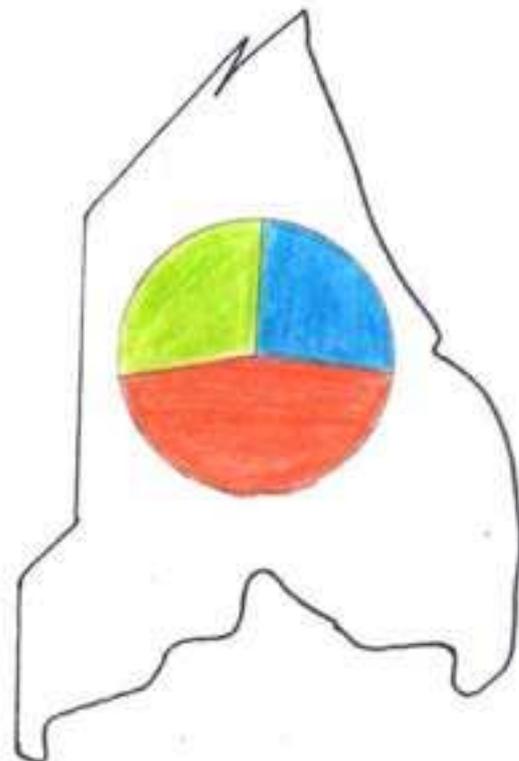
BAR GRAPH
SHOWING THE CASTE STRUCTURE



INDEX	
CASTE STRUCTURE	
●	SC
●	ST
●	OBC
●	GEN

Scale 1cm \cong 5unit

Pie Chart
SHOWING THE TYPES OF FAMILY



INDEX	
Types of family	
●	Nuclear
●	Joint
●	Extended

Scale : 1cm \cong 1.95 unit

Sex Pattern

Sex Pattern	No.	%
Male	129	52.87
Female	155	47.13
Total →	284	100

The above table represents the 'Sex Pattern'. The data reveals that 52.87% people belong to male category and 47.13% people belong to female category.

Occupational Structure

Occupational Structure	No.		%	
	M	F	M	F
No. of working population	93	47	72.09	40.87
No. of non working population	36	68	27.91	59.13
Total →	129	115	100	100

Shows the occupational structure of the people of our present study area. The data represent that out of 100% maximum people i.e. Male constitute 72.09% of the working population, Female constitute 40.87% of the working population. Male constitute 27.91% of the non working population and female constitute 59.13% of the non-working population.

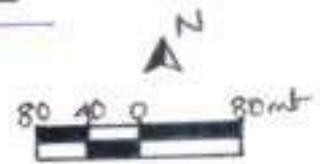
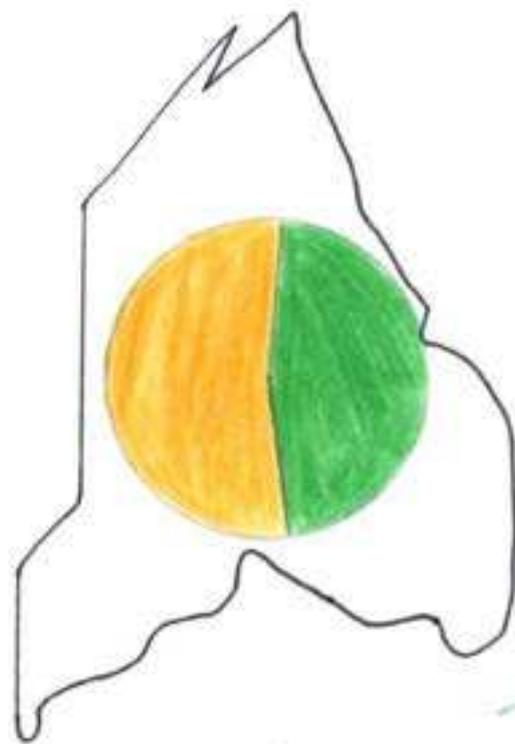
Calculation of Sex Structure/Pattern

Sex Pattern	NO	Total	$n = \sqrt{\frac{T}{n}}$	Scale	Degree
Male	129	244	8.8	2.22 Unit \approx 1cm	190° 11'
Female	115				169° 4'

Calculation of Occupational Structure

Occupational Structure	No. of Working Population	According to Scale 1cm to 20	No. of Non Working Population	According to Scale 1cm to 20	Total	According to Scale 1cm to 20
Male	93	4.65	36	1.8	129	6.43
Female	47	2.35	68	3.4	115	5.75

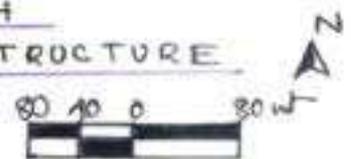
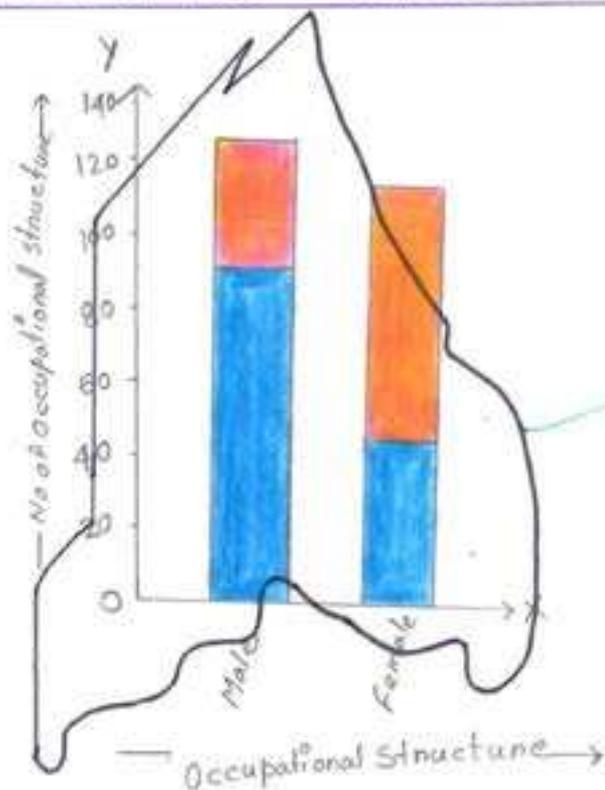
Pie chart
SHOWING THE SEX STRUCTURE



INDEX	
SEX structure	
●	Male
●	Female

Scale: 1cm \cong 2.22 unit

COMPOUND BAR GRAPH
SHOWING THE OCCUPATIONAL STRUCTURE



INDEX	
Occupational Structure	
●	NO. of male non-working Population
●	No. of female working Population
●	NO. of female non-working Population
●	No. of female working population

No. of birth last 10 years

Last 10 years birth rate	No.	%
Female	8	53.3
Male	7	46.67
Total	15	100

Represents the No. of birth rate last 10 years of the present study area i.e. Aloo village of Manali in Himachal Pradesh. The data shows that out of 100% female birth rate of last 10 years is 53.3% and male birth rate of last 10 years is 46.67%.

No. of death in the last 10 years

Last 10 years death rate	No.	%
Female	4	40
Male	6	60
Total	10	100

Shows the No. of death in last 10 years in the present study area i.e. Aloo village of Manali in Himachal Pradesh. From the above data we concluded that out of 100% the death of female is 40% and death of male is 60%.

Calculation for No. of birth rate last 10 years

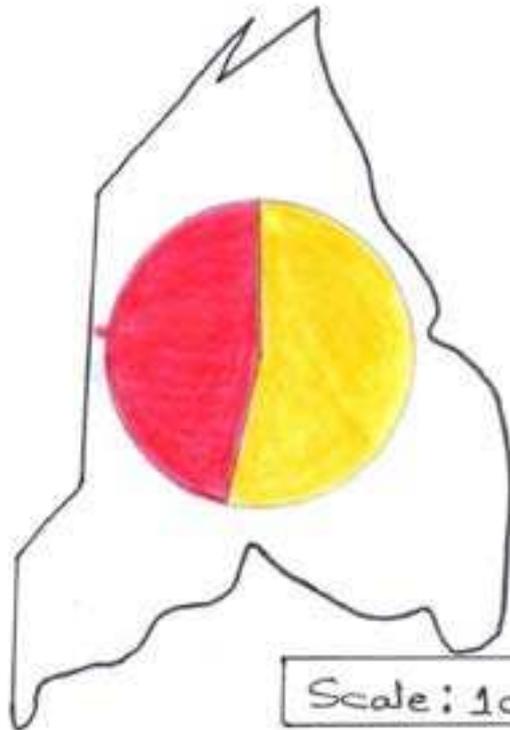
Last 10 years birth rate	No.	Total	$R = \sqrt{\frac{T}{n}}$	According to scale	Degree
Female	8	15	2.1	1cm \cong 2.1 Unit	192°
Male	7				168°

Calculation for No. of death rate last 10 years

Last 10 years death rate	No.	Total	$R = \sqrt{\frac{T}{n}}$	According to scale	Degree
Female	4	10	1.7	1cm \cong 1 Unit	144°
Male	6				216°

Pie Chart

SHOWING THE NO. OF BIRTH RATE

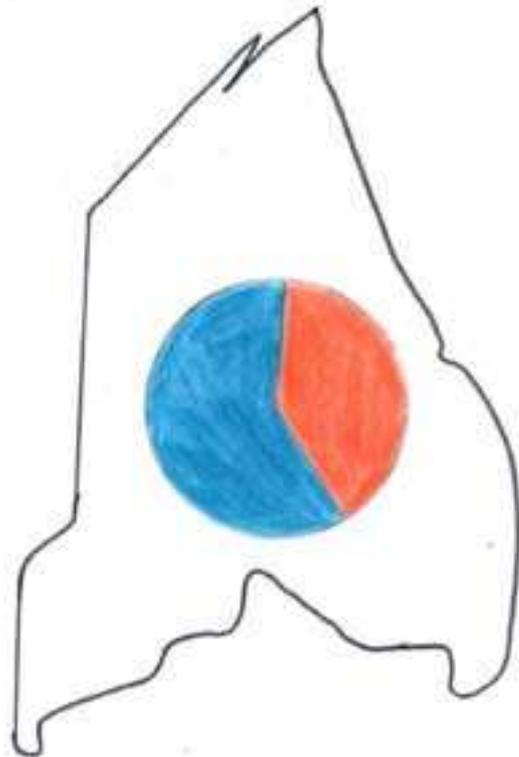


Scale: 1cm \cong 2.1 Unit

INDEX	
NO. of birth rate	
Male	
Female	

Pie Chart

SHOWING THE NO. OF DEATH RATE



Scale: 1cm \cong 1 unit

INDEX	
NO. of death rate	
Male	
Female	

Educational Qualification

Educational Qualification	No.		%	
	M	F	M	F
Primary 0-4	3	8	2.42	8.16
V to X	32	33	25.81	33.67
H.S	38	27	30.65	27.55
Graduate	27	21	21.77	21.43
PG	11	2	8.87	2.04
TEC	2	2	1.61	2.04
Others	11	5	8.87	5.10
Total →	124	98	100	99.99
	124 + 98 = 222			

Represent the 'Educational Qualification' of the present study i.e. Ateo village of Manali of Himachal Pradesh. The data show that out of 99.99%, Primary 0-4 males 2.42% qualification and Female 8.16% qualification. 'H.S' males 30.65%, Female 27.55% qualification, 'graduate' males 21.77%, Female 21.43%, 'P.G' males 8.87%, Female 2.04%, TEC males 1.61% Females 2.04% and others 8.87% male 5.10% Females educational qualification.

Literacy

Literacy	No	%
Literate	222	90.98
Unliterate	22	9.02
Total →	244	100



The above table represents the 'Literacy' the data reveals that 90.98% people are literate, 9.02% people are unliterate.

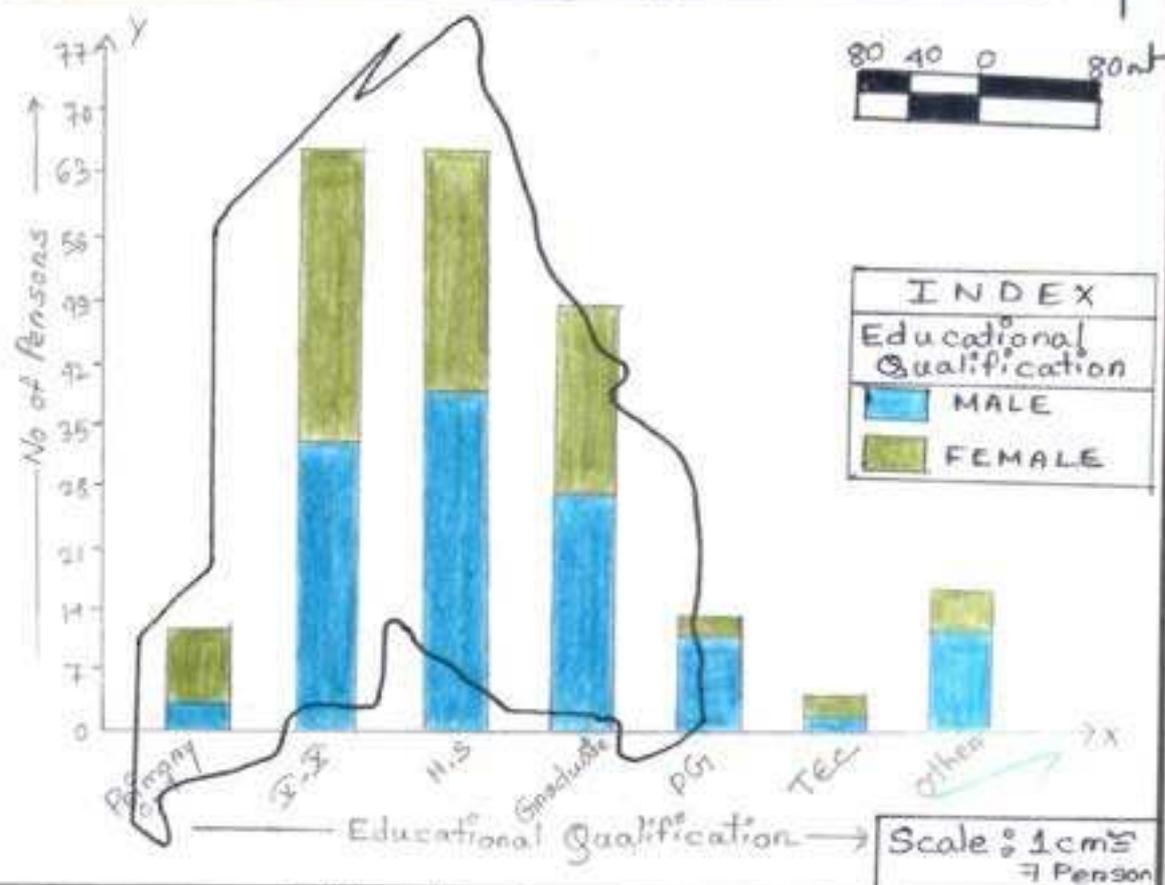
Calculation of Educational Qualification

Educational Qualification	Male	Female	Total	Scale	Male	Female	Total
Primary 0-4	3	8	11	1 cm = 7 persons	0.43	1.14	1.57
V to X	32	33	65		4.57	4.71	9.28
H.S	38	27	65		5.43	3.86	9.29
Graduate	27	21	48		3.86	3	6.86
PG	11	2	13		1.57	0.29	1.86
Tec	2	2	4		0.29	0.29	0.58
others	11	5	16		1.57	0.71	2.28

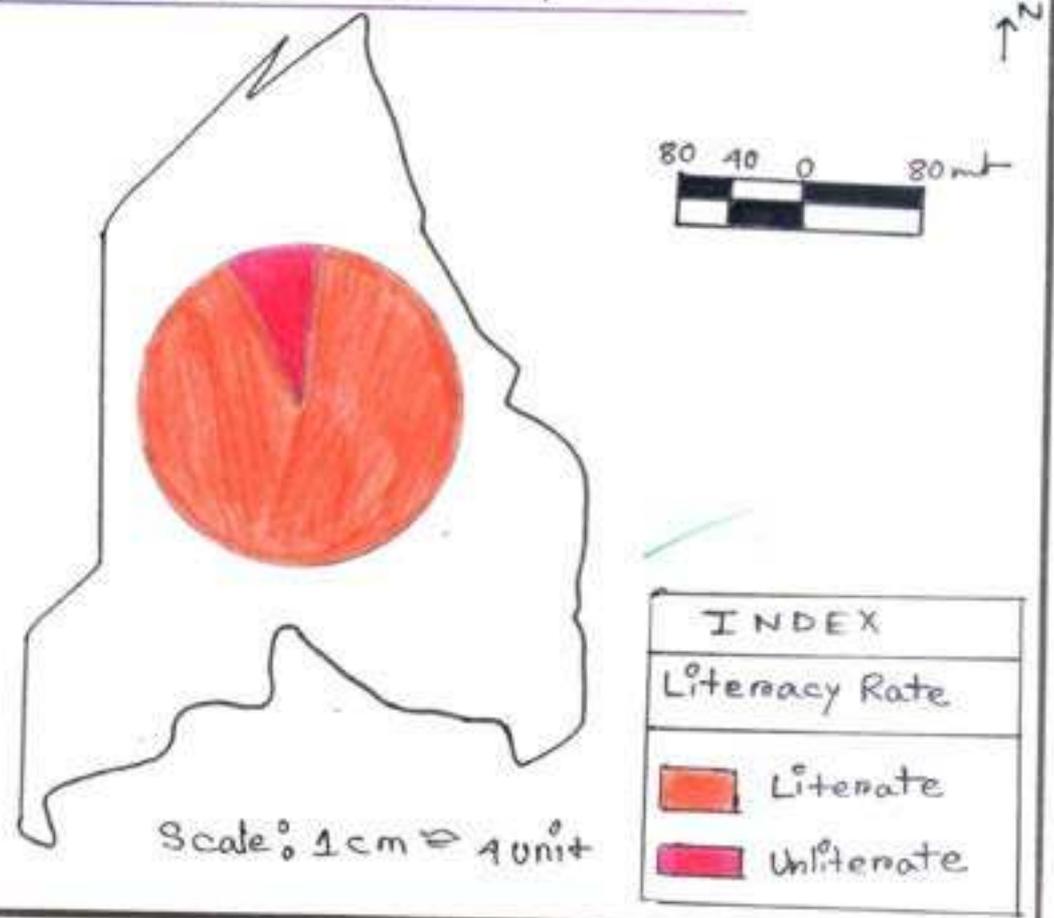
Calculation of Literacy Rate

Literacy Rate	No. of Literacy Rate	Total	$R = \sqrt{\frac{T}{n}}$	According to Scale	Degree
Literate	222	244	8.8	1 cm to 4 Unit	327° 32'
Unliterate	22				32° 27'
				= 2.22 u	= 360°

COMPOUND BARGRAPH
SHOWING THE EDUCATIONAL QUALIFICATION



Pie Chart
SHOWING THE LITERACY RATE



Land ownership

House hold Land	No.	%
	Yes/No	Yes/No
yes	47	94
NO	3	6
Total	50	100

The table deals with the 'Land ownership' of the present study area. The data analysis represents that out of 100% maximum people i.e. 94% gave positive response and maximum i.e. 6% gave negative response about the medical facility from Govt.

Migration

Migration	No.	%
Yes	8	16
No	42	84
Total	50	100

Represents the no. of migration in last 10 years of our present study area i.e. Ates village of Manali in Himachal Pradesh. The following data reveals that 84% people are permanent dwellers and 16% people migrated from the state or countries.

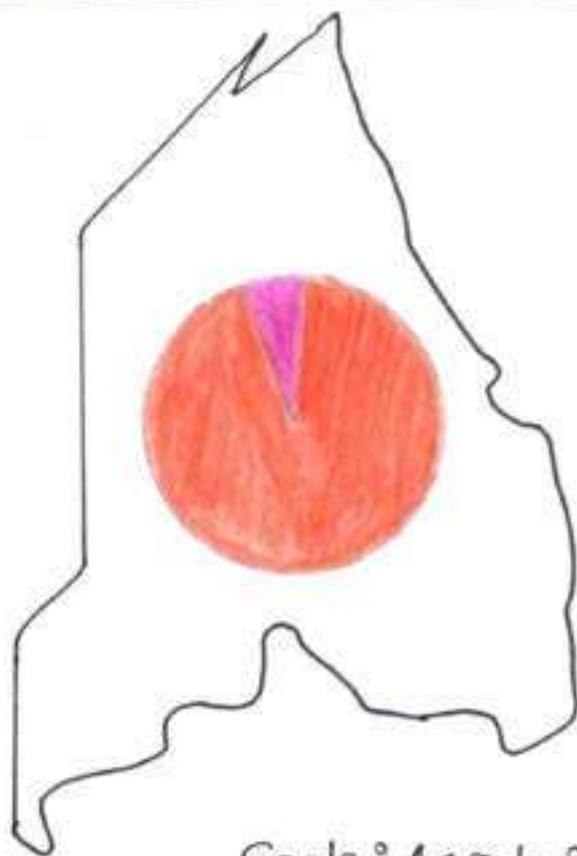
Calculation of land Ownership

House hold Land	No.	Total	$n = \sqrt{\frac{T}{k}}$	Scale Selection	According to Scale	Degree
yes	47	50	3.99	1cm to 2 Unit	2	338°24'
NO	3					21°36'

Calculation of Migration

Migration	No.	Total	$n = \sqrt{\frac{T}{k}}$	Scale Selection	According to Scale	Degree
yes	42	50	3.99	1cm to 2 Unit	2	302°24'
NO	8					57°36'

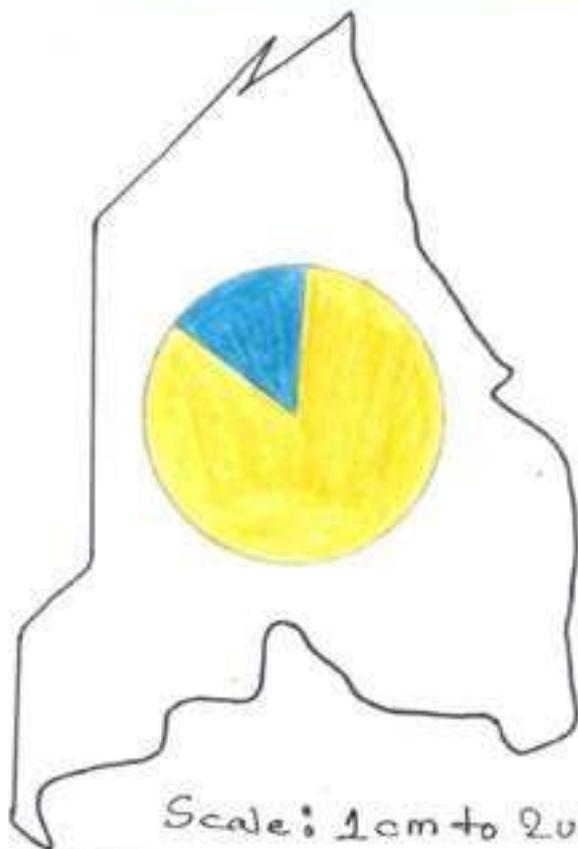
Pie chart
SHOWING THE LAND OWNERSHIP



INDEX	
Land Ownership	
Red	Yes
Pink	No

Scale: 1cm to 2 unit

Pie chart
SHOWING THE MIGRATION



INDEX	
MIGRATION	
Yellow	Yes
Blue	No

Scale: 1cm to 2 unit

House Type

House Type	No.	%
Pacca	27	54
Semi Pacca	19	38
Kutchha	2	4
Under construction	2	4
Total	50	100

The above data mentioned type of houses present in the village of Aloo in Himachal Pradesh. From the present study data we represent that in the village 54% Pacca house, 38% Semi Pacca, 4% Kutchha, 4% under construction.

Types of building material

Material	No.	%
Brick	29	23.77
Wood	19	15.57
Stone	39	31.97
Others	35	28.69
Total	122	100

Represents the types of building material required to build house of our present study area i.e. Aloo Village of Himachal Pradesh from the above mentioned data we concluded that the materials brick 23.77%, wood 15.57%, stone 31.97%, others 28.69% are used to build most of the building.

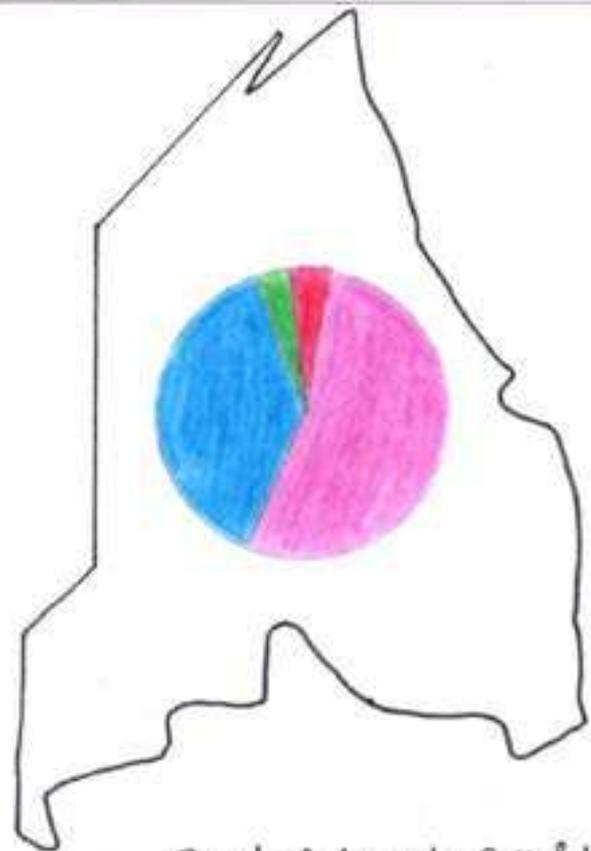
Calculation for House Type

House Type	No.	Total	$n = \sqrt{\frac{I}{K}}$	Scale Selection	According to Scale	Degree
Pacca	27	50	3.99	1cm to 2 Unit	2	194°24'
Semi Pacca	19					136°48'
Kutch	2					14°24'
Under Construct _{ion}	2					14°24'

Calculation for Types of building Materials

Name of materials	No.	Scale Selection	According to Scale
Brick	29	1cm to 5 Unit	5.8
Wood	19		3.8
Stone	39		7.8
other	35		7.0

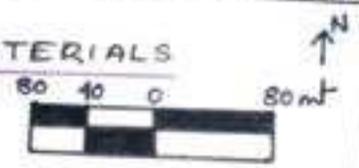
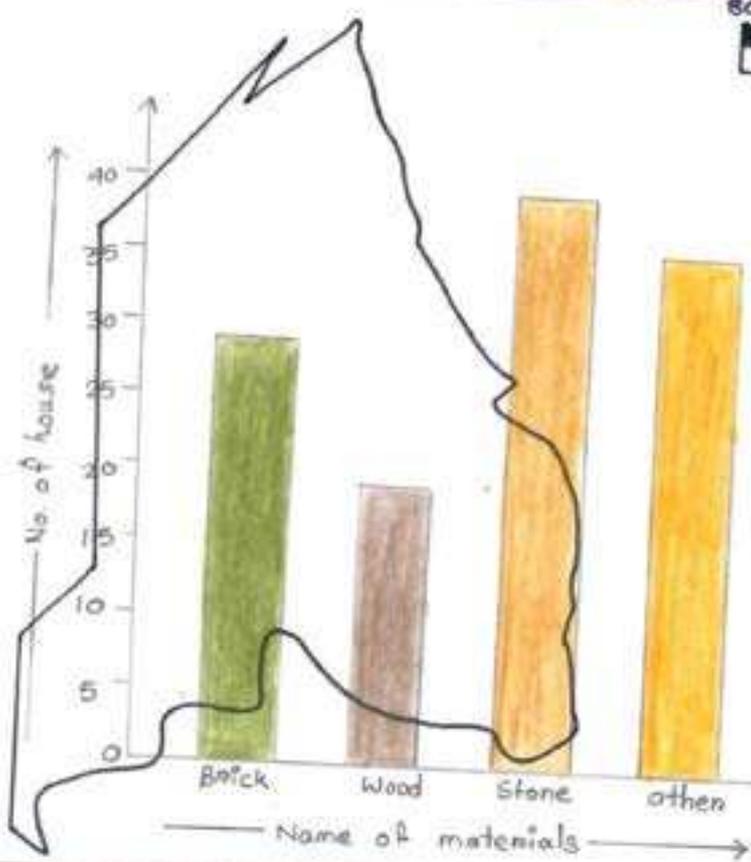
Pie Chart
SHOWING THE HOUSE TYPE OF ALEO VILLAGE.



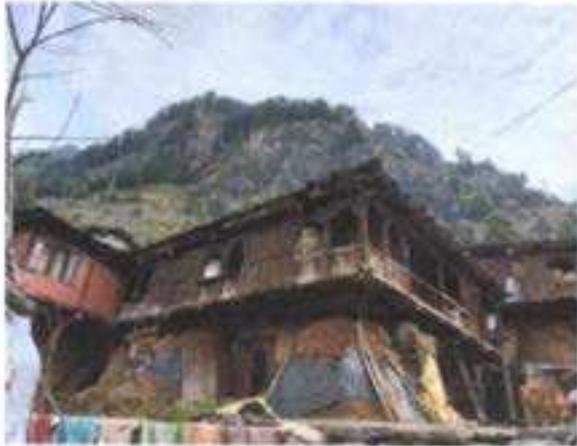
Scale: 1 cm to 2 Unit

INDEX	
House Type	
	Pucca
	Semi Pucca
	Kutchha
	Under Construction

BAR GRAPH
SHOWING THE TYPE OF BUILDING MATERIALS



INDEX	
Building Materials	
	Brick
	Wood
	Stone
	Other



HOUSE MATERIALS

Marital Status

Marital Status	No.	%
Married	168	68.85
Unmarried	76	31.15
Total →	244	100

The table deals with the Marital Status of 50 households of Aloo village of Himachal Pradesh. The data reveals that 68.85% people are married and 31.15% people are unmarried.

Monthly Income of the Family

Monthly Income	No.	%
Less than Rs. 3000	0	0
Rs. 3000 - Rs. 6000	3	6
Rs. 6000 - Rs. 9000	4	8
Rs. 9000 - Rs. 12000	5	10
Rs. 12000 - Rs. 15000	12	24
Rs. more than 15000	26	52
Total →	50	100

Shows the Monthly Income of the Family, the people of our present study area. The data represents that, out of 100%, maximum people i.e. 52% no one work for less than 3000 rupees. 6% people monthly household income of Rs. 3000 - 6000 rupees.

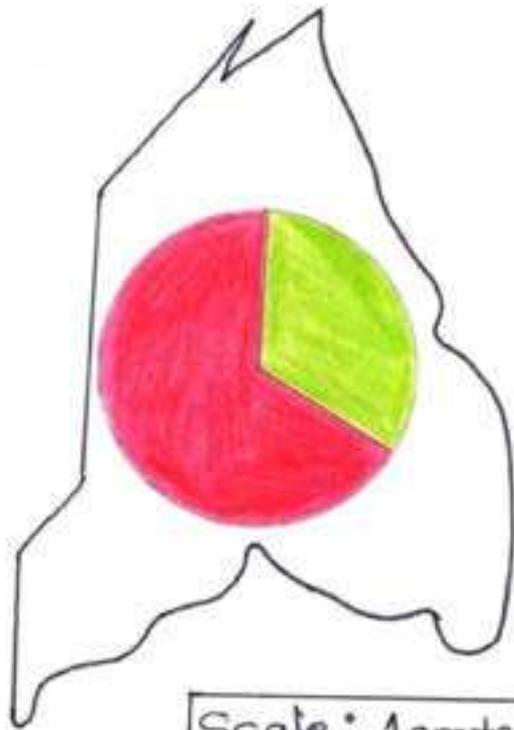
Calculation for Married Status

Marital Status	No.	Total	$n = \sqrt{\frac{T}{K}}$	Scale Selection	Degree
Yes	47	50	3.99	1cm to 2 Unit	338° 24'
No	3				21° 36'

Calculation for Monthly Income of the Family

Monthly Income	No. of family	Total	$n = \sqrt{\frac{T}{K}}$	Scale Selection	According to Scale	Degree
Less than 3000	0	50	3.98	1cm to 1.99 unit	2	0
3000 - 6000	3					21° 6'
6000 - 9000	4					28° 8'
9000 - 12000	5					36°
12000 - 15000	12					86° 4'
more than 15000	26					187° 2'
						360°

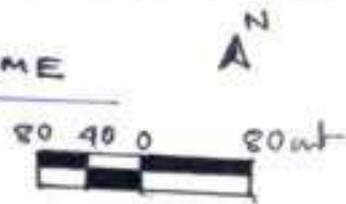
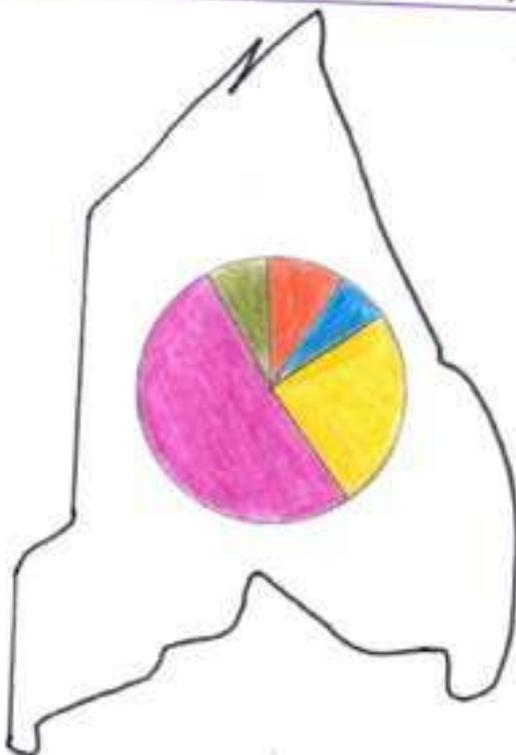
Pie Chart
SHOWING THE MARITAL STATUS



Scale: 1cm to 2unit

INDEX	
Marital Status	
●	Marrried
●	Un-marrried

Pie Chart
SHOWING THE MONTHLY INCOME



Scale: 1cm to 1.00 Unit

INDEX	
Monthly Income	
●	3000 - 6000
●	6000 - 9000
●	9000 - 12000
●	12000 - 15000
●	15000 <

Dwelling

Dwelling	No.	%
Owners	47	93.62
Rental	3	6.38
Total	50	100

The table deals with the dwelling of the people of our present study area i.e. Aloo village of Himachal Pradesh. From the above table data we represented that there is 93.62% is owners and 6.38% rental out of 100%.

Garbage disposal

Disposal	No	%
vat	30	56.60
bin / pit	0	0
Garden	23	43.40
Total	53	100

Shows the garbage disposal system of our present study area i.e. - Aloo village of Himachal Pradesh. The above data represent that maximum of the garbage are disposed at vat - 56.6% and 43.40% garbage are disposed at garden out of 100%. There is no garbage disposal at bin or pit.

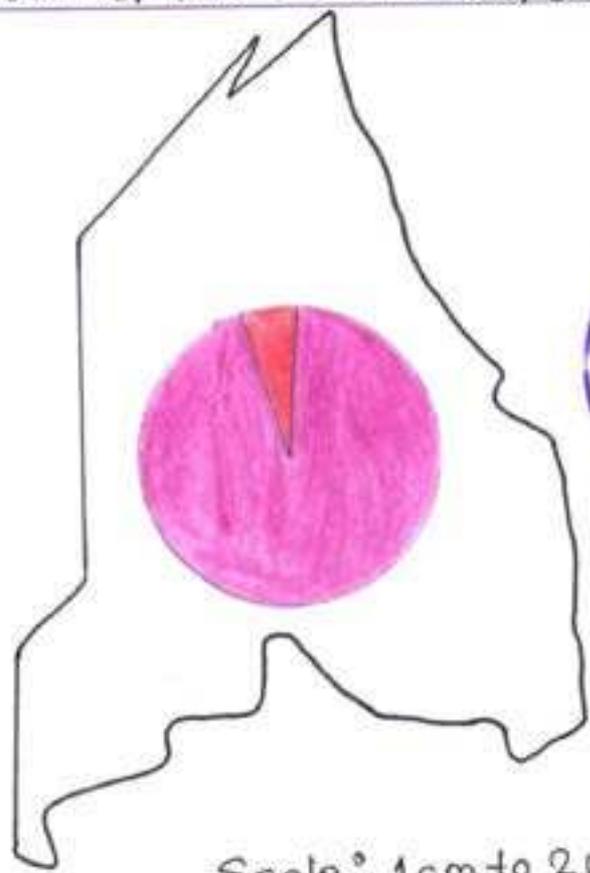
Calculation for Dwelling

Dwelling	No.	Total	$R = \sqrt{\frac{I}{\pi}}$	Scale Selection	According to Scale	Dignee
Owner	47	50	3.99	1 cm to 2 Unit	2	338° 24'
Rental	3					21° 36'

Calculation for Garbage disposal

Disposal	No.	Total	$R = \sqrt{\frac{I}{\pi}}$	Scale Selection	According to Scale	Dignee
Vat	30	50	3.99	1 cm to 2 Unit	2	216°
Granden	20					144°

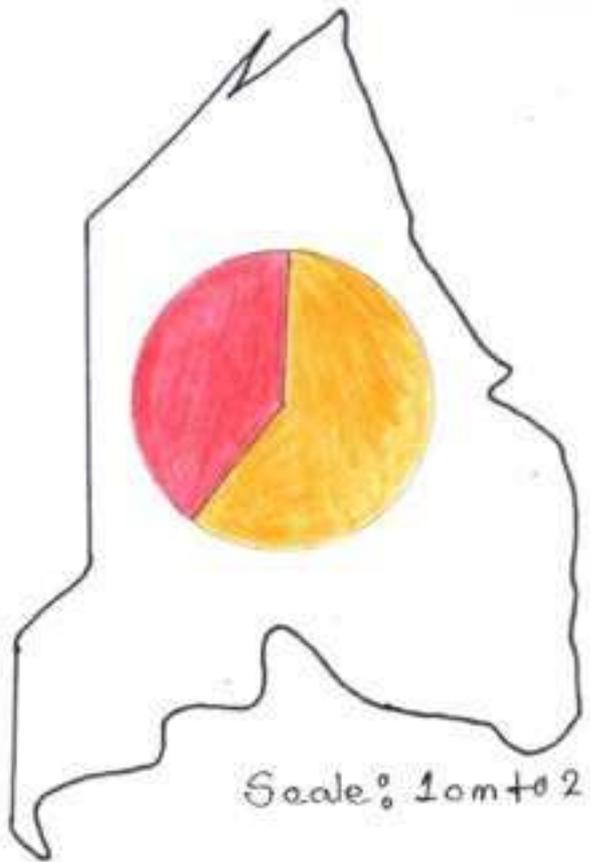
Pie chart
SHOWING THE DWELLING OF AIED VILLAGE



INDEX	
Dwelling	
	Owner
	Rental

Scale: 1cm to 2 unit

Pie chart
SHOWING THE GARBAGE DISPOSAL



INDEX	
Garbage Disposal	
	Vat
	Garden

Scale: 1cm to 2 unit

Source of cooking fuel

Cooking fuel	No.	%
Kerosene	22	23.91
Gas	40	43.48
Fine wood	30	32.61
others	0	0
Total	92	100

Represented the Source of the cooking fuel in the present study area i.e. Aloo village of himachal Pradesh. The data reveals that 23.91% cooked by kerosene 43.48% cooked by gas, 32.61% cooked by fine wood and 0% by others.

Major Problems in the study area

Problem	No.	%
Natural Hazard	48	42.86
Drinking water	26	23.21
Social Problem	9	8.04
Political Problem	17	15.18
any others	12	10.71
Total	112	100

Shows the major problem of the Aloo village of present study area in that case 42.86%, natural hazard, 23.21% drinking water, 8.04% social problem, 15.18% political problem, 10.71% any others problem out of 100%.

Calculation for Source of cooking fuel

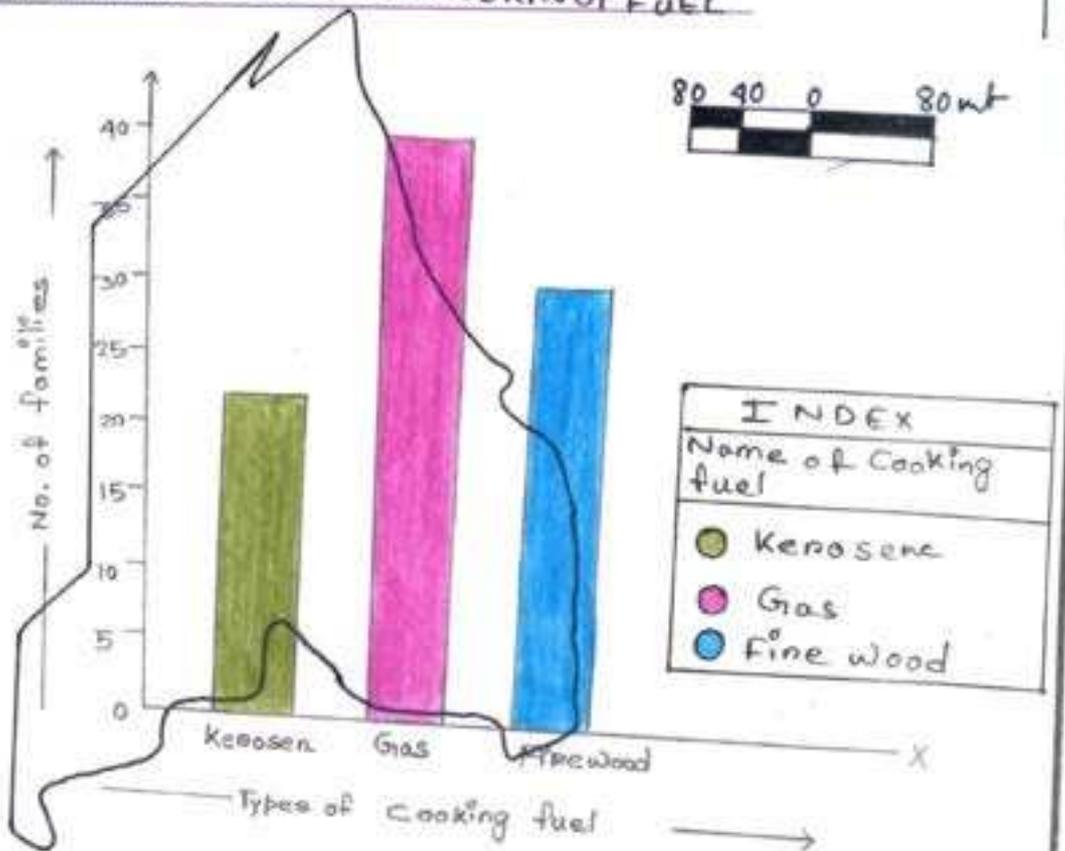
Name of cooking fuel	No.	Scale Selection	According to Scale
Kerosen	22	1 cm to 5 unit	4.4
Gras	40		8
Fine wood	30		6

Calculation for Major Problems in the study area

Problem	No	Total	$r = \sqrt{\frac{T}{N}}$	Scale Selection	According to Scale	Degree
Natural hazards	48	112	5.97	1 cm to 2 unit	3	154° 17'
Drinking water	26					83° 34'
Social Problem	9					28° 55'
Political Problem	17					54° 38'
others	12					38° 34'

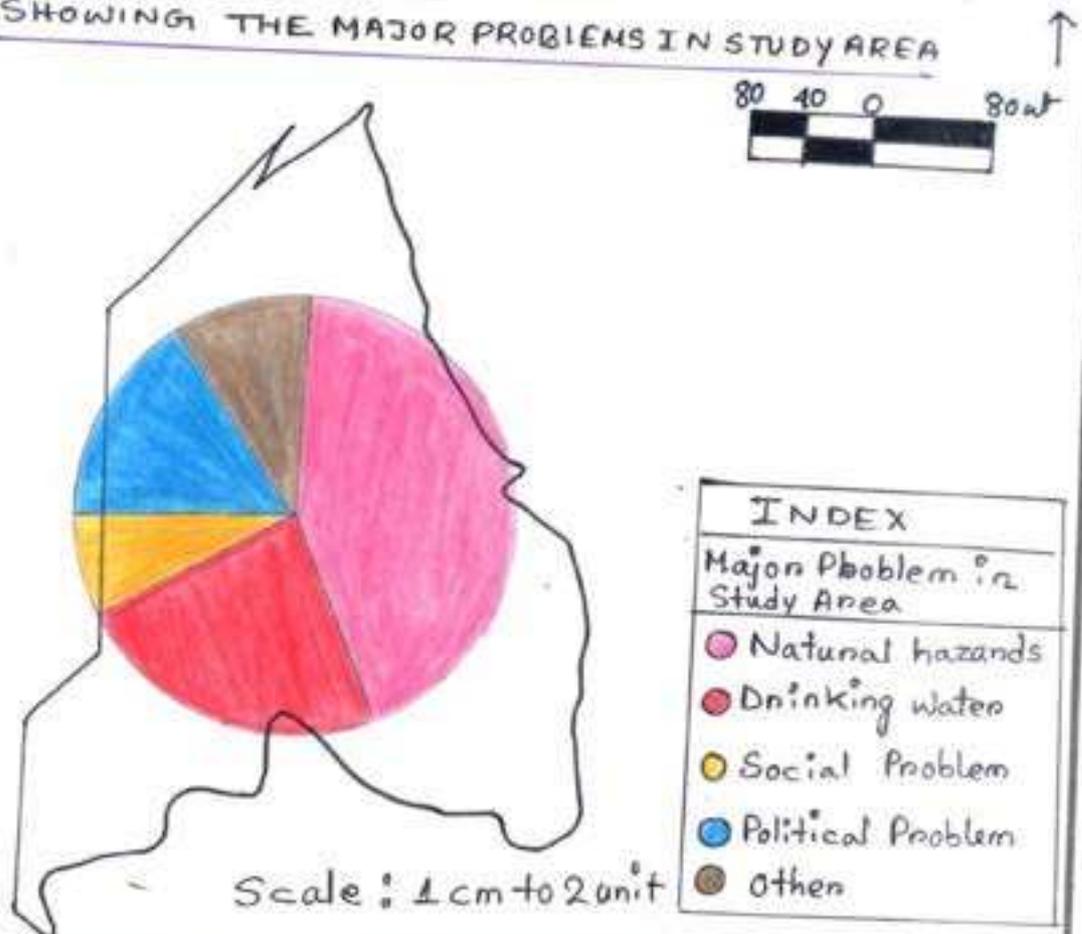
BAR GRAPH

SHOWING THE SOURCE OF COOKING FUEL



Pie chart

SHOWING THE MAJOR PROBLEMS IN STUDY AREA



Source of drinking water

Source of drinking water	No.	%
Pipe line	48	64
Tube well	27	36
well	0	0
Pond	0	0
other	0	0
Total	75	100

Represented the source of drinking water in Aloo village of Himachal Pradesh in our present study area. From the above mentioned data we concluded that source of drinking water 64% pipeline, 36% tube well, 0% well, 0% pond and other types of sources of drinking water.

Source of lighting

Lighting	No.	%
Electric	47	66.10
Kerosen	16	22.59
Solar	8	11.26
total	71	100

Represented the source of lighting of Aloo-village in Himachal Pradesh from our present study area. From the mentioned data maximum source of lighting is electric 66.10% kerosen is 22.59% and solar is 11.26% out of 100%.

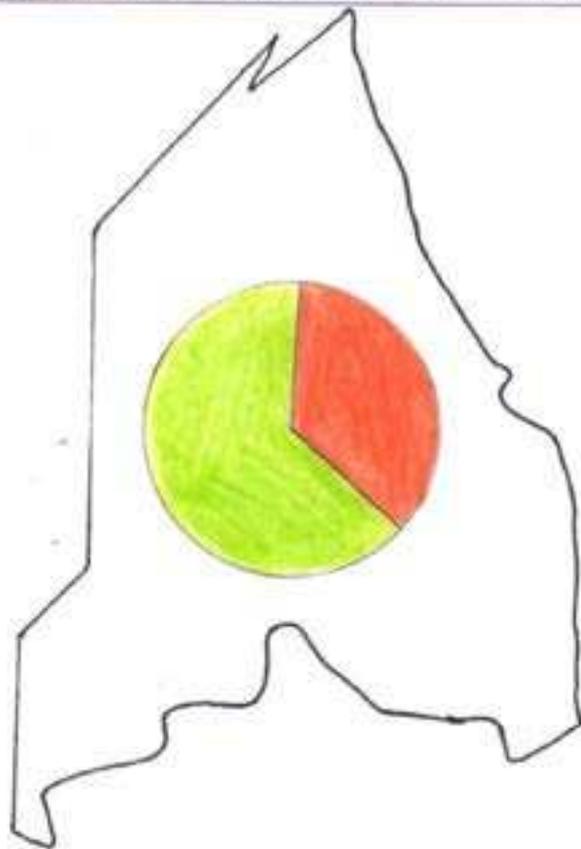
Calculation for Drinking Water

Source of DW	No.	Total	$n = \sqrt{\frac{I}{K}}$	According to Scale	Degree
Pipe Line	48	75	1.88 (1.88 $\frac{0}{0}$ 2=2.44)	2.44	230°24'
Tube Well	27				129°36'

Calculation for Source of Lighting

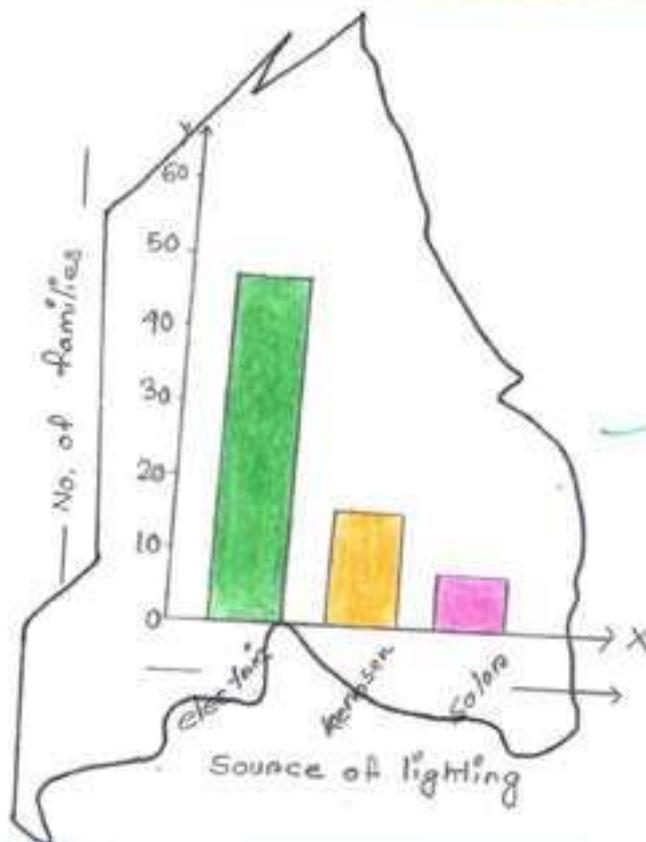
Lighting	No.	According to Scale	Scale Selection
Electric	47	4.7	1 cm to 10 Unit
Kerosene	16	1.6	
Solar	8	0.8	

Pie chart
SHOWING THE SOURCE OF DRINKING WATER



INDEX	
SOURCE OF DRINKING WATER	
	Pipeline
	Tube line

Bar Graph
SHOWING THE SOURCE OF LIGHTING



INDEX	
SOURCE OF LIGHTING	
	Electric
	Kerosene
	Solar

Rationing Facility

Rationing Facility	No.	%
Yes	49	98
No	1	2
Total →	50	100

The table deals with the 'Rationing Facility' from Govt, of the present study area. The data analysis represents that out of 100% maximum people i.e. 98% gave positive response and minimum i.e. 2% gave negative response about the Rationing facility from Govt.

Types of ration Card

Types of ration Card	No.	%
BPL	27	54.00
APL	20	40.00
other	3	6.00
Total →	50	100

The table deals with the Types of ration Card of the analysis represents that out of 100% maximum people i.e. 54% have BPL ration card, 40% people have APL ration card, 6.00% people have others types of Ration Card.

Calculation for Rationing Facility

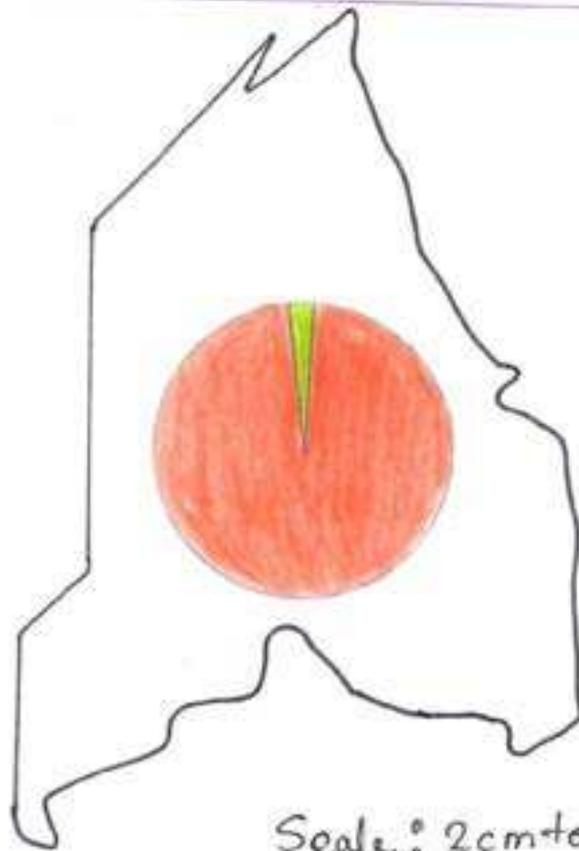
Rationing	No	Total	$R = \sqrt{\frac{T}{\pi}}$	According to Scale	Degree
Yes	49	50	4	1 cm to 2 unit	352°48'
No	1				7°12'

Calculation for Types of Ration Card

Types of Ration Card	No	Total	$R = \sqrt{\frac{T}{\pi}}$	According to Scale	Degree
BPL	27	50	4	1 cm to 2 unit	194°24'
APL	20				144°
Other	3				21°36'

Pie chart

SHOWING THE RATIONING FACILITY

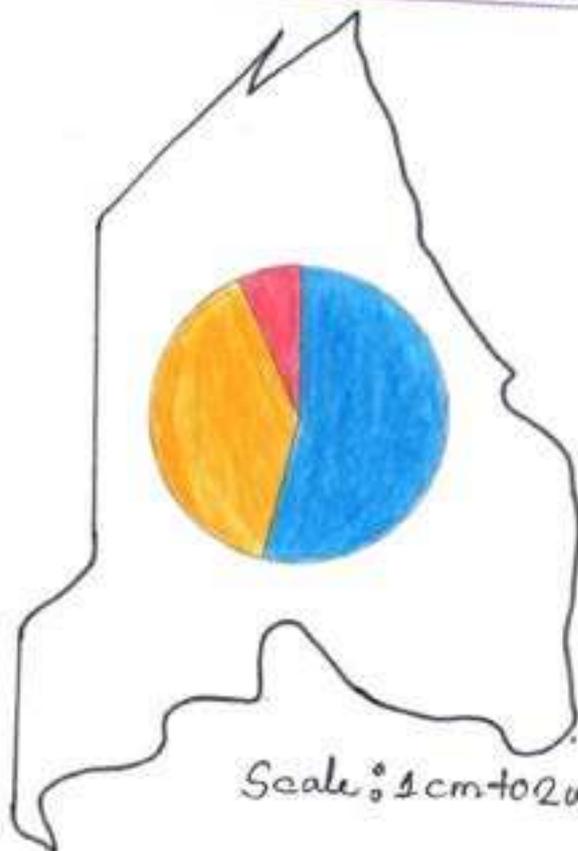


INDEX	
Rationing Facility	
	Yes
	No

Scale: 2cm to 2unit

Pie chart

SHOWING THE TYPES OF RATION CARD



INDEX	
Types of Ration Card	
	BPL
	APL
	others

Scale: 1cm to 2unit

Types of Ration

Types of Ration	No.	%
Sugar	35	19.13
Kerosene	31	16.94
Dal	24	13.11
Cloth	4	2.186
Rice	16	25.14
wheat	40	21.86
Spice	2	1.09
others	1	0.55
Total →	183	100

Shows the Types of Ration of 183 house holds of Aloo village of Himachal Pradesh. The data reveals that 19.13% people get sugar, 16.94% people get kerosene, 13.11% people get Dal, 2.186% people get cloth, 25.14% people get rice, 21.86% people get wheat, 1.09% people get spice, and 0.55% people get other things.

Assets for enjoyment

Assets for enjoyment	No.	%
TV	50	56.82
Radio	8	9.09
Music System	18	20.45
A. C	0	0
Water Cooler	1	1.14
Fridge	5	5.68
Other	6	6.82
Total →	88	100

The above table reveals that Assets for enjoyment of the people of our present study area. The data represents that out of 100% maximum people i.e. 56.82% for enjoyment use TV, 9.09% people use radio, 20.45% people use music system, 1.14% people use water cooler, 5.68% people use fridge, 6.82% people use other assets for enjoyment.

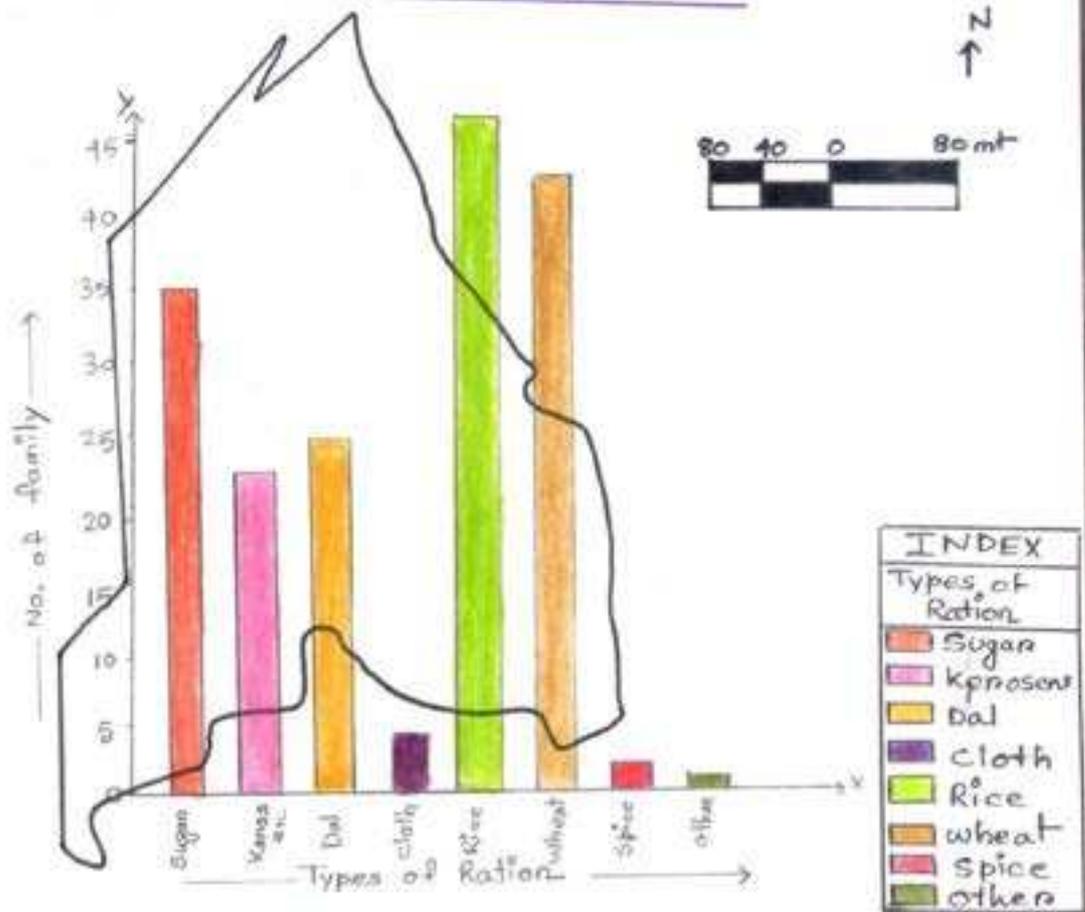
Calculation for Types of Ration

Type of Ration	no.	Scale Selection	According to Scale
Sugar	35	1 cm to 50 unit	7
Kerosen	31		4.4
Dal	24		4.8
Cloth	4		0.8
Rice	46		9.2
wheat	42		8.4
Spice	2		0.4
other	1		0.2

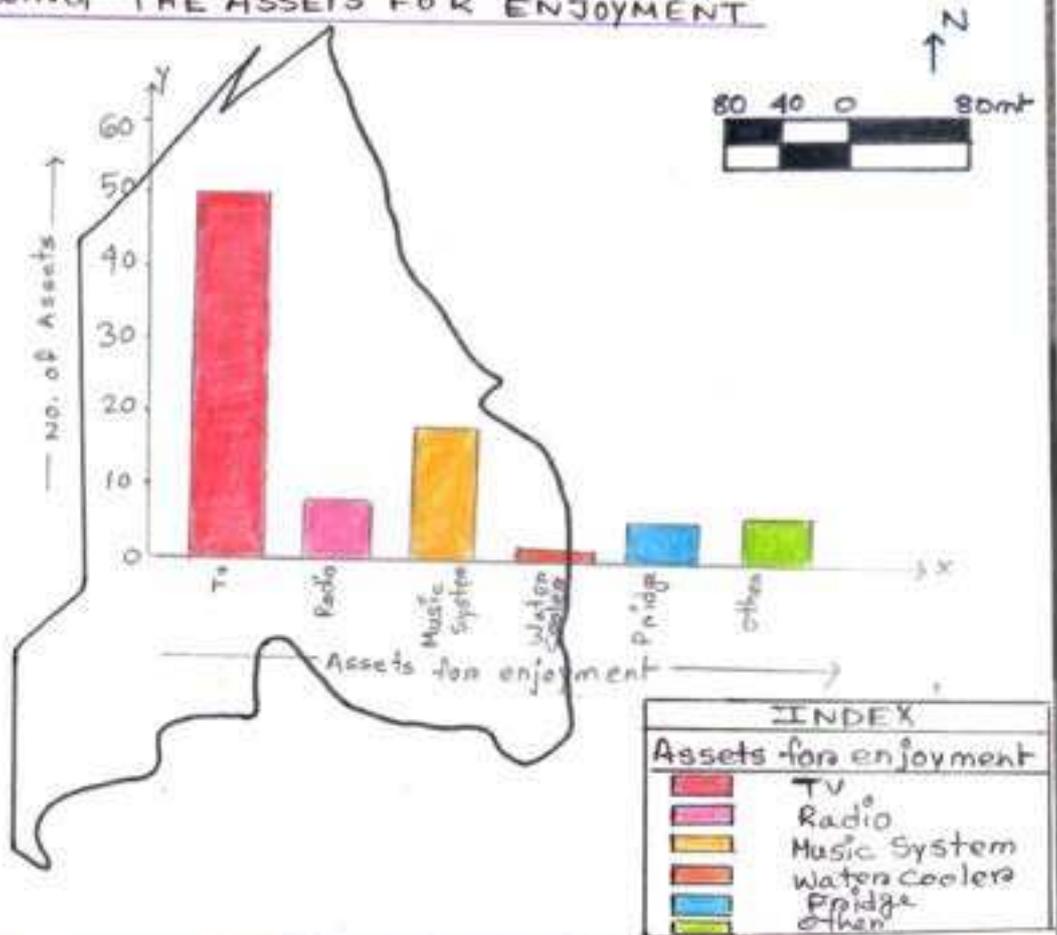
Calculation for Assets for enjoyment

Assets for enjoyment	No.	According to Scale	Scale Selections
TV	50	5	1 cm to 50 unit
Radio	8	0.8	
Music System	18	1.8	
Water Cooler	1	0.1	
Fridge	5	0.5	
other	6	0.6	

BAR GRAPH
SHOWING THE TYPES OF RATION



BAR GRAPH
SHOWING THE ASSETS FOR ENJOYMENT



Separate kitchen room

Kitchen	NO.		%	
	Yes	No	Yes	No
Separate kitchen	23	27	46	54
Total	150	50	46	54

The table deals with the separate kitchen room in a house at Aleo village of Himachal Pradesh, in the village there will be 46% house present where separate kitchen room present and 54% house present where no separate kitchen room.

Types of Latrine

Latrine	NO.	%
Water Use	40	78.43
Pit latrine	10	19.61
other	1	1.96
Total	51	100

Represents the 'Types of latrine' of the households of the present study area i.e. Aleo village of Manali of Himachal Pradesh. The data show that out of 100%, 78.43% people use water use latrine, 19.61% people use pit latrine, 1.96% people use other types of latrine.

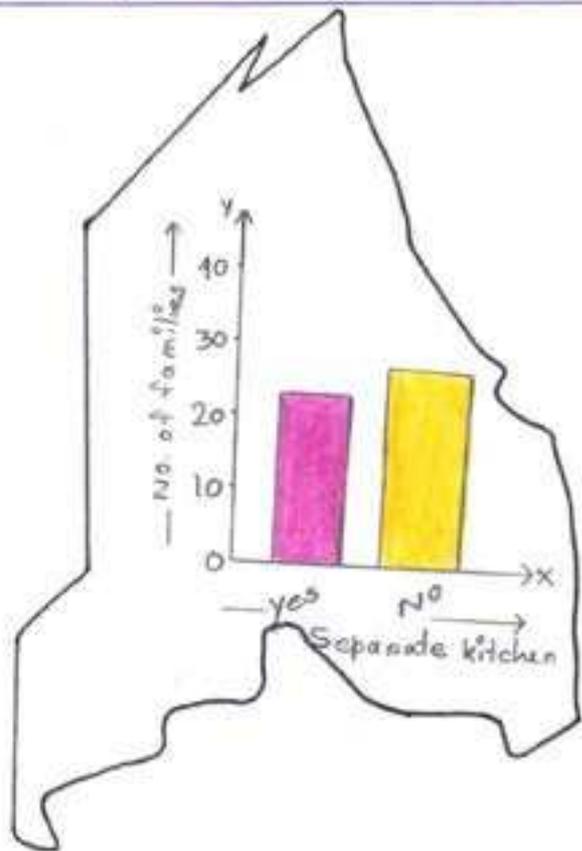
Calculation for No. of Separate Kitchen

Kitchen			Scale	According to Scale
Separate kitchen	Yes	23	1cm to 10 Unit	2.3
	NO	27		2.7

Calculation for Use of Latrine

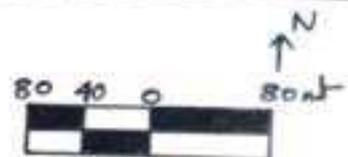
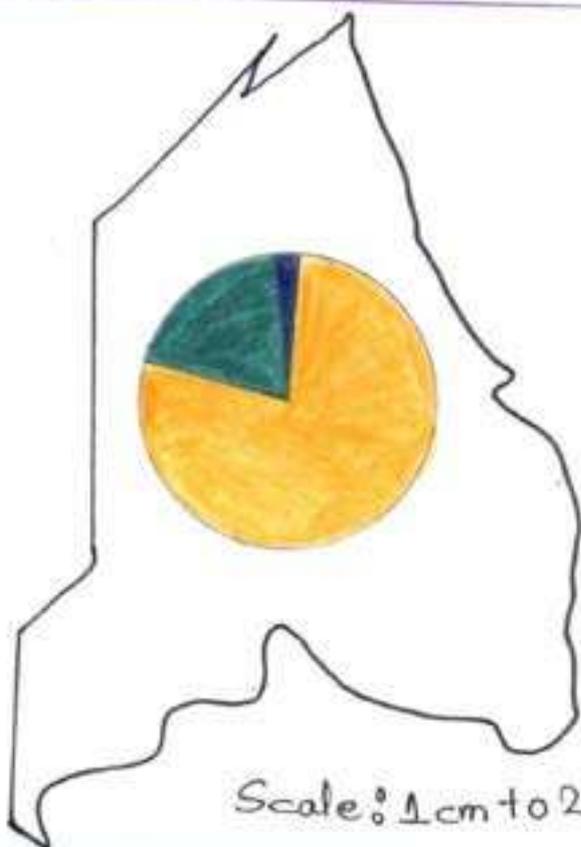
Latrine	No.	Total	$R = \sqrt{\frac{T}{\pi}}$	According to Scale	Degree
Water Use	40	51	4	1cm to 2 Unit	282° 21'
Pit latrine	10				70° 35'
other	1				7° 4'

BAR GRAPH
SHOWING THE NO. OF SEPARATE KITCHEN



INDEX	
NO. of Separate kitchen	
	yes
	NO

Pie chart
SHOWING THE USE OF LATRINE



INDEX	
Use of Latrine	
	water use
	Pit latrine
	other

Scale: 1cm to 20 unit

Employment Pattern

Employment Pattern	No.		%	
	M	F	M	F
Primary	30	18	32.26	38.29
Secondary	59	27	63.44	57.45
Tertiary	1	2	1.30	4.26
Total →	93	47	100	100

Analyse about the Employment Pattern of 50 house hold of Aloo village of Himachal Pradesh. The data reveals that 32.26% , 38.29% of males and females are employed in primary category, 63.44% , 57.45% of males and females and employed in tertiary category.

Banking Facility

Banking Facility	No.	%
Yes	42	84
No	8	16
Total →	50	100

The above table depicts the Banking Facility of the present study area i.e. Aloo village of Manali of Himachal Pradesh. The data describe that out of 100% maximum people i.e. 84% gave positive response and minimum i.e. 16% gave negative response about the Banking Facility from study area.

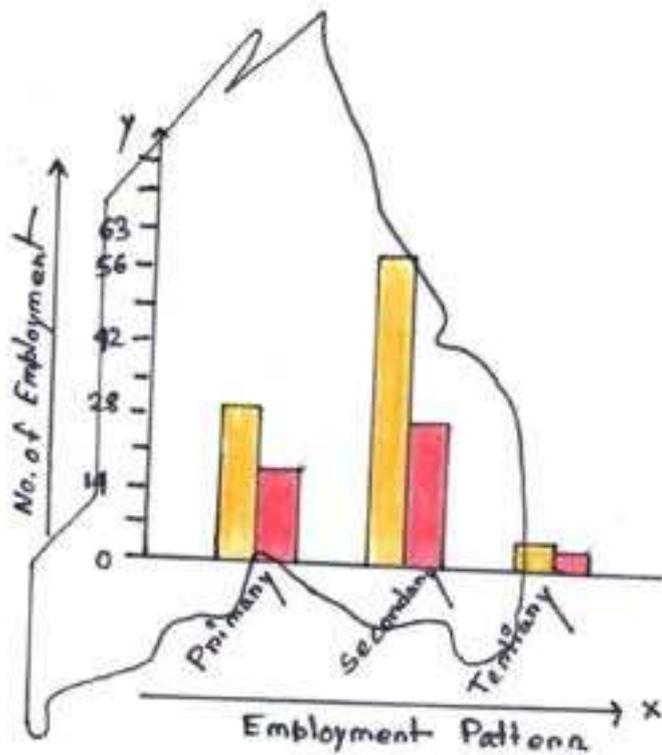
Calculation for Employment Pattern

Employment Pattern	Pattern		NO		Scale
	Male	Female	Male	Female	
Primary	30	18	2.15	1.29	1 cm = 29 persons
Secondary	59	27	4.22	1.93	
Tertiary	4	2	0.29	0.15	

Calculation for Banking Facility

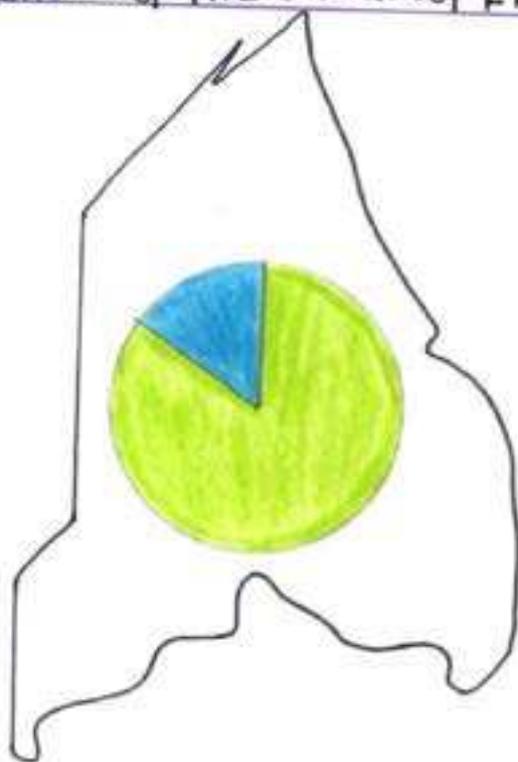
Banking facility	No.	%	$R = \sqrt{\frac{T}{n}}$	Scale Selection	According to Scale	Degree
Yes	42	84	8.99	1 cm = 2 Unit	2	302° 24'
No	8	14				57° 36'

Composite Bangraph
SHOWING THE EMPLOYMENT PATTERN



INDEX	
Employment Pattern	
●	Male
●	Female

Pie chart
SHOWING THE BANKING FACILITY



INDEX	
Banking facility	
●	Yes
●	No

Scale : 1cm = 2unit

Medical Facility From Govt.

Medical Facility from Govt.	No.	%
Yes	46	92
No	4	8
Total →	50	100

The table deals with the Medical facility from govt. of the present study area. The data analysis represent that out of 100% maximum people that is 92% positive response and minimum i.e. 8% gave negative response about the medical facility from govt.

Types of Medical Facility

Types of Medical Facility	No.	%
Immunization	25	30.87
Pulse Polio	18	22.22
Free Medical Camp	33	40.74
Other	5	6.17
Total →	81	100

Shows the types of medical facility from Govt. of the present study area. The data analysis represents that out of 100%, 30.87% people get immunization, 22.22% people get pulse Polio, 40.74% people get free medical camp, and 6.17% people receive other medical benefits.

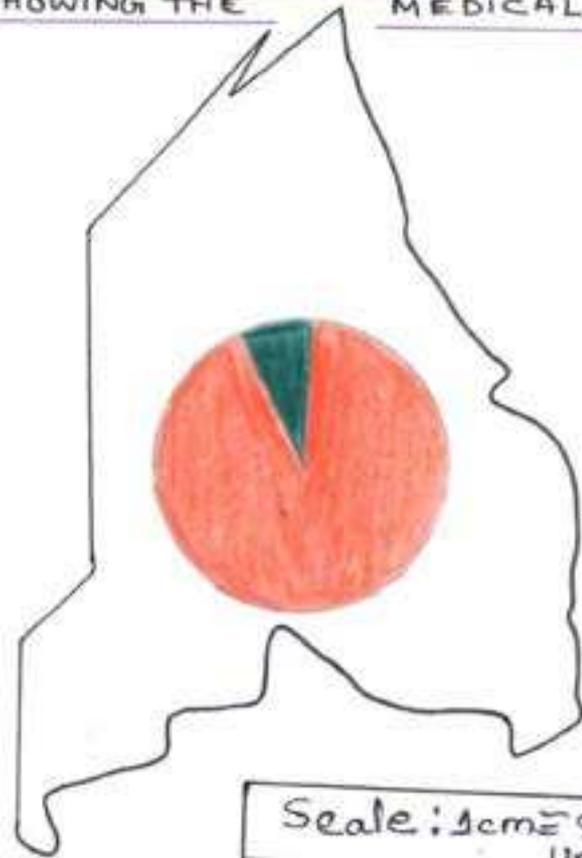
Calculation for Medical Facility From Govt.

Medical Facility from Govt.	No.	$r = \sqrt{\frac{I}{K}}$	Selected Scale	According to Scale	Degree
Yes	46	3.98	1 cm to 1.99 unit	2	331°12'
NO	4				28°48'

Calculation for Types of Medical Facility

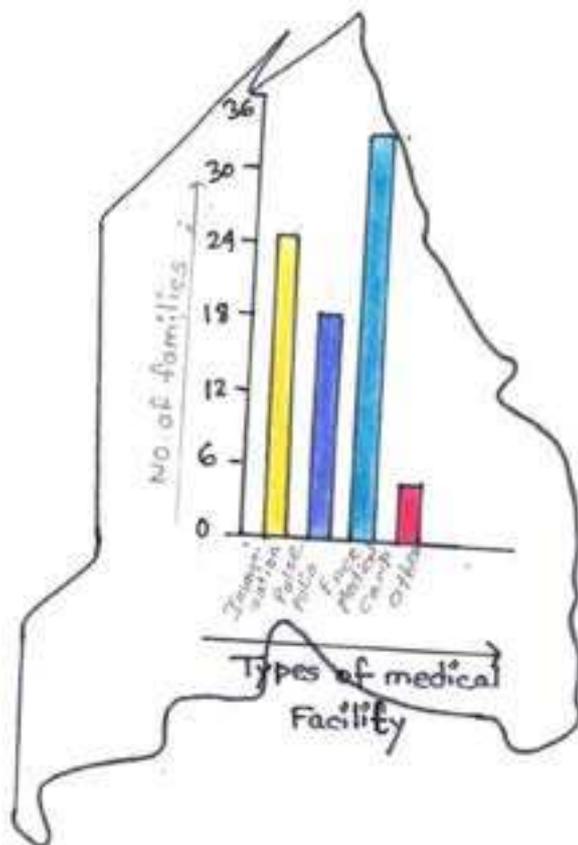
Types of Medical Facility	NO	Scale Selection	According to Scale
Immunization	25	1 cm to 5 Unit	5
Pulse Polio	18		3.6
Free Medical Camp	33		6.6
Others	5		1

Pie chart
SHOWING THE MEDICAL FACILITY FROM GOVT



INDEX	
Medical Facility	
■	Yes
■	No

BAR GRAPH
SHOWING THE TYPES OF MEDICAL FACILITY



INDEX	
Types of Medical Facility	
●	Immunization
●	Pulse Polio
●	Free Medical Camp
●	others

Major Disease

Major Disease	No.	%
Malaria	0	0
Fever	49	63.64
Skin disease	10	12.98
Sun stroke	1	1.30
Other	17	22.08
Total →	77	100

Represents the Major Disease of the house holds of the present study i.e. Aloo village of Manali of Himachal Pradesh. The data shows that out of 100% no one gets malaria, 63.64% people victim fevers, 12.98% people victim skin disease, 30% people victim sun stroke and 22.08% people suffer from other diseases.

Facility of Govt. loan for agriculture

Govt. loan	No. of facility	Percent (%)	Total
Yes	20	87	23
No	3	13	

The above table represent that facility of Govt. loan for agriculture of an study area i.e. Aloo village, Manali, Himachal Pradesh. The data reveals that 87% people are positive response and 13% people negative response.

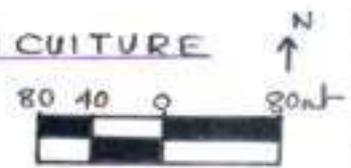
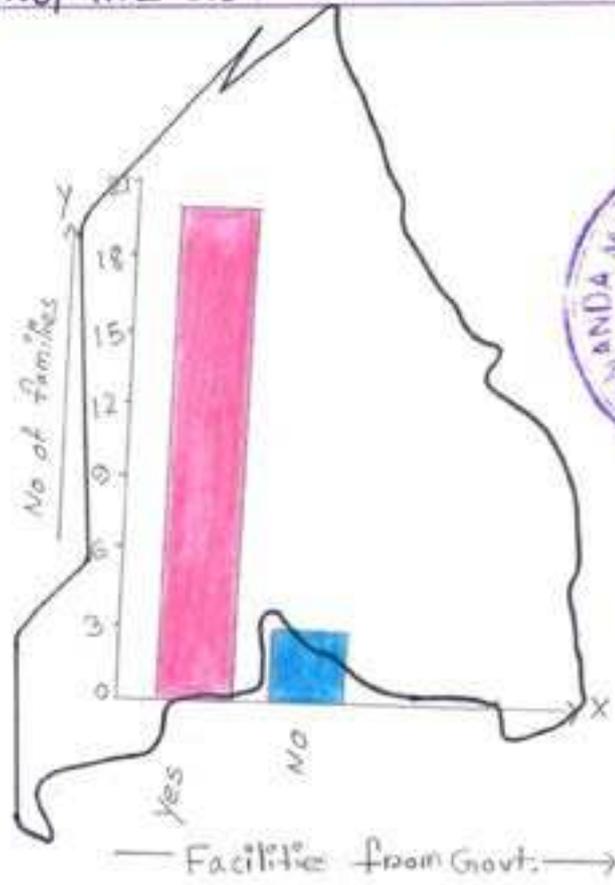
Calculation for Major Disease

Major Disease	No	%	$n = \sqrt{\frac{I}{K}}$	Selected Scale	According to Scale	Degree
Malaria	0	0	4.35	1cm $\frac{1}{2}$ 2.5 Unit	1.98	0
Fever	49	63.64				229° 5'
Skin disease	10	12.78				46° 45'
Sun stroke	1	1.30				4° 41'
other	17	21.68				79° 29'

Facility of Govt. loan for agriculture

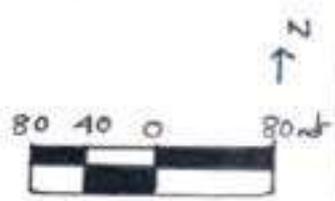
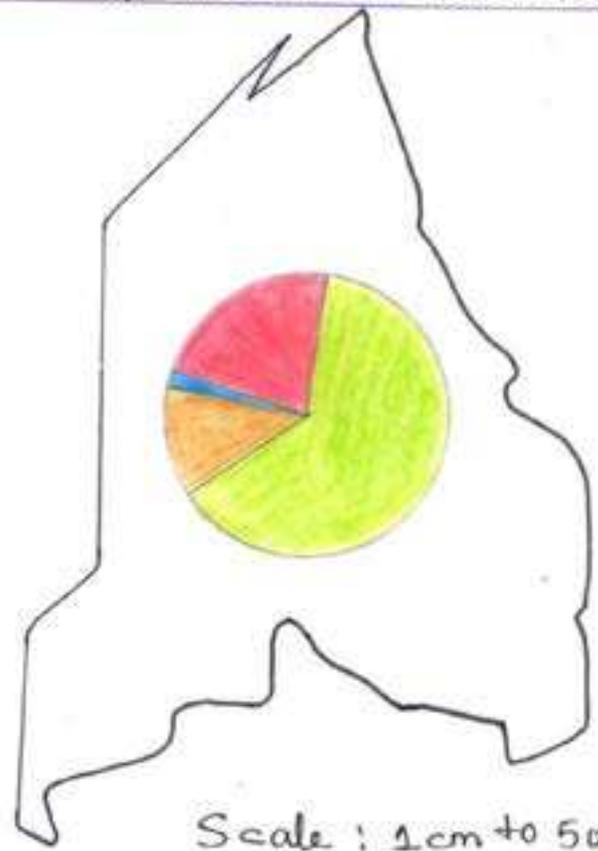
Facility of Govt. Loan for agriculture	No.	Scale Selection	According to Scale
Yes	20	1cm to 5 Unit	4
No	3		0.6

BAR GRAPH
SHOWING THE GOVT. LOAN FOR AGRICULTURE



INDEX	
Facility of Govt. loan for agriculture	
	Yes
	NO

Pie chart
SHOWING THE MAJOR DISEASE OF ALEO VILLAGE



INDEX	
DISEASE	
	Fever
	SKIN DISEASE
	SUN STROKE
	Other

Scale : 1cm to 5unit

Better transport Facilities for Agriculture

Better transport	NO.	Total	%
Yes	5	23	21.7
NO	18		78.3

The above table represent that Better transport facilities for agriculture of an study area Aleo village, Manali, Himachal Pradesh. The data reveals that 21.7 % people positive response and 78.3% people and negative response.

Facility of extra crop storage

Facility of extra crop storage	NO.	Total	%
Yes	17	23	73.90
NO	6		26.1

The above table represent the facility of extra crop storage of an study area Aleo village, Manali, Himachal Pradesh. The data reveals that 73.90 % people are positive response and 26.1% people are negative response.

Calculation for Better transport facilities for Agriculture

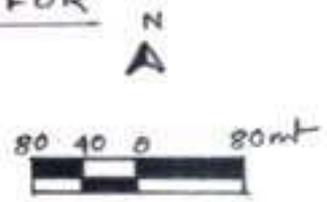
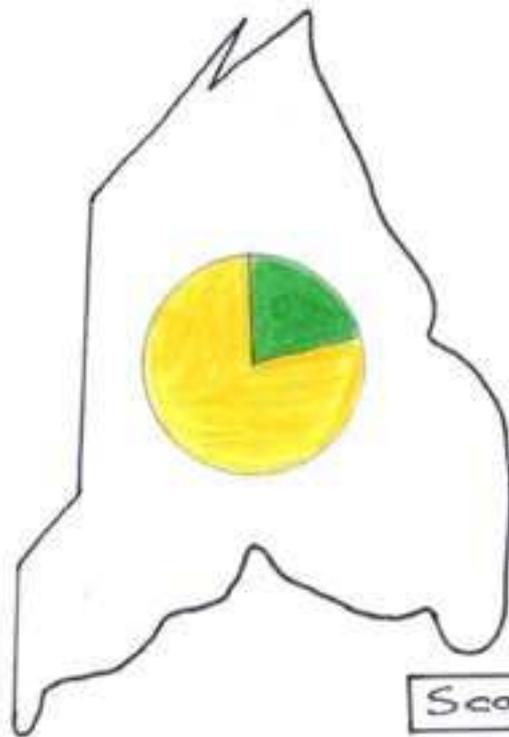
Better transport facilities	No	Total	$R = \sqrt{\frac{T}{N}}$	Scale	Degree
Yes	5	23	2.70	1.35	78.26°
No	18				281.73°

Calculation for facility of extra crop storage

Facility of extra crop storage	No.	Scale Selection	According to Scale
Yes	17	1 cm to 5 Unit	3.4
No	6		1.2

Pie Chart

SHOWING THE TRANSPORT FACILITIES FOR AGRICULTURE

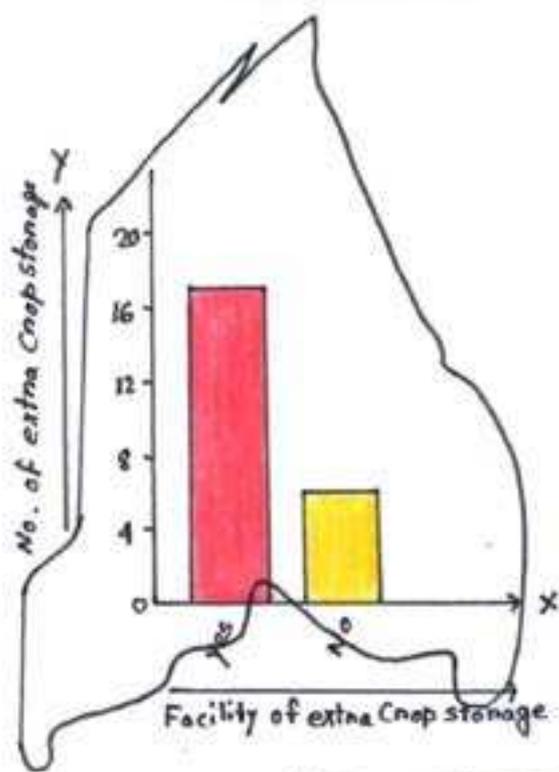


INDEX	
Better Transport facilities	
● Yes	
● No	

Scale: 1.35 Unit

Bar Graph

SHOWING THE FACILITY OF EXTRA CROP STORAGE



INDEX	
Facility of extra crop storage	
● Yes	
● No	

Scale	Vertical Scale 1cm - 1
	Horizontal Scale 1cm - 1

CHAPTER - 5

VARIOUS PROJECTS AND DEVELOPMENTS IN ALEO

VILLAGE MANALI

- ABVIMAS
- ALEO MANALI HYDRO POWER PROJECT
- ATAL TUNNEL

ABVIMAS

Atal Bihari vajpayee Institute of Mountaineering and Allied Sports is one of the premier mountaineering institutes in India. Formely ABVIMAS was known as "Western Himalayan Mountaineering Institute". Founded September 16th 1961 by none others than Pandit Jawaharlal Nehru, the first Prime Minister of India, the Institute has played a pioneering role in bringing Manali, Himachal Pradesh on the world maps a paradise for adventure lovers. The institute has been successfully conducting adventure activities like Mountaineering, Rock climbing, Trekking, Adventure Camps, Skiing, Water, Sports, Aero sports, Mountain Biking and Mountaineering, Expeditions for decades now. ABVIMAS is proud to have a faculty of qualified and professional instructors and officials having numbers of prominent peaks, including the Mount Everest, to their credit. ABVIMAS also plays a pivotal role in conducting rescue missions through out the state and also conducts Disaster Management and Search & Rescue trainings for professionals.

Now, ABVIMAS is the largest Adventure sports training Centre in the Country. It is spread over 20 acres of forested land on the banks of the river Beas. The Directorate Manali boasts of a sprawling Campus that is

equipped with modern facilities, lodges and hostels that can accommodate approx. 300 people at a time, a dining hall that can cater to more than 200 people at once, an outdoor cafeteria and an auditorium that has a seating capacity of 680 people. It also has an up to date library, museum and lecture halls. Apart from this the Directorate has various adventure training centres all over Himachal Pradesh.

ATAL TUNNEL

Atal Tunnel also known as Rohtang Tunnel named after former prime Minister of India, Atal Bihari Vajpayee is a highway tunnel built under the Rohtang Pass in the eastern Pir Panjal range of the Himalayas on the Leh-Manali Highway in Himachal Pradesh, India.

At a length of 9.02 km, it is the world's highest highway single tube tunnel above 10,000 feet (3048 m) in the world.

With the existing Atal Tunnel and after the completion of under construction Skinku La Tunnel, which is targeted to be completed by 2025, the new Leh-Manali Highway via Nimmu-Padum-Darcha road will become all weather roads.

Overview

Location : Himachal Pradesh, India

Co-ordinates : $32.401270^{\circ}\text{N}$
 $77.148335^{\circ}\text{E}$

Status : Active

Route : NH3

Crosses : Rohtang Pass

Operation

Work begun : 28th September 2008

Opened : 4th October 2020

Operator : Border Roads Organisation

Traffic : Automotive

Length : 9.02 km (5.60 mi)

No. of lanes : Two (one in each direction)

Operating Speed : 40 - 60 km/h (25 - 37 mph)

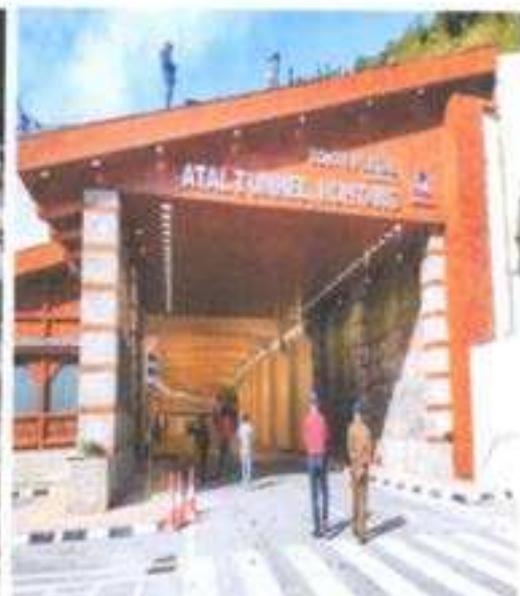
Width : 10 metres (33 ft)

The tunnel reduces the travel time and overall distance between Manali and Keylong on the way to Leh. The route, which previously went through Ginamphu, was 116 km (72.1 mi) long and took 5 to 6 hours in good conditions. A traveller now reaches the south Portal of the tunnel from Manali a distance of 24.4 km (15.2 mi) in about 45 minutes, goes through the 9.02 km

(5.6 mi) long tunnel in about 15 minutes and reaches Keylong which is 37 km (23.0 mi) away in about 60 minutes. The new route via the tunnel brings down the total distance travelled to 71 km (44.1 mi) which can be covered in about 2 hours, a reduction of around 3 to 4 hours when compared to the earlier route. Moreover the tunnel bypasses most of the sites that were prone to road blockades, avalanches and traffic snarls.

The tunnel is at an elevation of 3100 metres (10,171 ft) whereas the Rohtang Pass is at an elevation of 3978 mt. (13051 ft). It was inaugurated by Prime Minister Narendra Modi on 3rd October 2020. The cost of the entire project is Rs. 3200 Crore.

The tunnel was completed by the Border Roads Organisation (BRO) under Ministry of Defence. The tunnel can be visited by citizens and students of the nation. Honorable defence minister Shri Rajnath Singh in presence of MoS for Defence Shri Ajay Bhatt and Director General Border Roads Lt Gen Rajeev Chaudhry dedicated website to the Nation on 24th March 2022. The website will facilitate in guided tours for students and citizens. It will also boost tourism in Himachal.



ALEO MANALI PROJEOCT

CHAPTER - 6

CULTURAL ASPECTS OF MANALI ALEO PEOPLE

- Introduction
- Some fairs and festivals of Aleo - Manali
- Famous foods of Aleo - Manali
- Aleo - Manali winters wear clothes and more
- Best adventure sports in Manali - Aleo.

CHAPTER - 6

Cultural aspects of Manali - Aleo People ☺ =

Manali people along with Aleo village, culture and festivals reflect the distinct and unique socio-cultural life style of the indigenous inhabitants of the region.

The varied culture of the region reflects the rich traditional legacy and ancestral heritage that has percolated to the modern era from the ancient past.

The culture traits of the hilly region are unaltered and unaffected by the rapid industrialization of the modern times and brings out the traditional cultural values of the society.

The exotic valleys of Manali is the natural home to several indigenous tribes of the region. The different ethnic tribes follow distinctive cultural patterns and social customs.

Blessed with a rich traditional art and craft from the ancient times, Manali is famous for the indigenous folk songs and dance of the region. Accompanied with the enchanting melodious folk songs, the dancers perform their art with perfection and great enthusiasm.

The varied topography of the state of Himachal Pradesh is best suited for several adventurous sports of the area. The tourists can enjoy a plethora of sporting events in Manali. Some of the notable sports of the region are skiing, paragliding and river rafting.

The indigenous tribal population of Manali prefers to wear the traditional attire. Usually spun out of wool, the colourful and attractive apparels reflect the culture of the local people of the area.

Manali-Aleo people, culture and festivals display the varied yet enriched socio-cultural life style of the local tribal population. Some famous fairs and festivals of Aleo Manali:

Some famous fairs and festivals that attract travellers from the national as well as international boundaries are:

① Hadimba Devi Fair:

Also known as Doongri fair in the months of May to celebrate the birthday of Hadimba, the wife of Bhima.

② Doongri forest festival :

This festival usually starts after the Dussehra.

③ Winters Carnival :

This is a 5 day festival held at Manu Kala Kendra - comprises cultural competitions, cultural shows, winter sports activities etc.

④ Spring festivals :

Popularly known as 'Basantotsava' the festival is celebrated with great pomp and show in April.

⑤ Lohri :

Lohri is one of the most famed festivals celebrated in January. It marks the beginning of the best time to harvest Rabi crop. On this auspicious day, people perform pooja, lit bonfires and dance at night.

⑥ Baisakhi :

This is another famous harvest festival of Manali, Aloo village. On this festival fairs take place and wrestling, dancing and archery competitions.

⑦ Dussehra :

Dussehra celebrated in the month of October. This celebrations in Manali are called kullu Dussehra and have to be one of the most awaited festival of the year. Locals can be seen taking out processions and yatras dedicated to various gods and goddesses.

⑧ Losar festival :

This festival is one of the main festivals celebrated by the Buddhists and Tibetans community in Manali. It is a celebration for Tibetan New Year which originates in the pre-Buddhist era and the speciality in chaam dance performed with traditionally and elaborately colored masked dance.

Famous foods of Manali - Aleo :

Some must try or famous food that is favourites among the local in Aleo village Manali are -

- Khatta
- Siddu
- Babru
- Aknati
- Trout (fish curry)
- Chha Gosht
- Chana Madra
- Tudkiya Bhat
- Lugdi (crude beer)

Aleo - Manali Winter wear - clothes and more -

- Winter Jacket
- Merino wool sweaters
- Warm Pullovers & sweatshirts
- Merino wool Baselayers
- Water proof ski Pants
- All weather Accessories
- Warm socks
- Kosha Winter Layers.

CHAPTER - 7

Various important and necessary Survey at Manali along with Aleo.

- Health Survey
- School Survey
- Market along with Road Survey
- Traffic flow Survey
- Apple garden Survey
- Hotel and tourism Survey

HEALTH SURVEY

A health survey is a tool used to gather information on the behaviours of a specific group of people from a determined area.

Besides the house hold survey our survey group of people from also done hospital survey at Manali by data collection methodology for measuring patients perceptions their hospital experience.

Name of the hospital : Lady Willingdon Mission Hospital

About the hospital : Lady Willingdon Mission Hospital in Manali, Kullu is one of the most renowned hospitals in the area. Countless local in Manali, Kullu have placed immense trust in the practitioners over the years.

Address : Lady Willingdon's Mission Hospital is situated at opposite of Govt. Sr. Secondary School, Mission road, Manali of Kullu district of Himachal Pradesh Pin - 175131, which is easily accessible through various modes of transport.

Other important information about Lady Willingdon Mission hospital : —

- Total area of the hospital : 6000 sq.mt.
- Total No. of wards : 11
- No. of Male ward : 04
- No. of female ward : 07
- Total No. of toilets : 08
- No. of Male-toilets : 03
- No. of female toilets : 05
- No. of doctors : 13
- No. of nurses : 34

Patients admitted per day :

Minimum → 5

Maximum → 15

No. of Floors : Three

Various Facilities or Services :

- Electricity
- Water Supply
- Doctors Quarters
- Security
- Doctor's availability for 24 hours
- Kitchen room
- Availability of medicine
- Vaccination
- Internet connection
- Eco-Friendly Campus
- Tube well
- Fire safety
- STD Facility etc.

Services :

- OPD Services
- Blood Bank
- X-Ray Services
- General ward
- Ambulance Services
- In house pharmacy.

Treatment of HIV Patients ESIC patients are also admitted in this hospital.

PRIMARY SCHOOL SURVEY

Name of the School : Manali Himalayan public School.

About : Manali Himalayan public school was established in 2002 and it is managed by the Pvt. Unaided his located in Rural area. It is located in NAGIGAR block of kullu district of Himachal Pradesh. The school consists at Graders from 1 to 10.

The school is Co-educational and it have an attached pre-primary section. The school is not applicable in nature and is not using school building as a shift school. English is the medium of instructions in this school.

The school has Rented building. It has got 8 classrooms for instructional purposes. All the classrooms are in good conditions. The school has a separate room for Head master / teachers. The school has have electric connection. The source of drinking water in the school is tap water and it is functional. The school has a playground. The school has a library and has 6000 books in the library. The school has 6 computers for teaching and learning purposes and all are functional. The school is provided and prepared in school premises providing mid-day meal.

ADDRESS OF THE SCHOOL :

In vashitt area of Naggan block of Kullu district. Area pincode is 175131.

OTHER IMPORTANT INFORMATION ABOUT THE MANALI HIMALAYAN PUBLIC SCHOOL :

- PMPS is the co-educational school.
- Total no of teaching staff - 12
- Female teachers - 9 Male teachers - 3
- The school has a library and has 6000 books in the library.
- The school has both Girls / boys toilet facility.
- The source of drinking water is Top water.
- The school has playground.
- Total No. of classroom 8.
- The school has computer lab.

PRIMARY SCHOOL SURVEY

Survey research was surveys to collect data. Those data are reported and used by decision makes to improve the student experience. School survey have manifold benefits. They help enhance the efficiency of course structure, provide in sight into the levels of student satisfaction.

Name of the School :

Govt. Senior Secondary School
Rajgri Adonsha Barist Madhyamik
School.

About (GSSS) :

GSSS Manali was established in 1925 and its managed by the Department of education. It is located in urban area. It is located in NAGIGAR block of kullu district of Himachal Pradesh. The School consists of grades from 6 to 12. The school is co-educational and it doesn't have an attached Pre-primary section. The school building as a shift school. Hindi is the medium of instructions in this school. In this school academic session starts in April.

Secondary School Survey

Survey research uses survey to collect data. Those data are reported and used by decision makers to improve the student experience. School survey have manifold benefits. They help enhance the efficiency of course structure, provided insight into the levels of student satisfaction.

Name of the School : Govt. Senior Secondary School
(Rajgiri Adonsha Barist Madhyamik School)

About (GSSS) : GSSS Manali was established in 1925 and its managed by the Department of education. It is located in urban area. It is located in NAGGAR block of kullu district of Himachal Pradesh. The school consists of grades from 6 to 12. The school is co-educational and it doesn't have an attached pre-primary section. The school is not applicable in nature and is not using school building as a shift school. Hindi is the medium of instructions in this school. In this school academic session starts in April.

The school has government building. It has got 6 classrooms for instructional purposes. All the classrooms are in good condition. It has 2 other rooms for non-teaching activities. The school has a separate room for head master/teacher. The school has pucca boundary wall. The school has a playground. The school providing mid-day meal.

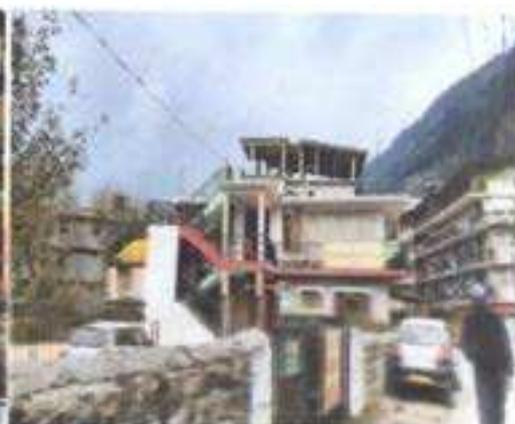
Address of the School :

VIII - N.A.C manali naggar, P.O - Manali,
P.S - Manali, Dist - kullu, Pin - 175131

Other important information about the GSSS
Manali school.

Puspa Sharma is the current head mistress
Dr. Anurajit is the director of the school. Kishan is the school
manager. Registration Number : 2094 (AICE3)

- GSSS is the Co-ED school (both boys/girls).
- Total no of teaching staff Male: 6 Female 4
- Total - 10
- Total no of students is - 856
- Total no of staff room is - 2
- The school has a library and has 2631 books in its library.
- The school has both girls / boys toilet facility.
- School bus is not available.
- The school has cycle stand.
- The source of drinking water is tube well
- The school has garden.
- The school has play ground.
- Total no. of classroom is - 25
- No. of students attending mid-day meal per day - 68
- Total no. of computer labs - 3
- No. of students who appeared in Higher Secondary exam
this year - Pass - 95% , Fail - 5%
- Wall Magazine - Yes
- N.S.S. Programme - Yes
- PPT Programme - Yes
- Annual Sports - Yes



SCHOOL SURVEY

MARKET SURVEY

Market Survey :

Market Survey is a type of tool used for the satisfaction of customer requirements and for the growth of any organisation and organisation wants to keep their customer happy so they need to conduct market survey. It is just a forecasting tool.

Besides the house hold survey our survey groups also done market survey in old manali and the mall road at manali for data collection.

Name of the market :

1. The old Manali (NH 21 Leh-Ladakh Road)
2. The Mall Road

About the old Manali :

You will like old manali, one of the most popular markets old manali market has something for everyone, you can purchase a lot of things like accessories, t-shirts, trendy woolen clothes, fruits shop, vegetable shop etc.

Location :

Manu Temple Road, Old Manali
Manali Himachal Pradesh 175131

Timings : 10 am - 7 pm

Specialty : funky clothes and accessories.



WORKING PEOPLE OF ALEO, MANALI

MARKET SURVEY

Name of the market : Mall Road Market, Manali

Location of the market : Mall Road, Manali

No. of shops : 99

- a. garment shop (woolen) : 15
- b. garment shop (Normal) : 3
- c. Sweet shop : 2
- d. Bakery : 3
- e. Fruit shop : 9
- f. Vegetable shop : 3
- g. Meat shop : 1
- h. Fish shop : 1
- i. Medicine store : 2
- j. Tea/Coffe stall : 8
- k. Juice Centre : 1
- l. Cyber Cafe : 1
- m. Tailoring Shop : 1
- n. Spice shop : 7
- o. Other : 28



SHAWL FACTORY VISIT AT KULLU (H P)

VEGETABLE MARKET

Name of the vegetable available here :

Potato, Tomato, Carrot, Corn, Broccoli,
Red Cabbage, Spinach, Brinjal, Bitter ground, Cauliflower.

Imported Vegetables : All

Exported Vegetable : In Shops and Hotels

Rate of Vegetables per kilo :

Sl.No	Name of the Vegetables	Rate/kg
1.	Brinjal	40
2.	Tomato	40
3.	Carrot	50
4.	Spinach	45
5.	Bitter ground	50
6.	Cauliflower	22

FRUIT MARKET

Name of the fruits available here ☺

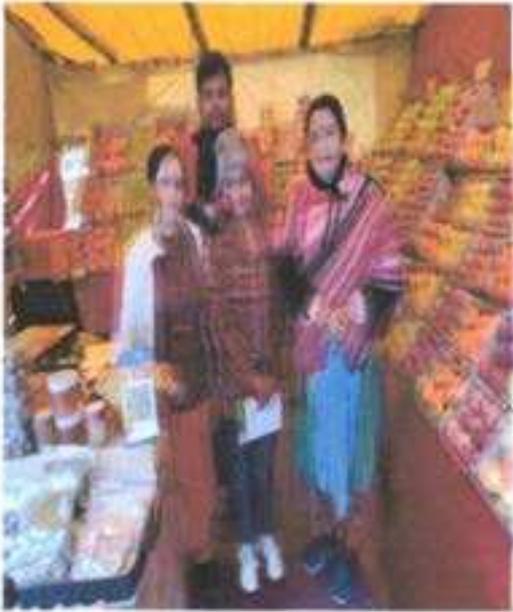
Name of the fruits available : Green apple, golden apple, Red apple, pañsimam, kiwi, water melon, Orange, chikoo, strawberry, Peach, Pear, Papaya.

Imported fruits : Mango, watermelon

Exported fruits : Green Apple, Pañsimam

Rate of fruits per kilo :

SL.No	Name of the Fruits	Rate /kg
1.	Apple	65
2.	Pañsimam	105
3.	Kiwi	200
4.	Red Apple	50
5.	Golden Apple	50
6.	Water melon	25
7.	Orange	70
8.	Peach	230
9.	Papaya	90
10.	Strawbenny	420
11.	Honey	200



ALEO MANALI FOODS

FISH MARKET

Name of the fishes available here :

Trout, Mahaseer.

Imported fishes : No

Exported fishes : Singhana, Carps, Rainbow trout.

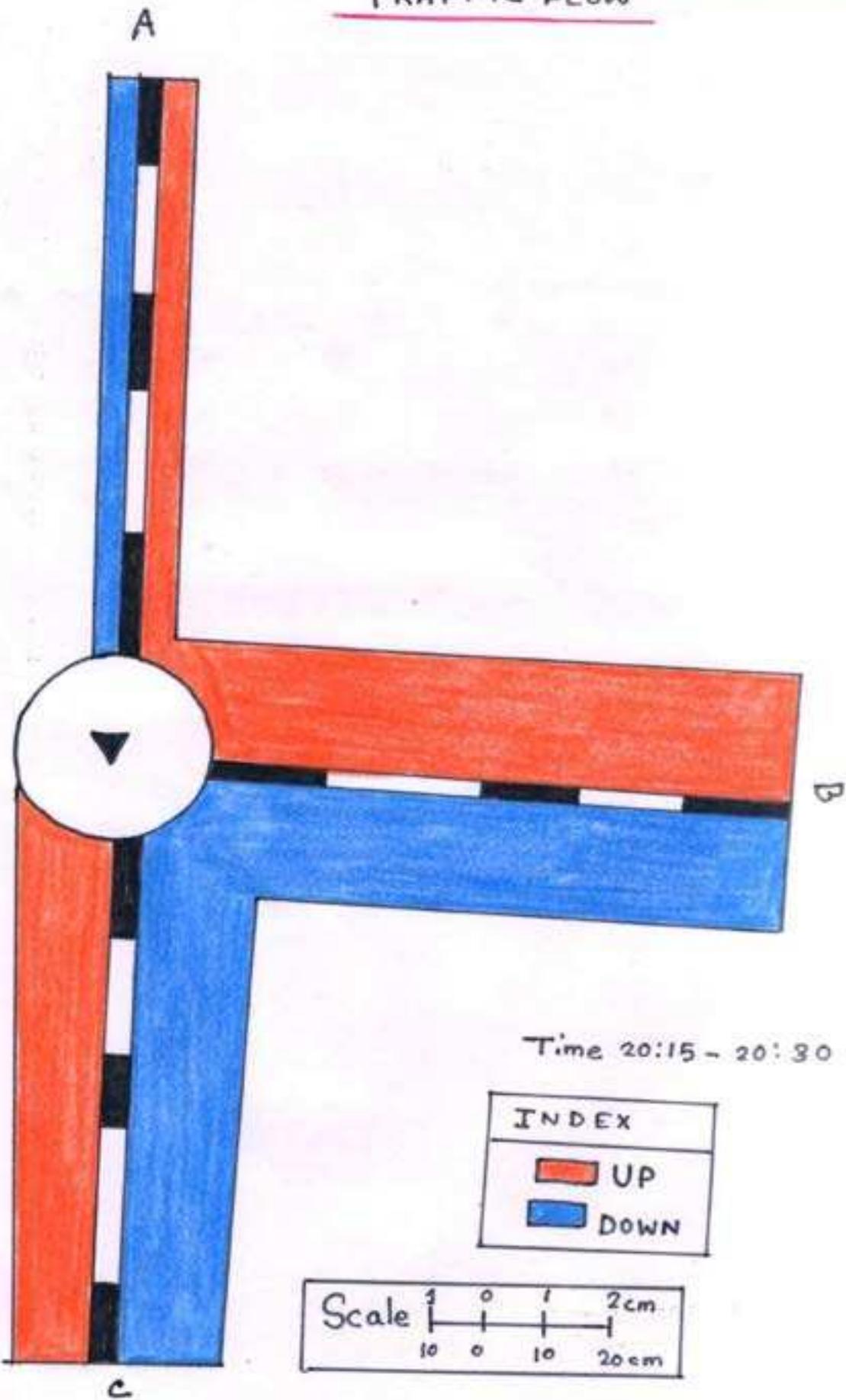
Rate of fishes per kilo :

SL. NO	Name of the fish	Rate /kg
1.	Trout	5000
2.	Mahaseer	5000

TRAFFIC FLOW MALL ROAD, MANALI, HIMACHAL PRADESH

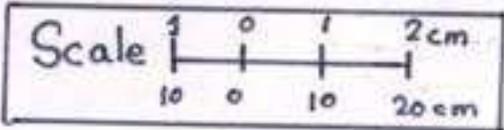
Rode	Distance (m)	Scale 10(m)-1(cm)	No. of Traffic		Scale locan ^{0.5} cm	
			UP	Down	UP	Down
A	100	10	12	11	0.6	0.5
B	100	10	42	40	2.1	2
C	100	10	31	40	1.5	2

TRAFFIC FLOW

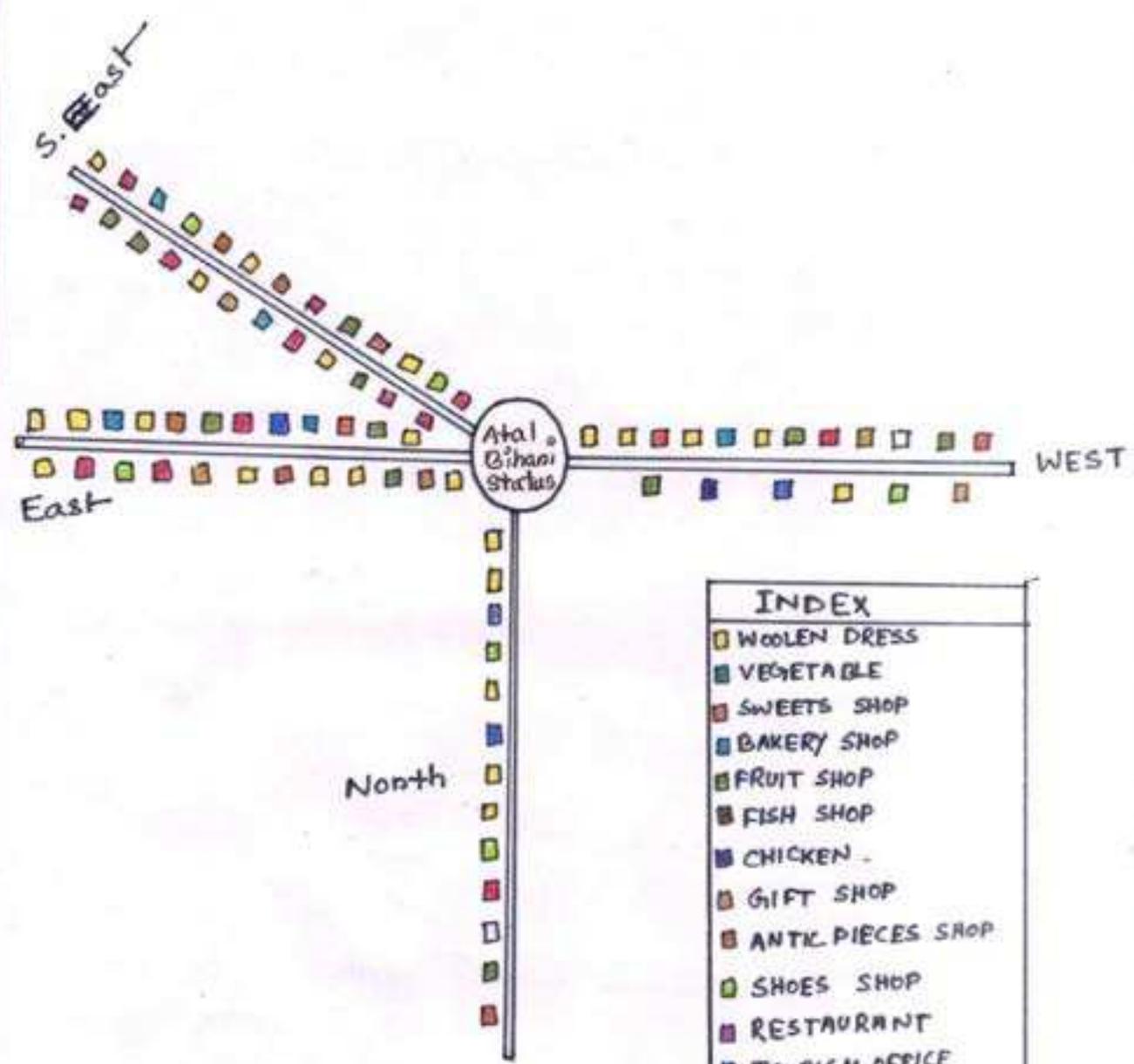


Time 20:15 - 20:30

INDEX	
	UP
	DOWN



ROAD SIDE MARKET SURVEY AT MALL MARKET
MANALI, KULLU, H.P



INDEX	
Yellow square	WOOLEN DRESS
Green square	VEGETABLE
Red square	SWEETS SHOP
Blue square	BAKERY SHOP
Light green square	FRUIT SHOP
Brown square	FISH SHOP
Dark blue square	CHICKEN
Orange square	GIFT SHOP
Light brown square	ANTI-PIECES SHOP
Light green square	SHOES SHOP
Purple square	RESTAURANT
Dark blue square	TOURISM OFFICE
White square	

Scale 1cm \approx 10 mt.

APPLE GARDEN SURVEY
AT
ALEO VILLAGE, MANALI

Our personal study area is Aleo village of Manali Himachal Pradesh is also famous for its so many numbers of apple orchards of the house hold or villages. During house hold survey on Socio-economic basis students visit three apple garden of the villages of Aleo village.

The family peoples of the land lord of these apple orchards informed that, these are mainly 3-types of apples are grown there which are very famous and supplied to all over the the India and also outside country of India these varieties are ; -

- Green Apple
- Red Apple
- Golden Apple

The family members says that their apple garden is under personal farming. The production of apple are mainly for commercial purpose. They also informed us that. export of apple mainly takes place in Delhi, Punjab, Haryana. But in out side, Export of apple is done by the dealer in various countries.

Production of apple per year :

Production	No	%
Below 10	1	33.33
10 - 15	1	33.33
Above 50	1	33.33
Total →	3	100

The present table represent is the production of apple per year. The data reveals that out of 100% 33.33% responded their apple production is below 10 quintal 33.33% responded that 10-50 quintal and another 33.33% responded that their apple production is above 50 quintal per year.

Tourist review rate about Apple garden :

Review rate	No	%
Below 5 rating	2	66.67
Above 5 rating	1	33.33
Total	3	100

The table show the review rate of tourist about Apple garden. The data reveals that most of the review goes to below 5 rating i.e. 66.67% and rest 33.33% review goes to above 5 rating by the tourist about the apple garden of the Manali Aleo village.

Transportation :

Some popular truck agencies contact with the land lord at the apple orchard for the proper transportation connected to the apple garden for the export of production on commercial purpose. by train the dealers also exports apple from the garden owners.



APPLE GARDEN SURVAY

HOTEL SURVEY

HOTEL TRISHUL :

The hotel name is 'Hotel Trishul', year of establishment 1988. Convenient hotel location is held at Nagar road. The hotel rating is 3 star. Equipped with modern and comfortable furniture. The rooms are very clean and comfortable. Room tariff is very reasonable. per one day room cost 2000 Rs. AC facility are not available. Total numbers of Rooms 23. The rooms have a clean and quiet atmosphere.

Rooms are very spacious. The hotel is facilitated with both fooding and lodging. Is the hotel available for tourists throughout the years. April, may, June, Oct, Nov, Dec months of the years are most favourable for tourism business. Gujrat, Kolkata, Rajasthan, Delhi, CHP, of India are most attracted to the tourism here in Manali. Israel, Japan, Nepal, Italy of the world are most attracted to the tourism in Manali.

The facilities and ambiances associated with the tourist package are Transport, fooding, Lodging, Laundry, housekeeping, Travel, Transport, Guide.

HOTEL SURVEY

SURYANSH HOTEL :

The hotel name is Suryansh hotel, years of establishment 2021. Convenient hotel location is Iest Bank Alee moniteering road. The hotel rating is 4.9 equipped with modern and comfortable. The rooms are very clean and comfortable. Room traiff is reasonable, 2000 - 4000 Rs. of room cost for one day A/c / Non A.C facility both available, total numbers of 23. The rooms have a clam and quiet atmosphere. Rooms are spacious. The hotel is facilatated with both fooding and lodging. April, may, june, oct, nov, Dec of the year are the most favourable for tourism business. Gujrat, maharastroy, kerala, kannataka, Delhi, Punjab India are most attracted to the tourism here in Manali. Russian of the world are most attracted to the tourism in Manali. The facilities and ambiences associated with the tourist package are transport, fooding, lodging, laundry, house keeping, separate dining, witchen, restaurant etc. 4.0 is the average review rating of this hotel. check in time 12:00 pm - check out time 11:00 Am. 15 - 20 employes are work in this hotel.
No. of Total member - 23 .

HOTEL SURVEY

Swich Sagar hotel :

The hotel name is swich Sagar hotel , years of establishment 1992. Convenient hotel location is Nagan Road . The hotel rating is 2.5 stars Equipped with modern and comfortable furniture. The rooms are very clean and comfortable , Room tariff is reasonable.

Below 2000 rs. of room cost for one day . Non AC facility . Total numbers rooms 22. The rooms have a clam and quiet atmosphere. Rooms are spacious . The hotel is facilitated with both fooding and lodging . Is the hotel available for tourists throughout the years . April, may, June, oct, Nov, Dec months of the year are the most favourable for tourism business South India, Gujrat, Delhi, CHD parts of India are most attracted to the tourism here in manali . Iskal, Nepal are countries of the tourist package are Travel, transport, guide, fooding, lodging, photography, clubbing, sky driving, loudry, housekeeping, separate dining hall, kitchen, etc. 3.5 is the average review rating of this hotel. check in time 12 noon. check out time 12 noon. 12 employes are work in this hotel.

HOTEL SURVEY

KHUSHBOO RESORTS PVT. LTD.

The hotel name is Khushboo Resort Pvt. Ltd. year of establishment 2000. Convenient hotel location is held at Aleo left Bank Manali. The hotel rating is 3 stars. Appealing interior and exterior decor. Equipped with modern and comfortable furniture, Rooms tariff is reasonable. Per one day room cost below 2000 rs. AC / Non AC facility both are available, total numbers of rooms 21. Rooms are very spacious. The hotel facilitated with both fooding and lodging. The hotel available for tourists through out the years. May, June and December of the year are most favourable for tourism business. Delhi, Mahanastna, Gujrat, U.P, Kerala of India, are most attracted to the tourism in manali.

Israel, U.S.A, U.K of the world are mostly attracted to the tourism in manali. The facilities and ambiances associated with the manali tourists and ambiances associated with the tourists package are Transport, travel, lodging, Fooding, Laundry, Photography, Housekeeping, Seperate dining hall, restaurant etc. Photography, clubbing, Sky driving, Spenate hall, Kitchen, Restaurant etc. 1 star is the average review rating of this hotel.

HOTEL SURVEY

The hotel name is Hotel Utsav.
The hotel was established in 1999. The convenient hotel location is Naju Road Rating of the hotel is 4 stars.
The convenient hotel location is Naju Road. The hotel is equipped with modern and comfortable furniture and the rooms are very clean and comfortable. Room cost is reasonable, room cost for one day is Rs. 2000 - Rs. 4000. AC facilities are not available in the room. Total number of room in the hotel 30. The hotel rooms have a calm and quiet atmosphere rooms are spacious. The fooding and lodging facilities are available in the hotel. The hotel is available for tourists through out the years. April to June and October to December are most favourable months of the years for tourism business. South India, Gujrat, Delhi, Kolkata are most attracted to the tourism here in manali also little tourist from all over India. Also tourist from Isnael, Nepal, Bhutan, France are most attracted to the tourism in Manali. The following facilities and ambiances are associated with the tourist Package —

1. Travel
2. Transport
3. Guide
4. Fooding
5. Lodging
6. Photography
7. Clubbing
8. Sky driving
9. Laundry
10. Housekeeping
11. Separate driving, kitchen, restaurant etc.



HOTEL SURVEY

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I would like to thank the experts the were invold in the field report prof pranab Bishal (H.O.D) Prof. Dinabandhu Maity, Prof Gouranga Graunia and our lab attendant Sni Ashini Kr. Samanta and Sni Sisir Kumar Bhowmik and input the field report could not have been successfully conducted.

Finally I must express my very profound. I naktude to my parents and to my friends for providing me with unfailing support and continuous encourage ment through out this study and through the process of reporting and writing this field report. This accomplishment would not have been possible with out them.

Thank you

**A PHYSICAL AND SOCIO-ECONOMIC SURVEY AT _____
BLOCK UNDER THE DISTRICT OF _____**

BY DEPARTMENT OF GEOGRAPHY, VIVEKANANDA MISSION MAHAVIDYALAYA, VIVEKNAGAR,
CHAITANYAPUR, DIST. – PURBA MEDINIPUR; PIN- 721645

B.Sc. 5TH SEM GEOGRAPHY (HONOURS)

SESSION : 2022-23

Questionnaire for House-Hold Survey-

1. Name of the state-
2. Name of the district-
3. Name of the place/ village-
4. Name of the locality-
5. Ward/ Mouza/ Panchayat name-
6. Head of the household (owner's name)-
7. Nationality-
8. Religion-
9. Mother tongue-
10. Cast- SC/ ST/ OBC/ GENERAL
11. Type of family- Nuclear/ Joint/ Extended
12. Total number of family members (including children)- MALE : FEMALE:
13. Demographic information-



SL. NO.	Name of the family members	Sex F/M	Present age	Marital status	Educational status	Remarks
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						

14. Number of births in the last 10 years :

SL. NO.	YEAR	MALE (AGE)	FEMALE (AGE)

15. Number of deaths in the last 10 years :

SL. NO.	YEAR	MALE (AGE)	FEMALE (AGE)

16. Number of literates : Total: _____ Male : _____ Female : _____

17. Number of illiterates : Total: _____ Male : _____ Female : _____

23. Amount of monthly expenditure :

FOOD	CLOTH	RENT	TRANSPORT	EDUCATION	AGRICULTURE	MEDICAL	CONSTRUCTION	OTHERS

24. Monthly income :

LESS THEN RS 3000	RS 3000- RS 6000	RS 6000 - RS 9000	RS 9000- RS 12000	RS 12000- RS 15000	MORE THAN RS 15000

25. House topology :

HOUSE TYPE-

- Concrete (pacca)
- Semi- pacca
- Mud (kutchha)
- Under construction

Tenure ship status : owner/ tenant

Settlement pattern : linear/ compact/ dispersal

26. People's agricultural practice :

- Type of form : Mono cropped/ double cropped/ multi cropped/ others
- Type of crops cultivation : Paddy/ Wheat/ Other food crops/ Mustard/ Other oil seeds/ Vegetables/ Flowers/ Fruits
- No. of domestic farm animals :

Cow: _____ buffalo: _____ duck: _____ goat: _____ lamb: _____

Hen: _____

d. Where do you dispose domestic waste?

e. What is source of fuel? a. Kerosene b. Gas c. Fire wood d. Other

f. Major problem: natural hazard/ drinking water/ social problem/
political problem/ any other (mention)

27. Name of the nearest school : _____

Name of the nearest college : _____

Distance from house : _____

28. Name of the nearest market : _____

29. Name of the nearest hospital/ health centre : _____

Distance : _____

30. Source of drinking water : a. Pipe line b. Tube well c. Well d. Pond
e. Other (mention):

31. Source of lighting : a. Electric b. Kerosene c. Other (mention):

32. Do you have a separate kitchen room : YES/ NO

33. Do you have separate bathroom : YES/ NO

34. If yes type of latrine : a. Water used b. Pit latrine c. Others (mention):

35. Assets of enjoyment : TV/ Radio/ Music system/ A.C./ Water cooler/
Fridge/ Other

36. Rationing facility : YES/ NO

37. Type of ration card : BPL/ APL/ Others

38. Type of ration : sugar/ kerosene/ dal/ cloth/ rice/ wheat/ spices/ other

39. Are they migrated : YES/ NO

40. Kind of facilities provided by this area (panchayat):

- a. Water supply –
- b. Electricity –
- c. Drainage facility –
- d. Proper footpath –
- e. Recreation centre –
- f. Waste dumping facility –
- g. Vehicle facility –

41. Other information :

42. Local festival :

43. Banking facility : YES/ NO

44. Major disease : malaria/ fever/ skin disease/ sun stroke/ other (mention)-
45. Medical facility from Govt. : YES/ NO
46. If yes which facility they can get? : immunization/ pulse polio/ free medical camp/ other (mention)-
47. Benefited by any national scheme: house loan/ ICDS/ Sarva siksha/ sanitation/ other (mention)-
48. Benefited by any other Govt. Or Non Govt. Organization:
49. Social system (Administration) :
50. Environment centre :
51. Problems of the village people (general opinion) :
52. Other problems : drinking water/ irrigation/ transport/ political issues/ others (mention)-
53. Relief during natural hazards: Govt. / Non- Govt. / Local organizations
54. Type of relief : A)
B)
C)
55. Suggestions of the village people:

AGRICULTURAL SURVEY

1. What is the name of agricultural zone?
2. How many people are employed in agricultural?
3. What is the amount of mixed agriculture?
4. What is the amount of rainfall in that zone?
5. Which types of crops are cultivated in that zone?
6. What types of machineries are used for agricultural purpose?
7. From which crops do you get maximum production?
8. In which crops do you have excessive demands?
9. What is the type of the soil in that zone - acidic/ basic?
10. What kinds of crops are produced for commercial purpose?
11. What is the measurement of the total agricultural land?
12. What type of irrigation is done here?
13. What are the circumstances of every field in this area?
14. Do you have better transport facilities?
15. Do you have any argument for soil testing?
16. How many problems do you face and did you find any solutions to them?
17. Do you get any emergency services during an environmental disaster?
18. What kinds of crops are produced during the different seasons?
19. Except agriculture, do you have any other work?
20. What is the distance between the agricultural field and the market?
21. Do you have the facility of extra crop storage?
22. What kind of help do you get from the agricultural department?
23. What kind of agricultural land is there?
24. Is agriculture a hereditary occupation in your family?
25. Are the agricultural activities done by the land owner?
26. Are there any advantages of the Govt. Loan for the agricultural purposes?
27. Which types of seeds are used in the agricultural practices?
28. Is there any agricultural samabai samitee?
29. What is the name of the samitee?

30. Which types of businesses are there?
31. Which types of crops are cultivated?
32. Are these crops seasonal or not?

14. Does the market has any rules and regulations : YES/ NO

15. Dustbin facility : YES/ NO

16. Drainage facility : YES/ NO

17. Water facility : YES/ NO

18. Bathroom facility : YES/ NO

19. Garbage water discharge facility : YES/ NO

HEALTH SURVEY

1. Name of hospital : _____
2. Address of Hospital :
Vill _____ P.O. _____
P.S. _____ Dist. _____
PIN _____
3. Estd. : _____
4. Total area of the hospital : _____
5. Shape of the hospital : _____
6. Total no. of wards : Male- _____ Female- _____
7. No. of beds : _____
8. No. of toilets : Male- _____ Female- _____
9. Type of hospital : _____
10. Subdivision: _____ Dist. _____
11. No. of doctors: Minimum- _____ Maximum: _____
12. No. of nurses : _____

13. Name of the B.O.M.H. : _____
14. Name of the superintendent: _____
15. Patients admitted per day : Minimum- _____ Maximum- _____
16. Outdoor hours : _____
17. Variation of patients : _____
18. Behaviour of doctors and the hospital management : _____
19. Bedding goods : _____
20. No. of floors : _____
21. Electricity : YES/ NO
22. Water supply : YES/ NO
23. Emergency : YES/ NO
24. Post mortem : YES/ NO
25. X – Ray : YES/ NO
26. City- scan : YES/ NO
27. Ultrasonography : YES/ NO
28. ECG : YES/ NO

29. Dispensary : YES/ NO
30. Blood bank : YES/ NO
31. Kitchen room : YES/ NO
32. Doctors Quarters : YES/ NO
33. Ambulance : YES/ NO
34. Security : YES/ NO
35. Chilled ward : YES/ NO
36. Doctors available all the time : YES/ NO
37. Surgeon : YES/ NO
38. Medicine available here : YES/ NO
39. Vaccination : YES/ NO
40. HIV Patients come here : YES/ NO
41. Delivery of the baby : Normal- _____ C- section (caesarean)- _____
42. Internet connection : YES/ NO
43. Waiting room for patient's family : YES/ NO
44. Eco- friendly campus : YES/ NO
45. Tube well : YES/ NO

46. Dustbin available : YES/ NO

47. Condoms available : YES/ NO

48. Entertainment room : YES / NO

49. ESIC patients admitted : YES/ NO

50. Oxygen availability : YES/ NO

51. Fire safety : YES/ NO

PRIMARY SCHOOL SURVEY

1. Location of the school :

Village- _____
P.O. - _____
Dist. - _____
PIN - _____

2. Name of the school : _____

3. Name of the headmaster/ headmistress : _____

4. Name of the secretary : _____

5. Name of the president : _____

6. Registration number : _____

7. Estd. : _____

8. No. of teachers : MALE - _____ FEMALE - _____

9. No. of students in the following classes :

I	II	III	IV

10. No. of students who fall under the following categories :

General	SC	ST	OBC	Others

11. Staff room : YES/ NO
- 12.No. of non- teaching staff : _____
- 13.Library room : YES/ NO
- 14.No. of classrooms : _____
- 15.Toilet : YES/ NO
- 16.No. of students attending school per day : _____
- 17.Arrangement of mid- day meal : YES/ NO
- 18.If yes, mid-day meal : MALE- _____ FEMALE- _____
19. Tube well : YES/ NO
- 20.School bus : YES/ NO
- 21.Cycle stand : YES/ NO
- 22.Garden : YES/ NO
- 23.Playground : YES/ NO
24. Funding agencies : Govt. / Others (mention)-
25. Specific school landform : YES/NO
- 26.Student batch : YES/ NO
- 27.Annual sports : No. of days- _____ Month- _____

28. Blood donation camp : YES/ NO

29.No. of dropout students in last 5 years (mention the years):

MALE : _____ YEARS : _____

FEMALE : _____ YEARS : _____

30.What are the problems faced in school ?

31. What are the suggestions to solve these problems?

15. No. of students who fall under the following categories :

Category	V	VI	VII	VIII	IX	X	XI	XII	TOTAL
General									
SC									
ST									
OBC									

16. Staff room : YES/ NO

17. Non- teaching staff room : YES/ NO

18. Library room : YES/ NO

19. Toilet : YES/ NO

20. School bus : YES/ NO

21. Cycle stand : YES/ NO

22. Tube well : YES/ NO

23. Garden : YES/ NO

24. Playground : YES/ NO

25. Internet facility : YES/ NO

26. No. of classrooms : _____

27. Arrangement of mid-day meal : YES/ NO

28. No. of students attending mid-day meal per day: MALE- _____
FEMALE- _____

29. Total no. of computer labs : _____

30. Science lab : YES/ NO

31. Hospital facility : YES/ NO

32. No. of students in hostel : BOYS- _____ GIRLS- _____

33. No. of students who appeared
In madhyamik exam this year : PASS- _____ FAIL- _____

34. No. of students appeared in higher secondary exam this year : _____

35. Result of H.S. in this year : PASS- _____ FAIL- _____

36. No. of students in :
a. Commerce- _____
b. Science- _____
c. Arts- _____

37. Extra- curricular activities :

38. Wall magazine : YES/ NO

39. N.S.S. Programme : YES/ NO

40. P.P.T. Programme : YES/ NO

41. Annual sports : YES/ NO

42. Blood donation camp : YES/ NO

Name of the supervisor:

Sanghamitra Ari Adak (SACT)

Vivekananda Mission Mahavidyalaya

DATE: _____

Signature of student _____

Signature of supervisor _____

TOURISM SURVEY (OPEN TOURIST SURVEY)

- Name of the tourist:
- Gender -
 - a. Male
 - b. Female
- Year of birth:
- Citizenship:
- What is your employment status:
 - a. Employed
 - b. unemployed
 - c. self- employed
 - d. retired
 - e. renter
 - f. student
 - g. other (mention)-
- Name of the country of your residence :

1. What is the most sustainable transport to reach Manali?

By car/ by bus/ low cost airline/ by train/ if other (mention)-

2. From where did you hear about this tourist destination?

I already knew of it/ the internet/ friends and relatives/ media/ books and guides/ travel agency/ fairs/ exhibitions/ it was a part of the travel package/ If other (mention)-

3. Is it your first visit to this destination? Yes/ No

4. Whether your trip to this tourist destination is organized by a travel agency or any other organisation? Yes/ No

5. How many nights are you planning to stay at this destination? :

6. Have you had any reason to complain since you have been staying at this tourist destination?

a. If yes, have you filed a complaint?

b. No

7. On the other, have you had any reason to praise this tourist destination since the beginning of your stay?

a. If yes, have you expressed your compliments?

b. No

8. Who is accompanying you on your current visit to this tourist destination?

No one/ partner/ family or relatives/ friends/ co-workers/ business partners/ other (mention)-

9. When did you decide to stay at this tourist destination?

- a. Less than a month ago
- b. 1 to 3 months ago
- c. More than 3 months

10. Was it a last minute offer? Yes/ No

11. How often do you go on holidays for at least 5 days stay?

- a. Every few years
- b. Once a year
- c. Several times (2-4 times) a year
- d. More than 4 times a year

12. Expenditure of total tour package per person:

13. What was the main reason for your visit to this tourist destination?

- a. Rest and relaxation
- b. Visiting relatives and friends
- c. Business reasons
- d. Attending a seminar, congress, conference and other forms of education
- e. Culture
- f. Fun
- g. Sports and recreation
- h. Health
- i. Religious reasons
- j. Other (mention)-

APPLE GARDEN SURVEY

- Name of the garden :
- Convenient location :
- Is the garden personal or a co-operative farming? :
- Total area of the garden :
- Which varieties of apples are grown here?
 - 1.
 - 2.
 - 3.
 - 4.
 - 5.
 - 6.
- Production of apple per year :
- What is the season of apple production? :
- From which month to which month the production takes place?
Mention :
- Cost of apple per kg :
 - 1.
 - 2.
 - 3.
- Cost of apple per quintal :
 - 1.
 - 2.
 - 3.

- Apple exportation takes place in which states of India?
Mention :

- Apple exportation takes place in which countries of the world?
Mention :

- Whether there are transport facilities connected to the apple garden?
Mention :

- How many apple gardens are there in –
 1. Manali :
 2. Shimla :
 3. Kulu :

- How many employees work here? :

- Tourist review rate :

HOTEL SURVEY

- Name of the hotel :
- Year of establishment :
- Convenient hotel location :
- What is the hotel rating? :
- Appealing interior and exterior decor :
- Equipped with modern and comfortable furniture : Yes/ No
- Whether the rooms are very clean and comfortable? : Yes/ No
- Room tariff is reasonable : Yes/ No
- Range of room cost for one day : a. Below 2000 rs
b. 2000- 4000 rs
c. above 4000 rs
- AC/ Non- AC facility : Yes/ No
- Number of rooms in total :
- Whether the rooms have a calm and quiet atmosphere? : Yes/ No
- Rooms are spacious : Yes/ No
- Whether the hotel is facilitated with both fooding and lodging? : Yes/ No

- Is the hotel available for tourists throughout the years? : Yes/ No
- Which months of the year are the most favourable for tourism business? :
- Which parts of India are most attracted to the tourism here in Manali? Mention 5 states and places –
- Which countries of the world are most attracted to the tourism in Manali?
 - 1.
 - 2.
 - 3.
 - 4.
- What are the facilities and ambiances associated with the tourist package?
 1. Travel
 2. Transport
 3. Guide
 4. Fooding
 5. Lodging
 6. Photography
 7. Clubbing
 8. Sky diving
 9. Laundry
 10. Housekeeping
 11. Separate dining hall, kitchen, restaurant, etc.
- What is the average review rating of this hotel? :

- Hotel check in time :
 - Hotel check out time :
 - How many employees work in this hotel? :
 - What are the challenges faced by the hotel business during Covid 19? :
- Mention-

Dr. Arun Kumar
01.05.2020

