

DEPARTMENT OF GEOGRAPHY, BIKALI COLLEGE, DHUPDHARA

CERTIFICATE

This is to certify that the field report entitled on "*Socio-economic Structure of Mauriapara Village Under Dighali Gaonpanchayat, Rangjuli Tribal Development Block, Goalpara*" submitted in partial fulfilment of GGY-HC-3026 of the award of the Under Graduates (UG) 3RD SEM in Geography in the academic year 2022-23, is a record of bonafide work carried out

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A FIELD REPORT
ON
“RICHNESS OF BIODIVERSITY AND IT CURRENT
SENERIO OF MAURIAPARA VILLAGE”



A FIELD REPORT: Submitted as part fulfilment of Paper
GGY-HC-3026 of B.A 3rd Semester Geography Honours Examination
2022.

SUPERVISOR:

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Chapter - 1: Introduction:

Richness of biodiversity and its current situation of Mawriapara village. Biodiversity in the area plays a critical role in sustaining human population. Mawriapara village house to some of the small diversity of species and provide important life support services of to the people who lived in and around the area. And in terms of economic condition in the study area is good.

1.1 Statement of the problems:

As Human pressure on the natural environment has increased, so inevitably biodiversity in Mawriapara has declined at some point. The ultimate reasons for increasing pressure can be linked to a long phase of exponential growth in the human population and a similar phase in which per capita wealth in the area of Mawriapara

In the other hand Dense human Settlement in catchment area, urbanization and various anthropogenic activities has resulted in over exploitation of forest resources leading to degradation in their quality and quantity. Now, there is increasing concern to conserve and restore pressing biodiversity and endangered habitat to achieve ecological sustainability. So, in order to cope with the need study of biodiversity is a must. It's very important to study for measurement of biodiversity problem.

1.2: Objective of the study:

The main objective of studying the village are as follows -

1. To understand the ecosystem and ecological aspects of the village.
2. To understand what is the environment condition of village
3. To find out what's the village biodiversity
4. To understand how the village people behave to their environmental condition
5. to study whether the biodiversity species in the village are decreasing and increasing.

1.3: Database and Methodology:

In collecting data primary and secondary Methods have been used. Informations are gathered from the individual families living in the Mauriapara village with prepared questionnaires as given. In the other hand some Data has been collected successfully in the primary method through the opinion of the village who lived there in the village and also the environmental condition suitable for biodiversity and the decreasing and increasing of the species in the village. also the important data is collected from internet as secondary data like; Scientific name of flora and fauna

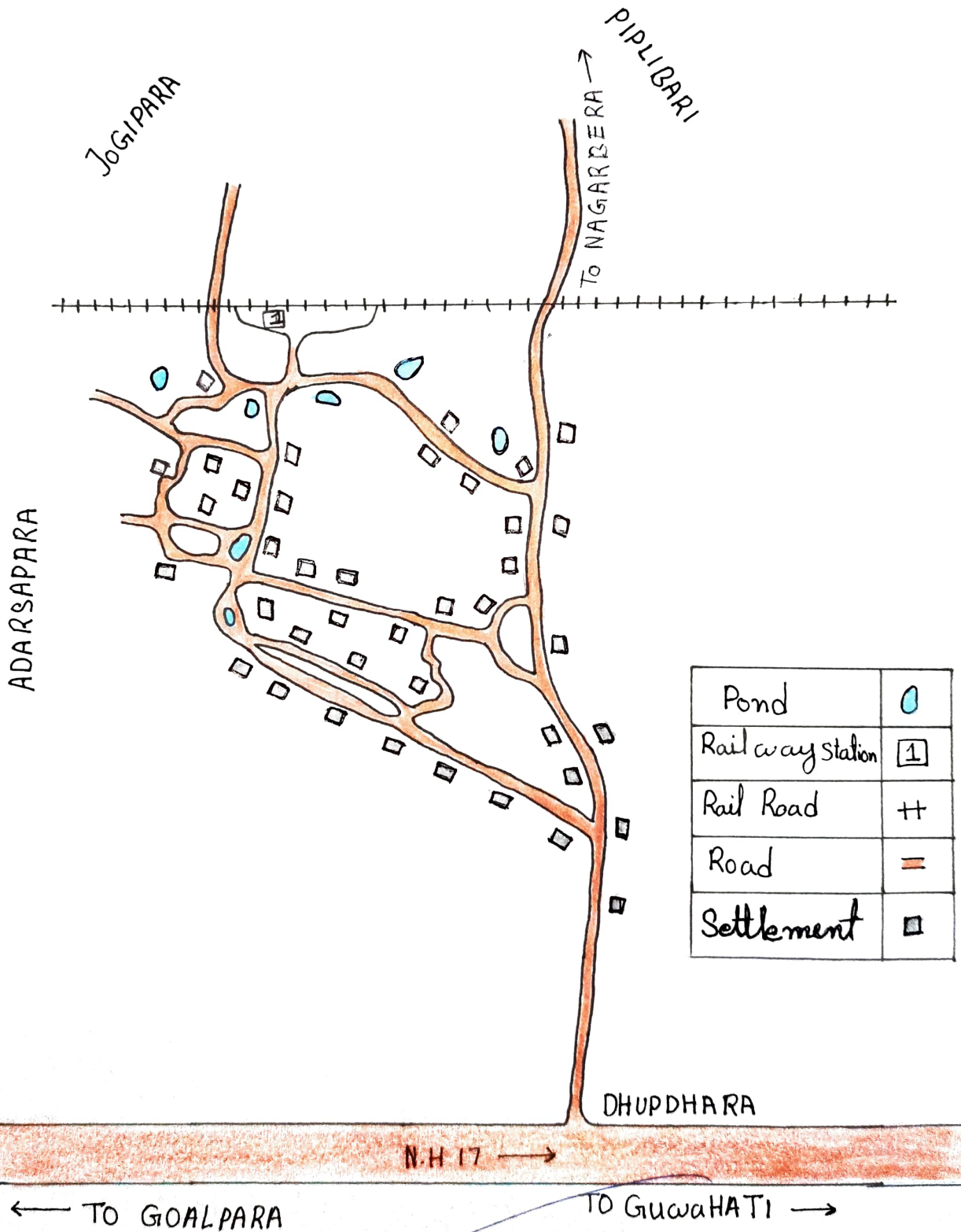
Chapter-2: Geographical background of the study area-

2.1: Location:

Mauriapara village is located just 3km away from Dhupdhara. It is situated on the north-eastern part of Dhupdhara which falls under Dighali Gram panchayat under Ranyuli Tribal Block in the Gwalpara district. Mauriapara village lies between 25.97994°N latitude and $91.048721^{\circ}\text{E}$ longitude. Dighali in the East part, Maslam in the west part and Dighali in the north part and sutarpara village in the south part of the Mauriapara village. This area is surrounded by vegetation, Agriculture land, streams, ponds etc.

VILLAGE MAP MAURIPARA

0 250 500 M



2.2 Population:

The mauniapara village has a population of 432 of which 246 are male while 186 are female as per population census of 2011. In Mauviapara village population of children with the age of 0-12 is 30 which makes up 7% of the total population of the village.

Particulars	Total	Male	Female
Total No of houses	72		
Population	432	246	186
child 0-12	30	18	12
schedul caste (SC)	78	45	29
shedul Tribe (ST)	354	184	145

2.3: Economic condition:

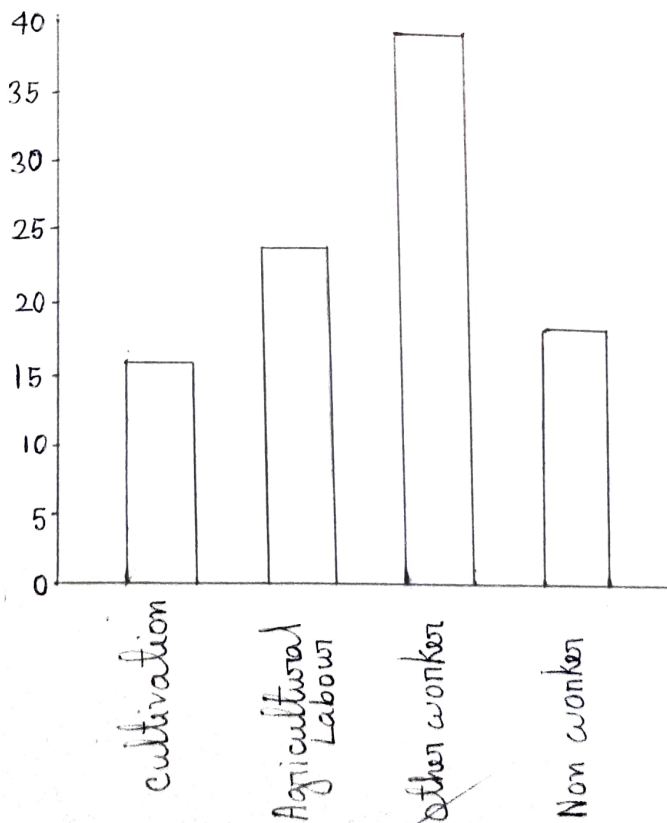
Economic condition of the mauviapara village neither it's good nor it's bad. In Mauviapara village people are engaged with primary activities like agriculture, fishing etc and also engaged in tertiary activities like Education, transportation like E-Rickshaw drivers etc. Mauviapara village is just 3 km from NH17 highway and also from Dhupdhara where every facilities are available like Public Bus service, Hospitals like,

Public Bus. service, Hospitals like, Bikali Model Hospital, police station, Educational institutions and so on. There is a Railway station is just $\frac{1}{2}$ km from the village which help in the transportation.

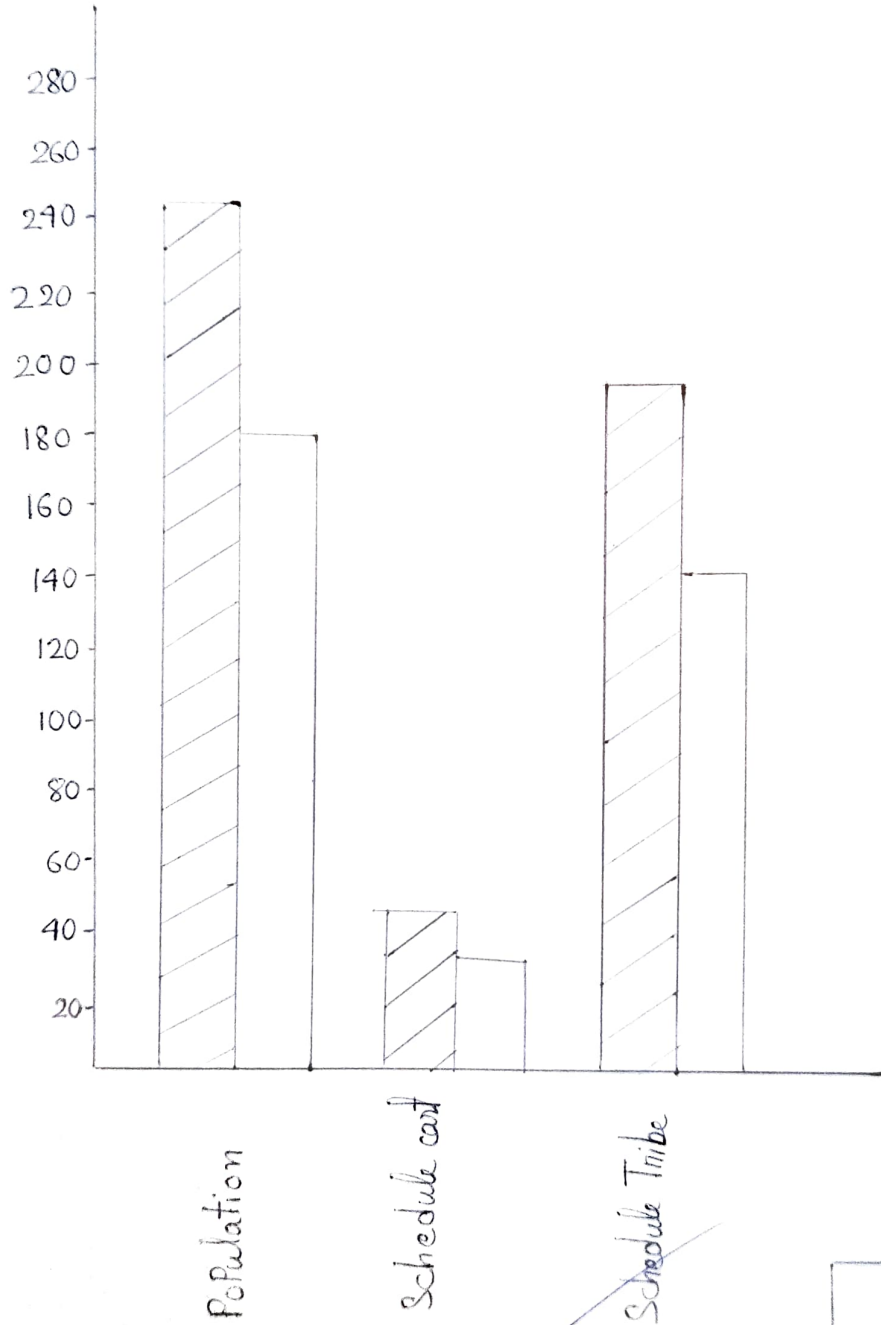
Occupation of the village:-

cultivator	Agricultural labour	other worker	Non workers
16	24	38	18
16.6%	25%	39.6%	18.8%

Mauniapana
occupation structure
Bar Graph



DISTRIBUTION OF POPULATION GRAPH



INDEX	
Female	(Hatched pattern)
male	(Plain)

Chapter-3: Result and Discussion.

3.1 Biodiversity:

As we know that biodiversity describes that richness and variety of life on earth. as it's the most complex and important feature of our planet.

As the villagers of mawiapara are aware of biodiversity conservation In the village of Mawiapara we found a large number of flora and fauna.

3.2: flora:

Pattern of rainfall configuration of grounds are the factor controlling the distribution of plants into the major types of flora. The list of the 28 species of flora found on Mawiapara village are given below.







Table:

Local Name	Scientific Name
Neem	<i>Azadirachta indica</i>
Amlakhi	<i>Phyllanthus emblica</i>
Ahot	<i>Ficus religiosa</i>
Anjur	<i>Terminalia arjuna</i>
Bel	<i>Aegle marmelos</i>
Bokul	<i>Minusops elengi</i>
Bogarri	<i>Ziziphus mauritiana</i>

Debdaru	<i>Polyalthia longifolia</i>
Ghor Neem	<i>Melia azedarach</i>
Gamari	<i>Gmelina arborea</i>
Kodom	<i>Mitragya parviflora</i>
Knisnoswa	<i>Delonix regia</i>
Modar	<i>Erythrina</i>
Segun	<i>Tectona grandis</i>
Xewali	<i>Nyctanthes arborbustis</i>
Xumaru	<i>Cassia fistula</i>
titeli	<i>Tamarindus indica</i>
outenga	<i>Dillenia indica</i>
Nahor	<i>Arecaeae</i>
Radhaswa	<i>Caesalpinia pulcherrima</i>
Dalim	<i>Punica Granatum</i>
Palash	<i>Butea monosperma</i>
Kol	Musa
Modhuriam	<i>Passiflora Guajava</i>

✓

List Of Flora With Images

Local Name	Scientific name	Image
Mango (आम Aam)	Mangifera Indica	
Papaya (Amila)	Carica papaya	
Jackfruit (Kothal)	Artocarpus heterophyllus	
Coconut (Narikol)	Cocos Nucifera	
Bamboo (Bah)	Bambusa vulgaris	
Khajur (Khejur)	Phoenix dactylifera	

3.3 Fauna :

The numerous water bodies are rich reservoirs of many migratory birds in the mawriapara villoge and also contain a large number of species like pig, higards, crow, Goat.

The list of 28 species of founa found on Mawriapara villoge that are as given below.

Table :

Local Name	Scientific Name
Baduli	chiroptera
Bulbuli	Copra aegogrus hircus
Pokhila	Rhopalocera
Mekwii	Pelis catus
Poitaruwa	Blalodia
Halika	Acridotheres tristis
Gorru	Bas taurus
Kukun	Canis lupus familiaris
Hap	vertebrata
Fesa	Bubo virginianus
Kukurra	Gallus Gallus domesticus
Makhi	Murca domestica







Ghon chinika	Passer domesticus
Kuli	Eudynamis Scabraceros
Moh	Culicidal
Hoha pohu	Onyoblagus cuniculus
Bhena	Ovis aries
Paras	Columba livia
Mokotta	Araneae
Mou makhi	Apis
Hap	serpentes

3.4: Current environment condition of the village:

Climate change or global warming is the greatest environmental threat we have ever faced and seen in Mawia para village soon, and how village respond to the crisis and conserve the biodiversity in village (fauna and flora) and also all other species.

There is a alarming evidence that important dipping points, leading to irreversible changes seen in major ecosystem in village.

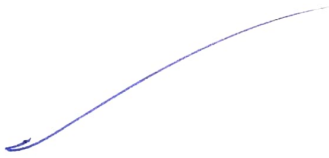
List Of Fauna With Images

Local Name	Scientific name	Image
Pig (Gahoni)	Sus Scrofa Domesticus	
Ant (PiPon)	Formicidae	
Lizard (Gui Xap)	Lacertilia	
Honey Bee (Mou makhi)	Apis	
Crow (Kauri)	Corvus	
Goat (Sagoli)	Capra aegagrus hircus	

Chapter-4: Finding and conclusion

At the present study we studied the environmental and biodiversity condition of our revenue village. It was a wonderful and learning experience for us while working on the field report development and gave us a real insight into the environmental condition of the village. The joy of work and the thrill involved in tackling the various problems and challenges gave us a feel of development in environmental condition.

On the other hand Biodiversity is a concept that has no general definition.



**SOCIO-ECONOMIC STRUCTURE OF MAURIAPARA
VILLAGE UNDER DIGHALI GAONPANCHAYAT,
RANGJULI TRIBAL DEVELOPMENT BLOCK,
GOALPARA**



**A FIELD REPORT: Submitted as part fulfilment of Paper
GGY-HC-3026 of B.A 3rd Semester Geography Major Examination
2022.**

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CERTIFICATE

This is to certify that the field report entitled on "*Socio-economic Structure of Mauriapara Village Under Dighali Gaonpanchayat, Rangjuli Tribal Development Block, Goalpara*" submitted in partial fulfilment of GGY-HC-3026 of the award of the Under Graduates (UG) 3RD SEM in Geography in the academic year 2022-23, is a record of bonafide work carried out by

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B.A. 3rd Semester

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CHAPTER-1 : INTRODUCTION

1.1: Statement of the problems:-

Socioeconomic is the position of an individual or a group on the socioeconomic scale, which is determined by a combination of social and economic factors such as income, kind of education, type and prestige of occupation, place of residence or parts of society-ethnic origin or religious background.

The socioeconomic structure can influence how an individual interacts with his or her environment and the health implications of that interaction. Socio-economic structure determine the rate of structural learning, affect institutional performance economic status.

The fundamental problem in socioeconomic structure is with the issue with scarcity of resources. Socioeconomic has also pointed out that man's need cannot be fulfilled, scarcity implies a limited quantity of resources. During the study of our area we have found many socioeconomic problems in regarding to the educational sector where people in this village are less educated and pay less importance on education including the roads in this village are not proper developed which leads many problems for the villagers for the transportation and communication. We have also found that the village doesn't has any health services and other services. Considering there problems.

The main motive of our study is to bringout the various economic problems of the area and to examine the socioeconomic structure of the area.

1.2: Objective of the Study :-

- (i) To examine the socio-economic structure of the study area.
- (ii) To bringout the various economics problems of the area.
- (iii) To suggest various measures for the development of socio-economic structure of the study area.

1.3: Methodology :-

Pre-field work — Before going to field work literature review has been done related to the topic of interest. Data related to socio-economic aspects were gathered from secondary source of data.

Field work — Primary data were collected from many households according to the questionair. The households survey was done on the basic of simple Random sampling.

Post field work — This includes the analysis of the data by mathematical calculation as well as analysis of data and deserve special attention at the researchen of the data, they are pre presented diagram matically and

analytically where even possible on the final paper. Data were compiled and tabulated systematically and various statistical diagrams were prepared.

1.4: Significance of the study:

The area study of a region ~~area~~ or an area in respect of socio-economic structure has much importance for social scientist like geographers.

As a remote area the village are always neglected from the point of this education, health, economy, transport and communication etc. So, a socio-economic study of a population has much importance in respect of age sex composition literacy variation, levels of education, marital status, growth rate etc along with the standard of living and religious and caste composition.

CHAPTER-2: GEOGRAPHICAL BACKGROUND OF THE STUDY AREA

2.1: Location

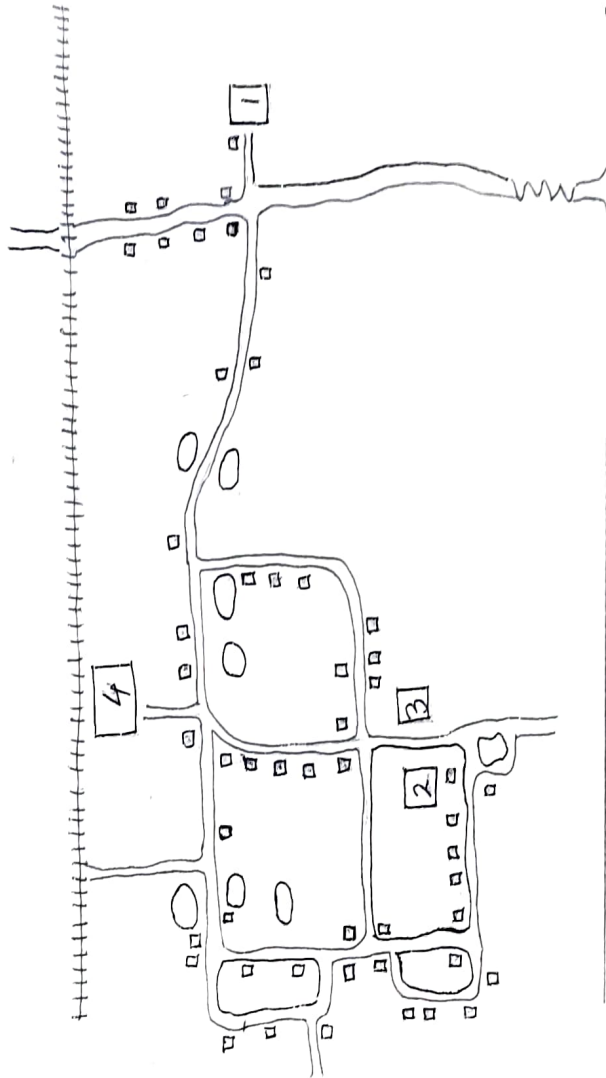
Mauriapara area is situated on the north-eastern part of Dhyupdhara which falls under Dighali gram panchayat under Ramjuli Tribal Development Block in the Goalpara district. The geographical location of the area is between $25^{\circ}58'46.5''$ North latitude and $91^{\circ}03'03.2''$ East longitude.

2.2: Physiography :-

Mauriapara is the eastern plain area of Goalpara district. Physiographically the study area of Mauriapara is characterized by an almost flat plain. It has an average elevation of 35 metres or 144 feet. The Petavokla and Mariki river flows Southward to Northward near the village and most land of the village are used in agricultural field. It is plain area still some small hills are also found near the village. Ambari hill is one of the hills. In this area some mixed forest is also seen.

MAP OF MAURIAPARA

TO NAGARBEKA

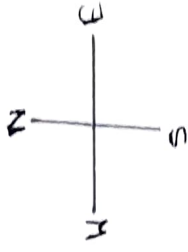


TO MASLAM

← TO GOAL PARA

← 17 NO NATIONAL HIGHWAY

→ TO GUWARHATI



1 TEMPLE

2 SCHOOL

3 PLAYGROUND

4 RAILWAY STATION

POUND

2.3: Drainage :-

The Petabhokla river flows through the Mauriapara village. It is situated in the eastern part of Dhubdhara. The origin of the river is from Meghalaya. The water of the river is unclean because of the people that lives near the river. Most of the people of the area come for fishing in the river in summer season.

2.4: Climate :-

The climate in Mauriapara is moderate during the winter and in summer, it is hot. Rain makes its first appearance in the month of April with occasional and irregular light showers and at times, heavy down pour is followed by cyclonic storm. This irregular rainfall continues up to the end of May it occurs to the influence of Northeaster wind. Monsoon rain normally begins from the early part of the month of June and heavy rain occurs in the district till the month of September. The maximum temperature is 33 degree celsius during July and August, a minimum temperature falls up to 21 degree celsius in the month of January.

2.5: Soil :-

Soil consist of mechanical mixture and chemical components of the materials found on the surface

of the earth. It is an important resource. The soil of Mauriapara area are alluvial soil, laterite soil, black soil etc.

▣ The alluvial soil that composes this part may be divided into two groups—

- ① The old alluvial and
- ② New alluvial.

The old alluvial soil occupies the higher ground than the new alluvial.

2.6: Flora and fauna :-

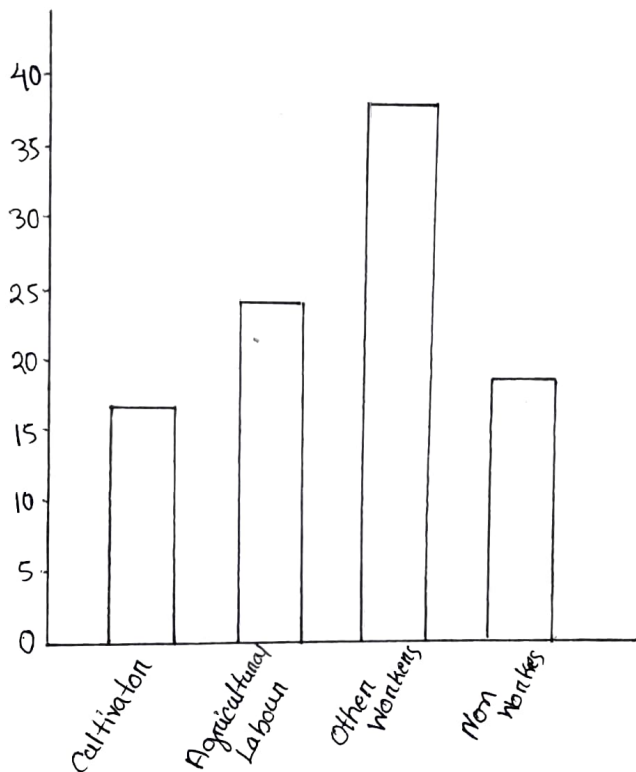
Flora and fauna are very important for a region for its development. The most of the area of the village is situated suitable for Rabi and Kharif cultivation, bamboo, teak and gasses are found in the area. There are also some small forest area found. People in this village make farms for Pigs, Cows, goats, and ducks including the village has many ponds where different types of fishes are found.

CHAPTER-3 : SOCIO-ECONOMIC STATUS OF PEOPLE

3.1: Occupation of the villagers

Cultivator	Agricultural Labour	Other Workers	Non Workers
16 16.6%	24 25%	38 39.6%	18 18.8%

Mauriapara
Occupational Structure
Bar Graph



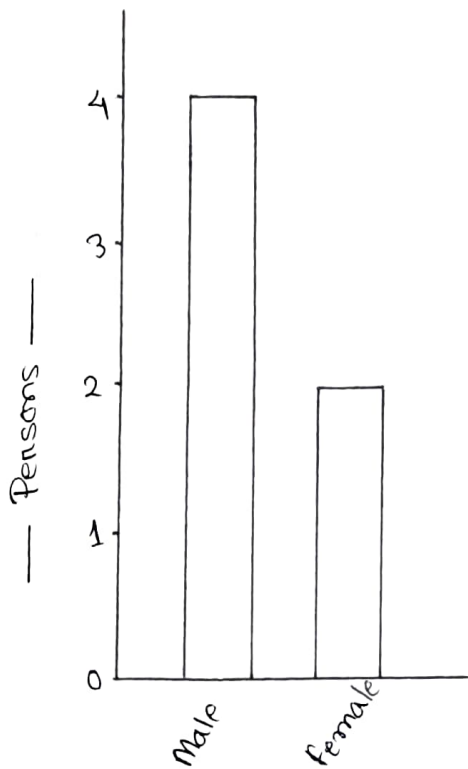
Source : Field Study

Occupation in Mauriapara village reflects the bias of the socio-economic culture. The main occupation of the villagers are agriculture, farming almost 25% of the people at this village are engaged in agriculture, 39.6% of the people are engaged in secondary activities like Business, Shopkeepers and factory workers and 18.8% of the people are not engaged in any kind of activities.

3.2: Demographic Structure :

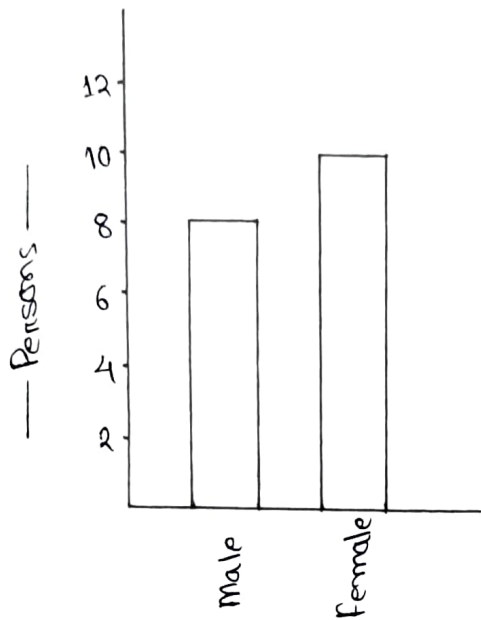
Total Population Surveyed			SC			ST		
Person	Male	Female	Person	Male	Female	Person	Male	Female
96	47	49	6	4	2	18	8	10

Mauriapara
SC Population Structure



Source : Field Study

Mauriapara
ST Population Structure.

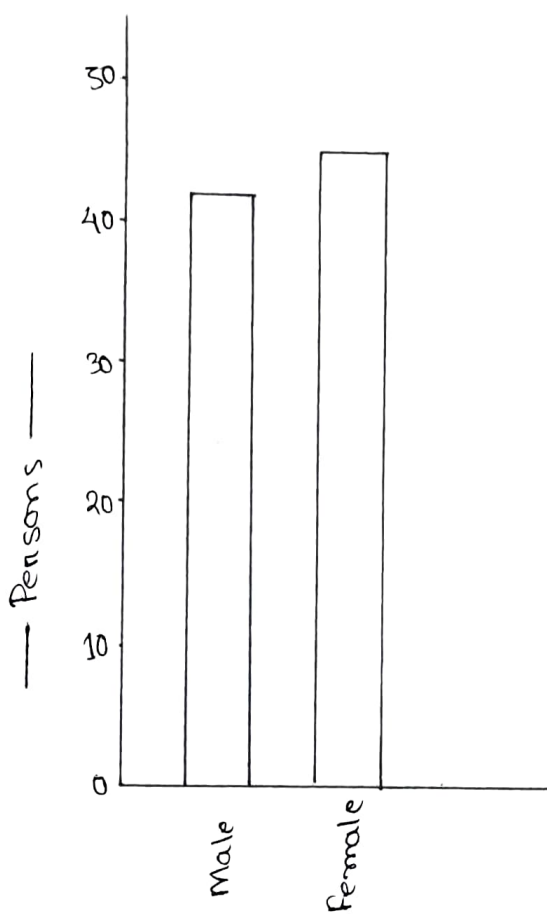


Source :- Field Study

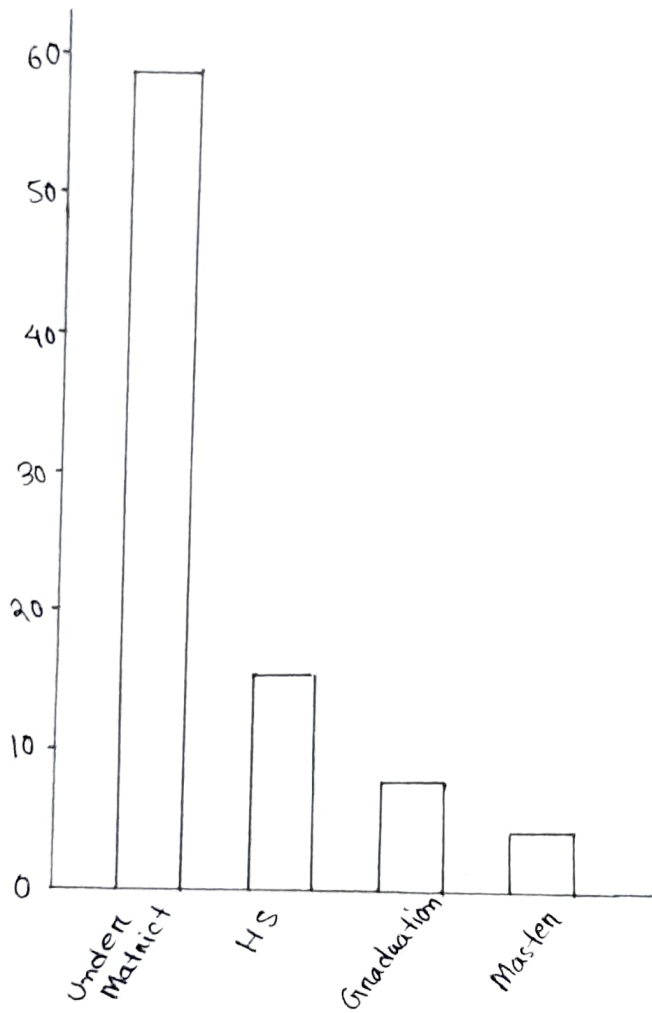
Total population of surveyed in Mauriapara village 96. Male 47 and Female 49. SC total 6, Male 4 and Female 2. ST total 18 male 8, Female 10.

3.3: Educational Structure :-

Persons	Male	Female
87	42	45



Under matric	HS	Graduation	Master
59	15	8	4

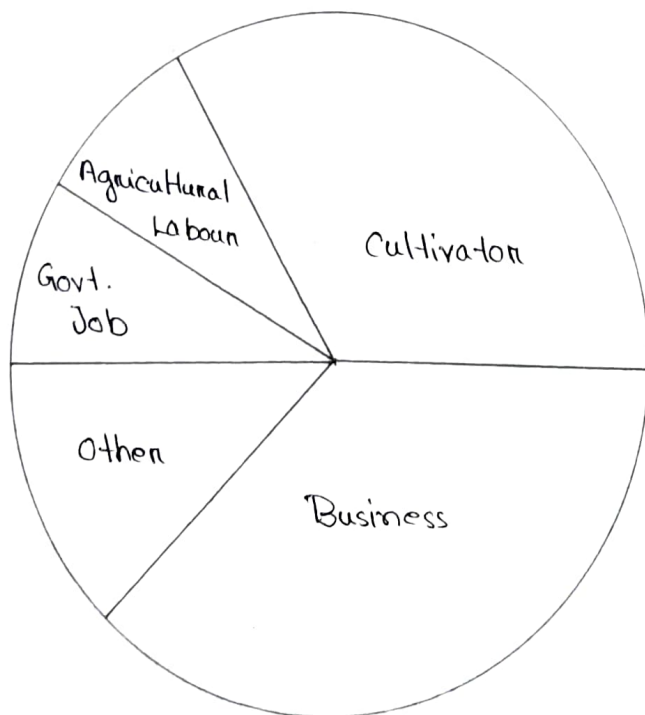


Source :- Field Study

For the development of human resource education is the vital factor. The total number of literate person in the village is 87 including 42 males and 45 females which is shown above in the bar graph in which there are 59 Under matric persons, 15 HS, 8 graduation and 4 master degree persons this is also shown above in the bar graph.

3.4: Source of income :-

Occupation	Govt. Job	Agricultural Labour	Cultivator	Business	Other
Person (Head of the house)	2	2	8	9	3
Person (in degree)	30°	30°	120°	135°	45°



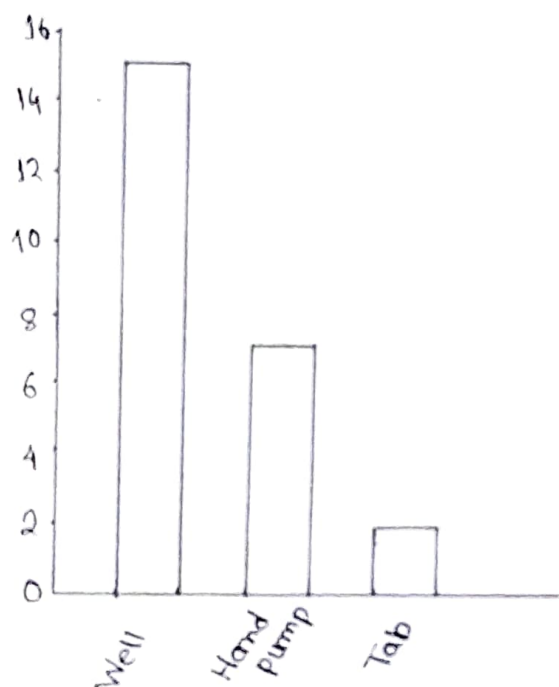
Source :- Field Study

The people of Mauriapara village have many sources of income but most of the people of the village make their income from business. They make a living by doing small- large business. The second source of income is cultivation. Agricultural activities are the common source of income. In the village only a few people make their income from government jobs and other services.

3.5: Availability of basic amenities :-

3.5.1: Source of drinking water :-

Well	Hand Pump	Tab
15	7	2



Source of Field Study

People in Mauriapara village have many sources of drinking water like 15 families have well, 7 families with handpump and 2 families with tab sources of drinking water which is shown in the above bar graph diagram.

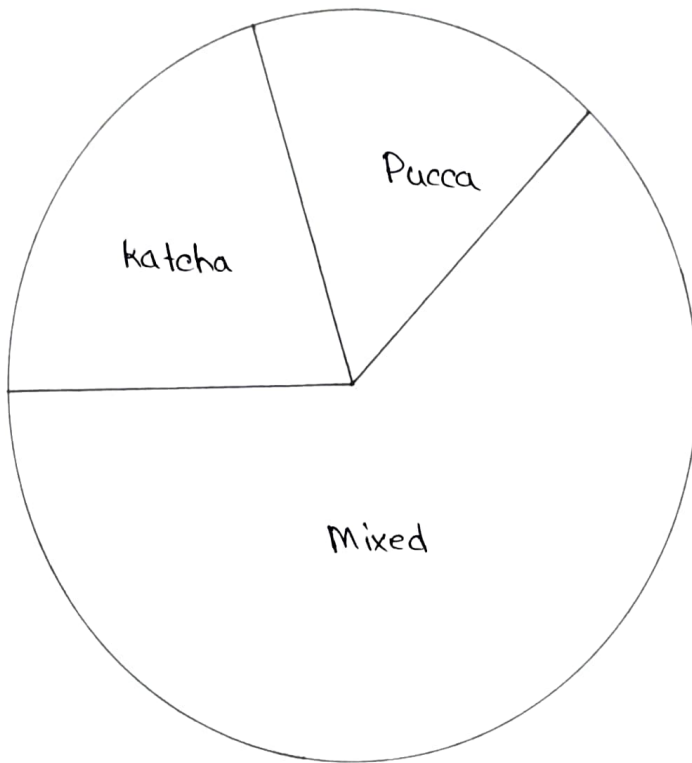
3.5.2: Transport and Communication :-

Transport:- The major mode of transportation of the villagers of Mauaiapara village are through roads in which people uses motor cycles, cars and other goods carrying vehicles as the roads are not well developed in the village people suffer many problems during the rainy season which affects the transportation system. The village also includes a railway station which is very helpful for the villagers and for people of other villages situated near Mauaiapara village.

Communication :- Communication of the people of Mauaiapara village with other neighbouring villages and towns are quiet well as the villagers are developed in using mobile phones which is a great means of communication with others.

3.5.3: House type :-

Types of house	Katcha	Pucca	Mixed
Number of house	5	4	15
House in degree	75°	60°	225°



Source :- Field Study

Mauriapara village includes different types of houses including 5 katcha house, 4 puera and 15 mixed houses. This house types are shown above in the pie diagram.

CHAPTER-4: SUMMARY And CONCLUSION

The study villages is one of the most backward area of the villages of the Goalpara district. The literacy rate is lower, infrastructural facilities are poor and secondary sector of occupation are yet to get importance in this area, which brings about depressed condition of area. Hence the economic development process of the villages under study.

The people generally live in the primary sources of agriculture, labour, etc. The agriculture itself has remain dominant at subsistence level. Change in the economy needs a dramatic change in basic socio-economic aspects.

Cumulative efforts towards recognised agriculture and availability are considered to be the recognised to be the immediate need of the people. The region has got several industries besides, fishing, poultry, bee keeping, farming etc. may also be encourage in the village. If crops pattern is change and farmer are encouraged to develop lands in variable land intensive agriculture is the only solution for economic betterment of rural masses. In doing so extensive service and training facilities are highly necessary.

Steps should be made to provide training facilities for fishing development of dairy farming, piggery, poultry development etc. are necessary in this regards.

Following few measures for the development of the village may be undertaken :-

- (i) Spread of agricultural extensive through the block head quarter.
- (ii) Training facilities for tertiary activities.
- (iii) Winter irrigational facilities.
- (iv) Intensification of agriculture and introduction of high yielding varieties seeds, especially of the paddy crops.
- (v) Development of road communication and effective flood control measure in this flood prone area.
- (vi) Extension of power ~~supply~~ supply lines to the rural area and adopting of liberal licensing policy for the mini rice milles and power loom etc.

If the efforts are made as suggested the back warded rural area is expected to change its socio-economic milieu at a much faster rate in the place of development.