



SHRI RAJASTHANI SEVA SANGH'S

**Smt. Parmeshwaridevi Durgadutt Tibrewala Lions Juhu
College of Arts, Commerce & Science**

Affiliated to the University of Mumbai

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Ref. No. 330 /2021-22

Date: 25/01/2022

To,

The National Assessment And
Accreditation Council (NAAC)
Bengaluru,

Dear Sir,

Sub: Clarification regarding Metric I.D.- 1.3.2.1.

This letter is to state to NAAC Committee about the clarification i.e., Metric I.d.-1.3.2.1. regarding the number of courses that include experiential learning through field work. Earlier it was unintended mistake now we are providing the updated data along with supporting documents.

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	1	1	1

Kindly consider these for further proceedings.

Best Regards



Yours faithfully

Dr. (Mrs) Trishla Mehta

Principal

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Mumbai - 400 059.

University of Mumbai

Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester –VI, Paper No: VI

Subject Title: **TOOLS AND TECHNIQUES IN GEOGRAPHY FOR**

SPATIAL ANALYSIS-II (Practical)

COURSE CODE: _____, Credit: __03__



Unit -I	Nature of data and central tendency	Lectures
	1.1. Meaning and types of data, variable, observation, observation value, simple, discrete data and continuous data	09
	1.2. Frequency Distribution, Histogram, Frequency Polygon and Ogive	
	1.3. Measures of Central Tendency- mean, median and mode	
Unit -II	Dispersion and Deviation	
	2.1. Mean Deviation and Quartile Deviation	09
	2.2. Standard Deviation	
	2.3. Moving Averages (3 years and 5 years)	
Unit -III	Correlation, Regression & Hypothesis Testing	
	3.1. Calculation of correlation coefficient - Pearson's and Spearman's methods	09
	3.2. Regression analysis	
	3.3. Chi square test	
Unit-IV	Sampling	
	4.1. Sample and sample design in geography	09
	4.2. Point sampling – Systematic and random	
	4.3. Line sampling – Systematic and random	
	4.4. Area sampling – Systematic and random	
Unit-V	Field work in Geography of any one place/village	09
	5.1. Collection of physiographic data – Field observation, field sketching, collection of soil and rock samples, identification of vegetation etc.	
	5.2. Collection of socio-economic data – interviews, questionnaire survey, visit to local governing office, NGO's etc.	
	5.3. Collection of geospatial data – toposheets, aerial photographs, Google images/maps, Bhuvan images etc.	
	To prepare a geographical report of a place with the help of an available 5.1, 5.2, and 5.3 aspects	

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29/3

SMT. PARMESHWARIDEVI DURGADUTT
TIBREWALA LIONS JUHU COLLEGE OF ARTS,
COMMERCE & SCIENCE.

SOCIO-ECONOMIC SURVEY

BHIWALAPADA, SILVASSA (DADRA & NAGAR HAVELI)

Name: - Manish Kumar

Class: - T.Y.B.A.

Roll. No. : - 314

Seat No. :-

Semester- VI

Subject:- TOOLS AND TECHNIQUE IN GEOGRAPHY FOR
SPATIAL ANALYSIS-II(Practical)

Paper No. VI

Academic year 2019-2020 (CBSGS)

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CERTIFICATE

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LIONS JUHU COLLEGE OF ARTS,
COMMERCE AND SCIENCE.
J. B. NAGAR, ANDHERI (E), MUMBAI-400059.

This is to certify that
Mr. ~~Miss~~ *Manish Kumar* of
T.Y.B.A
Roll No. *314* Examination Seat no. *3001956*
Has satisfactorily completed Experiment in the subject of
Geography Paper VI (Semester VI)
Prescribed by the Syllabus of University of Mumbai.

Head of the Department Sign.

College Seal



External Examiner's Signature

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ACKNOWLEDGEMENT

I would like to thank the faculty of SMT.PARMESHWARIDEVI DURGADUTT TIBREWALA LIONS JUHU COLLEGE OF ARTS, COMMERCE AND SCIENCE affiliated to the University of Mumbai for organizing the socio-economic survey on 5th & 6th Feb, 2020 as a part of syllabus of Paper-VI TOOLS AND TECHNIQUE IN GEOGRAPHY FOR SPATIAL ANALYSIS-II(Practical).

A special thanks to Ms. Jayeeta Dutta (HOD, Geography) for her constant encouragement and guidance from the beginning to the end with never ending patience. Her constant support and efforts helped me to complete my project on time.

Special thanks to our Principal Dr.Trishla Mehta and President Dr.Vinod Tibrewala for their co-operation during the time of completion of the project.



Trishla Mehta
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VISIT TO SILVASSA

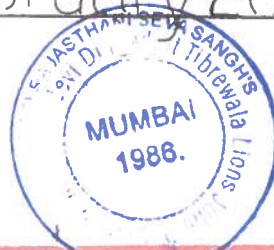


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TYIBA STUDENTS

ACADEMIC YEAR - 2019-20

5-6 February 2020

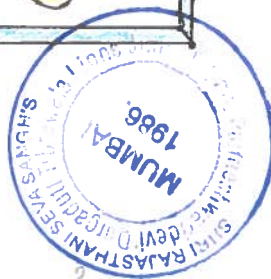
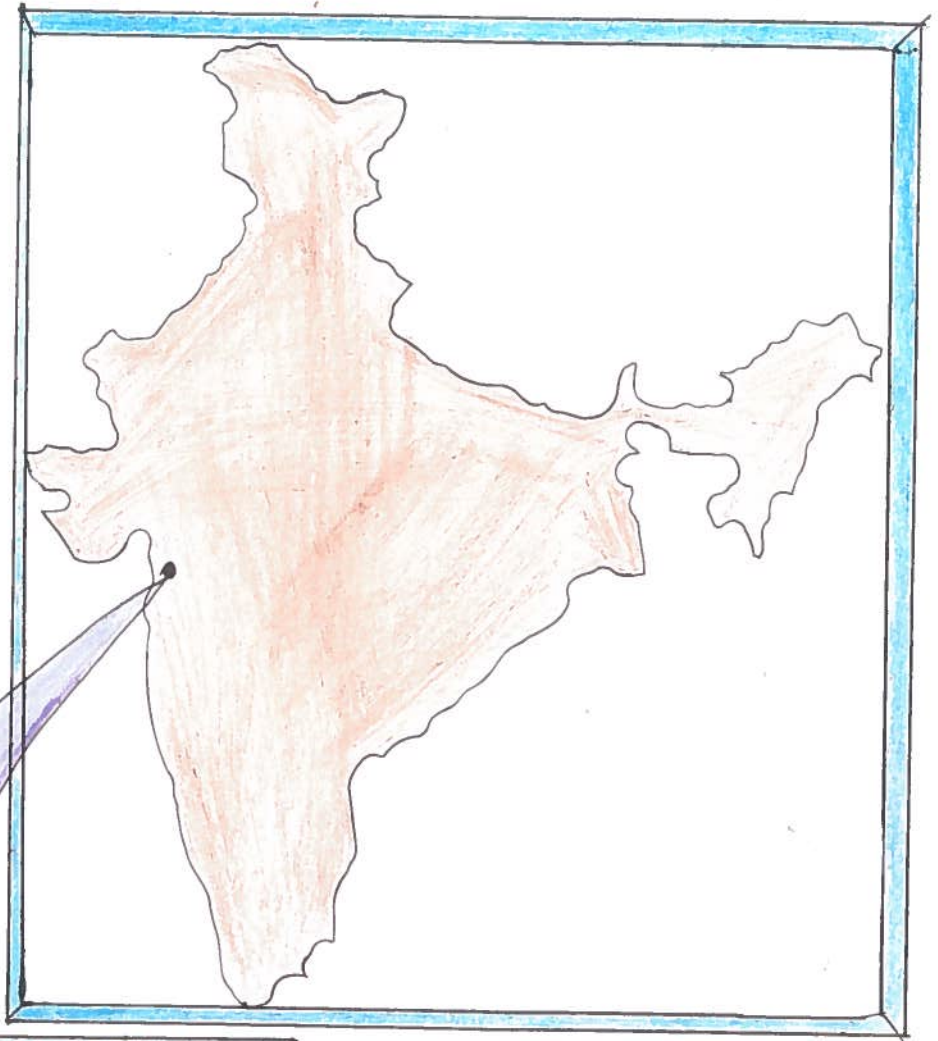


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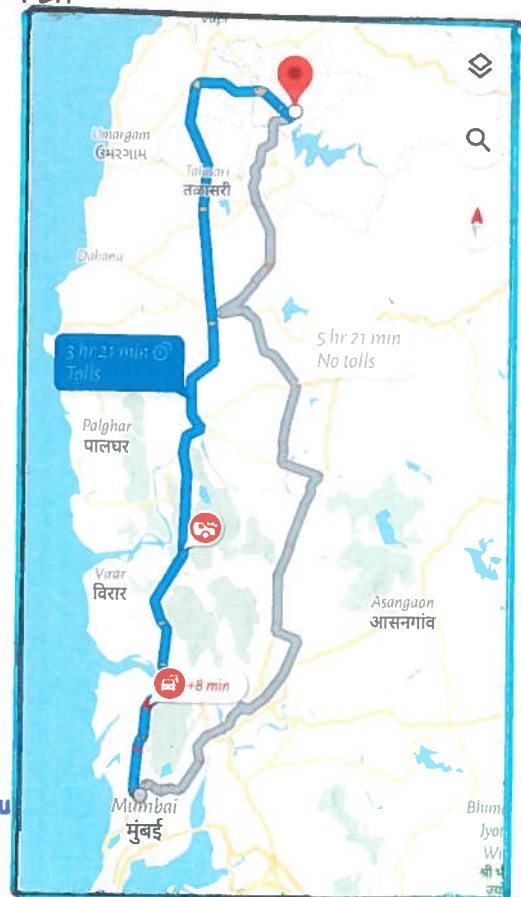
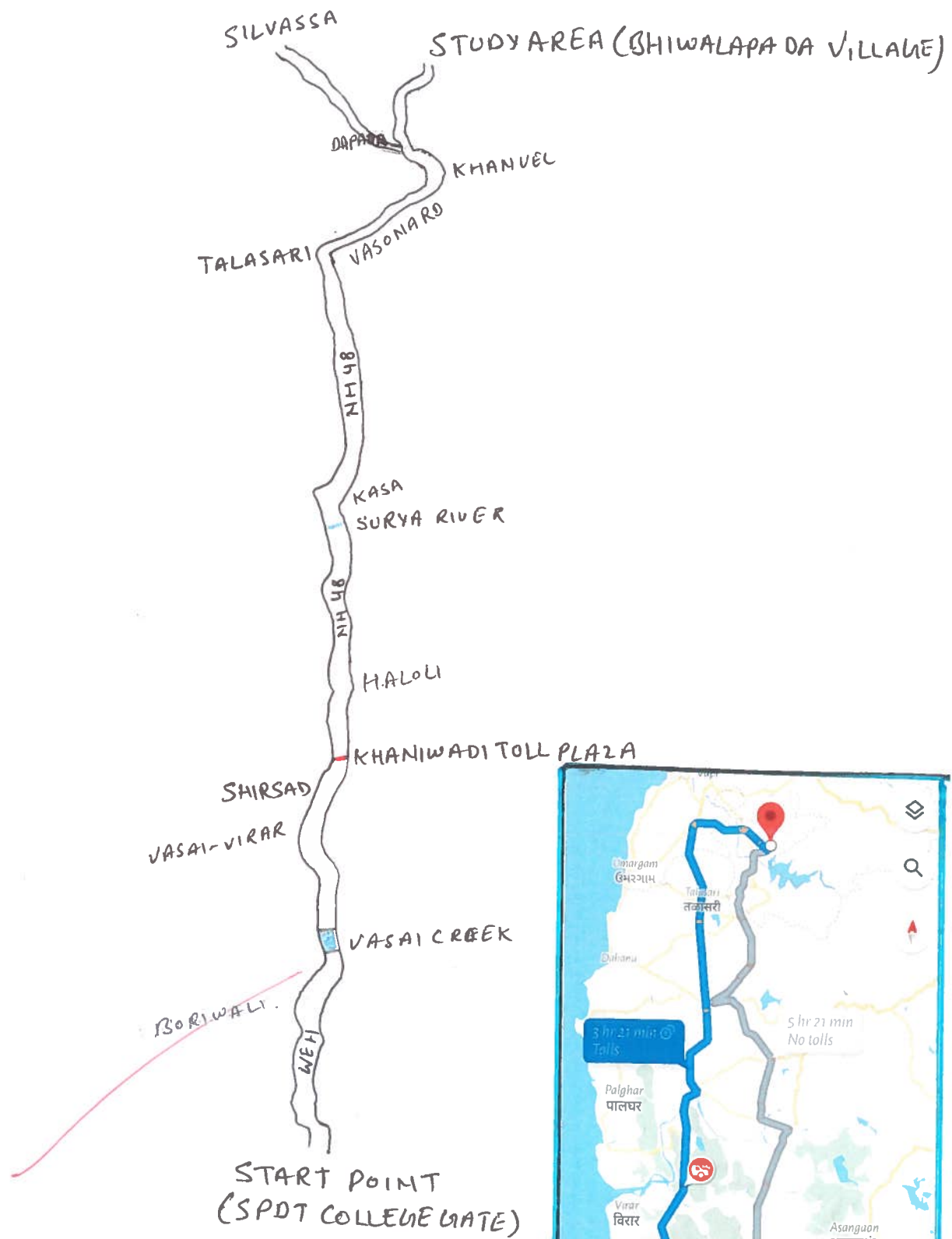
LOCATION MAP



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NOT TO SCALE

ROUTE MAP



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NOT TO SCALE



SOURCE-Google

GLIMPSES OF SILVASSA

Coordinates : 20.27°N , 73.02°E
Union territory : Dadra and Nagar Haveli and
Daman and Diu
District : Dadra and Nagar Haveli
Population (2011) : 38,265
Languages : English, Hindi, Dhodia
Telephone code : 0260



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HISTORY

The end of the 19th century, Silvassa was only a small village. The growing importance of Silvassa started in 1885 when the Portuguese Administration decided to transfer the seat of Nagar Haveli to the city, which until then had been in Dadra. By decree of 11 Feb 1885, Silvassa was created as a town, with the name of Vila de Paco d'Arcos. However the Original name prevailed and the town continued to be mainly known as Silvassa and referred to as such in official documents.

The profound history of Dadra and Nagar Haveli begins with the defeat of the Kohli chieftain of the region by the invading Rajput kings. It was the Marathas that retrieved the region from the rule of the Rajputs in the mid 18th century. In 1779, the Maratha Peshwa formed an alliance with the Portuguese allowing them to collect revenue from the 79 villages of Dadra and Nagar Haveli. The rule of the Portuguese in the region continued till the region gained independence on 2nd August 1954. The region was merged with the union of India in the year 1961.



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GEOGRAPHICAL FEATURES

The river Damanganga flows through the union territory and opens into the Arabian Sea. Dadra and Nagar Haveli is bordered by the Indian States of Maharashtra and Gujrat. Ranges of the Sahyadri Mountains of the western Ghats lie in the region. The chief occupation of the people of the union territory is agriculture. More than 40% of the total area comprises of forest region that are rich in flora and fauna.

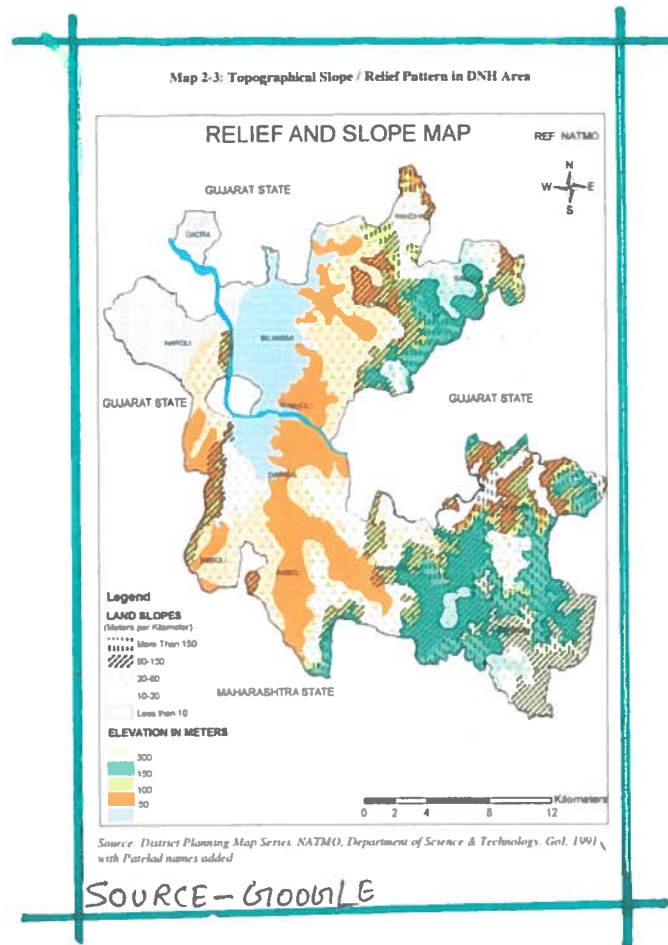
Western Ghats comprises 72 small villages sandwiched between the state of Gujrat and Maharashtra. 53% of the area is under forest cover, and the rich bio-diversity makes it an ideal habitat for a variety of birds and animals. This makes it a perfect spot for eco-tourism. Tribes constitute



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RELIEF



The map shows the slope and relief features of Dadra & Nagar Haveli. A significant portion of the land area is of hilly terrain nature with predominantly under forest-cover and agricultural ~~usage~~ usage. The topography is undulating and rolling. The territory has a hilly terrain in the north-east and south-eastern part which is surrounded by the ranges of Sahyadri mountains (Western Ghats). The central and remaining part of the region is fairly plain. The highest point in the region is 423m above the mean sea level.



Tibrewala

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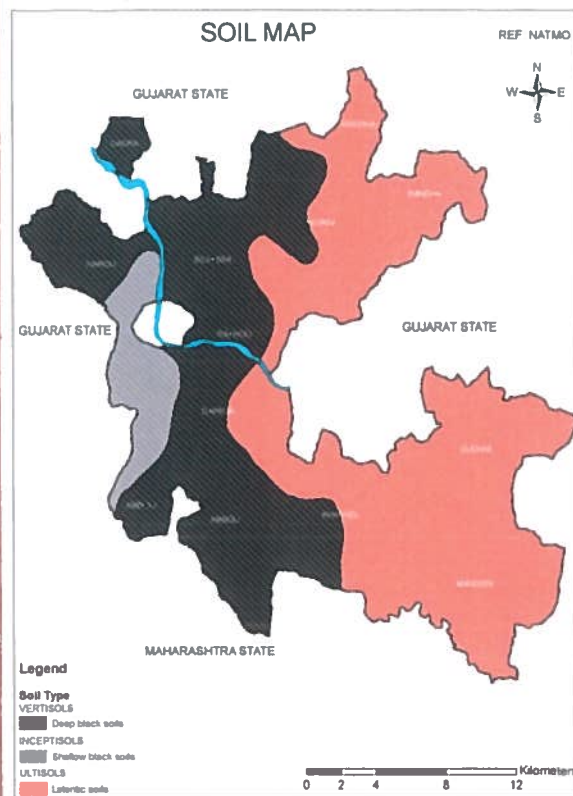
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SOIL

Map 2-4: Soil Pattern in DNH Area

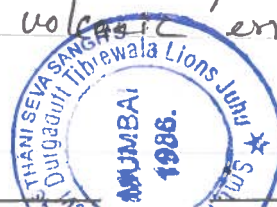


Source: District Planning Map Series, NATMO, Department of Science & Technology, Govt. 1991 with Patelad names added

SOURCE - GOOGLE

The map shows the distribution of soil in Dadra and Nagar Haveli. Three types of soils are found here they are the Laterite soil, shallow black soils and deep black soils. In Dadra and Nagar Haveli laterite soils are found in large quantities. In Silvassa the soil type that is most found is the deep black soils. In Dadra and Nagar Haveli laterite soils are found the most, these soils are formed due to leaching & leaching happens due to high tropical rains and high temperature. In DNH shallow and black soils are also found, these soils are found in hillier regions, this soil is best suited for cotton cultivation.

These black soils are formed by weathering of rocks & cooling of lava after a volcanic eruption. Silvassa is covered with such soils.



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CLIMATE

The climate is tropical in Silvassa. The summers here a good deal of rainfall. While the winters have very little.

This location is classified as Aw by Koppen and Geiger. In Silvassa, the average annual temperature is 26.7°C / 80°F . In a year, the rainfall is 2164 mm / 85.4 inch.

The driest month is January. There is 0 mm / 0 inches of precipitation in January. Most of the precipitation have falls in July averaging 878 mm / 34.6 inch.

With an average of 30.6°C / 87.1°F , May is the warmest month. January is the coldest month, with temperatures averaging 22.4°C / 72.3°F .

The precipitation varies 878 mm / 35 inch between the driest month and wettest month. Throughout the year, temperatures vary by 8.2°C / 46.8°F .

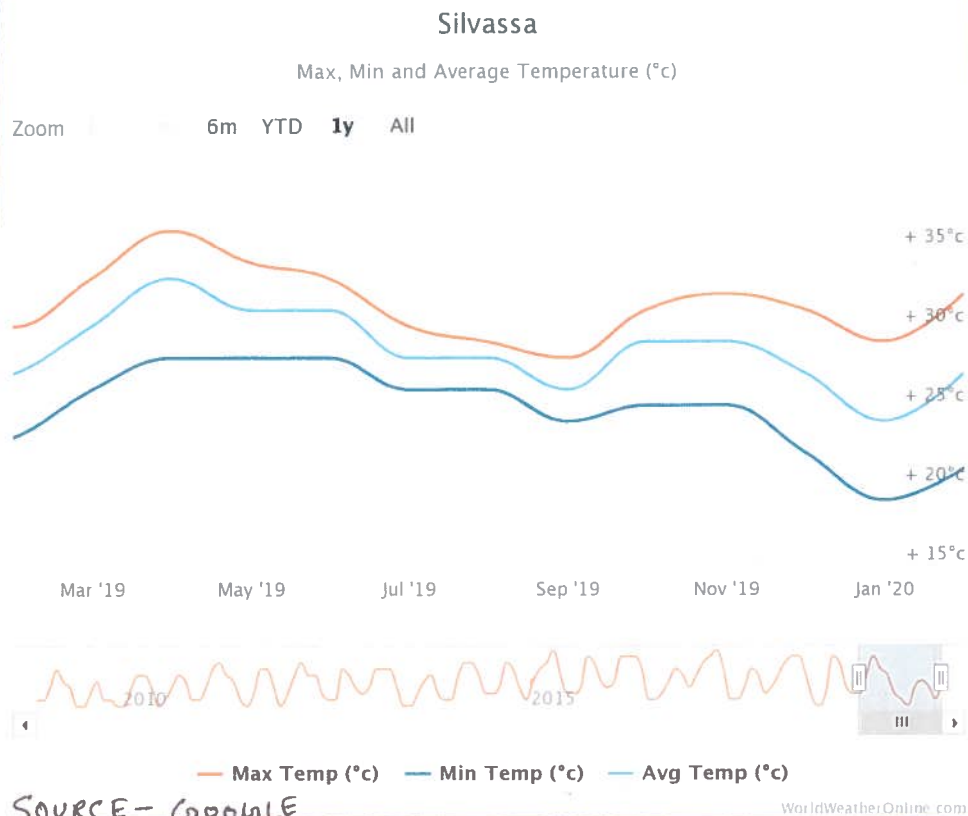


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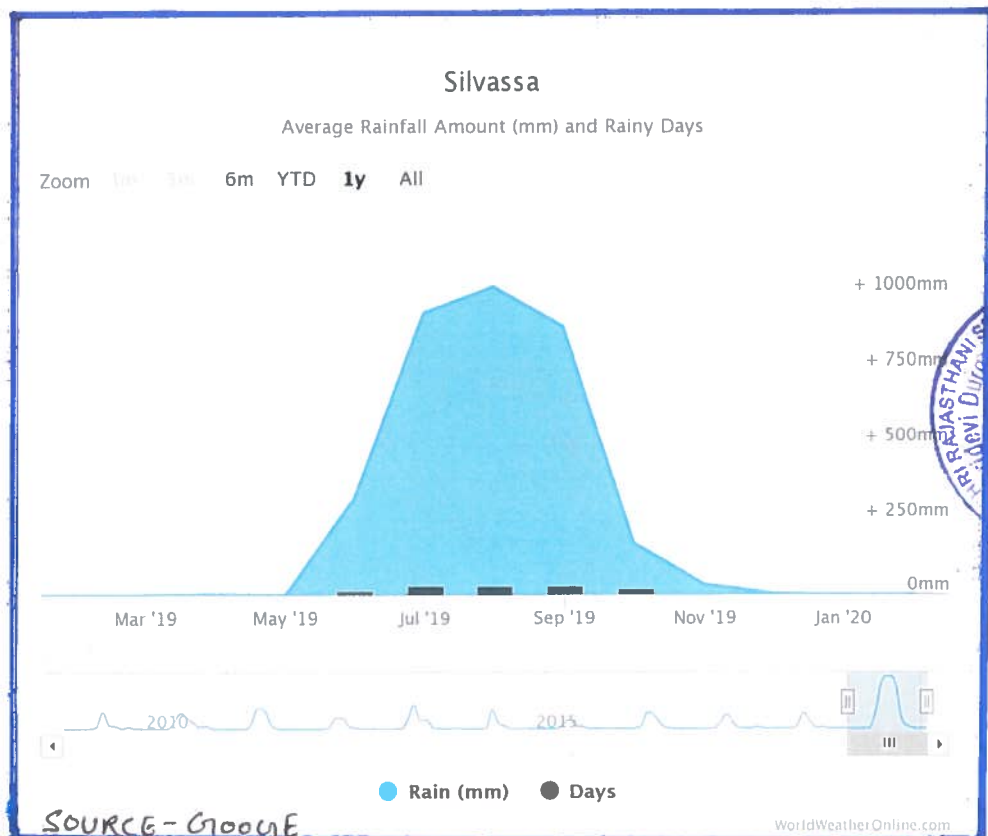
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SOURCE - Google

In the above figure the Average temperature of Silvassa is 25°C, whereas the maximum temp. there is 30°C and minimum temperature is 20°C



SOURCE - Google

Above figure showing the average rainfall amount in mm and rainy days of Silvassa in 2019.

PHYSIOGRAPHY FEATURE

The terrain is undulating and hilly, reaching elevations of 1000 feet (300 meters) in the northeast and east near the Western Ghats. lowland areas are limited to the central plains, which are crossed by the Daman Langa River and its tributaries.

VEGETATION

The flora in Dadra and Nagar Haveli comprises of rare species of Sadra, Mahara, Sisam, Khair, and teak trees. A part of the thick forest region is navigable where 58 tribal villages of the Union territory reside. The forest of Dadra and Nagar Haveli is rich in economic resources that are used in the small and cottage industries that have developed in the region. 53% of the area is under forest cover and rich bio-diversity make it an ideal habitat for a variety of birds and animals. This makes it a perfect spot of eco-tourism. River Daman Langa and its tributaries criss-cross the land, draining into the Arabian Sea at Daman.



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NATURAL RESOURCES

Forest areas occupy 203.21 Sq. km, about 41.4% of the total area of Dadra and Nagar Haveli and 92.59 km of the forest is declared as Wildlife Sanctuary Area. The area is dense mostly in north-eastern, eastern and south eastern part of the region. with a tropical moist deciduous type and form a important economic source. The important species of trees that are found are : teak (*Tectona grandis*), Soda (*Terminalia tomentosa*), Khair (*Acacia catechu*), Mahua, Sisam etc. which constitutes main wealth of territory.

The forest also serve as habitat for several species of fauna and flora like Panther, Bhekar, Hyena, Wild pig, Peacock, Kingfisher, Wildowl, Tital, Tailor birds. The successful introduction of Chital, Sambhar, Milgai and few other behaviours in a small area has encouraged the Department of forests to extend it to other natural habitats.



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TREES

KHAIR

A Thorny tree which grows upto 15m (50 ft.) in height. The plant is called "kachui" in Malay. The tree's seeds are good source of proteins. Kattha an extract of its heartwood is used as an ingredient to give red colour and typical flavor to paan.



KHAIR TREE

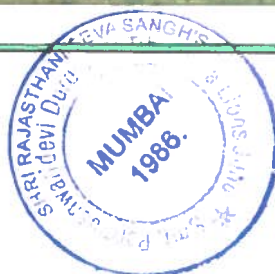
SANDRA



SANDRA TREE

A tree distantly related to Teak trees and have the longest flowering periods.

A large tree that grows rapidly when young to a mature height of 12-20 metre or more.



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SISAM (SHEESHAM)

Known as North Indian rosewood, is a fast growing tree native to Indian Subcontinent and Southern Iran.

A large crooked tree with long leathery leaves and whitish or pink flowers. Sheesham is the best known economic timber species of the rosewood genus sold internationally.



SISAM



TEAK

TEAK

A tropical hardwood tree species placed in the flowering plant family Lamiaceae. Teak is a large deciduous tree that occurs in mixed hardwood forests like Salwasa.



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DEMOGRAPHY

Silvassa is a Municipal City in district of Dadra and Nagar Haveli. The Silvassa city or Municipal Council has population of 98,265 of which 55,982 are males while 42,283 are females as per report released by Censuses India 2011.

In Silvassa Municipal Council, female sex ratio is of 755 against state average of 774. Literacy rate of Silvassa city is 91.01% higher than state average of 76.24%. In Silvassa, Male Literacy is around 94.83% while female literacy rate is 85.83%.

SILVASSA		
POPULATION	=	98,265
HINDU	=	88.22%
MUSLIM	=	8.09%
CHRISTEN	=	1.96%
SIKH	=	0.14%
BUDDHIST	=	0.45%
JAIN	=	0.96%
OTHERS	=	0.18%

The total area of region is divided into 3 villages in Dadra and 69 villages in Nagar Haveli.



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LANGUAGE

Gujarati, Marathi and Hindi are the commonly spoken languages. Warli is the language spoken by the tribal population. It is a dialect of Konkani, just as Agri which is also spoken. A former Portuguese enclave, Silvassa has been a significant Roman Catholic population.



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ECONOMY

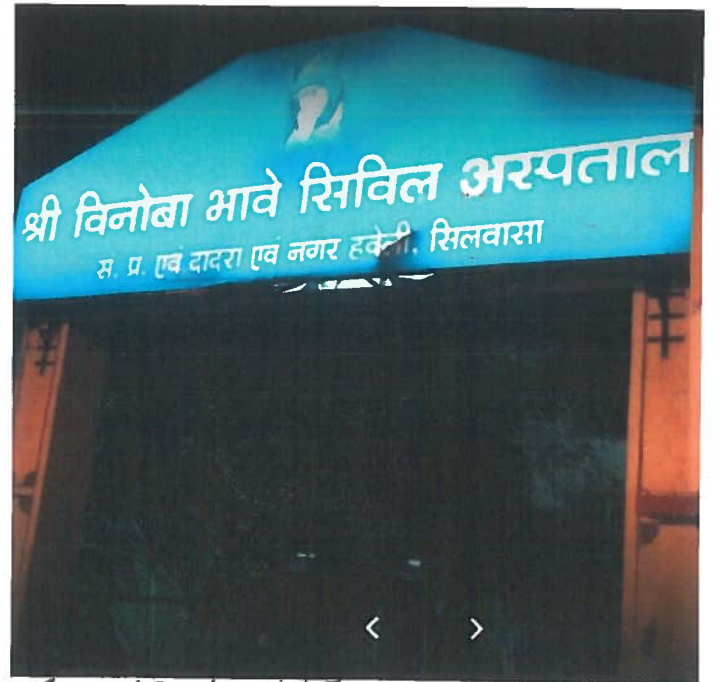
Dadra and Nagar Haveli's gross state domestic products for 2004 was estimated at \$218 million in current prices. Its nominal GDP increased to \$360 million in the year 2009 with a per capita income GDP of \$1,050. The economy of Dadra and Nagar Haveli relies on five major activities they are agriculture, industries, forestry, animal husbandary and tourism.



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PRIMARY SCHOOL - BHIWLAPADA



SOURCE - Google



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CONNECTIVITY



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CONNECTIVITY

Silvassa is connected to Maharashtra and Gujarat via NH 848A. Silvassa has a well-maintained road network. The nearest railway stations are in Vapi 16 km away and Bhilad 14 km away. Daman is 30 km away via Bhilad on NH 8. Mumbai is 160 km away from Silvassa, via Bhilad, on NH 8, Surat is 130 km away from Silvassa, via Bhilad on NH 8. Auto-rickshaw services ply b/w vapi and Silvassa at a regular interval and easily available from Vapi (E) railway station. Gujarat Road Transport Buses ply b/w Silvassa and Vapi at a regular interval.



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TOURIST ATTRACTIONS



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TOURIST

ATTRACTIONS

VASONA LION SAFARI

Vasona Lion Safari is a heaven for wildlife enthusiasts. The best way to explore the park is to take a safari in a bus or van fitted with mesh screen and spot the majestic lions in their natural habitat. There are more than three lions in the safari park, which is sprawled over an area of 20 acre and bound by a 3-m high wall. We also spot other wild species and pythons during the safari.

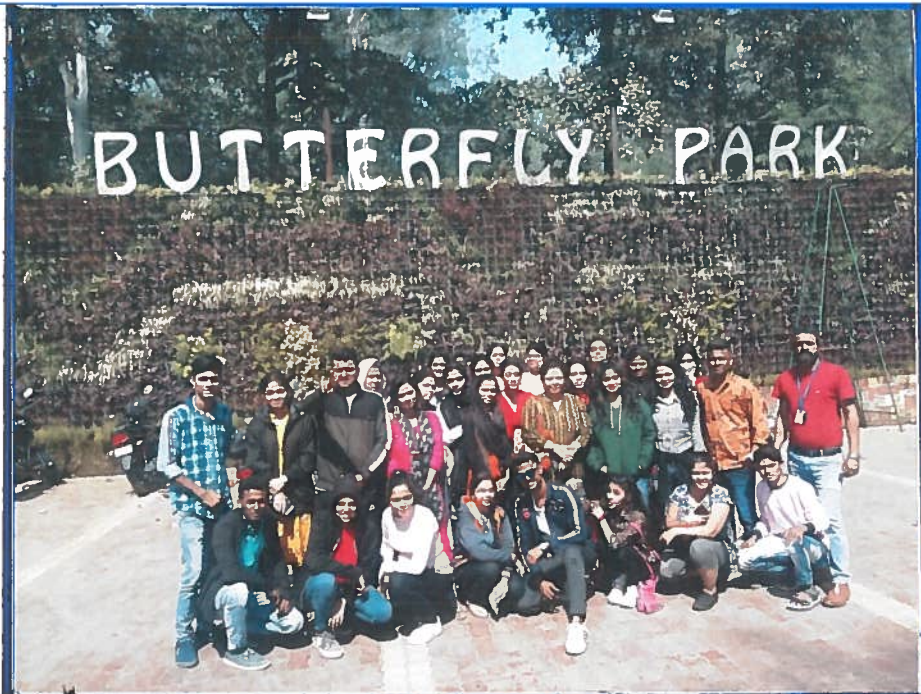
BUTTERFLY PARK

The Butterfly park is at Khanvel around 27 km from Vapi. Butterfly park is quite good hosting various species of butterflies. We cited around 7-8 species of butterflies.

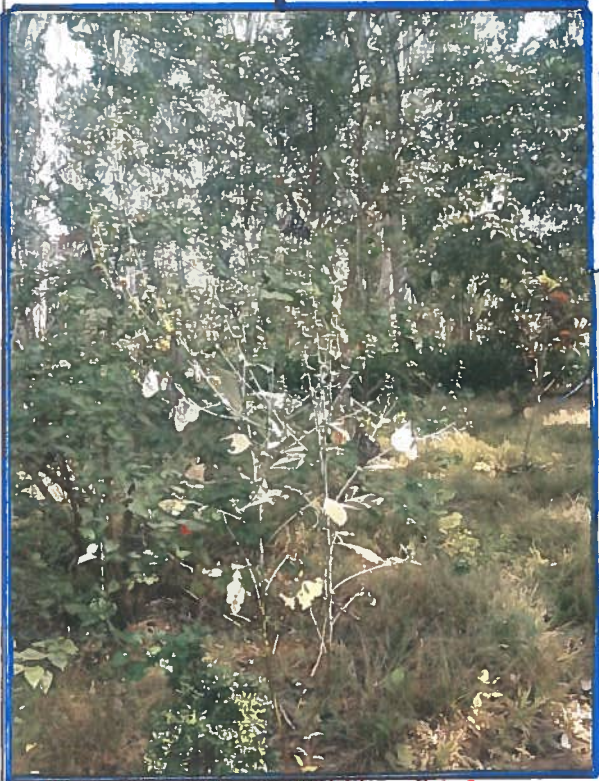


Intellect

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WE ARE AT BUTTERFLY PARK



BUTTERFLIES IN PARK



SATMALIYA DEER PARK



GROUP AT VASONA LION SAFARI



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SATMALIYA DEER PARK

Satmaliya Deer Park is situated at Dapada in the outer area of Silvassa on Khanvel - Silvassa road. The park is a home to a wide variety of deer species such as black buck, chinkara, spotted deer, sambhar, nilgai, four-horned antelope and many more. It is a huge park and is spread over an area of approximately 300 hectares. There are government owned Gypsy vans, which can be availed for thirty minute park tour. The entry fee to the park is RS. 25 per Indian.

DUDHINI LAKE

Located about 40 km from Silvassa. Dudhni today is a major destination for travellers visiting Silvassa. The tourism department of Dadra & Nagar Haveli has investing in making Dudhni in a popular water sports destination. Apart from water sports one can enjoy the scenic landscapes of Dudhni. If you are a culture lover, you also have to be here as you will get to know and interact with the native tribes of this place.

REPORT



Principles

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REPORT

The Geography Department had organized a geography field visit to Silvassa, Dadra and Nagar Haveli on the 5th and 6th of February, 2020. The trip was organized by department head Prof. Jayeeta Datta for the academic year 2019-20. Total 31 students visited Silvassa for our socioeconomic survey as a part of Sem-VI. paper no. 6, unit-5 field work in Geography to any village for the collection of socio-economic data by interviewing with the help of questionnaires.

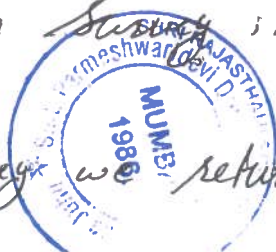
The students were asked to present themselves in the college premises at 7 AM. We all were punctual. Our bus departed from the college for our destination by 7:40 AM after puja.

We travelled from the western express highway and NH 48 to reach our destination. On our way to Silvassa we stopped by the Butterfly park in Khanvel.

After visiting the butterfly park we continued our journey and reached our destination Bhawalapada an Adivasi in Silvassa at 1:30 PM. We stayed at Freat Resort in the same area.

After reaching we were directly taken for lunch and were also allotted our respective rooms. We were given a while to rest after which we had to go for conducting survey in the nearby Adivasi village.

After conducting the survey we returned to our respective



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rooms and we took some rest. A DJ night was organized by the Resort for us. We all enjoyed dancing from 7 PM to 8:30 PM. After the DJ we got to spend sometime around and rest whilst clicking photographs and then go for dinner. After having our dinner we went back to our rooms to sleep and we were asked to assemble the next morning at 9 AM.

Then we all first did our morning breakfast and then boarded the bus to visit Salmaliga deer park and Lion Safari, Vasona.

After visiting these places we returned to the resort by 1 PM and went for lunch. After we finished having our lunch we clicked few grouped photographs before leaving.

After clicking a few photographs with our professor and classmate we boarded the bus to go back to our home.

After a safe and enjoyable ride back home we reached back safely to our college premises by 7:30 PM. All of us had a wonderful experience of Silvassa and we got a down of knowledge of the lifestyle of the tribal people living there.



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SOCIO-ECONOMIC

Socioeconomics is the social science that studies how economic activity affects and is shaped by social processes.

SOCIO-ECONOMIC SURVEY

Socioeconomic survey is a very development activity. In socio-economic we prepare demographic details, household category wise, population report, education status, land holding and cropping pattern, live stock details of the village. It tells 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.



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OBJECTIVE

- To study socio-economic condition of local people of Silvassa.
- To focus the problems face by local people.
- To study about the facilities and amenities of study area.
- To provide some applicable recommendation for the betterment of study area.

METHODOLOGY

The report is based on primary data collection. The students of TYBA done the door to door survey with proper questionnaire for making the field trip report.

The secondary data has been collected from different sources like, census, internet, books, etc.



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FINDINGS

We conducted Socio-economic survey in a small aelvasi village in Silvassa. We interviewed 78 respondents. The survey was conducted with the help of a socio-economic survey questionnaire. According to the data that we recieved from the survey we find out that most of our respondents were in the age group of 15-30 years and most belong to the Hindu Religion. According to the data we find out that the monthly expenditure of our respondents was not more than 2500 rupees and their annual income was not more than 40,000 rupees. All the respondents annual income were below 40,000 Rs.

While Conducting the survey we found that there are no proper water facilities and therefore the Govt. should takes some initiatives to provide regular water for their daily use.

Most of the respondents who we surveyed relied on farming and farming activities for their source of Income.

When the respondents were asked about their daily cooking facilities, we find out that nearly 50% families use kerosene for cooking and some families even use wood which shows the unavailability of cooking facilities.

When it comes to unavailability of basic facilities, the main problem that these respondents face is the lack of toilet facilities. Nearly 91% of the respondents



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did not have toilet facilities in their homes. The respondents face a lot of problems due to no sanitation facilities.

After conducting the survey what we found that these Aelivasi villagers face a lot of problems of insufficiency of even the basic facilities.

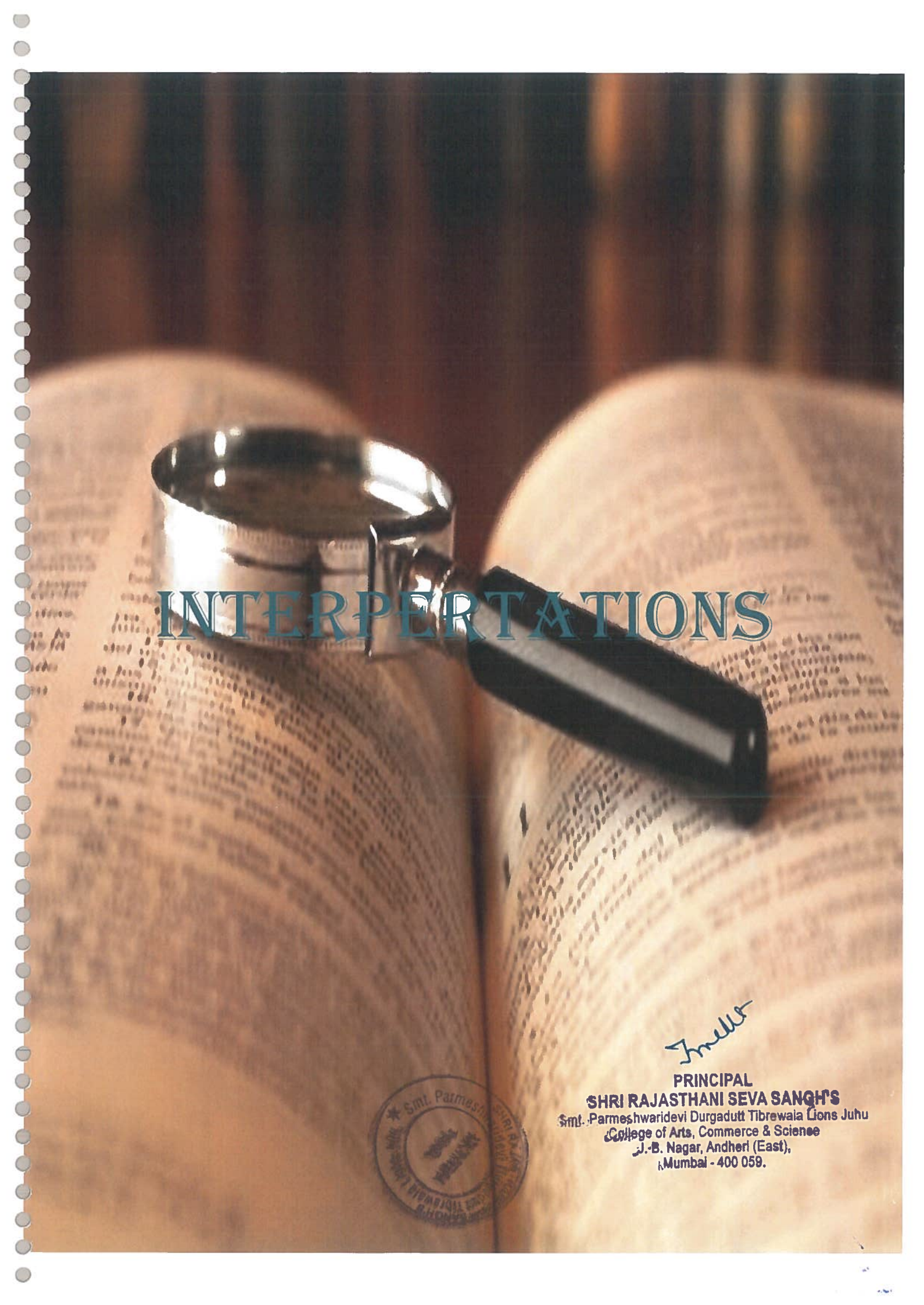
Thus, the basic facilities like water supply toilet, electricity, cooking facilities need to be provided.



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The background of the entire page is a photograph of an open, old book with yellowed pages. A magnifying glass with a silver frame and a black handle is positioned over the left page. The word "INTERPERTATIONS" is written in a large, blue, serif font across the center of the image, partially overlapping the magnifying glass and the book pages.

INTERPERTATIONS

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INTERPRETATION

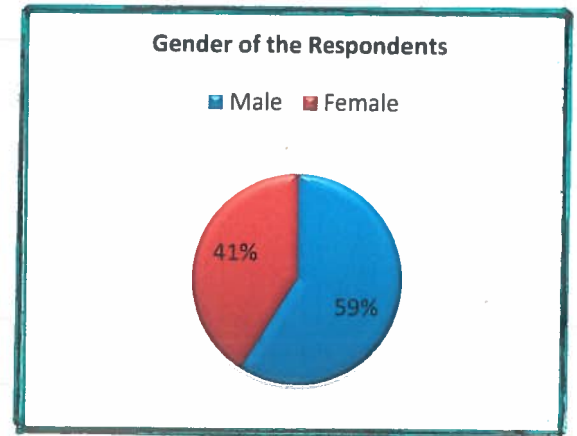
1. GENDER

The figure showing the gender diversification of the study area as we have surveyed 78 respondent out of the total respondent male respondents are 59% and female respondents are 41%.

Survey was conducted on random bases therefore the

gender diversification is

also on the basis of random selection of respondents figure showing the percentage of males and females of Bhivalapada village in Silvassa.



2. AGE STRUCTURE

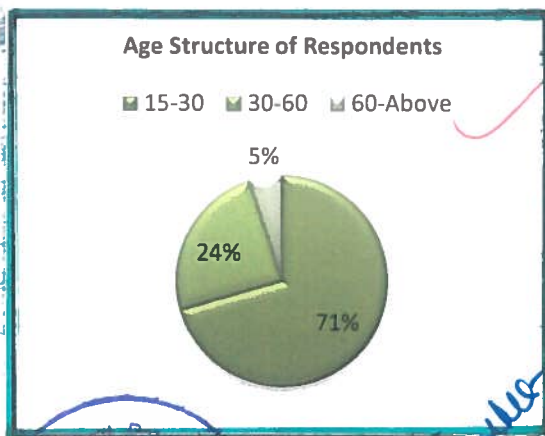
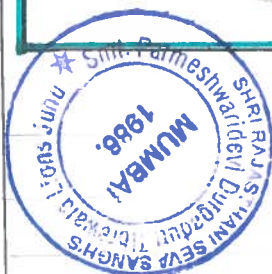


Fig. 2 showing the age structure of respondents of study area. Age structure is divided by in 3 age group which is 15-30, 30-60 and 60 above.

We have surveyed the respondents out of total number of the respondents 71% of them are in middle age group which is 30-60. 24% respondents are in 15-30 age group and only 5% respondents are in 60 above age group.



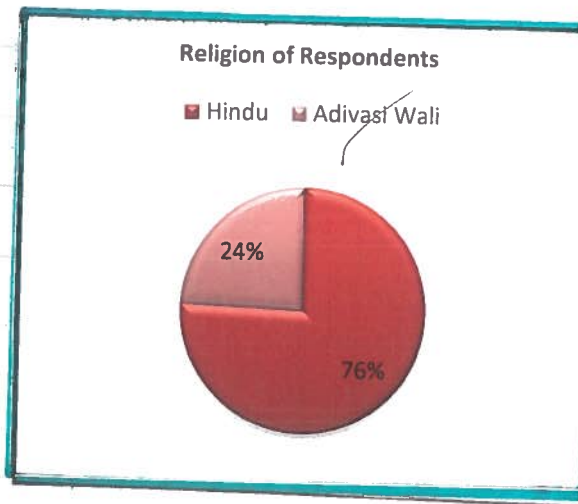
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According to the data shown in the figure 2 more than half of the respondents are in middle age group they are either working or studying in the Bhiwlapada village of Silvassa.

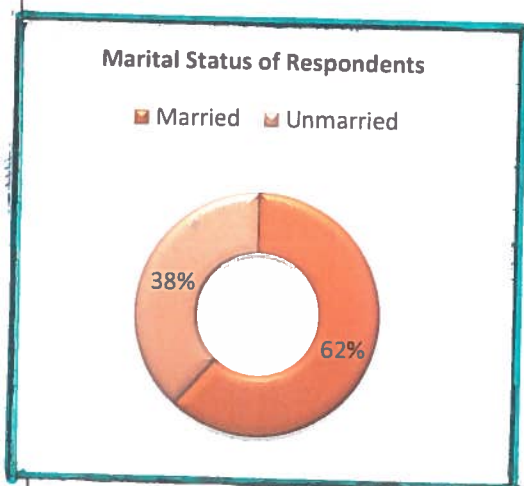
3. RELIGION

Figure 3 showing the religion of respondents of study area. As we have surveyed the respondents out of the total number of the respondents 76% respondents are hindu and 24% Adivasi. It is shown in figure 3 that more than half of the ~~represent~~ respondents are hindu in this village of Silvassa.



4. MARITAL STATUS

Figure 4 showing the marital status of the respondents of the study area. Out of the ~~total~~ respondents on the survey was conducted 38% were unmarried and 62% respondents are married. As it is shown in fig 4 more than half of the respondents are married in village of Silvassa.

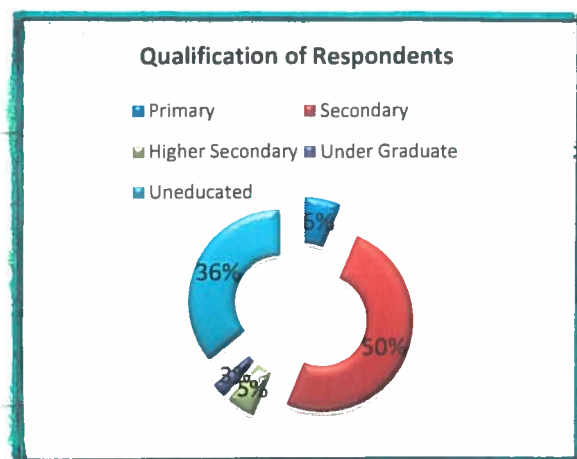


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5. EDUCATION

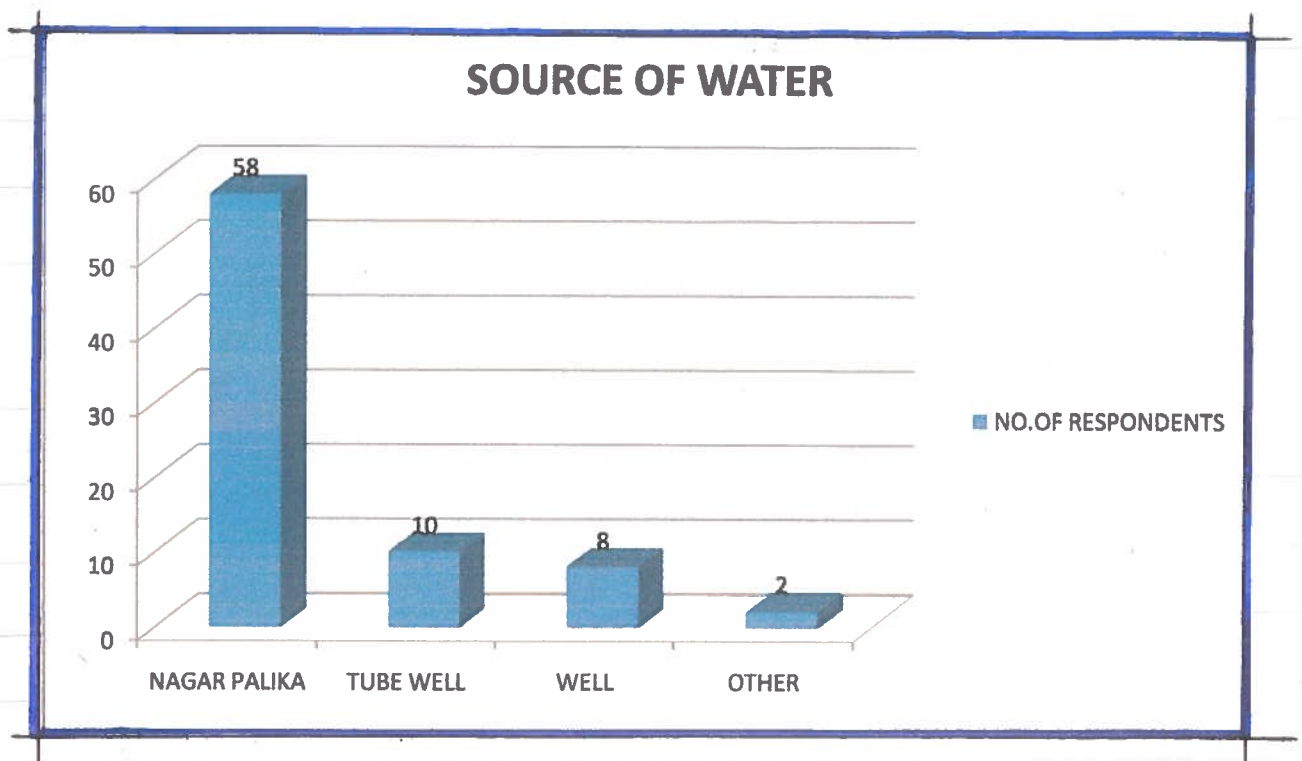
Figure 5 showing the educational qualification of the respondents of the study area. Out of the total respondent on the survey was conducted 50% were pass the secondary examination. 5% got higher secondary, 3% were under graduate and

6% percent were primary. It there is second large percentage which is 36% uneducated. Village had a primary school also. There is less percentage of higher secondary and UR due to poor connectivity to the city and lack of employment.



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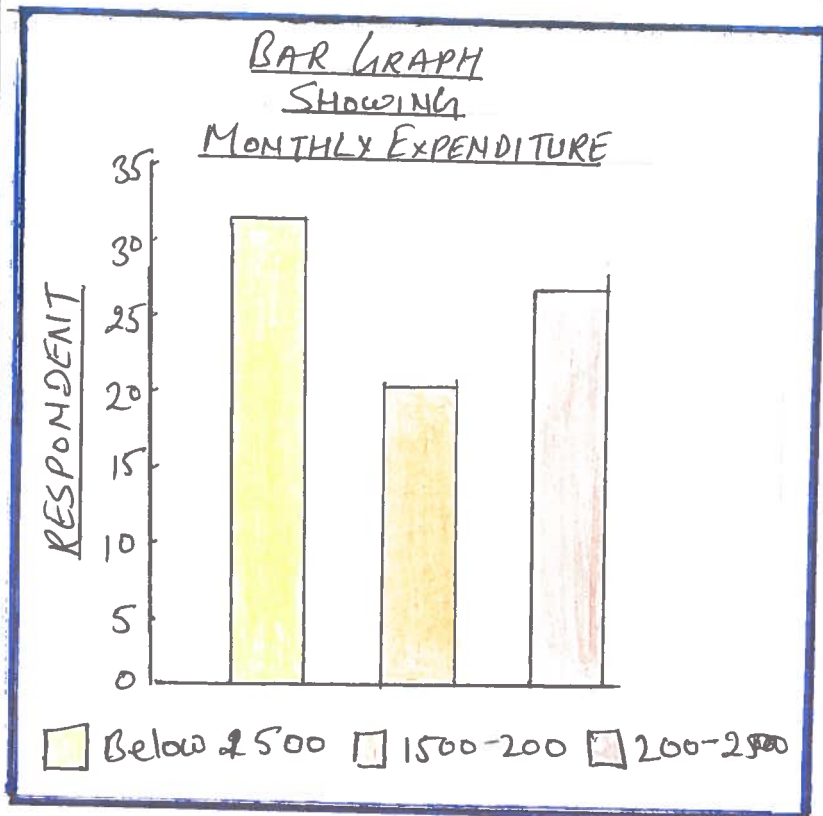
SOURCE OF WATER



Above figure showing the supply of water or source of drinking water to the respondent. We have surveyed 78 respondent, out of the total respondent 58 families taking the benefits of Nagar palika water supply. 10 respondent get the water from tubewell, 8 respondent getting the water from well and 2 are getting from other sources. The above According to above diagram Nagar Palika Provide the drinking water above 50%. Govt should take the steps for other houses also and provide them regular water for daily use.



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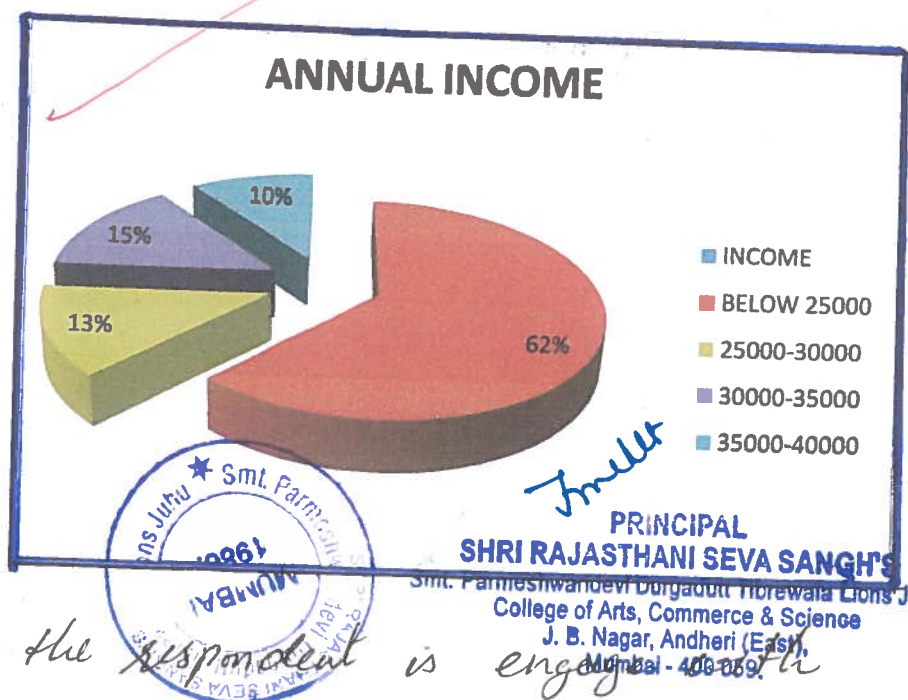
MONTHLY EXPENDITURE

We have surveyed a rural and small village Bhiwalapada in Silvassa (Dadra and Nagar Haveli). We find that there is very less expenditure as compared to other. Out of total

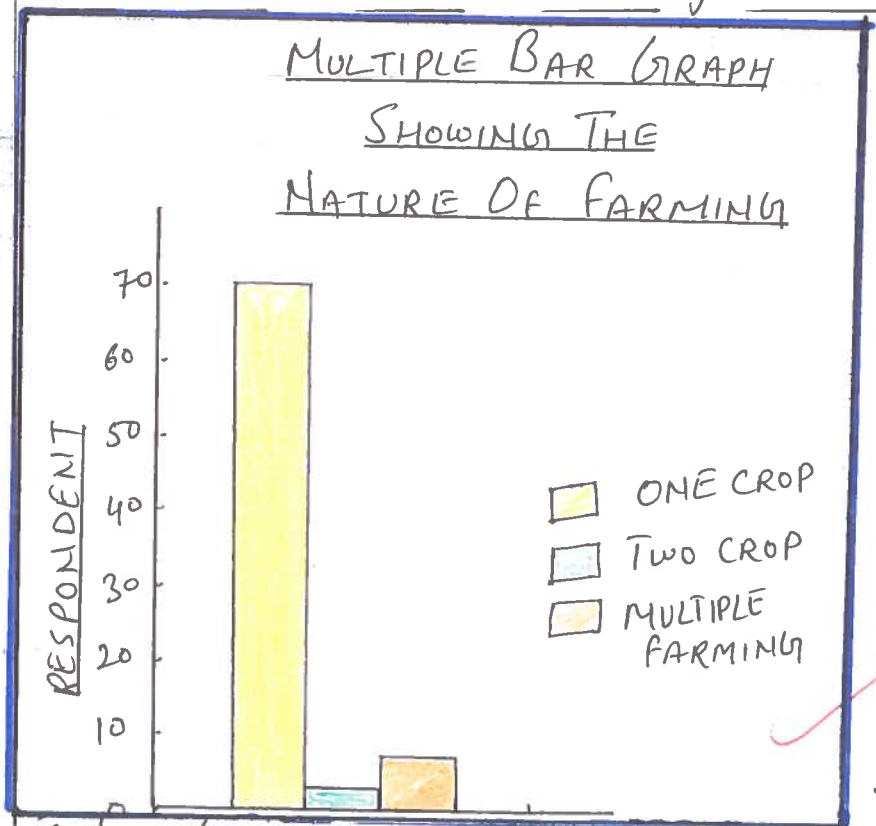
there is 41% people/respondent their monthly expenditure is below Rs. 1500, 28% respondent which expenditure is ranging b/w Rs 1500-2000 and 33% respondent having monthly expenditure range Rs. 2000-2500. Their daily lifestyle is very simple and having less income and less expenditure.

ANNUAL INCOME

The figure showing the annual income of the respondent. We have survey 78 respondent of a small village of Silvassa. In this village about all the respondent is engaged with



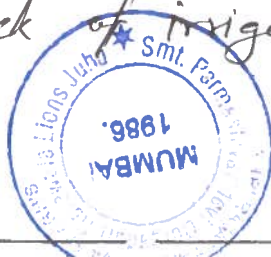
with agriculture. So they don't have any extra income from other sources. 62% respondent's annual income ranging between or having annual income below 25000 rupees. 13% respondent's annual income ranging between 25000-30000 rupees and 15% respondent's annual income is ranging b/w 30000 - 35000 rupees. Only 10% people having their annual income range 35000 to 40000 Indian rupees. Most of the respondent have 1 crop farming so their income is very less.



NATURE OF FARMING

We have surveyed a small village in Silvass. The main Occupation of the respondent is farming. Most of the respondent nearly 89% respondent have doing 1 crop farming it mean they

only depend on rain and Dhan is their main crop. 3% respondent doing 2 crop in one year. and 8% respondent doing multiple cropping or farming in season. Most of the people only do the seasonal farming due to lack of irrigation facilities and other problems.

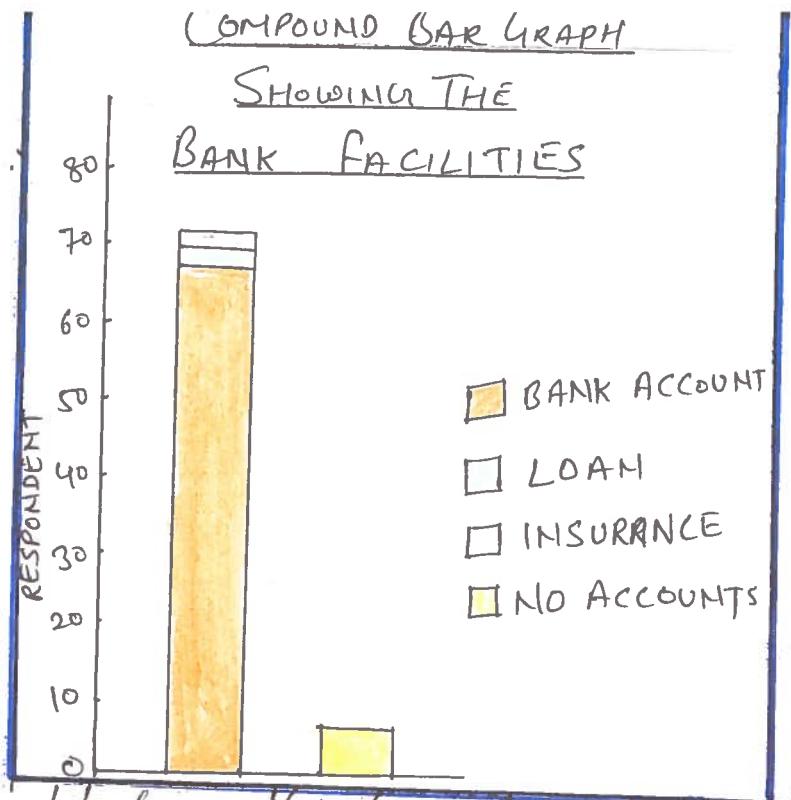


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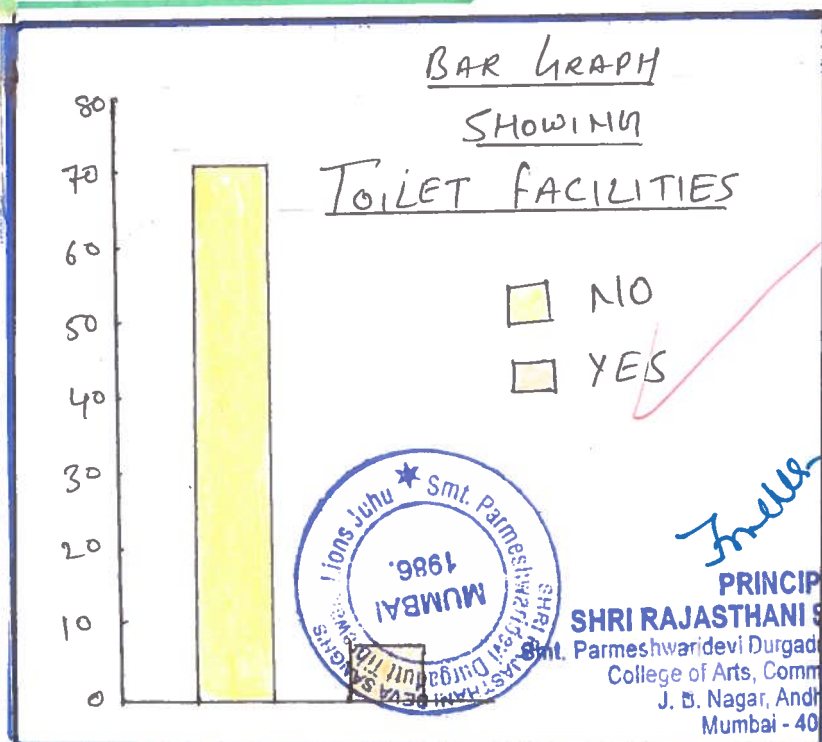
BANK ACCOUNT

This figure showing the bank account, Insurance and loan of the respondent. Nearly 93% people respondent having the bank account

in which 3% having / taking the loan from the bank and 3% having the insurance also only 7% respondent don't have any bank account. It shows that they do not get any aid from the Govt.



TOILET FACILITIES

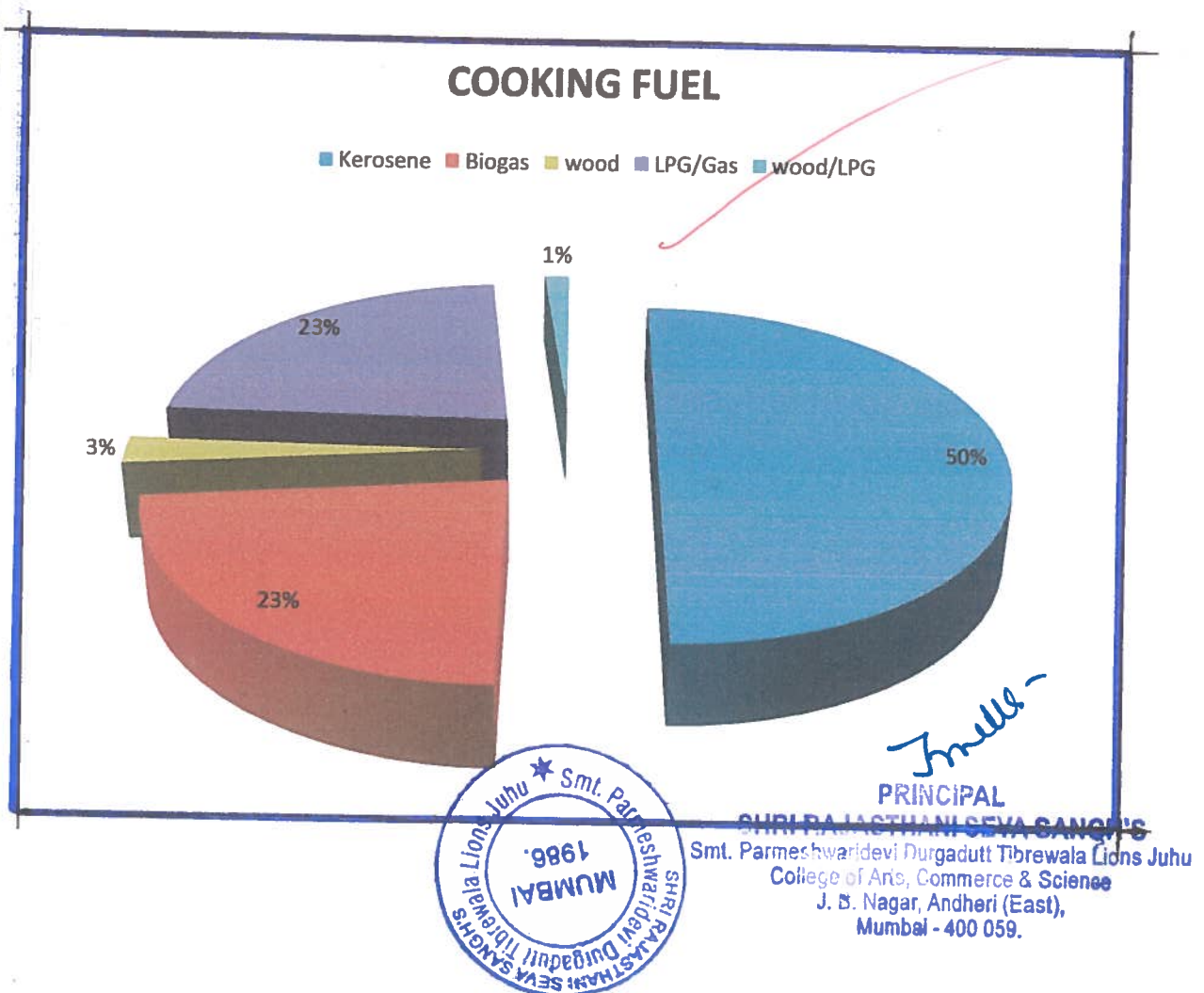


We have surveyed a small and poor village. This figure showing the toilet facilities of the respondent. In this village 91% responds do not have toilet facility only 9% have the toilet facility in their

house. In present where Swachh Bharat Abhiyan giving the toilet facility in Country whereas this village not get any help in this field.

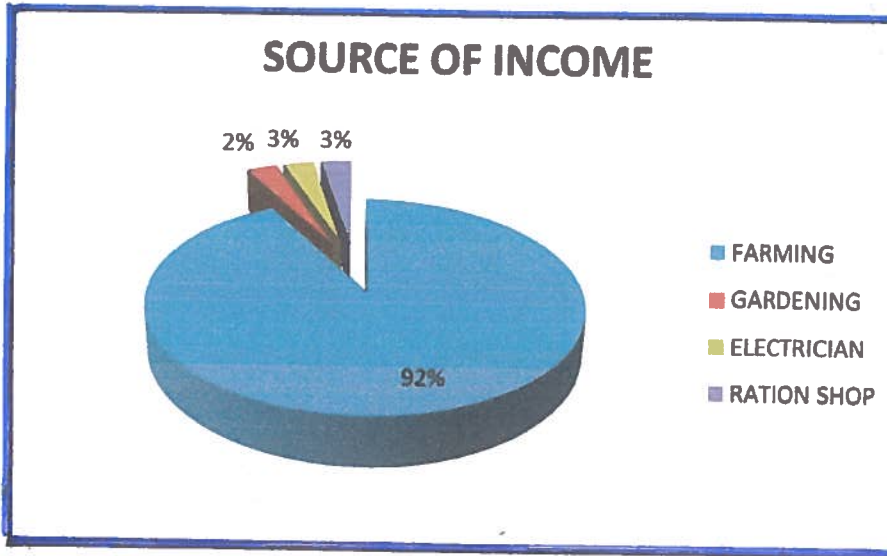
FUEL USED FOR COOKING

The following figure showing the fuel used for cooking fuel. ~~figure~~ We have surveyed 78 respondent of the study area we find that there is much used fuel is kerosene. Nearly 50% family use kerosene for cooking food. 2nd large fuel use for cooking is biogas which is 23% and 3rd is LPG/Gas. Nearly 3% family use wood and 1% family use both wood and LPG. Due to lack of knowledge and poor connection to the city there is highly used kerosene for cooking.



SOURCE OF INCOME

We have surveyed 78 respondent in a village of Silvassa. This figure showing the main source of income and we can say that there is most of the respondents



is engaged with the farming and farming activity or primary activity. 92% people is directly engage with farming in surveyed area and their main source of income is farming. Other 8% people or respondents also engaged with farming but their main source of income from gardening, Electrician (service), shop etc. 3% respondent work on Ration shop, and their main source of income is shop. Bhiwalepad (study area) is a rural area and in rural area most of the people engaged with primary activity.



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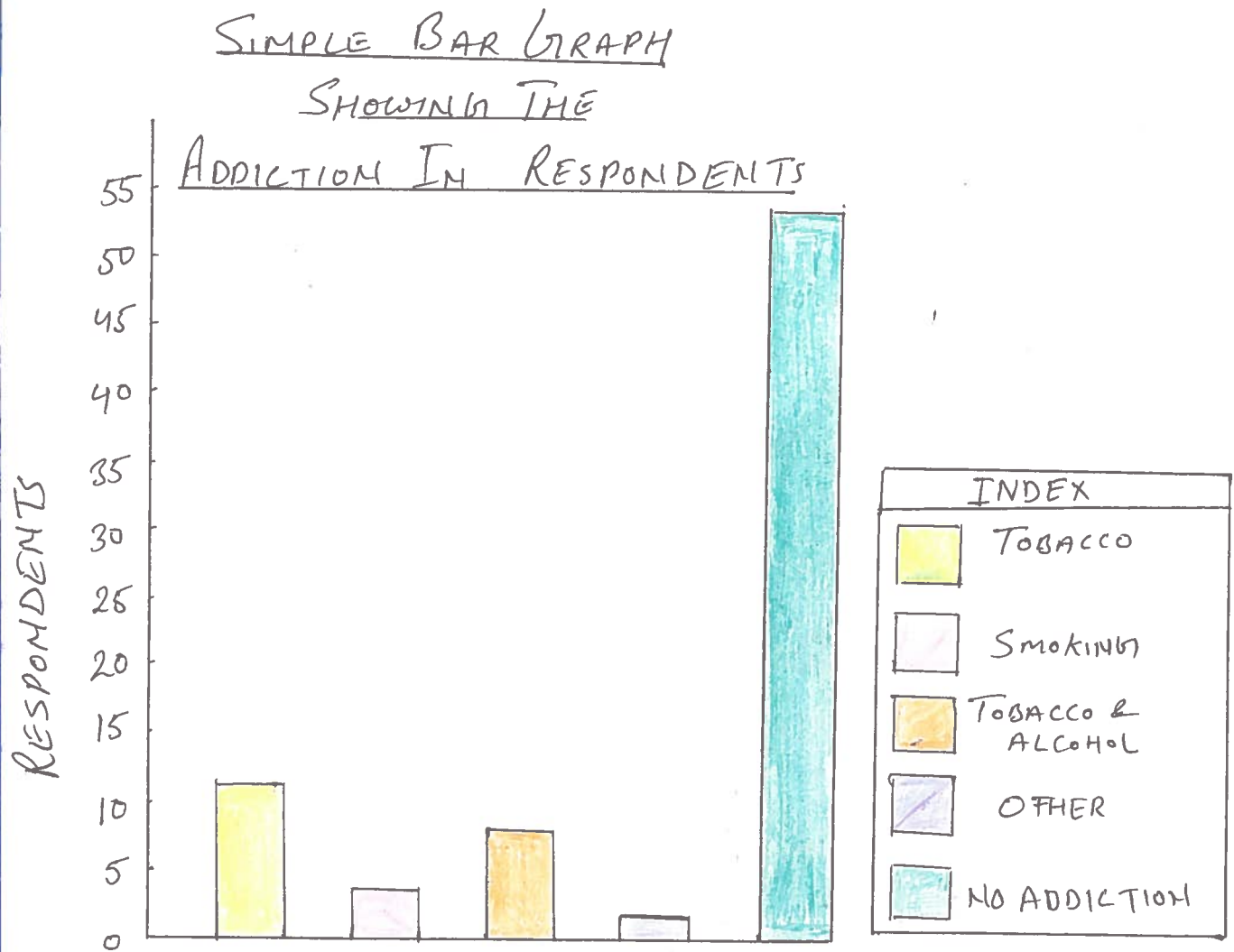
HEALTH OF THE RESPONDENTS

This figure shows the health of the respondents we surveyed 78 people among which 13% of the respondent were such who has previously suffered from some kind of the disease whereas the remaining 87 of the respondents had never been in contact with any kind of disease and were healthy.

BAR GRAPH
SHOWING THE
HEALTH OF RESPONDENTS



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ADDICTION

This figure shows the addiction that are respondents suffer from. 69% of the respondents were not addicted to any such drugs. 14% respondent were addicted to tobacco. 10% respondents were such who were a addicted tobacco as well as Alcohol. 5% respondents were addicted to smoking and the remaining 2% of the respondent had other unhealthy addictions.



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CONCLUSION

Socio-economic survey was conducted at Bhivwala pada, Silvassa as a part of our syllabus. During the survey it has been observed that the villages having some socio-economical drawbacks. The respondents were also very reluctant during the survey. Therefore, it was a hurdle to collect the primary data. Hence we faced some limitations during the survey time. Most of the respondents were answering in their local languages (Adivasi, Gujarati) and it was difficult for us to communicate. The main highlighted problem was absence of some basic facilities like, toilet facilities, water facilities, primary health center, road connectivity, etc. Therefore, some recommendations are provided for the betterment of their lifestyle.



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RECOMMENDATION

- Need to provide eco-friendly cooking facilities
- Cheap and easy transportation.
- Proper water facilities
- Availability of toilet and proper sanitation.
- More teachers should be appointed and classes should also be increased.
- Need to provide resources and equipments to carry out agricultural activities.

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11/8/20

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- <http://pdadnh.nic.in/Reports/06%20Chap%202%20Physical%20Profile%20of%20DNH.pdf>



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SOCIO ECONOMIC SURVEY

Bhivlapada

Q.1

PERSONAL INFORMATION				
Sr. No.	Respondent Identity	Respondent 1	Respondent 2	Respondent 3
1	Name	Lavin Dhakar	Ramesh (Giri)	Sanjay
2	Age	31	25	29
3	Sex	Female	Female	Male
4	Religion	Adivasi Wadi	Adivasi Wadi	Adivasi
5	Marital Status	Married	Married	Married
6	Birth Place	Sayli	Sayli	Bhivlapada
7	Ed. Qualification	No	No	9th

Q.2

Respondent	Total no. of Family Members	M	F	Working Members
1	6	3	3	1
2	7	2	5	2
3	8	2	6	2

Q.3 Main Source of water

Respondent	Nagar Palika	Ground Water	Lake	Other
1	✓			
2	✓			
3	✓			



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(i) Distance of water source from home –

R1- Bhujavelpada 50 M R2- Bhujavelpada 50 M R3- 50 meters

Q.4 What type of cooking fuel do you use:-

Respondent	LPG	Kerosene	Electricity	Other
1				Wood
2				Wood
3	✓			Wood

Q.4 Do you use your ration card?

R 1 ✓ Yes/No

R 3 ✓ Yes/No

R 2 ✓ Yes/No

Q.5 Daily Diet

Respondent	Breakfast	Lunch	Dinner
1	dal rice	X	dal rice
2	dal rice ^{roti}	X	dal rice ^{roti}
3	dal roti	dal rice	dal roti

Q.6 Do you have your own House?

R1 ✓ YES/NO

R3 ✓ YES/NO

R2 ✓ YES/NO

Q.7 Material used in your House

Respondent	Wood	Mud	Cement	Other
1	✓	✓	✓	
2	✓	X	✓	
3	✓	✓	✓	

Q.8 Did you suffer from any disease in past few years. If yes, how many years?

R1 None

R2 None

R3 None



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Q.9 Do you eat tobacco and drink alcohol?

R1 *No*

R2 *No*

R3 *Tabacco*

Q.10 Nature of farming

Respondent	One crop	Two crop	Multiple farming
1	✓		
2	✓		
3	✓		

Q.11 Main source of Income:

R1- *Farming*

R2- *Farming*

R3- *Farming and work (daily wages)*

Q.12 Income per Annum

Respondent	Below 25,000	25000-50000	50000-75000	Above 75000	Savings
1	-	-	-	-	3000
2	-	-	-	-	2000
3	-	-	50000	-	5000

Q.13 Monthly Expenditure

Respondent	Electricity	Rent	Education	Food	Other
1	400		✓	-	
2	600			-	
3	800			-	



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Q.14 Do you plan

Respondent	Holiday	Movie	Drama	Other
1	☒	☒	☒	
2	☒	☒	☒	
3	☒	☒	☒	

Q.15 Do you have toilet facility in your house?

R1 yes/no ☒

R2 yes/no ☒

R3 yes/no ☒

Q.16 Household facilities

Respondent	T.V	Electricity	Refrigerator	Computer	Mobile	Washing machine	vehicle
1	☒	☒	☒	☒	☒	☒	☒
2	☒	☒	☒	☒	☒	☒	☒
3	☒	☒	☒	☒	☒	☒	☒

Q.17 What is your daily means of transport

Respondent	Two Wheeler	Car	Bus	Train	Other
1					Auto
2					Auto
3	☒				



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Q.18 Do you have

Respondent	Bank Account	Loan	Insurance
1	✓	x	x
2	✓	x	x
3	✓ (closed)	x	x

Q.19 What are the day to day problem you face?

R1 None

R2 Toilet facility / cooking facilities

R3 Water problem

Q.20 Do you want any type of Govt. Aid what type of aid

R1 Need facilities (Gas, Toilet)

R2 (Toilet, cooking)

R3 Water / House

Q.21 Main crop -

Respondent	Rabi	Kharif	Others
1			Dhan
2			Dhan
3			Dhan



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3:29 PM
5 Feb 2020 Respondent Lavin (Left) at Bhiwalapada.



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3:48 PM
5 Feb. 2020 Respondent (Lalita) (Left) at Bhiwalapada.



3:53 PM
5 Feb. 2020 Respondent Sanjay (right)
at Bhiwalapada.



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STD. 1 2 3

OFFICE

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SOCIO ECONOMIC SURVEY

BIWALA PADA,

SILVASSA (DADRA & NAGAR HAVELI)

NAME: PRIYANKA PRAKASH THAKUR

CLASS: T.Y.B.A.

ROLL NO: 323

SEMESTER-VI

SUBJECT: TOOLS AND TECHNIQUE IN
GEOGRAPHY FOR

SPATIAL ANALYSIS - II (PRATICAL)

ACADEMIC YEAR 2019-2020 (CEEGS)

UNIVERSITY OF MUMBAI

1 सुभाष
2 लाली
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SHRI RAJASTHANI SEVA SANGH'S

Smt. Parmeshwari Devi Durgadutt Tibrewala Lions Ju

College of Arts, Commerce & Science

J. B. Nagar, Andheri (East),

Mumbai - 400 059.

CERTIFICATE

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LIONS JUHU COLLEGE OF ARTS,
COMMERCE AND SCIENCE.
J. B. NAGAR, ANDHERI (E), MUMBAI-400059.

This is to certify that

Mr./Miss Priyanka Prakash Thakur of

T.Y.B.A

Roll No. 325 Examination Seat no.

Has satisfactorily completed Experiment in the subject of
Geography Paper VI (Semester VI)

Prescribed by the Syllabus of University of Mumbai.



College Seal

Head of the Department Sign. Datta 12/1/2020

External Examiner's Signature

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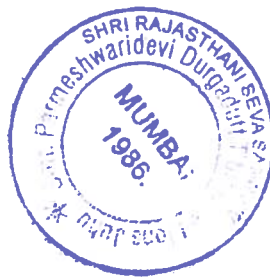
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ACKNOWLEDGEMENT

I would like to thank the faculty of SMT.PARMESHWARIDEVI DURGADUTT TIBREWALA LIONS JUHU COLLEGE OF ARTS, COMMERCE AND SCIENCE affiliated to the University of Mumbai for organizing the socio-economic survey on 5th & 6th Feb, 2020 as a part of syllabus of Paper-VI TOOLS AND TECHNIQUE IN GEOGRAPHY FOR SPATIAL ANALYSIS-II(Practical).

A special thanks to Ms. Jayeeta Dutta (HOD, Geography) for her constant encouragement and guidance from the beginning to the end with never ending patience. Her constant support and efforts helped me to complete my project on time.

Special thanks to our Principal Dr.Trishla Mehta and President Dr.Vinod Tibrewala for their co-operation during the time of completion of the project.



Trishla Mehta
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VISIT TO SILVASSA



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COMMERCE AND SCIENCE
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TYIB/A STUDENTS

ACADEMIC YEAR - 2019-20

5-6 February 2020



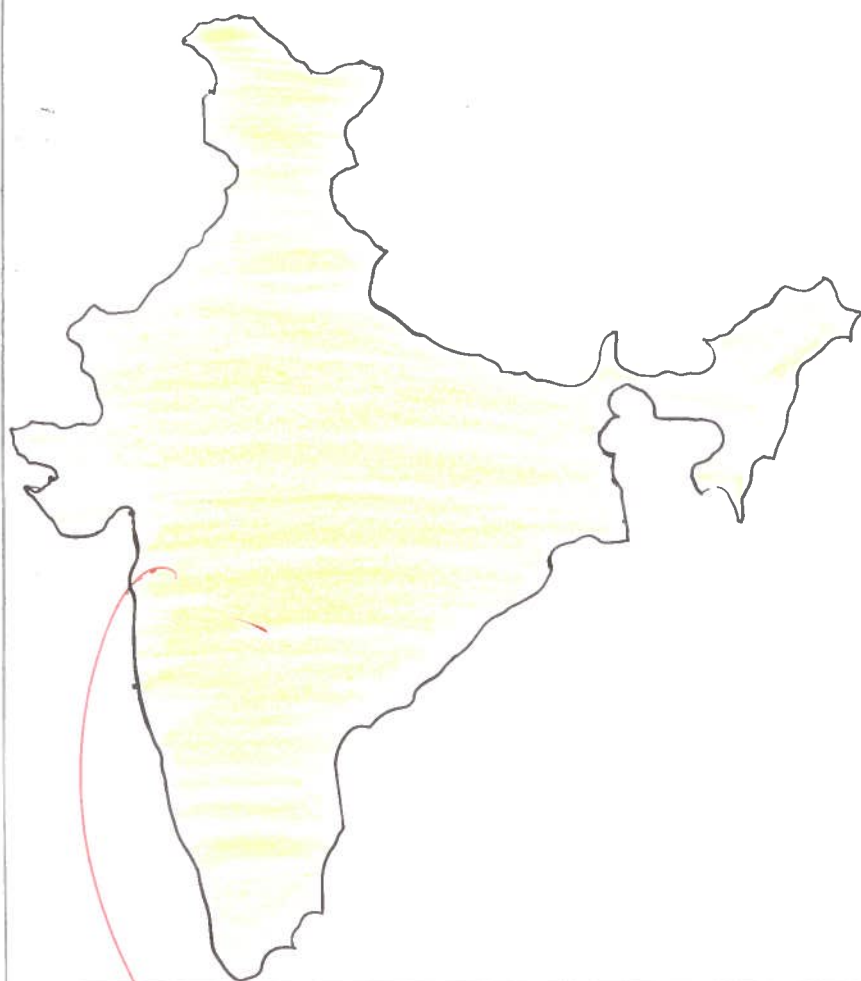
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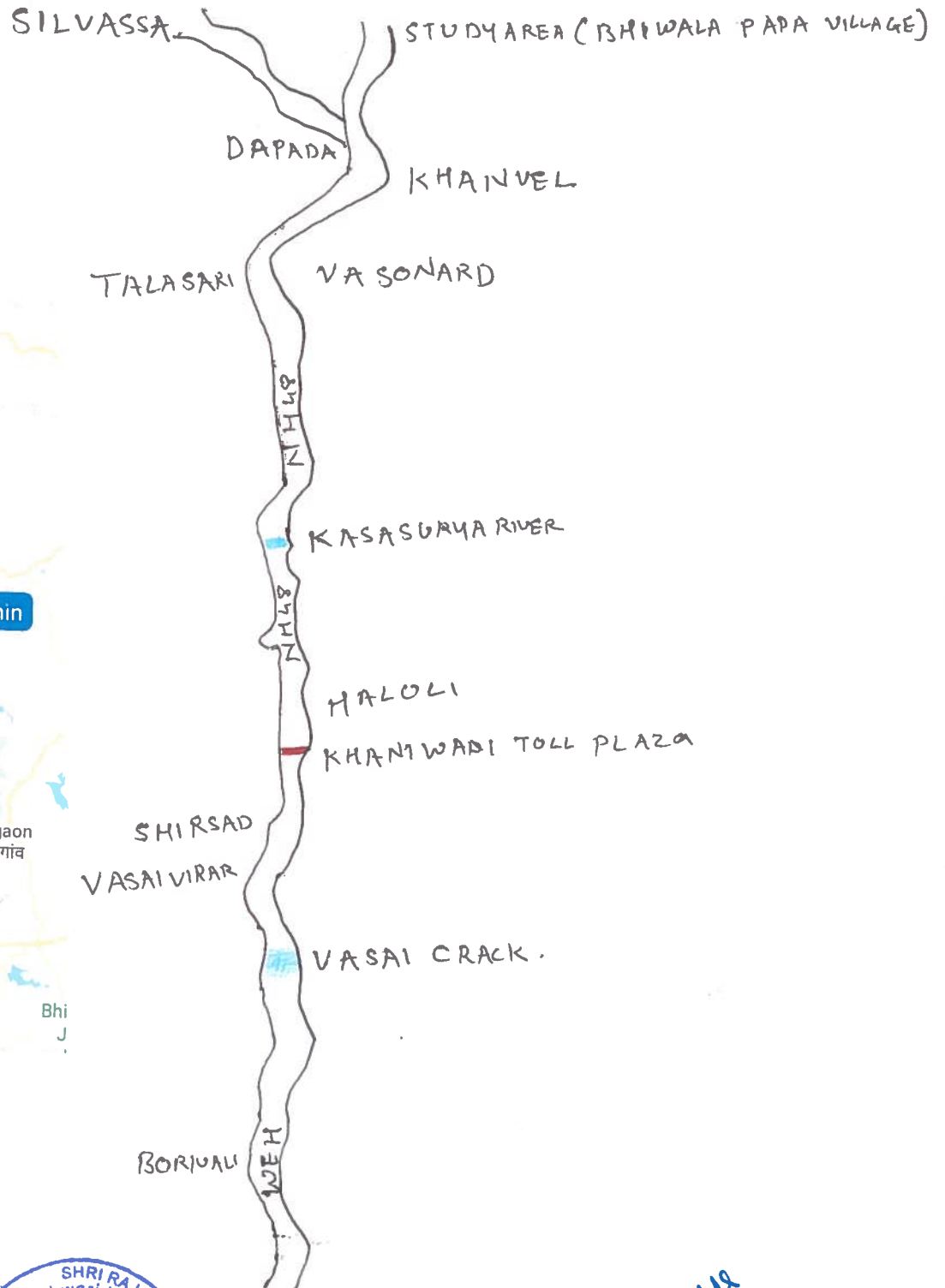
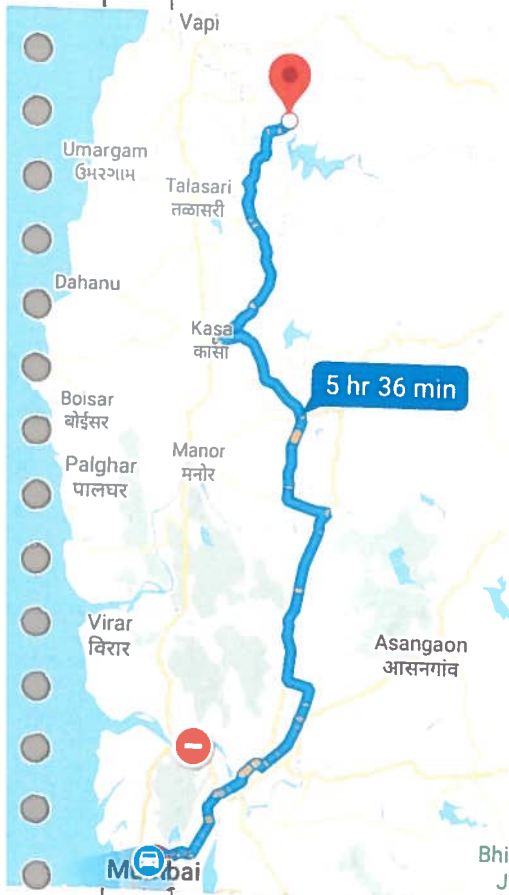
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LOCATION MAP



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ROUTE MAP



START POINT.
(SPDT College Gate)

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GLIMPSES OF SILVASSA

COORDINATES - 20.27°N , 73.02°E

UNION TERRITORY - Dadra and Nagar
Haveli and Daman
and Diu

POPULATION (2011) - 98,265

LANGUAGES - English, Hindi,
Dhodia.

TELEPHONE CODE



0260
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जय भारत प्रदेश । एवं नगर हवेली प्रशासन आपका हार्दिक स्वागत करता है • U.T. ADMINISTRATION OF DADRA AND NAGAR HAVELI WELCOMES YOU.

HISTORY

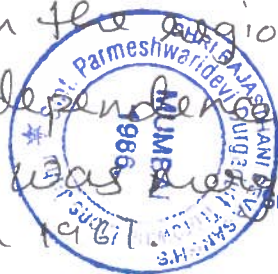
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SILVASSA

Until the end of the 19th century, Silvassa was only a small village. The growing importance of Silvassa started in 1885. When the Portuguese Administration decided to transfer the seat of Nagar Haveli to the city, which until then had been in Darara. By decree of 11 February 1885, Silvassa was created as a town with the name prevailed and the town continued to be mainly known as Silvassa and referred to as such in official documents.

The profound history of Dadra and Nagar Haveli begins with the defeat of the Kohli chieftains of the region by the invading Rajput Kings. It was the Marathas that retrieved the region from the rules of the Rajputs in the mid 18th Century. In 1779, the Marathas Peshwa formed the alliance with the Portuguese allowing them to collect revenue from the 79 villages of Dadra and Nagar Haveli. The rule of Portuguese in the region continued till the region gained independence on 2nd August 1954. The region in was merged with India of India in the year 1961.



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After visiting deer park we went for lion safari they also have a government bus to explore the whole park. We saw a lioness a peacock and a anaconda snake there.

After that we returned to our resort for lunch we started our journey back home at 3:00pm and we reached our destination at 8:00pm.



Entrance Gate of Dadra and Nagar Haveli and Daman and Diu -



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BACKGROUND OF SILVASSA

Silvassa also spelled as Selwas (Selavas) amongst Gujarati people, is the headquarters of the Dadra and Nagar Haveli, district of the Union territory of Dadra and Nagar Haveli and Daman and Diu, India. The city has many factories and industries providing significant government revenue. Which allows the city to maintain a low level of taxation. The city was chosen as one of the hundred, Indian cities in Narendra Modis Flag ship smart Cities Missions.



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GEOGRAPHICAL FEATURES

The river Damanganga flows through the union territory and opens into the Arabian Sea Radea and Nagar Haveli; is bordered by the Indian states of Gujarat and Maharashtra. Ranges of the Sahyadri Mountains of the Western Ghats lie in the region. The chief occupation of the people of the union territory is agriculture. More than 40% of the union territory is a area comprises of forest region that are rich in flora and fauna.

Western ghats comprises 72 small villages sandwiched between the state of Gujarat and Maharashtra 3% of the area is under forest cover, and the rich bio-diversity makes it an ideal habitat for a variety of birds and animals. This makes it a perfect spot for eco-tourism.



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SOILS

The soils in Silvassa are black cotton soils, within this broad categorisation. There are significant variations depending upon topography, the major type of soils are there in Silvassa.

1. Latasite Soil.

These soils are well stabilised and have good porosity leading to good permeability and have low pit.

2. Shallow Black Cotton Soil.

Medium textured soils with gravels and pebbles and hard rock is not early below the soil restricting free movement of water and air through the soils are permeable enough but have low moisture holding capacity and thus for specific moisture management for sustainable land use.

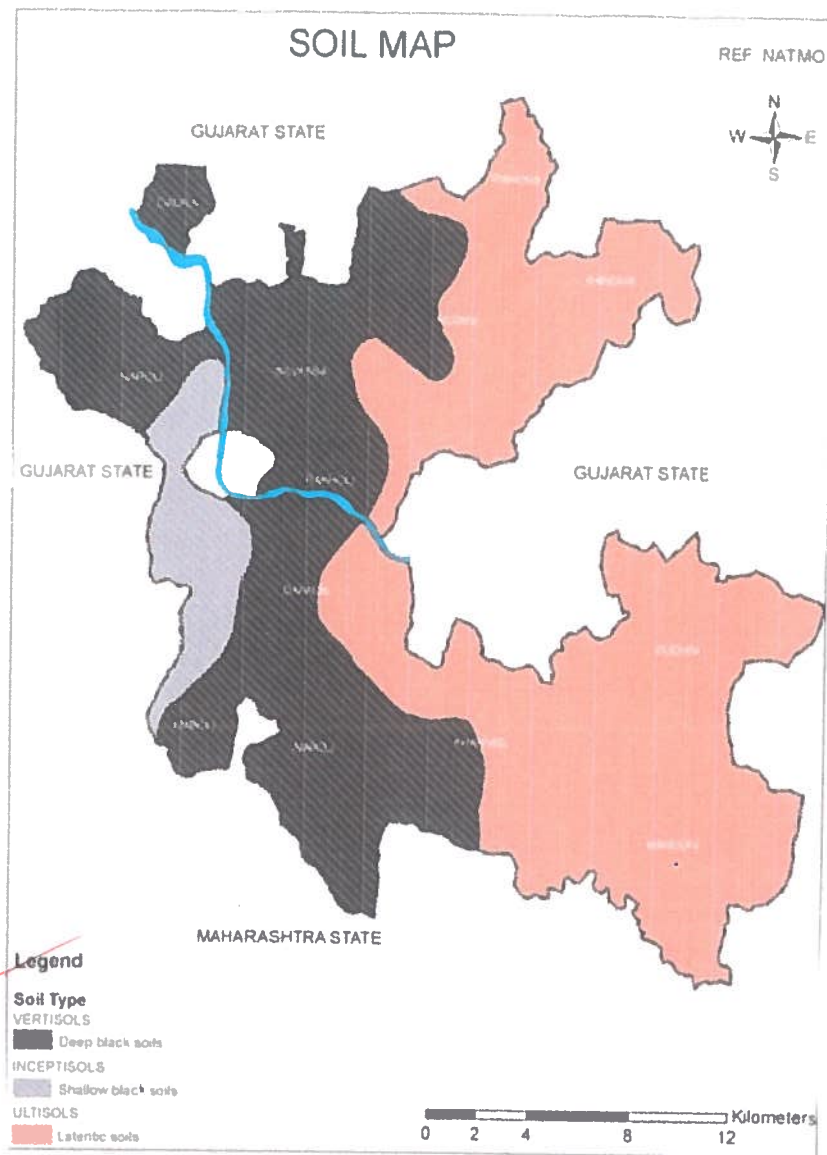
3. Deep Black Soil.

Very deep soils having very high fertility and are capable of supporting variable number of crops.

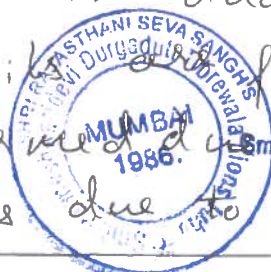


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Soil



The map shows the distribution of soil in Dadra and Nagar Haveli. Three types of soils are found here they are the Laterite soil, Shallow black soil and deep black soils. In dadra and Nagar Haveli, Laterite soil are found in large quantities are least found. In Silvassa the soil type that is most found is the black soils. In dadra and Nagar Haveli. Laterite soils are found the most, This soils are formed due to high leaching happens due to high rainfall.



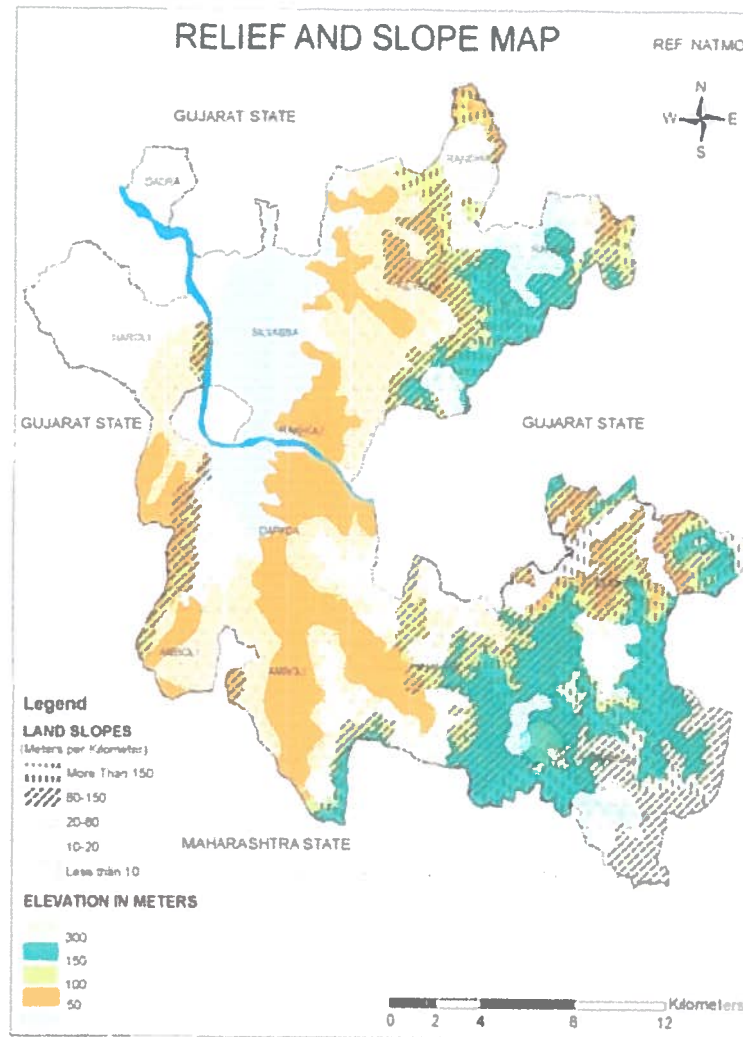
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Rains and high temperature. In DNH shallow and black soils are ~~found~~ also found these soil are found in hilly regions, this is ~~to~~ soil is best suited for cotton cultivation. These black soils are formed by the ~~the~~ weathering of rocks and cooling of lava after a volcanic eruption. Silvassa is covered with such soils.

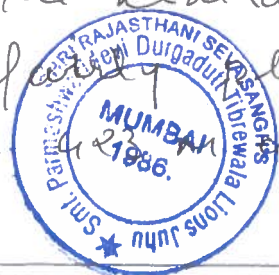


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RELIEF AND SLOPE MAP



The map shows the slope and relief features of Dadra and Nagar Haveli. A significant portion of the land area is of hilly terrain nature with predominantly under forest cover and agricultural usage. The topography is undulating and rolling. The territory has a hilly terrain, in the north-east and south-eastern part which is surrounded by the ranges of Sahyadri Mountains (Western Ghats). The central and remaining part of the region is fairly plain. The highest point in the region is level.



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CLIMATE

The Climate is tropical in Silvassa. The summers here have a good deal of rainfall. While the winters have very little.

This location is classified as Aw by Koppen and Geiger. In Silvassa, the average annual temperature is $26.7^{\circ}\text{C}/80^{\circ}\text{F}$. In a year, the rainfall is $2169\text{ mm}/85.4\text{ inch}$.

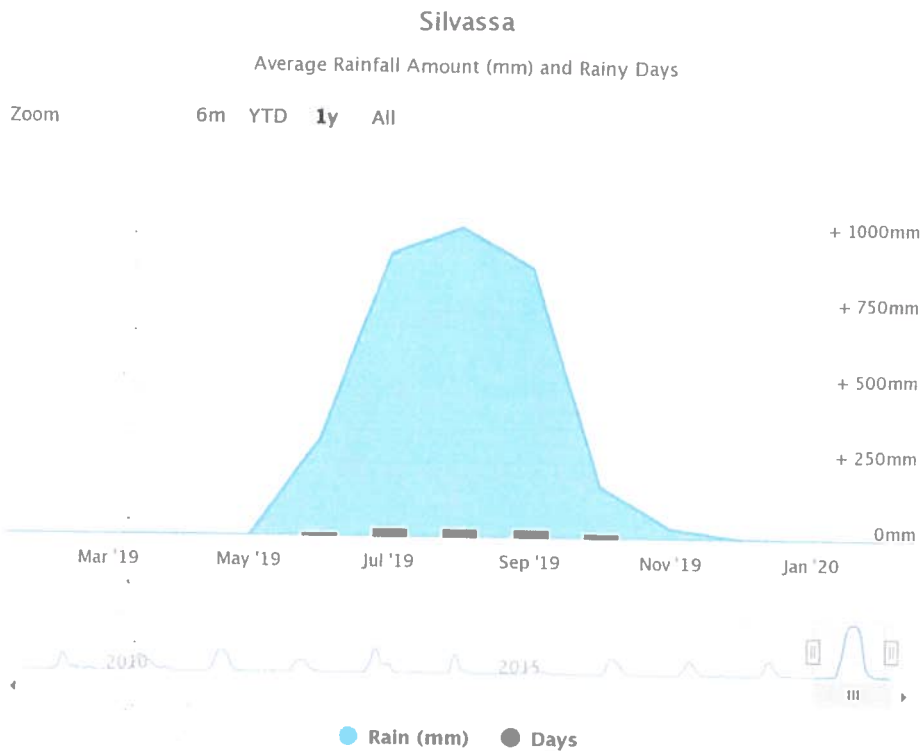
The driest Month is January. There is $0\text{ mm}/00\text{ inch}$ of precipitation in January. Most of the precipitation have falls. In July, averaging $878\text{ mm}/34.6\text{ inch}$.

With an average of $30.6^{\circ}\text{C}/87.1^{\circ}\text{F}$, May is the warmest Month. January is the coldest month, with temperature averaging $22.4^{\circ}\text{C}/72.3^{\circ}\text{F}$.

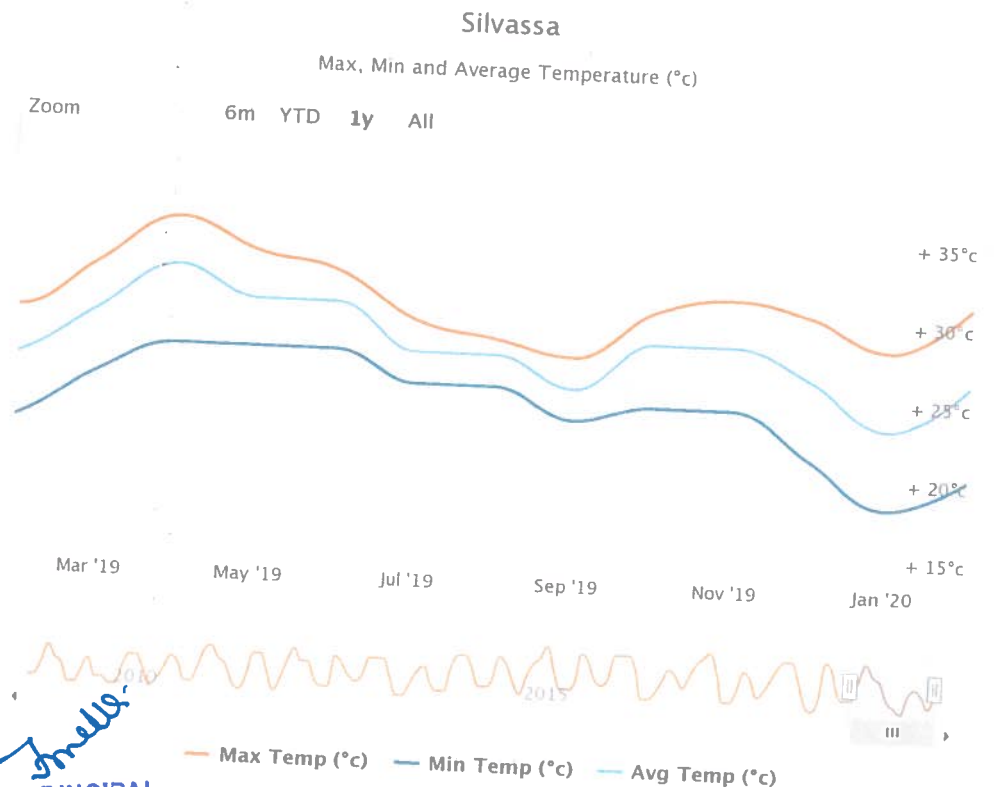
The Precipitation varies $878\text{ mm}/35\text{ inch}$ between the driest Month and the wettest Month. Through - out the year temperatures vary by $8.2^{\circ}\text{C}/46.8^{\circ}\text{F}$.



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Rainfall Graph.



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Temperature Graph.

SOURCE GOOGLE

VEGETATION

The vegetation in Dadra and Nagar Haveli comprise of the rare species of Sada, Mahua, Sisam, Khair and Teak trees. A part of the thick forest is navigable where 58 tribal villages of the union territory reside. The village gather their food and fodder from the forest.

The forest of Dadar and Nagar Haveli are rich in economic resources that are used in the small cottage industries that have developed in the region 53% of the area is under forest cover and the rich bio-diversity makes it an ideal habitat for a variety of birds and animals.

This makes it a perfect spot for eco-tourism. If you are a wildlife enthusiast, Silvassa is an incredible eco-tourism spot. Tailor constitute over 62% of the Total Population. A perfect example of both can be seen in Capital City of Silvassa.



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NATURAL RESOURCES

Forest areas occupy 203.21 sq km about 41.4% of the total area of Dadra and Nagar Haveli; and 92 sq km of the forest is declared as Wild-Life Sanctuary area. The area is dense mostly in northern-eastern, eastern and south eastern part of the region with a tropical moist deciduous type and form an important economic source. The important species of trees that are found are Teak, Sadad, Khair, Mahua, Sisam etc. which constitutes main wealth of territory.

The forest also serves as habitats for several species of fauna and flora like Panthers, Bhelkar, Hyena, Wild pig, Peacock, Kingfisher, Wild owl, Tital, Tailor birds. The successful introduction of Chital, Sambar, Milgai and few other behaviours in a small areas has encouraged the department of forests to extend it to other natural habitats.



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TREES



SANDRA TREE .

A tree distantly related to Teak trees and have the longest flowering period.

A large tree that grows rapidly when young to a mature height of 12 - 20 m.



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KHAIR TREE

A thorny tree which grows upto 15 m (50 ft) in height. The plant is called "Kachhu" in Malay. The tree seeds are good sources of proteins. Kattha an extract of the hardwood is used as an ingredient to give red colour and typical flavour to Paan.



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TEAK TREE

A Tropical hardwood tree species placed in the flowering plant family lamiales. Teak is a large deciduous tree that occurs in mixed hardwood forests like silvassa.



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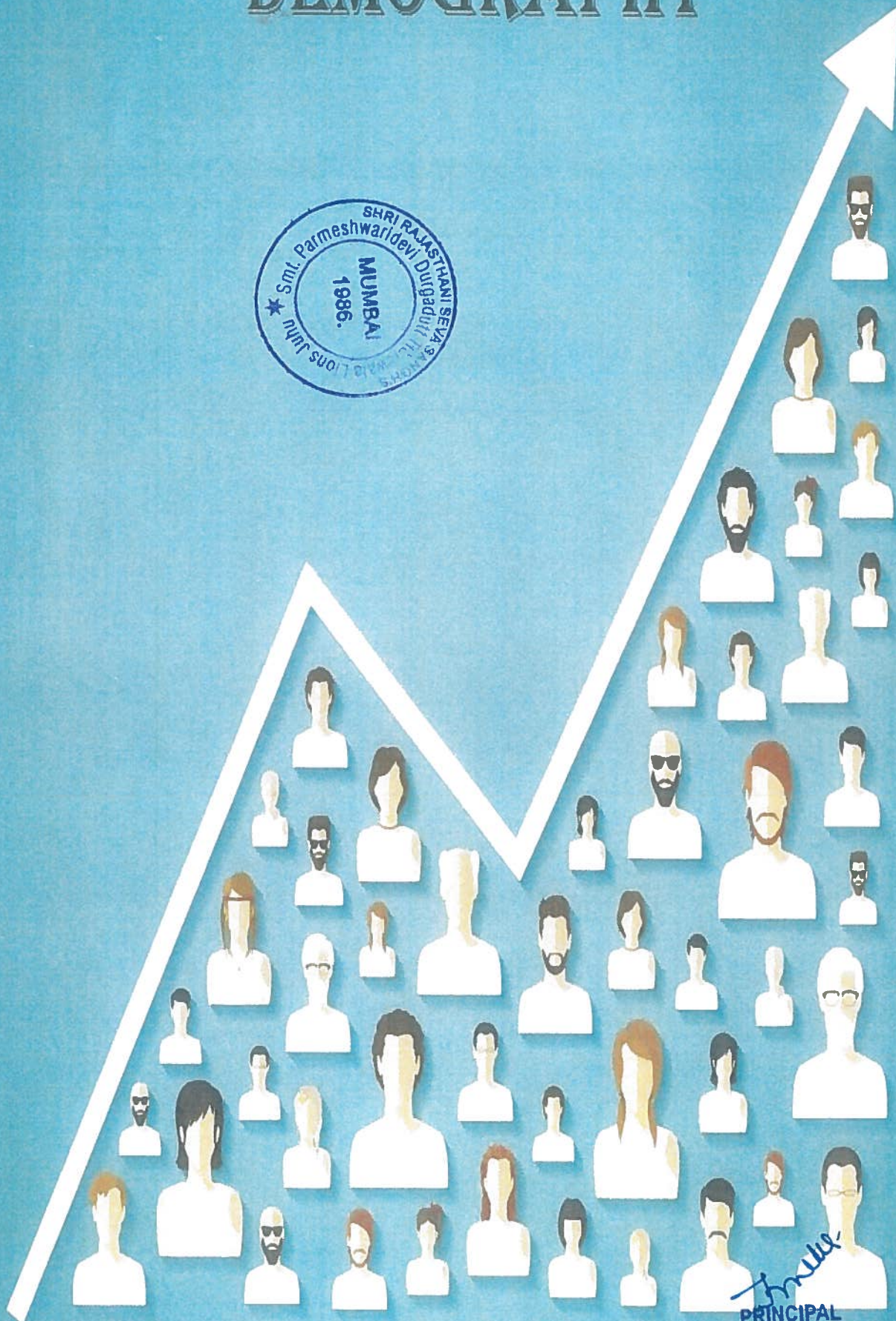
SISAM TREE .

Known as North Indian rosewood, is a fast growing tree native to Indian sub continent and Southern Iran. A large Crooked tree with long leathery leaves and which or pink flowers sheesham is the best known economic timbers species of the rose wood genes sold internationally -



For Mr.
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DEMOGRAPHY



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DEMOGRAPHY

Silvassa is a municipal city in district of Dadra and Nagar Haveli. The Silvassa city or Municipal Council has population of 98,265 of which 55,982 are males. While 42,283 are females as per report released by Census India 2011.

In Silvassa Municipal Council, female sex ratio is of 755 against state average of 744. Literacy rate of Silvassa city is 91.01% higher than state average of 76.24%. In Silvassa Male Literacy is around 94.84%. While female literacy rate is 85.83%.

SILVASSA

Population	-	98,265.
Hindu	-	88.22%.
Muslim	-	8.09%.
Christen	-	1.96%.
Sikh	-	0.14%.
Buddhist	-	0.45%.
Jain	-	0.96%.
Others	-	0.18%.



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LANGUAGES

Gujarati, Marathi and Hindi are the commonly spoken language. Wadi is the language spoken by the tribal population. It is a dialect of Konkani, just as Agri which is also spoken. A former portuguese enclave, Silvassa has a significant Roman Catholic population.



Intel-
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ECONOMY

Dadara and Nagar Haveli's gross state domestic product for 2004 was estimated at \$ 218 million in current prices. Its Nominal GDP increased to \$ 360 million in the year 2009 with a per capita GDP of \$ 1,050. The economy of Dadara and Nagar Haveli relies on five major activities they are agricultural, industries, forestry, animal husbandary and tourism.



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PHYSIOGRAPHY

The terrain is undulating and hilly, reaching elevations of 1,000 feet (300 metres) in the north east and east near the western ghats. Lowland areas are limited to the central plains, which are crossed by the Damodar Ganga river and its tributaries.



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CONNECTIVITY

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PRINCIPAL

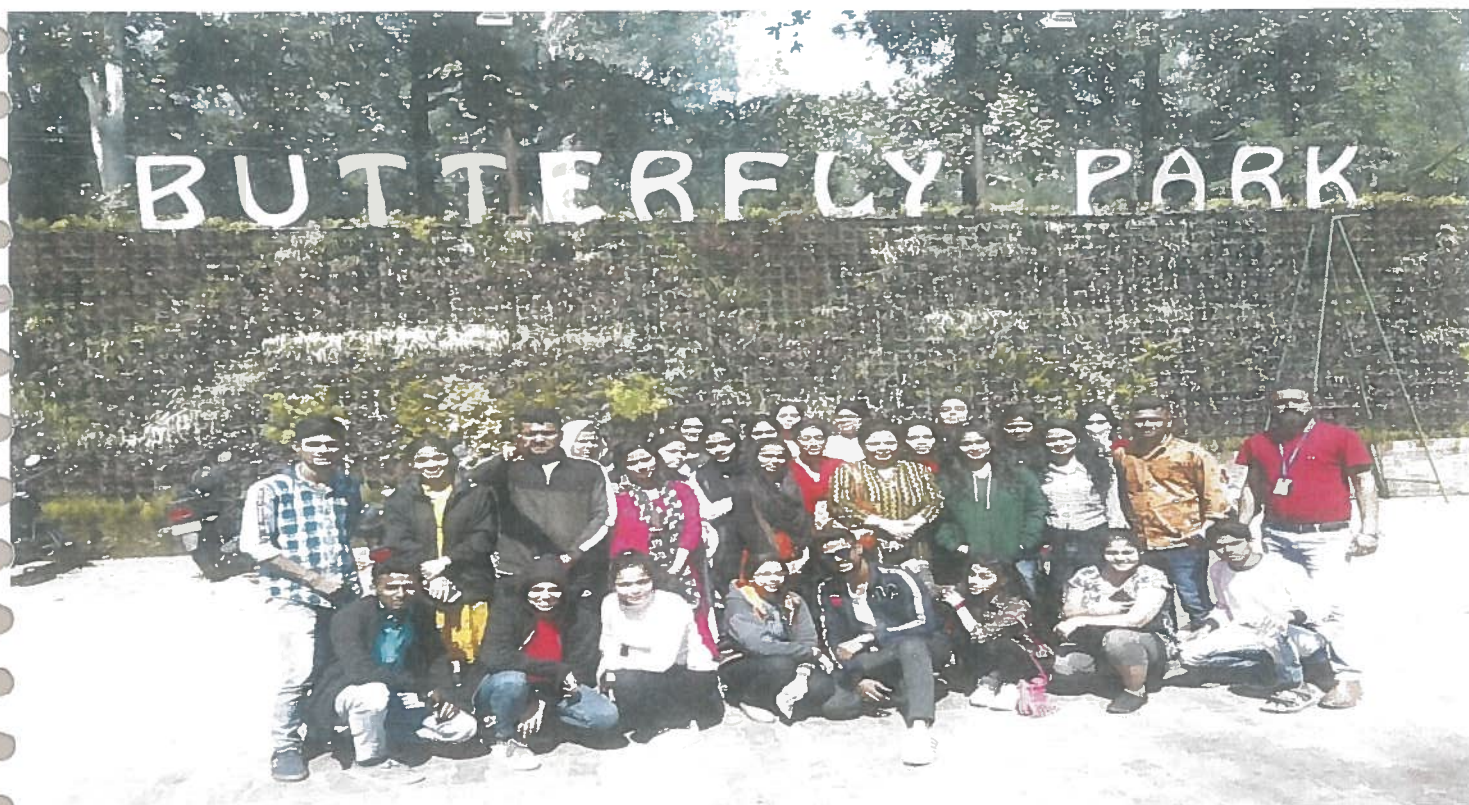
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TRANSPORT AND CONNECTIONS

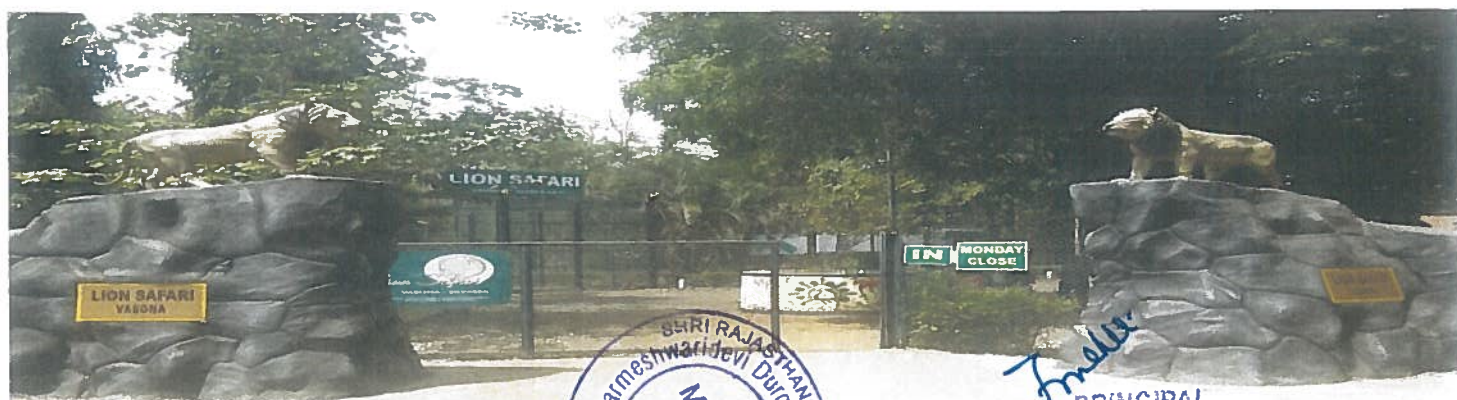
Silvassa is connected to Maharashtra and Gujarat via National Highway 848A. Silvassa has a well maintained road network. The near railway stations are in Vapi 16 km (9.9 m) away - Daman is 30 km away via Bhiland on National Highway Number 8. Mumbai is 160 km away from Silvassa via Bhiland on National Highway Number and Surat is 130 km away from Silvassa via Bhiland on National Highway No 8. Auto rickshaw services ply between Vapi and Silvassa at a regular interval and easily available from Vapi (E) railway station. Gujarat Road Transport Buses ply between Silvassa and Vapi at a regular interval.



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TOURIST ATTRACTION



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PLACES TO VISIT

SILVASSA

1. LION SAFARI WILDLIFE PARK.

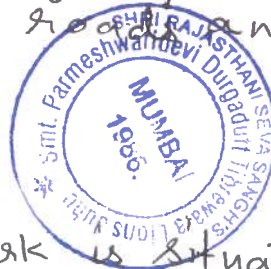
True to its name, this park is mostly visited for the lion safaris here. It is a part of the Dadra and Nagar Haveli Wildlife Sanctuary. Spreading over an area of 25 hectares. It is also home to the Asiatic Lion.

2. DUDHANI LAKE

Lying 45km away from Silvassa, Dudhani is a family picnic spot with opportunities for several leisure sports amongst the scenic beauty. Even the ride itself to the place is an amazing experience being flanked with the wounding roads and green slopes.

3. DEER PARK.

Satmliya Deer Park is situated at Dapada in the outer area of Silvassa road. As the name suggests the park is home to a wide variety of deer species such as black buck, chital, spotted deer, sambhar, nilgai, antelope and many more.



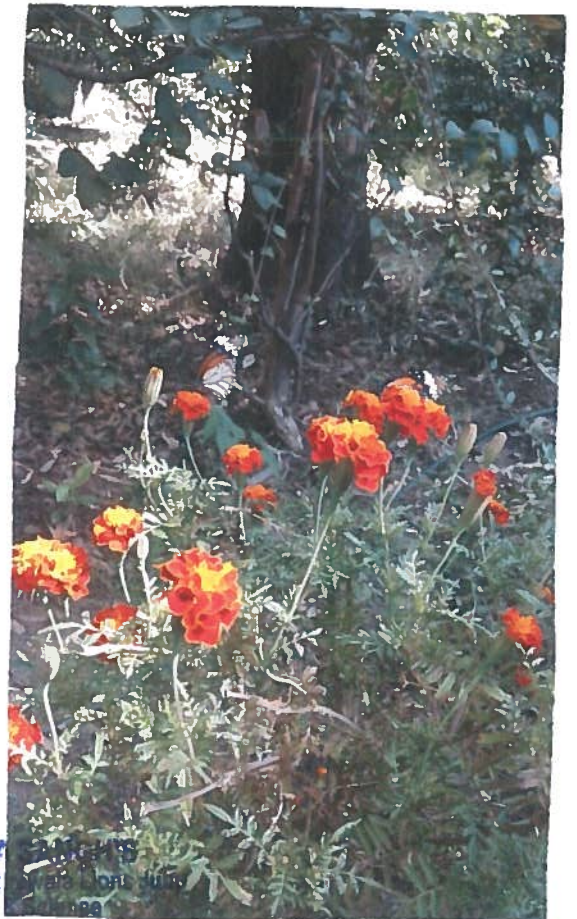
4 BUTTERFLY PARK.

The butterfly park is at Khanvel around 27km from Vapi. Butterfly Park is quite good hosting various species of butterflies we cited around 7-8 species of butterflies.



— Butterfly Park.

Butterfly in
the Park.



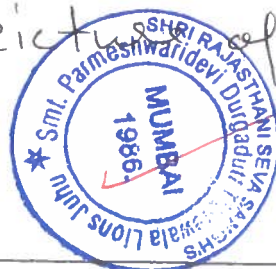
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At Lion Safari Wildlife Park.



A Picture of Lion's.



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At Deer Park .

A picture of
Deer .



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MEDICAL FACILITIES



Hospital of Silvassa.

The Industrial Revolution started changing the CIVIC scenario of Silvassa since the 1970's, the health care scenario of the place saw very little improvement. It was until very recently that the requirement of improved medical facilities was identified to support the ever increasing population of Silvassa. There are many famous hospitals in Silvassa. ~~Some~~ One of the famous Hospital in Silvassa is Vinobha Silvassa.



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POLICE STATION



Police station of Silvassa.

Nagar Haveli, Wedged between Maharashtra and Gujarat, and 1 km to the northwest, the smaller enclave of Dadra. Which surrounded by Gujarat this was ruled by Portuguese from 1783 till the mid-20th century.

The area was captured by Police Station of Silvassa in 1954 and administered as Dadra & Nagar Haveli being a Indian as a Union Territory. The Union territory was merged with Daman and Diu to form new union territory of Dadra and Nagar Haveli and Daman and Diu on 26th January 2020.



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EDUCATION FACILITIES



School of Silvassa.

Silvassa is a school Cluster in Dadra & Nagar Haveli block of Dadra and Nagar Haveli (vi) district in Dadra and Nagar Haveli which is having about 89 schools in it. This cluster include all private and government schools of this area.

All the government and Private schools and colleges are listed in the cluster same of them are listed below.



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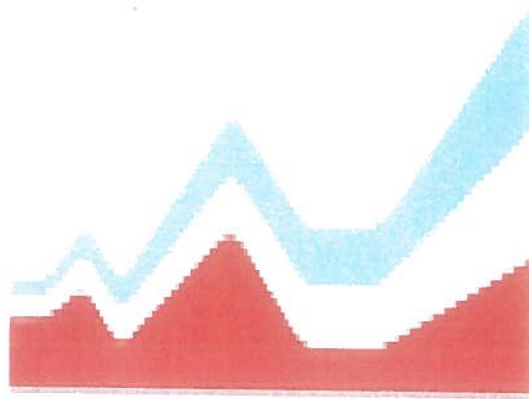
SCHOOLS	COLLEGES.
Kashiram School.	SSR College of Arts, Science & Commerce.
C.P.S.B.A.L. DEVE	Shri. Vinobhave College of Nursing Silvassa.
Govt. Higher Secondary School.	Revika College of BEA B.Com, ISSC.
Govt. High Secondary (2) Silvassa.	Govt. Medical College of Silvassa.
FR. Agnelo English Silvassa.	DR. Babasaheb Bhim Rao Ambedkar Govt Polytechnic College.



Class room of Std Vth.



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REPORT



Intellect

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FIELD TRIP REPORT

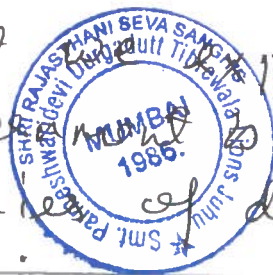
Our college has organized Geography Field Trip on 5th Feb to 6th Feb at Silvassa. We started our journey at Silvassa. We started our journey at 7:40 am from our college gate with UG students and our departmental head. Prof. Jayeeta Dutta. After reaching there we visited Butterfly garden. We saw a bunch of butterflies and flowers and we also took photos of butterflies.

After that we went to our resort. The resort staff gave us welcome drinks and then we had lunch. After having lunch we started our socioeconomic survey in a nearby village called Umakoi.

We interviewed a number of villagers to know their socio-economic status.

After the survey we had evening tea and snacks at resort and we enjoyed different types of Entertainment after that we had dinner and we went to our rooms.

On the second day Morning we had breakfast at resort and we visited deer park after that we placed the ~~whole~~ park in a government of different species of deer Nilagi etc.



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SOCIO - ECONOMIC SURVEY

Socio Economics in the social science that studies low economic activity affects and is shaped by social processes.

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



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OBJECTIVES

- (1) To study socio-economic condition of local people silvassa.
- (2) To focus the problem face by the local people.
- (3) To study about facilities and amenities of study area.
- (4) To provide some applicable recommendation for the betterment of study area.

METHODOLOGY

- (1) The report is based on primary data collection. The students of TYBA done the road to road survey with proper questionnaire for making the field trip report.
- (2) The secondary data has been collected from different sources like census, internet and Books etc.



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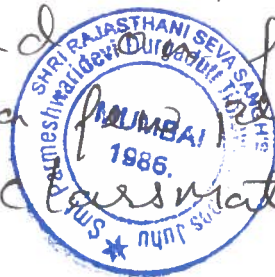
FINDINGS

We conducted a socio-economic survey in a small adivasi village in Silvassa. We interviewed 78 respondents. The survey was conducted with the help of a socio-economic survey questionnaire. According to the data that we received from the survey we found out that most of our respondents were in the age group of 15-30 years and most belonged to the Hindu religion.

According to our data we found out that the monthly expenditure of our respondents was not more than 2500 rupees and their annual income was not more than 40,000 rupees, all the respondents annual income was below Rs 40,000/-

While conducting the survey. We find out that there are no proper water facilities and therefore the government should take some initiative to provide regular water for their daily use.

Most of the respondents who we surveyed relied on farming and farming. After clicking a photograph with professors and



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the bus to activities for their source of income. When the respondents were asked about their daily cooking facilities, we found out that nearly 50 families use kerosene for cooking and some families even use wood, which shows the unavailability of cooking facilities.

When it comes to unavailability of basic facilities, the main problem that these respondents face is the lack of toilet facilities nearly 91% of the respondents did not have toilets in their homes. The respondents face a lot of problems due to no sanitary facilities. After conducting the survey what we find out is that these Adivasi villagers face a lot of problems of insufficiency of even the basic facilities.

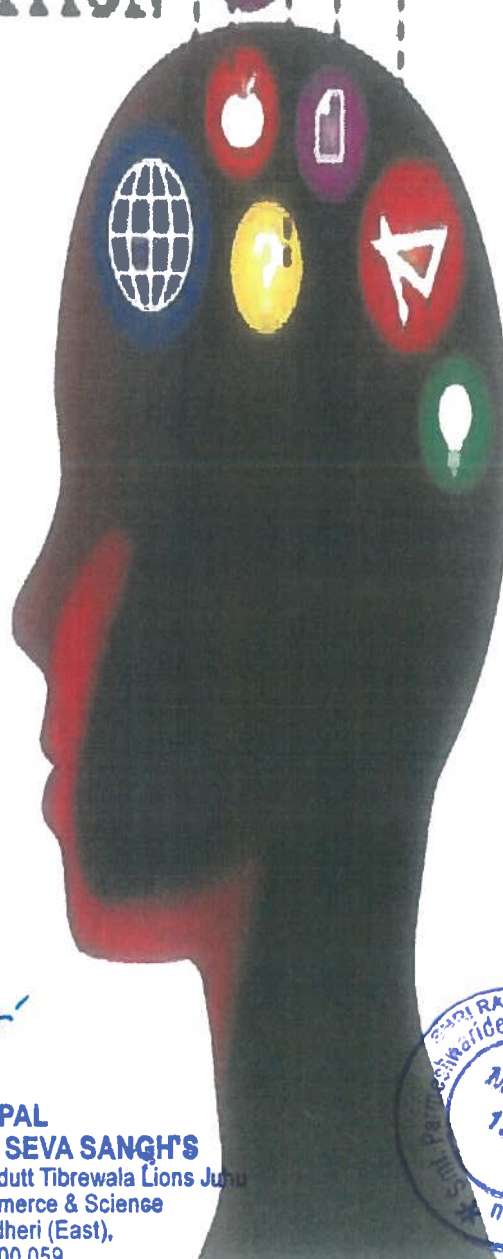
Thus, the basic facilities like water supply, toilets, electricity, cooking facilities, need to be provided.



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INTERPRETATION



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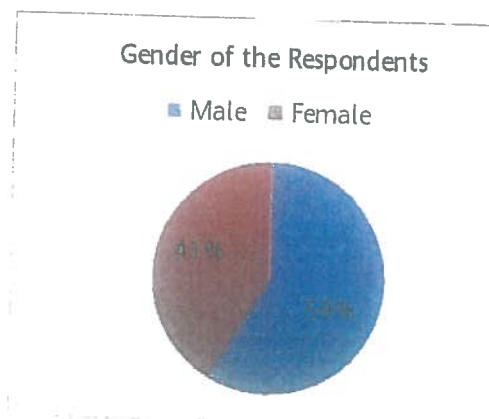


INTERPRETATION

GENDER OF RESPONDENTS.

The figure 1 showing the gender diversification of the study area as we have surveyed 78 respondents of the total respondents are 41% survey was conducted on random bases.

Therefore, the gender diversification is also on the basis of random selection of respondents figure showing the percentage of males and females of Umarkoi village of Silvassa.



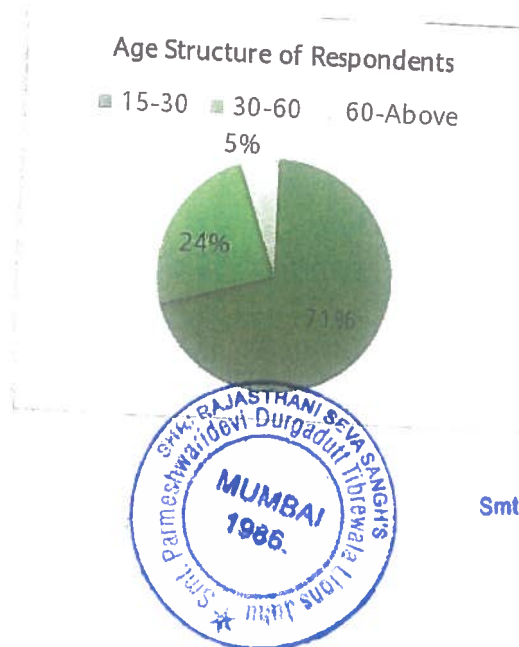
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AGE STRUCTURE OF RESPONDENTS.

The fig-2 showing, Age structure of respondents of study areas age structure is divided in a 3 age groups which is 15-30, 30-60, and 60-above.

We have surveyed the respondents out of total number of the respondents 71.7% of them are in middle age group which is 15-30. 24% of respondents are in 30-60 age group and only 5% of respondents are in 60-above age group.

According to the data shown in the fig-2 more than half of the respondents are in middle age group they are either working or studying in the Umarkai village of Silvassa.

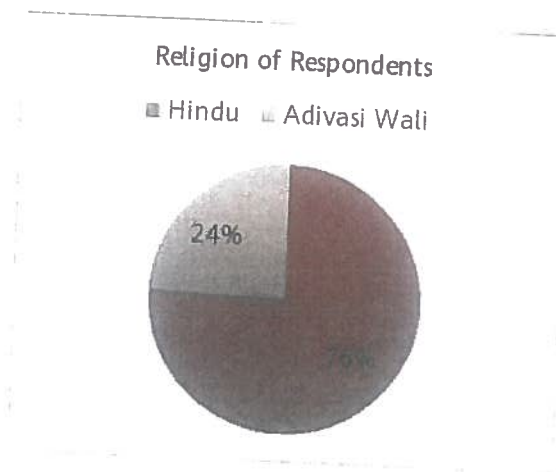


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RELIGION OF RESPONDENTS.

The fig. 3 showing the religion respondents of the study area. As we have surveyed of the respondents out of total number of the respondents 76% of respondents are hindu and 24% of respondents are Adivasis.

It is shown in fig. 3 that more than half of the population and respondents are Hindu in this village of Silvassa.



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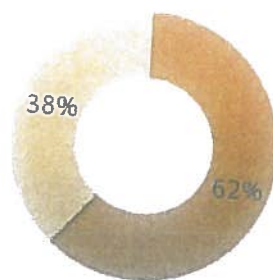
MARITAL STATUS OF RESPONDENTS.

The fig. 4 showing the marital status of respondents of the study area. Out of the total respondents on the survey was conducted 38% were unmarried and 62% were married respondents.

As it is shown in fig. 4 more than half of the respondents are married in Umalkai village of Silvassa.

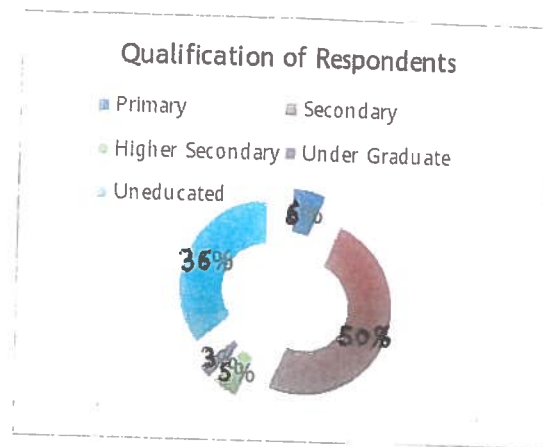
Marital Status of Respondents

■ Married ■ Unmarried



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QUALIFICATION OF RESPONDENTS:

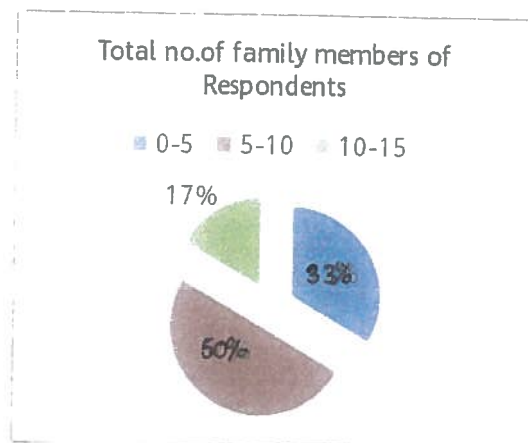


The Fig. 5 is showing the qualification of respondents of the study area. Out of 78 respondents on which survey was conducted like qualification of 50% respondents are secondary. Higher secondary of 5% respondents and primary of 6% respondents 5% respondents are Undergraduate and 36% respondents are literate the qualification of half of the respondents in Umakoi village of Silvassa is Secondary.



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TOTAL NO. OF FAMILY MEMBERS OF RESPONDENTS.

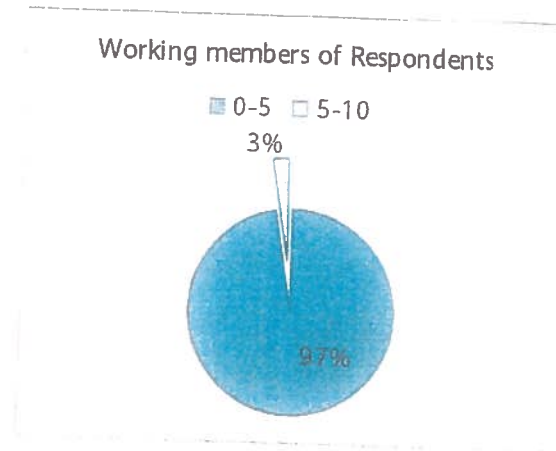


The Fig. 6 is showing the total no. of family members of respondents of the study area. Out of 78 respondents which survey was conducted like family members of 50% respondents are 5-10 and the 33% respondents are family member is 0-5 and the last of the 17% of the respondents is 10-15 respondents of in Umar/oi Village of Silvassa.



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WORKING MEMBERS OF RESPONDENTS



The fig. 7 showing the working members of the family of respondents of the study area ~~area~~ as we have surveyed 78 respondents out of the total members in their families and only 3% respondents have 5-10 working member in their families.

It is shown in fig. 7 that most of the respondents have only 0-5 working members in their due to lack of jobs and other occupation.



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HEALTH OF RESPONDENTS.

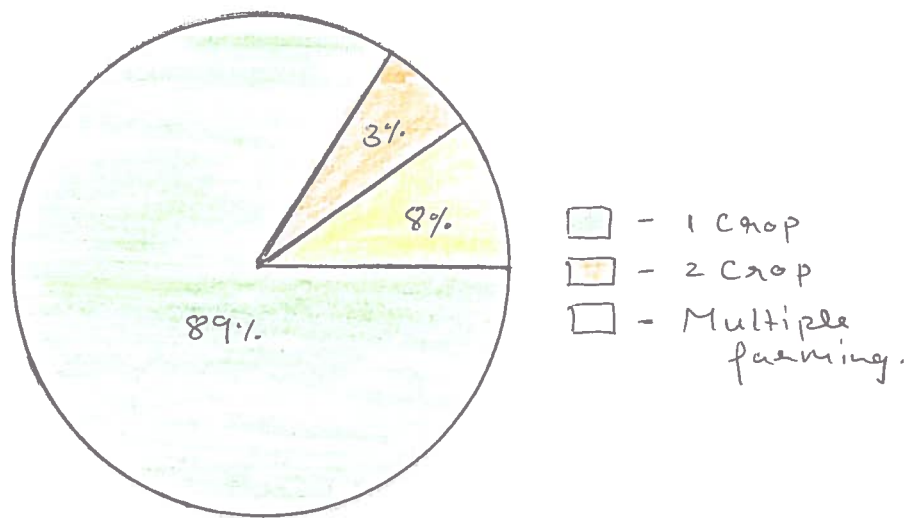


This fig. showing the health of the respondents we surveyed 78 respondents among 13% of the respondent were such who has previously suffered from kind of the disease. Whereas the remaining 87% of the respondents had never been in contact with any kind of disease and were healthy.



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NATURE OF FARMING OF RESPONDENTS.

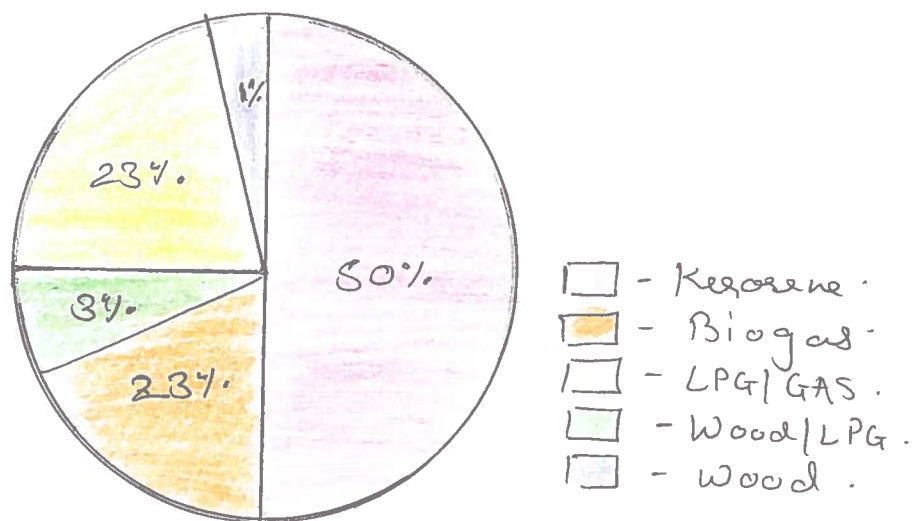


We have surveyed a small village in Silvassa. The main occupation of the respondent is farming. Most of the respondent nearly 89% respondent doing 1 crop farming it mean they only depend on rain and Dhan is their main crop 3% respondents doing 2 crop in one year and 8% respondent doing Multiple cropping or farming in season. Most of the people only do the seasonal farming due to lack of irrigation facilities and other problems.



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FUEL USED FOR COOKING BY RESPONDENTS.

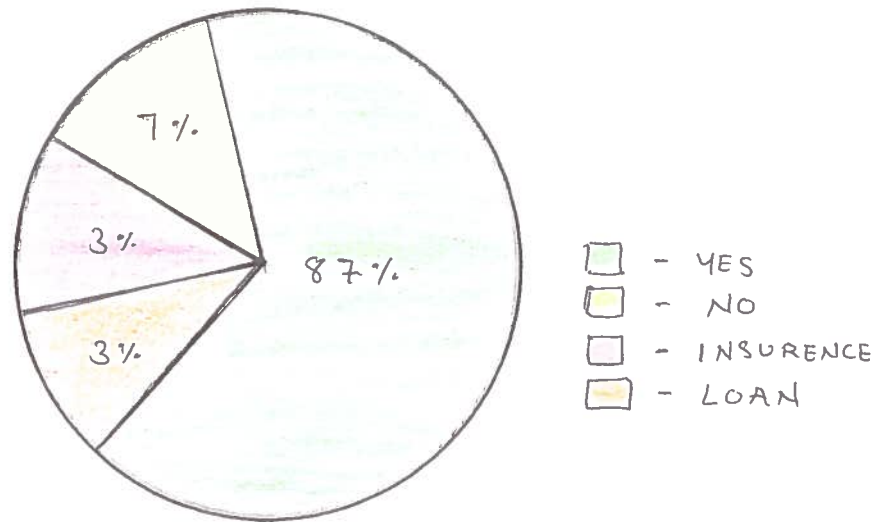


The following fig. showing the fuel used for cooking fuel. We have surveyed 78 respondents of the study area we find that there is much used fuel is Kerosene. Nearly 50% family use Kerosene for cooking food. 2nd large fuel use for cooking is biogas which is 23%. and 3rd is LPG/GAS. Nearly 23% family use wood and 1% family use both wood and LPG. Due to lack of knowledge and poor connection to the city there is highly used Kerosene for cooking.



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BANK ACCOUNT/INSURENCE/LOAN OF RESPONDENTS

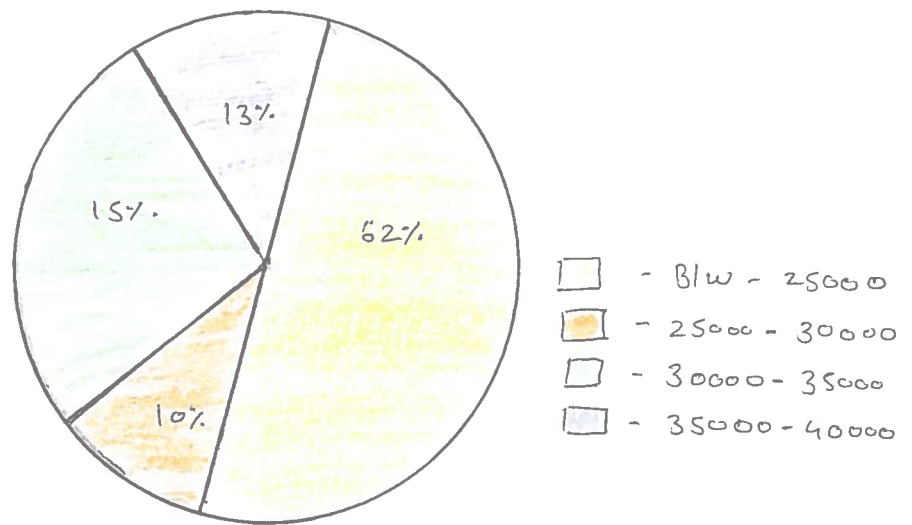


This fig. showing the Bank Account, Insurance and Loan of the respondent. Nearly 87% people respondents having the bank account in which 3% having the loan from the bank and 3% having the insurance also only 7% respondent don't have any bank account. It shows that they do not get any aid from the Government.



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ANNUAL INCOME OF RESPONDENTS

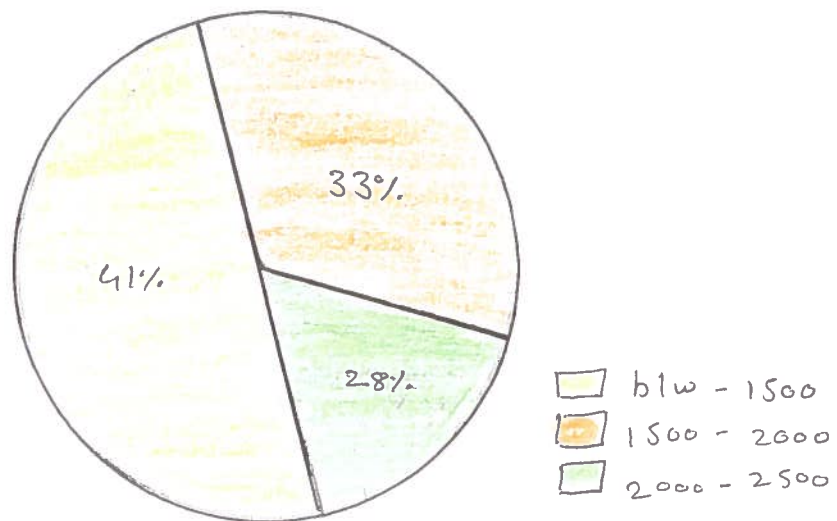


The fig. showing the annual income of the respondents. We have survey 78 respondent of a small village of Silvassa. In this village about all the respondent in engage with agriculture. So they don't have any extra income from other sources 62% respondents annual income ranging between or having annual income below 25000 rupees. 13% respondents is annual income ranging between 25000 - 30000 rupees and 15% respondents annual income is ranging blw - 30000 - 35000 rupees. Only 10% respondents having their annual income range 35000 - 40000. Indian rupees most of the respondent have 1 crop farming so their income is very less.



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MONTHLY EXPENDITURE OF RESPONDENTS.

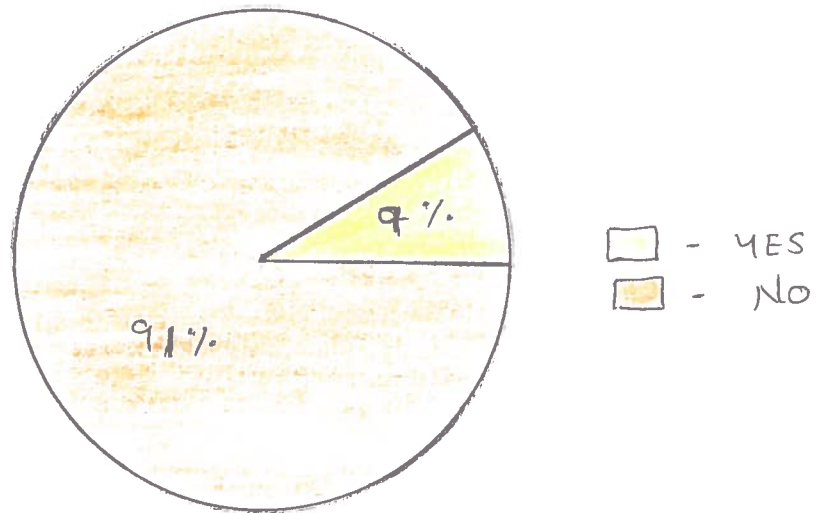


We have surveyed a small village Bhiwalapada in Silvassa (Dadra and Nagar Haveli). We find that there is very less expenditure as compared to other. Out of total there is 41% people respondent their monthly expenditure is Rs 1500/- 28% respondent which expenditure is ranging blw Rs 1500 - 2000 and 33% respondents having monthly expenditure range is 2000 - 2500. Their daily lifestyle is very simple and having less income and less expenditure.



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TOILET FACILITIES OF RESPONDENTS.

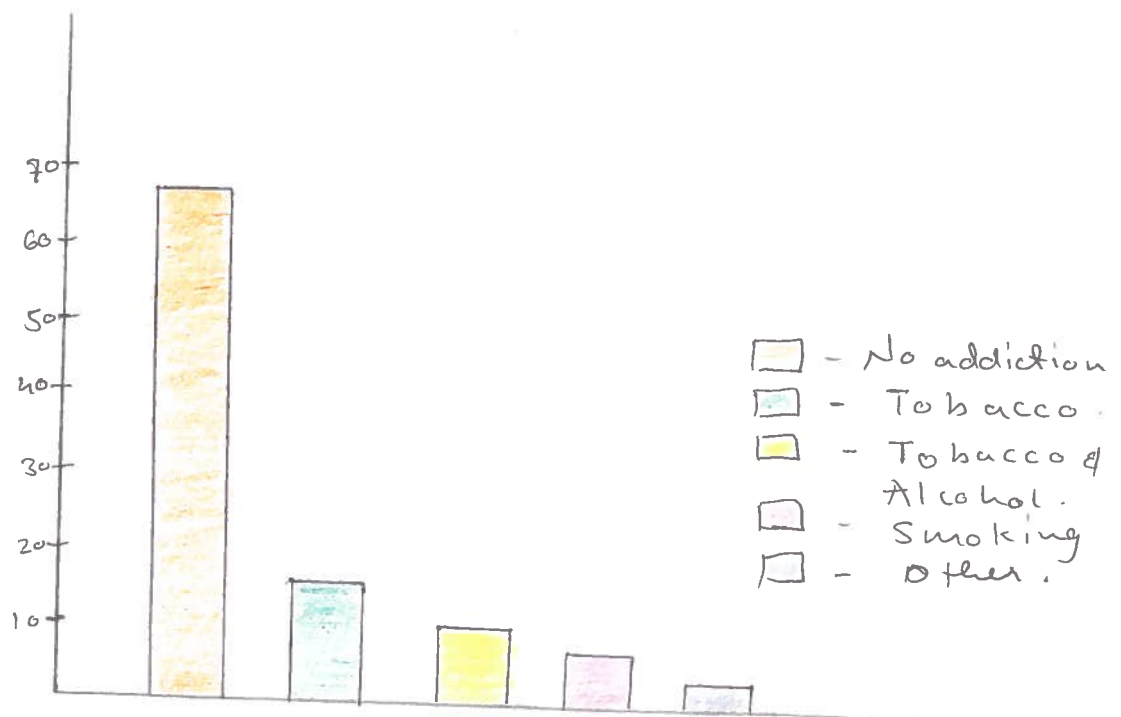


We have surveyed a small and poor village. This figure showing the toilet facilities of the respondents. In this village 91% respondents do not have toilet only 9% have the toilet facility in their house. In present where Swachh Bharat Abhiyan giving the toilet facility in country where as this village not get any help in this field.



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ADDICTION OF RESPONDENTS.



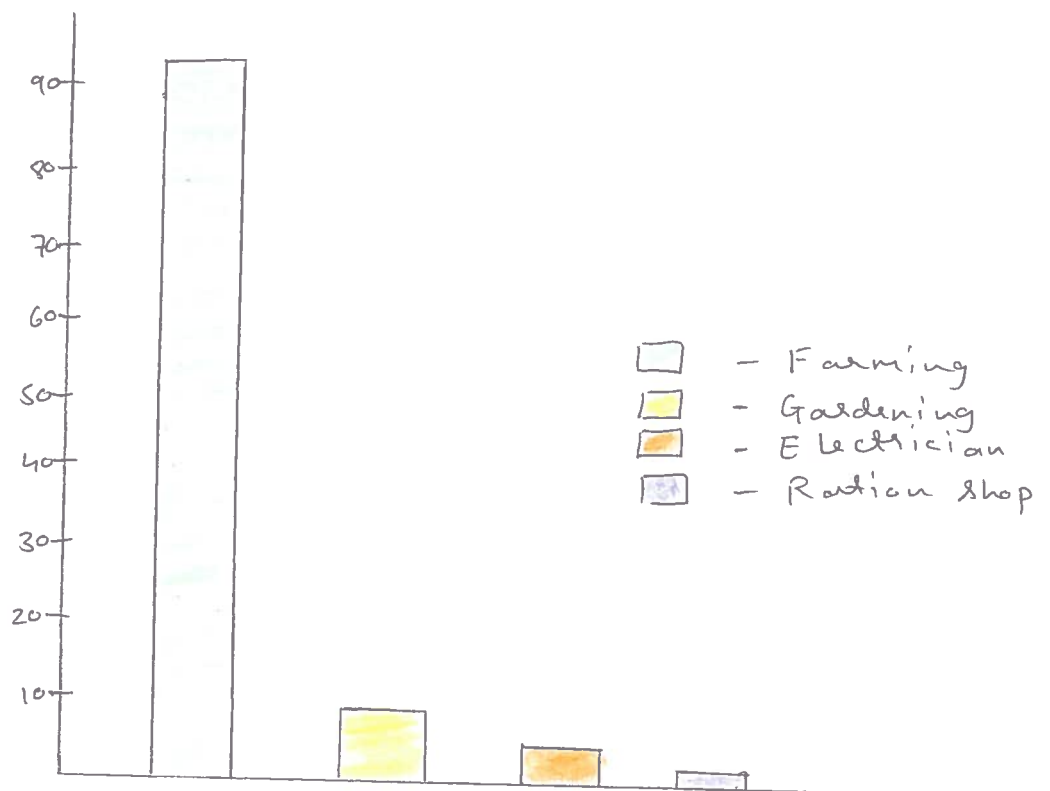
The fig. showing the addictions that the respondents suffer from 69% of the respondents we not addicted to any such drugs 14% respondents were addicted to tobacco. 10% respondents were such who were a addicted tobacco as well as alcohol 5% respondents were addicted to smoking and the remaining 2% of the respondents had other unhealthy addictions.



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SOURCE OF INCOME OF RESPONDENTS.



We have surveyed 78 respondents in a village of Silvassa. This fig. shows the main source of income and we can say that there is most of the respondents are engaged with the farming and farming activity or primary activity 92%. people is engage with farming in surveyed area and their main source of income is farming other 8% people or respondents also engaged with farming but the main source of income is shop gardening, electrician (service/shop) etc. 3%. respondents work on ration shop, and their main source of income is shop. Bhiwalpada (Study area) is a rural area and in rural areas most of the people are engaged with primary activity.



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SOURCE OF WATER OF RESPONDENTS .



Above fig. show the supply of water or source of drinking water to the respondents. We have surveyed 78 respondent. Out of the total respondent 58% families taking the benefits of Nagar Palika water supply 10% respondents get the water from tukewell, 8% respondents get the water from well and 2 are getting from other sources. According to above diagram nagar Palika provide the drinking water above 50%. govt. should take the steps for other houses also and provide them regular & water for daily use.



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CONCLUSION

Socio-Economic Survey was conducted at Bhinwala pada, Silvassa as a part of our syllabus. During the survey it has been observed that the villages having some socio-economical drawbacks. The respondents were also reluctant during the survey. Therefore, it was a burden to collect the primary data. Hence, we faced some limitations during the survey time. Most of the respondents were answering in their local language (Adivasi, Gujarati) and it was difficult for us to communicate. The main highlighted problem was absence of some basic facilities like toilet facilities, water facilities, primary health center, road connectivity, etc.

Therefore, some recommendations are provided for the betterment of their lifestyle.



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RECOMMENDATIONS

- Proper water facilities for the villagers.
- Availability of toilets and proper sanitation.
- Better and Easier road Connectivity.
- Cheap and more transportation options.
- Availability of Electricity.
- Need to provide resources and equipments to carry out agricultural activities.
- Need to provide food grains and availability of cooking facilities.

[Signature]
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- <http://pdadnh.nic.in/Reports/OG%20Chap%20Physical%20Profile%20of%20DNH.pdf>



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SOCIO ECONOMIC SURVEY

Q.1

PERSONAL INFORMATION				
Sr. No.	Respondent Identity	Respondent 1	Respondent 2	Respondent 3
1	Name	Bansy	Nilam	Rajesh
2	Age	19	53	16
3	Sex	M	F	M
4	Religion	Hindu	Hindu	Hindu
5	Marital Status	single	married	single
6	Birth Place	Silvassa	Satli	Silvassa
7	Ed. Qualification	9 th	10	5 th

Q.2

Respondent	Total no. of Family Members	M	F	Working Members
1	5	2	3	2
2	6	4	2	2
3	8	5	3	3

Q.3 Main Source of water

Respondent	Nagar Palika	Ground Water	Lake	Other
1	✓			well
2	✓			
3	✓			



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(i) Distance of water source from home –

R1- 2 km

R2- 2 km

R3- 2 km

Q.4 What type of cooking fuel do you use:-

Respondent	LPG	Kerosene	Electricity	Other
1	✓			
2		✓		
3		✓		

Q.4 Do you use your ration card?

R1 ✓ Yes/No

R3 ✓ Yes/No

R2 ✓ Yes/No

Q.5 Daily Diet

Respondent	Breakfast	Lunch	Dinner
1	chai	chawal	Doff
2	×	✓	✓
3	×	✓	✓

Q.6 Do you have your own House?

R1 ✓ YES/NO

R3 ✓ YES/NO

R2 ✓ YES/NO

Q.7 Material used in your House

Respondent	Wood	Mud	Cement	Other
1	✓			
2		✓		
3		✓		

Q.8 Did you suffer from any disease in past few years. If yes, how many years?

R1 NO

R2 NO

R3 NO



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Q.9 Do you eat tobacco and drink alcohol?

R1 NO

R2 yes

R3 yes

Q.10 Nature of farming

Respondent	One crop	Two crop	Multiple farming
1	✓		
2	✓		
3	✓		

Q.11 Main source of Income:

R1- working

R2- Farming

R3- Farming

Q.12 Income per Annum

Respondent	Below 25,000	25000-50000	50000-75000	Above 75000	Savings
1				✓	
2			✓		
3				✓	

Q.13 Monthly Expenditure

Respondent	Electricity	Rent	Education	Food	Other
1	200/m	own	NO	2K	yes
2	200/m	own	NO	2K	yes
3	350/m	own	NO	2K	yes



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Q.14 Do you plan

Respondent	Holiday	Movie	Drama	Other
1	✓	✗	✗	✗
2	✗	✗	✗	✗
3	✗	✗	✗	✗

Q.15 Do you have toilet facility in your house?

R1 yes/no

R2 yes/no

R3 yes/no

Q.16 Household facilities

Respondent	T.V	Electricity	Refrigerator	Computer	Mobile	Washing machine	vehicle
1	✗	✓	✗	✗	✓	✗	
2	✓	✓	✗	✗	✓	✗	
3	✓	✓	✗	✗	✓	✗	

Q.17 What is your daily means of transport

Respondent	Two Wheeler	Car	Bus	Train	Other
1	✓	✗	✗	✗	✗
2		✓			
3	✓				



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Q.18 Do you have

Respondent	Bank Account	Loan	Insurance
1	✓	✗	BPK ✓
2	✓	✗	✗
3	✓	✗	✗

Q.19 What are the day to day problem you face?

R1 ✓

R2 No

R3 Yes

Q.20 Do you want any type of Govt. Aid what type of aid

R1 Water, Electricity, Toilet

R2 Toilet

R3 Water

Q.21 Main crop -

Respondent	Rabi	Kharif	Others
1 ✓	Rice	✓	
2		✓	
3		✓	

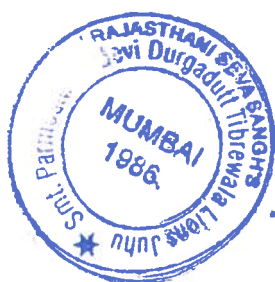


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- Respondent 1 child.

Respondent 2 Child.



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