

SOCIAL STUDIES

Class X

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Letter to students

“Dear Young Friends,

Most of you are growing up in the 21st Century and soon will be old enough to take up a profession and participate fully in public matters like voting in the elections. It is time you tried to understand the ideas, processes and systems which determine life in our times. These were shaped by people through very hard struggles, sacrifices and great acts of cooperative action. As the next century unfolds it will be your turn to shape our future in similar manner. We hope this book will help you to a small extent by going over with you how the people of the last century shaped their ideas, processes and systems.

Your parents and teachers were witnesses and participants in this. As such they will surely have strong and differing views on many of these matters. While you try to understand the last century you also therefore need to understand why people hold such divergent views on it and come to your own conclusions.

This book is in two parts. The first part deals with Resources Development and Equity and the second part with Contemporary World and India. Under the theme “Resources Development and Equity” we will explore how we have used the land in which we live and how we engage in productive activities. Did we properly use the land and its resources? The way we engaged in productive work and distributed its fruits among different people, was it just and sustainable?

Under the theme “Contemporary World and India” we will explore the impact of major events of the last century. We will not only be studying what happened over the entire world, but also what happened in our own country including the recent past. People act not only because they are moved by different interests but also because they are inspired by different ideas. In the last century ideas like socialism, fascism, nationalism, liberalism greatly influenced the thinking and collective actions of people. We will be studying about some of these too.

Textbooks at school level tend not to discuss contemporary events, policies and politics. This is not because it is too difficult to understand but because opinion about it is sharply divided and it is feared that this will generate conflicts. However, to live in a democratic world, we also need to learn to handle our differences and conflicts rather than avoid talking about them. This book is a bold attempt at initiating our young adults to the world of political debates and differences. It will be successful only if the teachers, students and the political community take it in the right spirit, practice restraint and listen carefully to differing points of view with tolerance and understanding. It may turn out that this book seems to give a particular view point and not represent some other point of view in proper light. This is very difficult to avoid as textbook writers are human and have their own understanding. When such issues come to light it is important for the teachers to present the other view points too before the students and not treat the book as the only or correct source of information. The students too should be encouraged to read current newspapers, magazines etc attend public meetings to get more perspectives on these matters.

This book then should be seen as a starting point of enquiry rather than as the end of it.

Books can only tell you what others thought and did. At the end of it you need to decide for yourself your understanding and what you want to do about the social problems you will be studying. You have the responsibility of both understanding the society and acting to make it better. We only hope that this book will help you in this.

– Editors

ABOUT THIS BOOK

This book is a part of your Social Science Curriculum and a part of various things you would be doing to study the society around you. However, remember that it is only one small part of that curriculum. The Social Science Curriculum requires you to analyse and share in the class room what you know. It requires you above all to ask questions – think why things are the way they are. It also requires you and your friends to go out of the class room to the market, to the village fields, to temples and mosques and museums and find out various things. You will have to meet and discuss with a number of people, farmers, shopkeepers, officials, priests and so on.

This book will introduce you to a range of problems and enable you to study them and arrive at your own understanding of them. So, the most important thing about this book is that it does not have answers. In fact this book is not really complete. It can only be completed when you and your friends and teachers bring their own questions and experiences and discuss everything threadbare in the class. You may disagree with many things in this book - do not be afraid to say so - only give your reasons. Your friends may disagree with you, but try to understand why they have a different view. Finally arrive at your own answers. You may not even be sure of your answer - you may want to find out more before you make up your mind. In that case list your questions carefully and request your friends, teachers or elders to help you to find out.

In this class we will be mainly studying India in the context of the contemporary world. The last hundred years have been years of momentous change in the world as two major World Wars were fought, scores of countries emerged as independent nations, and great experiments were done in order to build just, equitable and democratic world.

India, after its independence pursued policies to harness the natural resources of the country for economic development to eradicate poverty, reduce dependence on other countries for food grains and industrial goods, and generate gainful employment within the country. Equally important, it embarked upon an ambitious project of developing India as the largest democracy in the world – with guarantee of personal liberty and freedom. We will be studying both aspects of India's development – its economy and its polity in this book. Since these issues affect us in our own lives and affect different sections of the society differently, there are bound to be different viewpoints about them. We need to learn in our class rooms how to engage with these different perspectives and understand them with sensitivity. This is necessary to strengthen our democratic fabric.

As you study this book in the classroom, you will come across many questions - do stop and try to answer those questions or do the activity suggested before you proceed ahead. It is not so important to finish the lesson fast as it is to discuss the questions and do the activities.

Many lessons will suggest projects which may take a few days to do. These projects will enable you to develop skills of social science enquiry and analysis and presentation - these are more important than remembering what is written in the lessons.

Please remember that you don't have to memorise what is given in the lesson, but think about them and form your own opinion about them.

**Director, SCERT,
A P, Hyderabad.**

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USING THIS BOOK: NOTE TO THE TEACHER AND STUDENTS

This textbook is not to be seen as the final authority, but has to be discussed, debated and questioned. In fact each chapter in this book provides opportunity for a systematic discussion on some of the main issues relating to a topic. It would be good if the teachers could ensure that the chapters are read out in the class and discussions conducted along the lines suggested.

- **The language of the text:** Efforts have been taken to write the text of this book in child friendly manner. However there are certain terms and jargons that will need explanation and clarification. Text is often trying to give examples that may be suitable to the concept that is discussed. Each chapter has central ideas, these are often provided as subheadings. In a classroom, you may be able to cover 2 or 3 subheadings in a period roughly.
- This textbook uses different style of writing, sometimes they are narratives like Narasimha and Rajeshwari in chapter 3, to make the students understand the difference between both of them with regard to their livelihood and working conditions. These narratives reflect the facts existing in the society. In chapter 9, the students understand the economy of a village by reading the case study of Rampur Village and compare the activities discussed here with their own village economy. There are also some tables, graphs like pie charts, bar graphs in chapters 6, 8, 9, 11 and 12. These are for analysis and discussion so as to come to a conclusion on different issues.

In earlier classes, you have come across natural disasters and a few Acts on Women Protection, a little bit about RTI and RTE. This year you could try to know the role and responsibility of citizens as well as the departments of the government by reading chapter 22 on Right to Information Act.

- **Use of in between questions and end text questions:** You will note that there are questions in between the text. Do not leave out these questions. These are integral to the teaching learning process. These questions are of different types – some of them help you to recap, summarize, evaluating important ideas from the passages that you may have read out. Or they are for collecting more information that is around the concepts discussed in the previous topic or sub-topic. Do not try to dictate the answers to these questions, allow the students to find the answers on their own. Allow them to have discussions amongst each other in trying to figure out the meaning of these questions and talk about possible answers.
- **There are different types of questions used in the book:**
They (i) ask students to write their experiences; (ii) compare their experiences with that of the examples given in the text; (iii) compare two or three different situations given in the textbooks; (iv) are questions that ask students to give their opinion about the situation or case study (when these opinions are asked it need not be the same for all children, allow them to express their opinion) and (v) evaluate a particular situation given in the chapter.

- Teacher may adopt different strategies in using these questions in the classroom. Some questions may be written down in the notebook; others may be discussed in small groups; a few may be written as individual tasks. In all situations it is important to encourage the student to write in her or his own words. Avoid instructing all children to write the answers in same style and structure.
- **There are certain boxes in the chapters.** These are often additional information on the concepts discussed in the chapter. It is important to discuss them in the classroom, and conduct the activities around, but do not include them for your summative evaluation.
- **Images used in the textbooks:** We have also tried to use different styles of images like photographs, line drawings, cartoons and posters etc. These are taken from different historical points of time and from different sources. Hence just as different styles used in textbooks there is diversity in the images too. Many of the pictures have questions along with the captions – these may be discussed in the class as they will help you to draw the attention of students on the significance of images.
- **Maps, tables and graphs:** Maps in these books tell us about geographic, economic, political and historical aspects. They are used to present the information in an interesting manner. You will also find the use of tables and graphs. Reading tables and graphs are essential in Social Studies. These often provide much more clarity in explaining the concepts.
- **Projects:** There are different projects suggested in the book. It may not be possible for all projects to be undertaken. It is important to remember that we cannot teach all aspects of concepts merely by reading textbook. Projects thus enable students to interact with members of the society, collect new information, arrange and present them in their own manner. Making questions for an interview, planning for a visit to the bank, or creating a presentation that could include images, tabulated data or graphs based on the information they collected are also important in acquiring Social Studies skills. These encourage children to work together in groups and conduct exchange and share ideas.

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ACADEMIC STANDARDS

Time should be spent in making sure that children comprehend the passages given in text. In between questions are useful in this context. These questions are of different types that would include the aspects reasoning, cause and effect, justification, mind mapping / concept mapping, observation, analysis, thinking and imagination, reflection, interpreting etc. The key concepts have been discussed subconceptwise in every chapter with examples and also given in the form of keywords.

- 1) **Conceptual understanding:** Promoting learning of basic concepts through inquiry, discussion, reflection giving examples through case studies interpreting, observation etc.
- 2) **Reading the text (given), understanding and interpretation :** Occasionally there are case studies about farmers, labourers in factory, or images that are used in text which do not directly convey the concept. Time should be given for children to grasp the main ideas, interpret images etc.
- 3) **Information skills:** Textbooks alone cannot cover all different aspects of social studies methodology. For example children living in an urban area can collect information regarding their elected representatives or children living in the rural area can collect information about the way irrigation / tank facilities are made available in their area. These information may not exactly match with that of the textbooks and will have to be clarified. Representing the information that they have collected through projects are also an important ability. For example if they collect information about a tank – they may decide to draw an illustration or map etc along with written material. Or represent the information collected through images or posters. Information skill includes, collection of informatic tabulation / records and analysis.
- 4) **Reflection on contemporary issues and questioning:** Students need to be encouraged to compare their living conditions along with that of different regions or people from different times. There may not be a single answer to these situations of comparison. Giving reasons for certain happening process and justification of informatic and interpretative.
- 5) **Mapping skills:** There are different types of maps and pictures used in the textbook. Developing ability related to maps as abstract representation of places are important. There are different stages of developing this ability, from creating a map of their classroom to understanding height, distance as represented in a map. There are illustrations, posters and photographs used in the textbook, these images often relate to the text and are not merely for visual effect. Sometimes there are activities like write a caption or read the images that are about architecture etc.
- 6) **Appreciation and Sensitivity:** Our country has vast diversity in terms of language, culture, caste, religion, gender etc. Social studies does take into consideration these different aspects and encourages students to be sensitive to these differences.

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Note: The above given periods and Months are tentative. Considerable changes can be made, if necessary.

OUR NATIONAL ANTHEM

- Rabindranath Tagore

Jana gana mana adhinayaka Jaya he
Bharatha bhagya-vidhata
Punjab Sindh Gujaratha Maratha
Dravida Utkala Banga.
Vindhya Himachala Yamuna Ganga
Uchchala Jaladhi taranga,
Tava shubha name jage
Tava shubha asisha mage
Gahe tava jaya gatha
Jana gana mangala-dayaka jaya he,
Bharatha bhagya –vidhatha,
Jaya he, jaya he, jaya he,
Jaya jaya jaya jaya he

PLEDGE

“India is my country; all Indians are my brothers and sisters.
I love my country, and I am proud of its rich and varied heritage.

I shall always strive to be worthy of it.

I shall give my parents, teachers and all elders respect,
and treat everyone with courtesy. I shall be kind to animals.

To my country and my people, I pledge my devotion.

In their well-being and prosperity alone lies my happiness.”

PREAMBLE OF THE CONSTITUTION

WE, THE PEOPLE OF INDIA, having Solemnly resolved to constitute India into a SOVEREIGN, SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC and to secure to all its citizens:

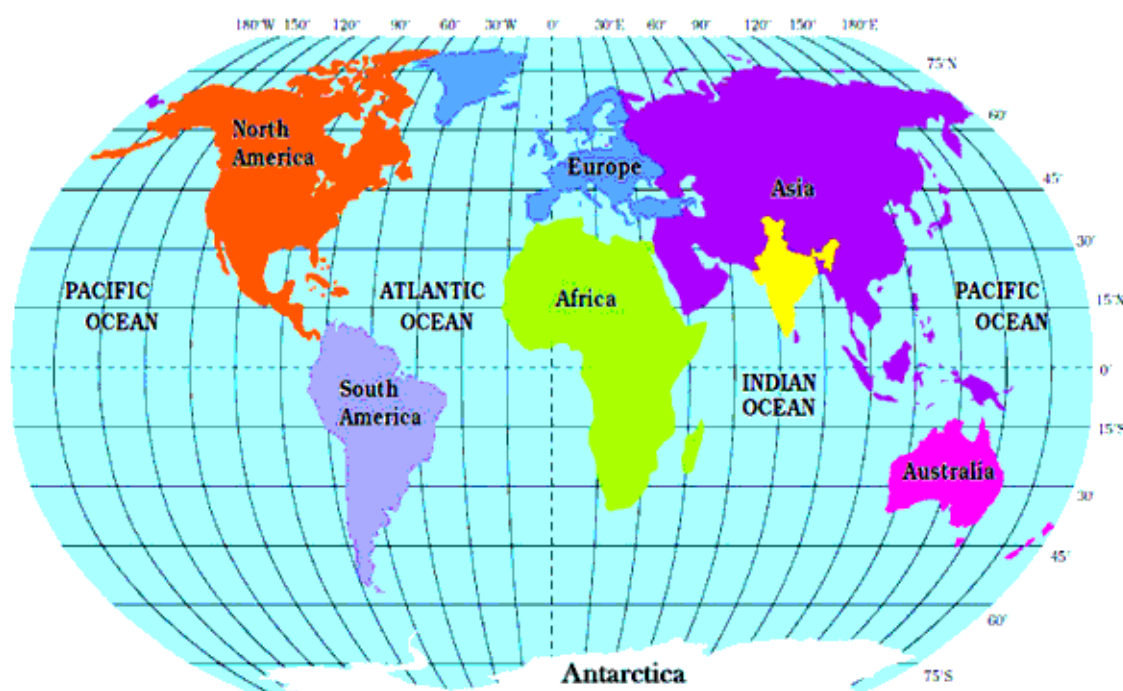
JUSTICE, Social, economic and political; LIBERTY of thought, expression, belief, faith and worship; EQUALITY of status and of opportunity; And to promote among them all FRATERNITY assuring the dignity of the individual and the unity and integrity of the nation;

IN OUR CONSTITUENT ASSEMBLY This twenty-sixth day of November, 1949, do HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.



India - Relief Features

In this chapter we shall study about relief features of India. In the subsequent chapters such as Climate in India; Rivers and Water Resources; The People etc we would be examining the linkages with relief features. These features are a reference point that we would need to return often during the course of this book. What are the relief features of Andhra Pradesh that you have read about in earlier classes? Explain with the help of a wall map or your atlas. As you study further use the atlas, wall maps & raised relief maps that are in the school.



Map 1: Location of India in the World

Location

- Look at the world map above, and write a few lines about India's location with reference to the places marked on this map.
- The lines of latitude and longitude are used for accurately specifying location of any place or region. Use the atlas and correct the following statement:

“India is a very extensive country and lies totally in the southern Hemisphere of the globe. The country’s mainland lies between 8 degree N and 50 degree N longitude and 68 degree S and 9 degree E latitude.”

- Why do we often use the term “Indian peninsula”?
- Examine the map 1.1 above and imagine that India is located in the Arctic Circle. How your life would be different?
- Identify Indira point on the atlas. What is special about this?
- Andhra Pradesh lies betweenandN latitudes, and and E longitudes.
- Using the scale given in your atlas estimate the length of the coast line for Andhra Pradesh.

The geographical location of India provides its vast diversity in climatic conditions. This has led to a variety of vegetation and life forms along with advantages for growing many kinds of crops. Its long coast line and location in the Indian Ocean enabled trade routes as well as fishing.

In class IX you had read about longitudes and question of time and travel. From your atlas examine the Indian longitudinal extension. For India the central longitude 82°30` E is taken as Standard Meridian which passes near Allahabad. This is the reference for Indian Standard Time (IST) and this is 5½ hours ahead of Greenwich Mean Time (GMT).

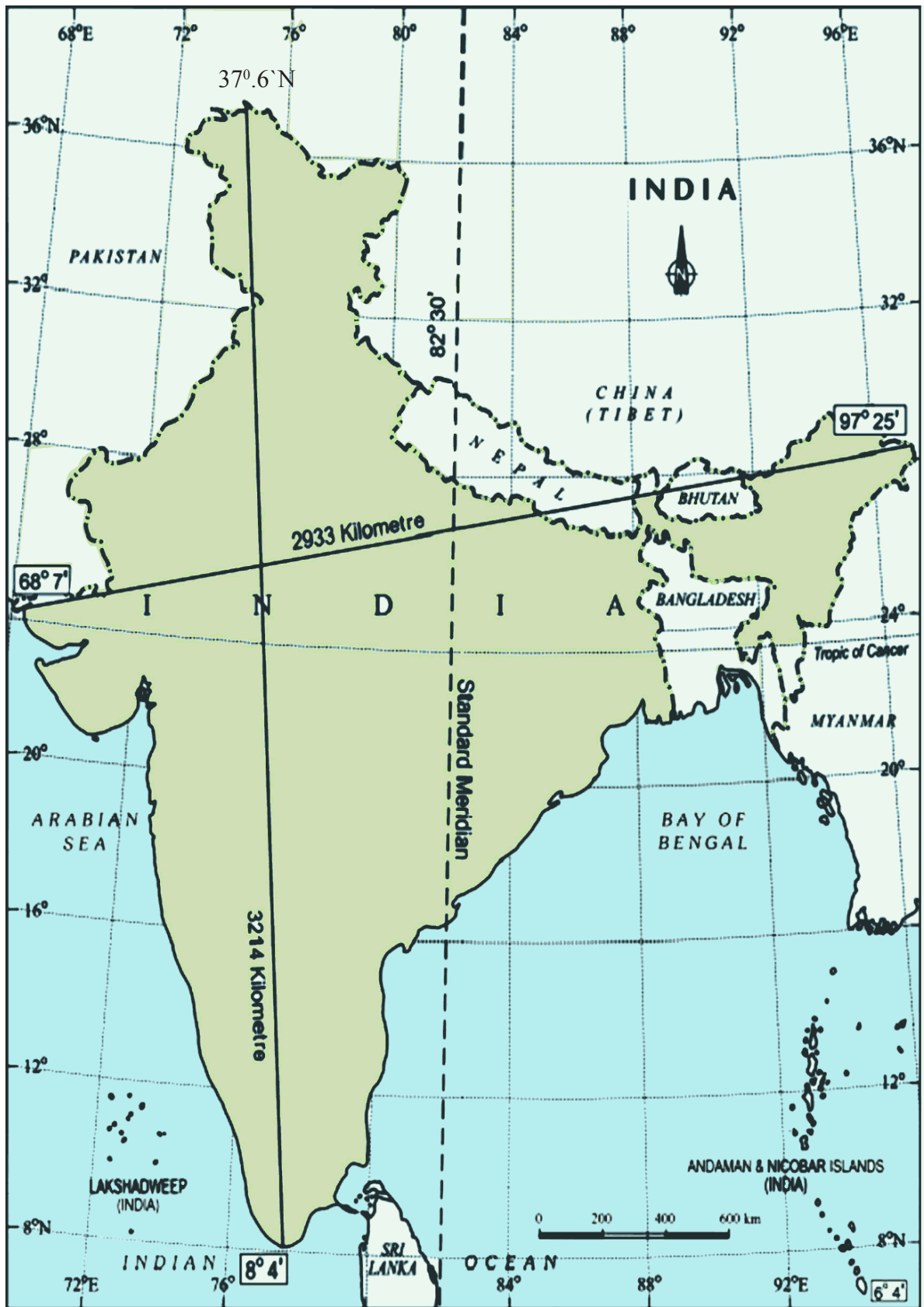
- Look at the map 2
Trace the boundary for India and colour this.
With the help of the scale given on the map, find out the total land boundary that India shares with Bangladesh.

Which of these data are for rising and setting times for the Sun at Ahmedabad and Imphal. Explain your reason.

Date	Location _____		Location _____	
	Sunrise	Sunset	Sunrise	Sunset
5 Jan	05:59	16:37	07:20	18:05



Fig.1.1: View of Himalaya’s from Tibetan Plateau. Notice the absence of trees



Map 2 : India – north-south, east-west extent and standard meridian

Geological background

Re-read movement of the Earth's crust from the class IX book. Indian landmass as part of Gondwana land originated due to geological formations and several other processes like weathering, erosion and deposition. These processes, over millions of years, have created and modified the physical features as they appear to us today.

World land forms originated from two giant lands namely Angara land (Laurasia) and Gondwana land. The Indian peninsula was part of Gondwana land. Over 200 million years ago Gondwana land split into pieces and the peninsular Indian plate moved towards North-East and collided the much larger Eurasian Plate (Angara land). Owing to the collision and immense compression force mountains evolved through a folding process over millions of years. The present form of the Himalayas is a result of this process.

The breaking off from the northern corners of the peninsular plateau led to the formation of a large Basin. In course of time, this basin slowly got filled with sediments deposited by the Himalayan rivers from north and peninsular rivers from south. This created the very extensive, flat northern plains of India. The Indian landmass displays great relief variations. The peninsular plateau is one of the most ancient land blocks on the earth's surface.

- List the Himalayan rivers and the Peninsular rivers that helped the formation of north Indian Plain.
- The formation of Himalayas was _____ million years ago while early hunter-gathering human beings emerged on earth _____ million years ago.

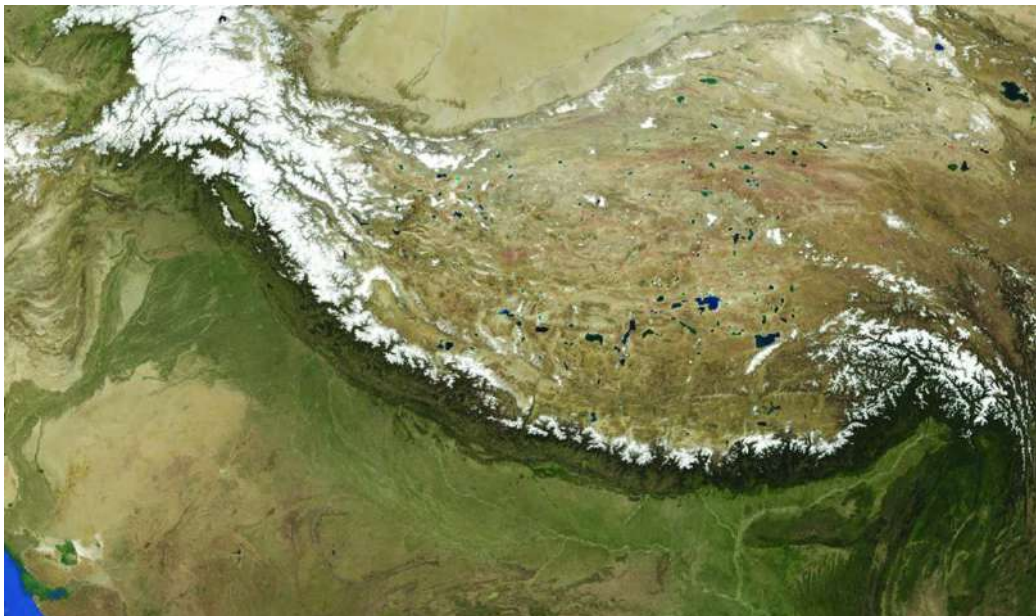


Fig 1.2 : Himalayas, Northern plain, and Thar desert as pictured by satellite

Major Relief divisions

The relief divisions of Indian landmass can be divided into the following groups:

1. The Himalayas
2. The Indo-Gangetic Plain
3. The Peninsular Plateau
4. The Coastal plains
5. The Desert
6. The Islands.

Look at the Map 2 and the raised relief map in your school. Using your finger trace the regions mentioned below:

- Follow the course of Godavari and Krishna to identify the direction of slope of Deccan plateau.
- Describe the entire course of the Brahmaputra River, with reference to landforms, heights, and countries.

The Himalayas

The Himalayan ranges run in the west-east direction in the form of an arch with a distance of about 2400 kms. Their width differs from 500 kms, in the western regions to 200 kms in central and eastern regions. It is broader in western region. There are also altitudinal variations across the regions. The Himalayas comprise three parallel ranges. These ranges are separated with deep valleys and extensive plateaus.

The northern most range is known as Greater Himalayas or Himadri. This range is the most continuous consisting of the highest peaks with an average elevation of about 6100 mts above mean sea level.

Greater Himalayas are composed of snow and ice cover. You find glaciers here. The seasonal cycle of accumulation of ice, movement and melting of glaciers are the sources for the perennial rivers. The portion of range found south of the Greater Himalayas is called “Lesser Himalayas” which has the most rugged relief. These ranges are mainly composed of highly compressed rocks. The height ranges from

- Locate the three ranges in your atlas.
- Locate some of the highest peaks in the raised relief map.

3,700 to 4,500 mts. The Pirpanjal and Mahabharata ranges form the important ranges of this region.

- Trace with your finger on the above regions in the raised relief map and on the wall map.
- Locate the following places on Indian physical map in your atlas: Simla, Mussorie, Nainital and Raniket

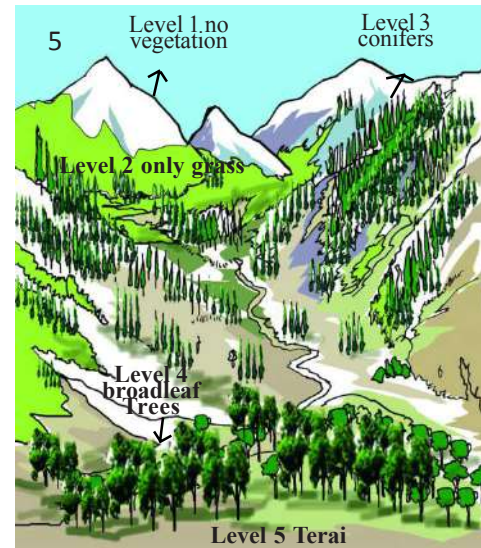
The Lesser Himalaya ranges consist of the famous valley of Kashmir, the Kangra and Kulu in Himachal Pradesh. This region is well known for many hill stations like Simla, Mussorie, Nainital, Raniket etc., and covered by evergreen forests.

Fig 1.3 to 1.6 : Various views of Himalayas from southern (Indian side). Compare these with the views from Tibetan side in Fig 1.1



The diagram below shows some typical vegetation in the Himalayas.

The mountain has been divided into five levels of elevation. Some of the main types of trees are shown here.



- 3) The narrow steep valleys formed in Sikkim.
- 4) Identify terrace farming on Himalays and pebbles on drainage
- 5) Sketch of different levels of vegetation in the Himalayas
- 6) View of the Mawkdok Dympep Valley which is in Meghalaya



The southern most range of the Himalayas are the Shivaliks. Shivaliks extend over a width of 10-50 kms, and have an altitude varying between 900 and 1100 mts. These ranges are called by different names in different regions: Jammu hills in Jammu region; Mishmi hills in Arunachal Pradesh; Cachar in Assam; etc. These parts consist of thick gravel and alluvium. The valleys lying between the Lesser Himalaya and Shivalik ranges are called as Duns - Dehradun, Kotli Dun and Patli Dun are some of the prominent Duns.

The eastern most boundary of the Himalayas is the Brahmaputra valley. In Arunachal Pradesh beyond the Dihang valley, the Himalayas take hair pin bend to the south and act as eastern boundary of India and run through the north eastern states. These divisions are known as 'Purvanchal' and mostly composed of sedimentary sand stones. Regionally the Purvanchal are known as Patkai hills, the Naga hills, Manipuri hills, Khasi and Mizo hills.

- Locate the following ranges in Indian physical map of your Atlas

Hills	State/ states
Purvanchal	
Patkai	
Naga hills	
Manipuri hills	

The formation of the Himalayas influences the climate in various ways. These act as barriers protecting the great plains of India from the cold winds of central Asia during severe winter. The Himalayas are reason for summer rains and monsoon type climate in regions that are beyond the western ghats of India. In its absence this region would have remained drier. The Himalayan Rivers have a perennial flow since these are fed by the glaciers and bring a lot of silt, making these plains very fertile.

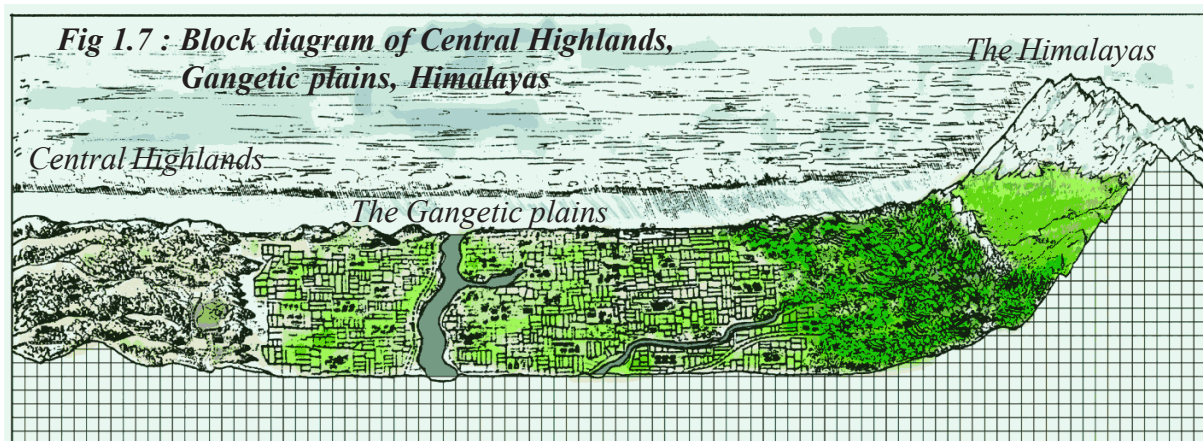
The Indo-Gangetic Plain

The interaction of the three Himalayan rivers, Indus, Ganga and Brahmaputra and their tributaries resulted in the formation of great northern plain. In the beginning (about 20 million years ago) it was a shallow basin that was gradually filled with varied alluvial soil that these rivers brought from the Himalayas.

The Indo-Gangetic Plains broadly consists of three divisions.

1. The Western Part
2. The Central Part
3. The Eastern Part

1) The western part was formed by the Indus and its tributaries, the Jhelum, the Chenab, the Ravi, the Beas and the Sutlej flowing from the Himalayas. Most of the Indus river basin is located in Pakistan leaving minor portion of Punjab and Haryana plains in India. In this region the 'Doab' features dominate the fertile land between the two rivers.



2) The central part is known as the Ganga plain. It extends from the rivers Ghaggar to Teesta. This part is mainly spread in the states of Uttar Pradesh, Bihar and partly in Haryana, Jharkhand and West Bengal. Here the river Ganga, Yamuna and their tributaries Sone, Kosi etc drain.

3) The Eastern part of the plain exists mostly in the Brahmaputra valley of Assom and the river Brahmaputra is mainly responsible for its formation.

The Himalayan rivers while flowing down deposit gravel and pebble sediments in a narrow belt of 8 to 16 kms width found parallel to foot hills of Shivaliks. This feature is known as 'Bhabar'. Bhabar is porous in nature. Small rivers and streams flow underground through Bhabar and reappear in lower areas and form a swampy and marshy region called Terai. The region had thick forest and rich variety of wild life. However, owing to migrations at the time of India's partition, most of the Terai zone has now been cleared and used for agricultural operations. South of the Terai region, fine alluvial plain regions are found.



Fig 1.8 : A Village on the Brahmaputra Valley in Assom

The Peninsular Plateau

The Indian plateau is also known as the peninsular plateau as it is surrounded by the sea on three sides. It is mainly composed of the old crystalline, hard igneous and metamorphic rock. Large amounts of metallic and non metallic mineral resources are found in the Indian plateau. It has broad and shallow valleys with rounded hills. The topography of the plateau is slightly tilted towards east and the Western and Eastern Ghats form the western and eastern edges respectively. The southernmost tip of the plateau is Kanyakumari.

The peninsular plateau consists of two broad divisions namely, the central high lands (Malwa plateau) and the Deccan Plateau. On physical map of India, adjunct to and south of the Gangetic plains and north of the river Narmada you can identify central highlands. Prominent plateaus here are Malwa plateau on the western side and towards the east there is the Chhotanagapur plateau. In comparison to the Gangetic plains the plateau region is dry. The rivers are not perennial. The irrigation for the second crop depends on deep tube wells and tanks. Identify rivers that flow in the Northern side of central high lands. Chhotanagpur plateau is rich mineral resources.

The portion of peninsular plateau lying to the south of Narmada, a triangular landmass, is called the Deccan plateau. Satpura range forms the Deccan plateau's

- Locate the following on the Indian physical map of your atlas and on the raised relief map: Malwa plateau, Bundelkhand, Bhagelkhand, Rajamahar Hills and Chhotanagapur plateau
- Using an atlas compare the relative heights of above plateaus with that of Tibetan plateau

north edge while the Mahadev, the Kaimur range and a portion of Maikal range are the eastern edges. Western Ghats, Eastern Ghats and Nilgiris form western, eastern and southern boundaries respectively.

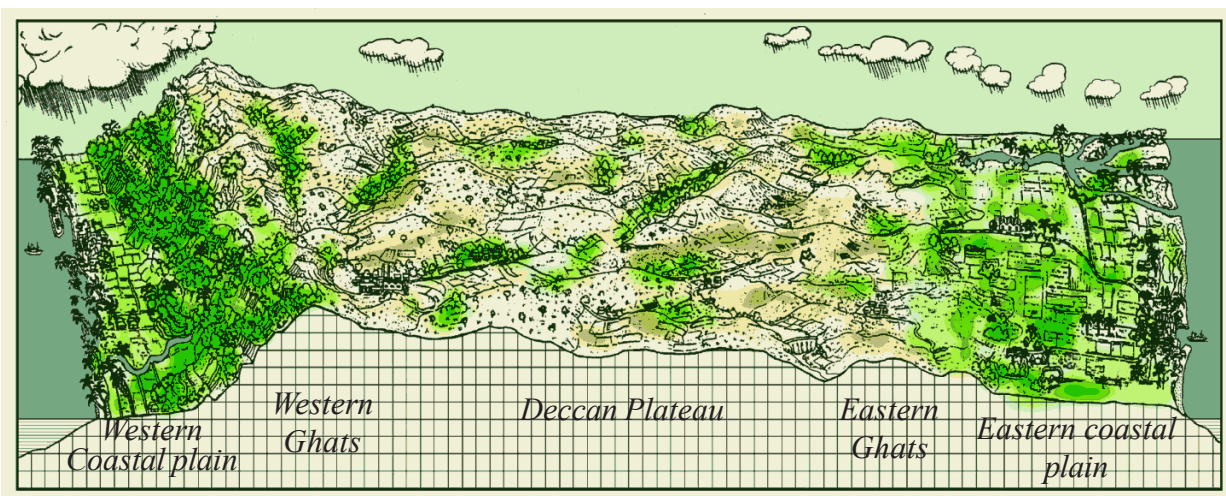
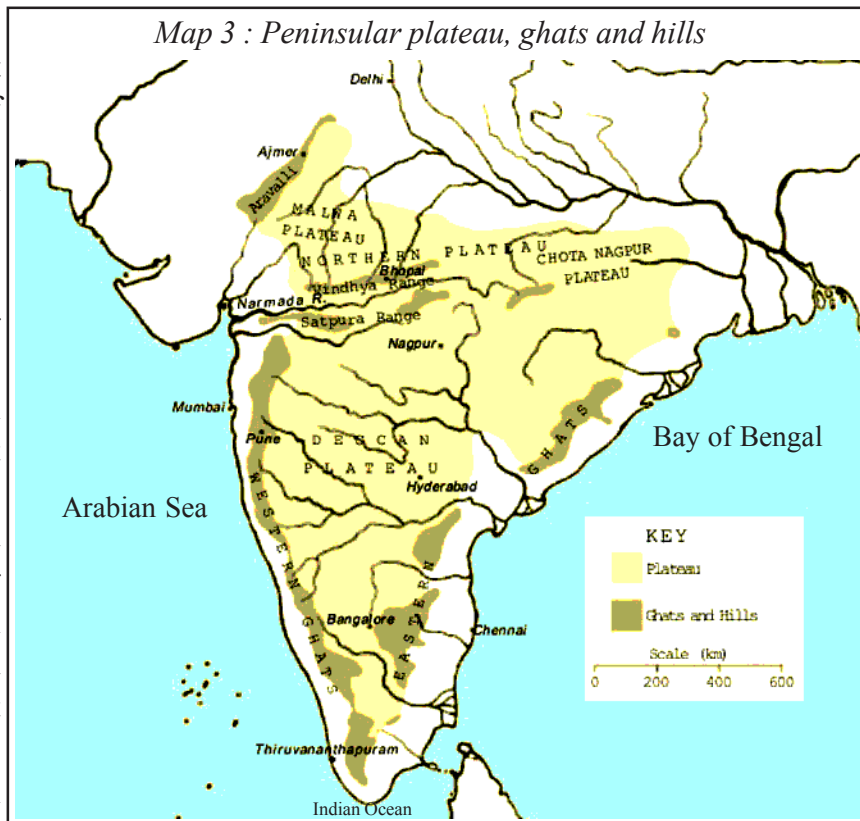


Fig 1.9 : Block diagram of Peninsular plateau

The Western Ghats lie parallel to the west coast. The structure of Western Ghats is continuous with a few passes as the gateways to the coastal plains. The Western Ghats are higher than the Eastern Ghats. Thus, for the Deccan plateau region, west-east slope is seen (Fig 1.9). The Western Ghats extend for 1600 kms. Near Gudalur the Nilgiris join the Western Ghats and they rise to over a height of about 2000 mts. The famous hill station Udagamandalam, popularly



known as Ooty, is located in Nilgiris, Doda Betta (2637 mts) is the highest peak. Western Ghats include the Anaimalai, Palani (Tamilnadu) and Cardamom (Kerala) hills. Anaimudi (2695 mts) of Anaimalai hills is the highest peak in south India.

The Eastern Ghats extend from Mahanadi valley in the north to Nilgiris in the south. However the Eastern Ghats are not continuous. Rivers that originate in Western Ghats like Godavari and Krishna cut across the plateau and join the Bay of Bengal. The average height of the Eastern Ghats rarely exceeds 900 mts. The highest peak in Eastern Ghats is Aroya Konda found at Chinthapalli (1680 mts., in Andhra Pradesh). Nallamalas, Velikondas, Palakondas and Seshachala are some of the hilly tracts of Eastern Ghats. One of the remarkable features of the peninsular plateau is black soils formed due to volcanic activity.

- Look at the raised relief map and compare the relative heights of Western and Eastern Ghats as well as Tibetan plateau and Himalayan peaks.



Fig 1.10 : Annamalai Hills in Western Ghats

The Thar Desert

The Thar Desert is located on the leeward side of Aravalis and receives very low amount of rainfall, ranging from 100 to 150 mm per year. The desert consists of an undulating sandy plain and rocky outcrops. It occupies much of western Rajasthan. It has an arid climate with very low vegetation cover. Streams appear during rainy season and disappear soon after. 'Luni' is the only river in this area. These internal drainage rivers fill into the lakes and don't reach the sea.



Indira Gandhi canal, which is the longest canal in the country (650kms), watering part of Thar desert. Hence several hectares of desert land have been brought under cultivation.

Fig 1.11 : A Settlement in Thar

The Coastal plains

The southern part of the peninsular plateau is bordered by narrow coastal strips along the Arabian Sea on the west and the Bay of Bengal on the east. The western coast starts from the Rann of Kutch and ends at Kanyakumari. It is narrower than east coast. This plain is uneven and broken by hilly terrain. It can be divided into three parts:

- 1) Konkan Coast – this is the northern part. It touches Maharashtra and Goa.
- 2) Canara – this the middle part. It includes coastal plains of Karnataka.
- 3) Malabar coast – this is the southern part, mostly in the state of Kerala.



Fig 1.12 : Sundarban Mangrove

Bay of Bengal plains are wide and have large surface structure. It stretches from Mahanadi in Odisha to Cauvery deltas in Tamil Nadu. These plains are formed by rivers Mahanadi, Godavari, Krishna and Cauvery and are very fertile. These coastal plains are known locally by different names: Utkal coast (Odisha) Sircar coast (Andhra Pradesh) Coramandal cost (Tamil Nadu).

On the physical map of India identify the delta regions. How is their height similar or different? How do they compare in relation to the Indo-Gangetic plains?

Like the Indo-Gangetic plains these deltas too are agriculturally developed. Coastal zone also enables rich fishing resources. Lakes like Chilka in Odisha and Kolleru and Pulicat (Andhra Pradesh) are other important features of the coastal plain.

The Islands



A Nicobar Bird

There are two groups of Islands - Andaman and Nicobar Islands stretched in Bay of Bengal and Lakshadweep Islands in the Arabian Sea. Andaman and Nicobar Islands is an elevated portion of submerged mountain parts running from Myanmar Mountain Arkan Yoma. In Andaman and Nicobar Islands, Narkondam and Barren islands are volcanic origin. The southernmost tip of India is found in Nicobar Island and called as Indira point which was submerged during the 2004 Tsunami. Lakshadweep Islands are of coral origin. Its total geographic area is 32 sq.kms. This group of island is famous for great variety of flora and fauna.

In conclusion it is important to note that there is vast diversity in the landforms in which Indian people live. Some areas are irrigated by the mighty rivers flowing from the Himalayas and some by the rainfed rivers from Western ghats and its forests. Many places are located in the river valleys and others in the mountains.



Fig 1.13 : Coral Reefs

Key words

Perennial	Coral reefs	Coastal plains	Peninsula	Lauraisa	Dun
Angaraland	Gondwana land	Shivalik	Purvanchal	Leeward	

Improve your learning

1. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west. But the Clocks show the same time. How does this happen?
2. If the Himalayas would have not been in its present position how would be the climatic conditions of the Indian sub continent?
3. The Himalayas do not extend into which of the following states:
Madhya Pradesh, Uttar Pradesh, Sikkim, Haryana, Punjab, Uttaranchal
4. Which are the major physiographic divisions of India? Contrast the relief of the Himalayan region with that of the peninsular plateau.
5. What is the influence of the Himalayas on Indian agriculture?
6. Indo- Gangetic plains have high density of population. Find the reasons.
7. On an outline map of India show the following:
 - (i) Mountain and hill ranges – the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravali, and the Cardamom hills.
 - (ii) Peaks – K2, Kanchenjunga, Nanga Parbat and the Anaimudi.
 - (iii) Plateaus - Chotanagapur and Malwa
 - (iv) The Indian Desert, Western Ghats, Lakshadweep Islands
8. Use an atlas and identify the following:
 - (i) The Islands formed due to Volcanic eruption.
 - (ii) The countries constituting Indian Subcontinent.
 - (iii) The states through which the Tropic of Cancer passes.
 - (iv) The northernmost latitude in degrees.
 - (v) The southernmost latitude of the Indian mainland in degrees.
 - (vi) The eastern and the western most longitudes in degrees.
 - (vii) The place situated on the three seas.
 - (viii) The strait separating Sri Lanka from India.
 - (ix) The Union Territories of India.
9. How are the Eastern coastal plains and western coastal plains similar or different ?
10. Plateau regions in India do not support agriculture as much as the plain regions – what are the reasons for this?

Project

Using the raised relief map, and physical maps in your atlas make clay/ sand models of India on the ground. Use different types of sand or soil to mark different types of relief features. Ensure heights of the places are proportional and rivers are marked. Look at the vegetation map in your atlas and try to use leaves and grasses to decorate them. May be over the year you can also add other features of India into them.

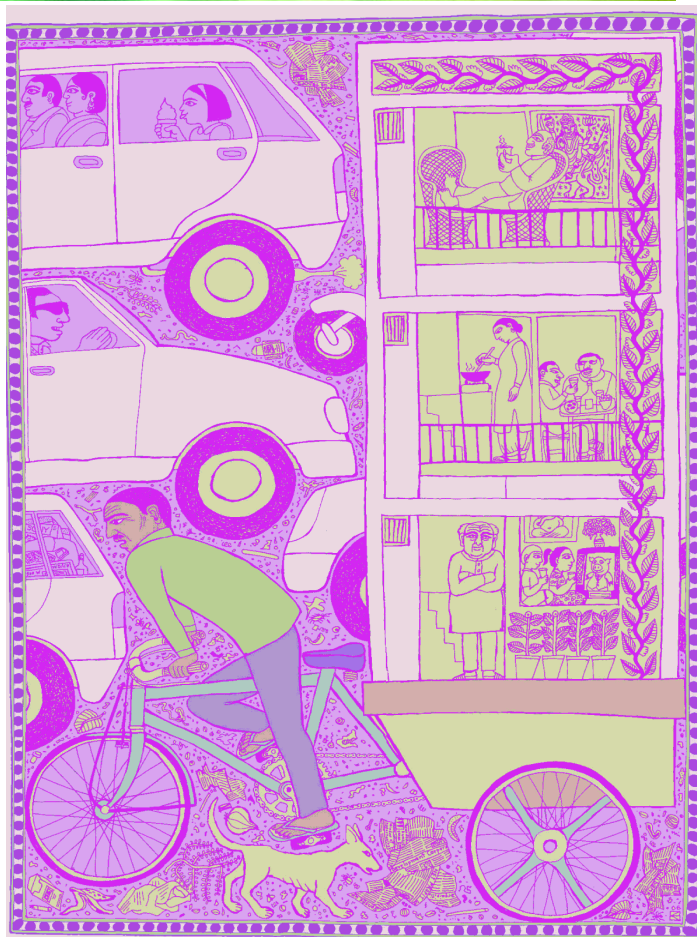
CHAPTER 2

Ideas of Development

We have aspirations about what we would like to do and how we would like to live. Similarly, we have ideas about what a country should be like. What are the essential things that we require? Can life be better for all? Can there be more equality? Development involves thinking about these questions and about the ways in which we can work towards achieving these goals. This is a complex task and in this chapter we shall make a beginning at understanding development.

What Development Promises – Different People, Different Goals

Let us try to imagine what development or progress is likely to mean to different persons listed in Table 1. What are their aspirations? You will find that some columns are partially filled. Try to complete the Table. You can also add any other category of persons.



*Fig 2.1 : Without me they cannot develop;
In this system I cannot develop!*

Table 1 : **Developmental Goals of Different Categories of Persons**

Category of Person	Developmental Goals/ Aspirations
Landless rural labourers	More days of work and better wages; local school is able to provide quality education for their children; there is no social discrimination and they too can become leaders in the village.
Prosperous farmers	Assured high family income through higher support prices for their crops and through hardworking and cheap labourers; they should be able to settle their children abroad.

Farmers who depend only on rain for growing crops.	
A rural woman from a land owning family	
Urban unemployed youth	
A boy from a rich urban family	
A girl from a rich urban family	She gets as much freedom as her brother and is able to decide what she wants to do in life. She would like to be able to pursue her studies abroad.
An Adivasi from mining fields	
Person from fishing community in the coastal area	

Having filled Table 1, let us now examine it. Do all these persons have the same notion of development or progress? Most likely not. Each one of them seeks different things. They seek things that are most important for them, i.e., that which can fulfil their aspirations or desires. In fact, at times, two persons or groups of persons may seek things which are conflicting. A girl expects as much freedom and opportunity as her brother and that he also shares in the household work. Her brother may not like this. Similarly, to get more electricity, industrialists may want more dams. But this may submerge the land and disrupt

the lives of people who are displaced such as the tribals. They might resent this and may just want small check dams or tanks to irrigate their land.



Fig 2.2 : How do we understand development if we think of human history on a time scale? Who is developed? Number

as hunter gatherers (about 200,000 years). Number of years since we began agriculture (12,000 years ago). Number of years since modern Industries (from about 400 years ago)

Whose Development ?

If even the idea of what constitutes development can be varied and conflicting, then certainly there can be differences about ways of developing. The ongoing protest over the Kudankulam Nuclear Power Project in the Tirunelveli district of Tamil Nadu is one such conflict.

The government of India set up the nuclear power plant

in this quiet coastal town of fisher folks. The aim is to generate nuclear power to meet the growing energy needs of the country. The people in the region have protested on the grounds of safety, security and livelihood. A long struggle has ensued. Scientists, environmentalists, social activists who have been critical of the project, have stood by the people. Letters of protests to the government state “You are unable or unwilling to appreciate that in nuclear energy we are confronted not only with an immense power, but also an incredible potential for destruction. We want our coast and country protected from the radioactive peril. Stop the project. Look to renewable energy as an alternative.” The government has responded that the plant has all the safety measures and, despite protests, is going ahead with the project.



Fig 2.3 : Protest at Kudankulam Nuclear Power Project

So, two things are quite clear from the above discussion:

- (1) Different persons can have different developmental goals and
- (2) What may be development for one may not be development for the other. It may even be destructive for the other.

● *Read this newspaper report. ...*

“A vessel dumped 500 tonnes of liquid toxic wastes into open-air dumps in a city and in the surrounding sea. This happened in a city Abidjan in Ivory Coast, a country in Africa. The fumes from the highly toxic waste

caused nausea, skin rashes, fainting, diarrhoea etc. After a month seven persons were dead, twenty in hospital and twenty six thousand treated for symptoms of poisoning. A multinational company

dealing in petroleum and metals contracted a local company of the Ivory Coast to dispose the toxic waste from its ship.”

(Adapted from article by Vaiju Naravane 16 September, 2006, The Hindu)

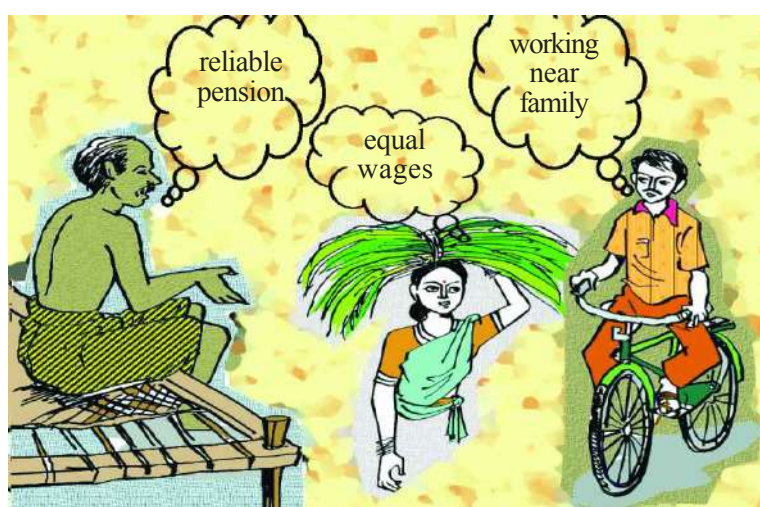
Now answer the following questions:

- Who are the people benefited and who do not?
- What should be the developmental goal for this country?
- What can be some of the developmental goals for your village or town or locality?
- What are the issues of conflict between government and the people living in regions of nuclear power plant?
- Do you know of any such controversy around development projects/policies? Find out the debates on either side.

Income and other Goals

If you go over Table 1 again, you will notice one common thing: what people desire are regular work, better wages, and decent price for their crops or other products that they produce. In other words, they want more income.

Besides seeking more income – one-way or the other, people also seek things like equal treatment, freedom, security, and respect from others. They resent discrimination. All these are important goals. In fact, in some cases, these may be more important than more income or more consumption because material goods are not all that you need to live. Money, or material things that one can buy with it, are one factor on which our life depends. But the quality of our life also depends on non-material things mentioned above. If it is not obvious to you, then just think, of the role of your friends in your life. You may desire their friendship. Similarly there are many things that are not easily measured but they mean a lot to our lives. These are often ignored. Therefore, it will be wrong to conclude that what cannot be measured is not important.



Consider another example. If you get a job in a far off place, you would try to consider many factors, apart from income. This could be facilities for your family, working atmosphere or opportunity to learn. In another case, a job may give you less pay but may offer regular employment that enhances your sense of

security. Another job, however, may offer high pay but no job security and also leave no time for your family. This will reduce your sense of security and freedom.

Similarly, for development, people look at a mix of goals. It is true that if women are engaged in paid work, the family income increases and their dignity in the household and society increases. However, it is also the case that if there is respect for women there would be more sharing of housework and a greater acceptance of women working outside. A safe and secure environment may allow more women to take up a variety of jobs or run a business.

Hence the developmental goals that people have are not only about better income but also about other important things in life.

- Why do different persons have different notions of development? Which of the following explanations is more important and why?
 - a. Because people are different.
 - b. Because life situations of persons are different.
- Do these two statements mean the same thing? Justify your answer.
 - a. People have different developmental goals.
 - b. People have conflicting developmental goals.
- Give some examples where factors other than income are important aspects of our lives.
- Explain some of the important ideas of the above section in your own words.

How to compare Different Countries or States

When we compare different things, they could have similarities as well as differences. Which aspects do we use to compare them? Let us look at students in the class itself. How do we compare different students? They differ in their height, health, talents and interests. The healthiest student may not be the most studious one. The most intelligent student may not be the friendliest one. So, how do we compare students? The criterion we may use depends on the purpose of comparison. We use different criteria to choose a sports team, a debate team, a music team or a team to organise a picnic. Still, if for some purpose, we have to choose the criteria for the all-round progress of children in the class, how do we do it?

Usually we take one or more important characteristics of persons and compare them based on these characteristics. For comparing countries, their income is

considered to be one of the most important attributes. Countries with higher income are more developed than others with less income. This is done on the understanding that more income means more of all things that human beings need. Whatever people like, and should have, they will be able to get with greater income. So, greater income itself is considered to be one important goal.

Now, what is the income of a country? Intuitively, the income of the country is the income of all the residents of the country. This gives us the total income of the country.

However, for comparison between countries total income is not such a useful measure. Since countries have different populations, comparing total income will not tell us what an average person is likely to earn. Are people in one country better off than others in a different country? Hence we compare the average income, which is total income of the country divided by total population. The average income is also called per capita income.

This criterion is used in World Development Report brought out by the World Bank to classify countries. Countries with per capita income of US \$12,600 and above per annum in 2012 are called high income countries or rich countries. Those with per capita income of US \$1,035 or less per annum in 2012 are called low-income countries. Until less than a decade ago, India came in the category of low income countries. Now it falls under the category of middle income countries. As the per capita income in India rose faster than that of many countries, its position is improved. We will read more about growth of incomes of people in India in the next chapter.

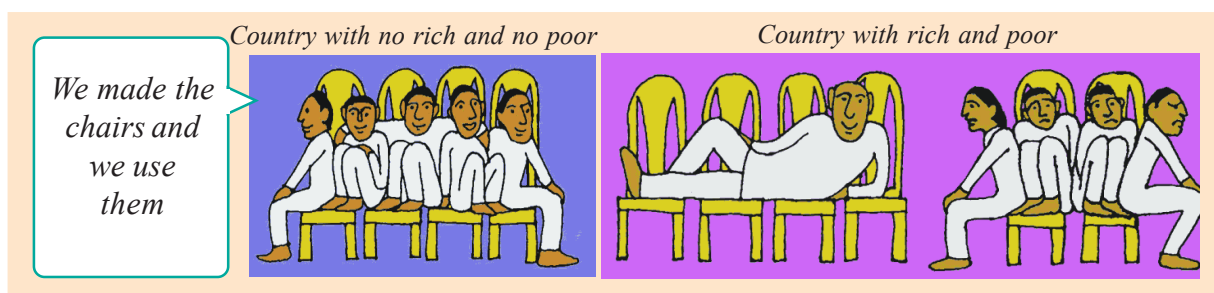
The rich countries, excluding countries of West Asia and certain other small countries are generally called developed countries.

While ‘averages’ are useful for comparison, they also hide disparities.

For example, let us consider two countries, A and B. For the sake of simplicity, we have assumed that they have only five citizens each. Based on data given in Table 2, calculate the average income for both the countries.

Table 2 Comparison of two countries						
Country	Monthly income of citizens in 2001 (in Rupees)					
	I	II	III	IV	V	Average
Country A	9500	10500	9800	10000	10200	
Country B	500	500	500	500	48000	

Will you be equally happy to live in either of these countries? Are both equally developed? Perhaps some of us may like to live in country B if we are assured of being its fifth citizen but if it is a lottery that decides our citizenship number then perhaps most of us will prefer to live in country A. Though both the countries have identical average income, country A is preferred because it has more equitable distribution. In this country people are neither very rich nor extremely poor, while most citizens in country B are poor and one person is extremely rich. Hence while average income is useful for comparison it does not tell us how this income is distributed among people.



- Give three examples where an average is used for comparing situations other than what is given here.
- Why do you think average income is an important criterion for development? Explain.
- Suppose records show that the average income in a country has been increasing over a period. From this, can we conclude that all sections of the economy have become better? Illustrate your answer with an example.
- From the text, find out the per capita income level of middle-income countries as per World Development Report, 2012.
- Write a paragraph on your notion of what India should do, or achieve, to become a developed country.

Income and other criteria

When we looked at individual aspirations and goals, we found that people not only think of better income but also have goals such as security, respect of others, equal treatment, freedom etc in mind. Similarly, when we think of a nation or a region, we may, besides average income, think of other equally important attributes.

Table : 3 **Per Capita Income per annum of Select States**

State	Per Capita Income for 2012 (in rupees)
Punjab	78,000
Himachal Pradesh	74,000
Bihar	25,000

What could these attributes be? Let us examine this through an example. Table 3 gives the per capita income of Punjab, Himachal Pradesh and Bihar. We find that of the three, Punjab has highest per capita income and Bihar is at the bottom. This means that, on an average, a person in Punjab earned Rs.78,000 in one year whereas, on an average, a person in Bihar would earn only around Rs. 25,000. So, if per capita income were to be used as the measure of development, Punjab would be considered the most developed and Bihar the least developed state of the three. Now, let us look at certain other data pertaining to these states given in Table 4.

Table : 4 Some Comparative data of Select States

State	IMR per 1000 (2006)	Literacy rate (%) (2011)	Net Attendance Rate (2006)
Punjab	42	77	76
Himachal Pradesh	36	84	90
Bihar	62	64	56

Terms used in the Table 2.4: **IMR** - Infant Mortality Rate. Out of 1000 live children born, the number of children who die within one year.

Literacy Rate: It measures the percentage of literate population in the 7 and above age group.

Net Attendance Rate: Out of the total number of children in age group 6-17, the percentage of children attending school.

First column of the table shows that in Himachal Pradesh out of 1000 children born alive, 36 died before completing one year of age. In Punjab the proportion of children dying within one year of birth is 42. In Bihar half the children of school going age do not attend school.

Public Facilities

How is it that the average person in Punjab has more income than the average person in Himachal Pradesh but lags behind in these crucial areas? The reason is money in your pocket cannot buy all the goods and services that you may need to live well. So, income by itself is not a completely adequate indicator of material goods and services that citizens are able to use. For example, normally, your money cannot buy you a pollution free environment or ensure that you get unadulterated medicines, unless you can afford to shift to a community that already has all these things. Money may also not be able to protect you from infectious diseases, unless the whole of your community takes preventive steps.

Actually for many of the important things in life the best way, also the cheapest way is to provide these goods and services collectively. Just think: will it be cheaper to have collective security for the whole locality or for each house to have its own security man? What if no one, other than you, in your village or locality is interested in studying? Would you be able to study? Not unless your parents could afford to send you to some private school elsewhere. So you are actually able to study because many other children also want to study and because many people believe that the government should open schools and provide other facilities so that all children have a chance to study. Even now, in many areas, children, particularly girls, are not able to achieve secondary level schooling because government/ society has not provided required facilities.

Some states have lesser Infant Mortality Rate because they have adequate provision of basic health and educational facilities. Similarly, in some states, the Public Distribution System (PDS) functions well. If a PDS shop, i.e. ration shop, does not function properly in such places, the people there are able to get it rectified. Health and nutritional status of people of such states is certainly likely to be better.

- Look at data in Tables 3 and 4. Is Punjab as ahead of Bihar in literacy rate etc. as it is in terms of per capita income?
- Think of other examples where collective provision of goods and services is cheaper than individual provision.
- Does availability of good health and educational facilities depend only on amount of money spent by the government on these facilities? What other factors could be relevant?
- For a family in rural area in Tamil Nadu and Andhra Pradesh in 2009-2010, rice purchased from ration shops account for 53 and 33 per cent respectively. The rest they buy from markets. In West Bengal and Assam, only 11 and 6 per cent of rice is purchased from ration shops. Where would people be better off and why?

Human Development Report

When we realise that even though the level of income is important, it is an inadequate measure of the level of development, we begin to think of other criterion. There could be a long list of such criteria but then it would not be so useful. What we need is a small number of the most important things. Health and education indicators, such as the ones we used in comparison of Kerala and Punjab, are among them. Over the past decade or so, health and education indicators have come to be widely used along with income as a measure of development. For instance, Human Development Report published by United Nations Development Programme (UNDP) compares countries based on the educational levels of the people, their health status and per capita income.

It would be interesting to look at certain relevant data regarding India and its neighbours from Human Development Report 2013.

Table 5 Some data regarding India and its neighbours for 2013

Country	Per Capita Income in \$	Life expectancy at birth (Years)	Average years of schooling	Expected years of schooling	Human Development Index (HDI) rank in the world
Sri Lanka	5170	75.1	9.3	12.7	92
India	3285	65.8	4.4	10.7	136
Pakistan	2566	65.7	4.9	7.3	146
Myanmar	1817	65.7	3.9	9.4	149
Bangladesh	1785	69.2	4.8	8.1	146
Nepal	1137	69.1	3.2	8.9	157

Notes to Table 5

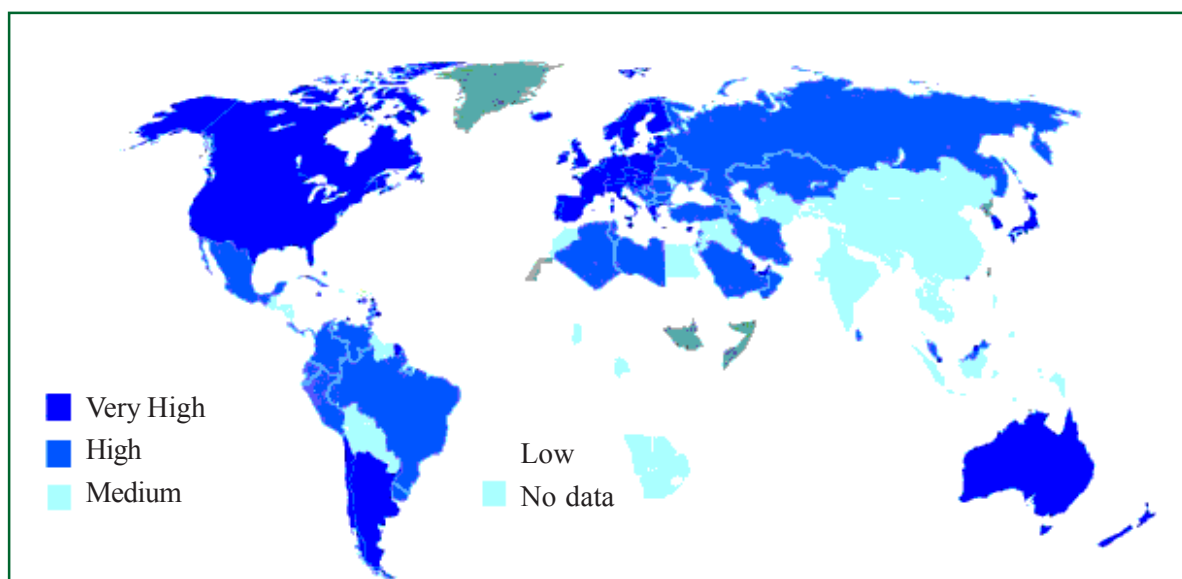
HDI stands for Human Development Index. HDI ranks in above table are out of 177 countries in all.

Life expectancy at birth denotes the average expected length of life of a person at the time of birth.

Average years of schooling: average number of years of education received by people ages 25 and older.

Expected years of schooling: number of years of schooling that a child of school entrance age can expect to receive given the present enrolment rates.

Per capita Income is calculated in US Dollars for all countries so that one can compare. It is also done in a way so that every dollar would buy the same amount of goods and services in any country.



Map 1 : World map showing HD Index. Identify various patterns in different continents.

Isn't it surprising that a small country in our neighbourhood, Sri Lanka, is much ahead of India in every respect and a big country like ours has such a low rank in the world? Table 5 also shows that though Nepal has less than half the per capita income of India, it is not far behind India in educational levels. In terms of life expectancy at birth it is in fact ahead of India.

Many improvements have been suggested in calculating HDI and many new components have been added to the Human Development Report. But, by prefixing "Human" to "Development", it has made it very clear that what is happening to citizens of a country is important in development. People, their health and their well-being are most important.

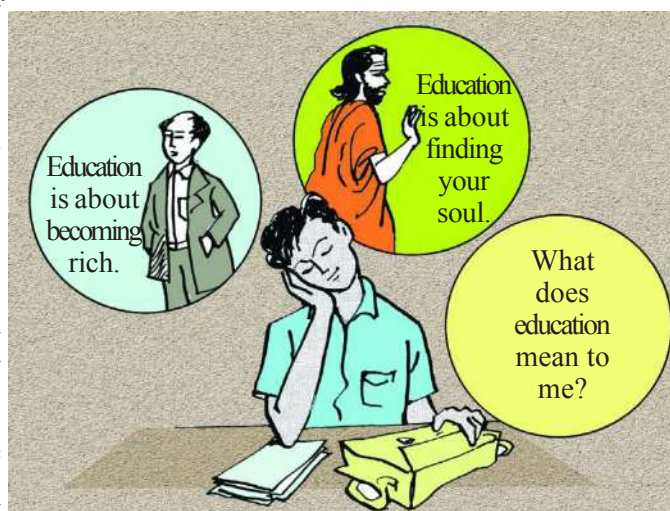
Development as progress over time

Some countries are ahead of others in terms of human development indicators. Similarly, some states have better indicators of human development, though within a state there may be variations. Some districts may be more advanced than others. Remember comparison and ranks have little use by itself. They are only useful, if these indicators can make us think in meaningful ways as to why are some so behind the others. Low performance on any of the human development indicators is a sign that certain aspect of people's lives needs more attention. Alternately, we could ask why are some ahead of others. Say, why are many more children in Himachal Pradesh going to school on an average than in other states (refer to Table 4)?

To answer this, let us look closely at what has come to be called 'the schooling revolution in Himachal Pradesh'. It has some interesting insights to offer, particularly, how so many factors need to come together to make change possible. Development is indeed a complex phenomenon.

At the time of Indian independence, like most other states in India, Himachal Pradesh had very low levels of education. Being a hilly region, with low density of population in many villages, spread of schools particularly to the rural areas appeared as a big challenge. However, both the government of Himachal Pradesh and the people of the state were keen on education. How to translate this aspiration to reality for all the children?

The government started schools and made sure that education was largely free or costs very little for parents. Further, it tried to ensure that these schools had at least the minimum



facilities of teachers, classrooms, toilets, drinking water, etc. As the years went by, these facilities were improved and expanded. More schools were opened and teachers were appointed so that many more children could study easily. Of course, to open schools and run these well, the government had to spend money. Among the Indian states, Himachal Pradesh has the distinction of one of the highest spending from the government budget on education of each child. In year 2005, the average spending on education by the government in Indian states was Rs 1,049 per child, Himachal Pradesh was spending Rs. 2,005 per child!

The high priority on education paid off. In an intensive survey on schooling done in 1996 and repeated in 2006, the surveyors noted:

Students in Himachal Pradesh come to school enthusiastically. An overwhelming proportion of students enjoyed their schooling experience: “The teacher loves us and teaches us well”, said Neha, enrolled in Class 4 in a village in Chamba. Children had dreams of studying till higher classes and aspirations to be policemen, scientists and teachers. The attendance rate was very high in primary classes, but also among older children.

The norm in Himachal Pradesh has come to be at least 10 years of schooling for children.

In many parts of the country, girls’ education is still given less priority by parents compared to boys’ education. While girls may study for a few classes, they may not complete their schooling. A welcome trend in Himachal Pradesh is the lower gender bias. Himachali parents have ambitious educational goals for their girls, just as for their boys. Thus, in the 13-18 age group, a very high percentage of girls are completing class VIII and moving to secondary classes. This doesn’t mean there are no differences in the status of men and women, but the differences are less compared to many other regions, particularly north Indian states.

One may wonder why is the gender bias less. Besides education, this can be seen in other areas as well. Child mortality (children dying within a few years of birth) in Himachal Pradesh is lower for girls than for boys, in contrast to most other states. One major consideration is that many Himachali women are themselves employed outside the home. Women who work outside the homes are economically independent and self-confident. They have greater say in household decisions, including children’s education, health, birth, upkeep, etc. Also, being employed themselves, Himachali mothers expect their daughters to work outside home after marriage. Schooling therefore comes naturally and has become a social norm.

It has been seen that Himachali women have a comparatively high involvement in social life and village politics. Active *mahila mandals* can be found in many villages.

Table 6 compares the progress in school education over time in Himachal Pradesh with the average of the Indian states.

Table 6 : Progress in Himachal Pradesh				
	Himachal Pradesh		India	
	1993	2006	1993	2006
Percentage of Girls (6+ years) with more than 5 years of education	39	60	28	40
Percentage of Boys (6+ years) with more than 5 years of education	57	75	51	57

The comparison across two different years is indicative of development that has happened. Clearly, there has been greater development in schooling and spread of education in Himachal Pradesh than India as a whole. Though there is still a lot of difference in the average levels of education among boys and girls, i.e. across genders, there has been some progress towards greater equality in the recent years.

Summing up

Development entails a mix of goals. Goals and the ways of attaining them may be in conflict. ‘Whose development?’ is an important question one must address while thinking about development.

Income and per capita income, though very often used, is only one aspect of development. Distribution of incomes can be very unequal even when overall incomes rise.

Human development index has tried to expand the notion of development to include the social indicators of health and education. Government provision is the only way of improving health and education status for all. Societies that are more equal have developed faster, when effective public facilities are ensured.

Key words

Per capita Income; Human development; Public facilities; Education and Health indicators

Improve your learning

1. What main criterion is used by the World Bank in classifying different countries? What are the limitations of the above criterion, if any?
2. Usually behind each social phenomenon there would be several contributing factors, and not one. What in your opinion are the factors that came together for the development of schooling in Himachal Pradesh?

3. In what respect is the criterion used by the UNDP for measuring development different from the one used by the World Bank?
4. Do you think there are certain other aspects, other than those discussed in the chapter that should be considered in measuring human development?
5. Why do we use averages? Are there any limitations to their use? Illustrate with your own examples related to development.
6. What lessons can you draw about the importance of income from the fact that Himachal Pradesh with lower per capita income has a better human development ranking than Punjab?
7. Based on the figures in Table 6, fill the following:
 Out of every 100 girls above 6 years of age, _____ girls had studied beyond the primary level in Himachal Pradesh in year 1993. By year 2006, this proportion reached _____ out of 100. For India as a whole, the proportion of boys who had studied beyond primary level was only _____ out of 100 in year 2006.
8. What is the per capita income of Himachal Pradesh? Do you think higher incomes can make it easier for parents to send children to school? Discuss. Why was it necessary for government to run schools in Himachal Pradesh?
9. Why do you think parents accord less priority to girls education as compared to boys? Discuss in class.
10. What is the relationship between women's work outside their homes and gender bias?
11. Right to Education Act, 2009 (RTE) declares that all children of 6 to 14 years age have the right to free education. And the government has to ensure building of sufficient schools in the neighbourhood, appoint properly qualified teachers and make all necessary provisions. In the light of what you have read in this chapter and already know, discuss and debate the importance of this Act for (i) children, and (ii) human development.



Project

Here is an illustration showing different sources of livelihoods. Create a similar illustration and write caption that would describe their notion of development.

GDP growth slumps to 9 year low

India's GDP grew only by 5 per cent in 2012-13. The agriculture growth also moderated, while a slowdown was also witnessed in construction and services Disappointed with the dismal GDP figures, Finance Minister, however, expressed cautious optimism and pointed to some signs of recovery in some select sectors. (*The Hindu*)

You may have come across such news. What is GDP that is being talked about? What relation does it have to the sectors of the Indian economy? Let us try to understand...

Sectors of Economy

You may recall some of the chapters from class VIII and IX, where we discussed how people are engaged in different activities to earn their livelihoods. These activities are broadly categorised into three – 1) agriculture and related activities such as fishing, forestry, mining where nature has a dominant role in the production process; 2) manufacturing processes & other industries, where goods are produced by people using tools or machines; and 3) those activities that don't directly produce a good but provide services that are required in production and other services for people.

To recall these differences:

- Classify the following list of occupations under agriculture, industry and service sectors. Give reasons for your classification:

Occupation	Classification
Tailor	
Basket weaver	
Flower cultivator	
Milk vendor	
Fishermen	
Priest	
Courier	

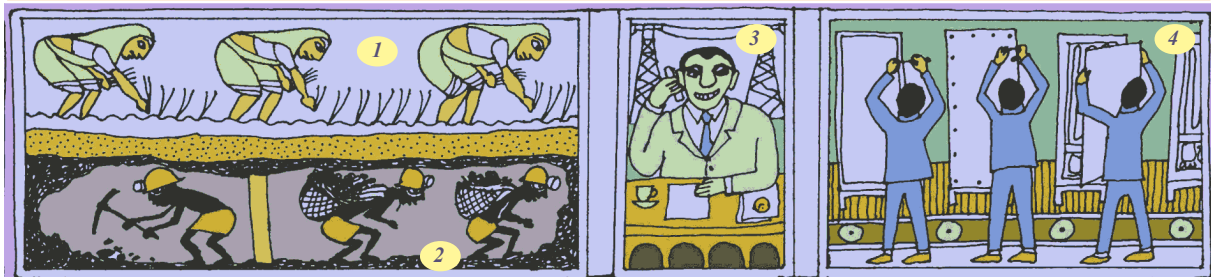
Workers in match factory	
Money lender	
Gardener	
Potter	
Bee-keeper	
Astronaut	
Call centre employee	

- The following table shows the percentage of workers employed in different sectors in India in 1972-73 and in 2009-10, i.e. after 37 years.

Year	Agriculture	Industry	Services
1972-73	74%	11%	15%
2009-10	53%	22%	25%

- What are the major changes that you observe from the above table?
- From what you have read before, discuss what could be some of the reasons for these changes.

Observe the Pictures and mention the sector which they belong to :

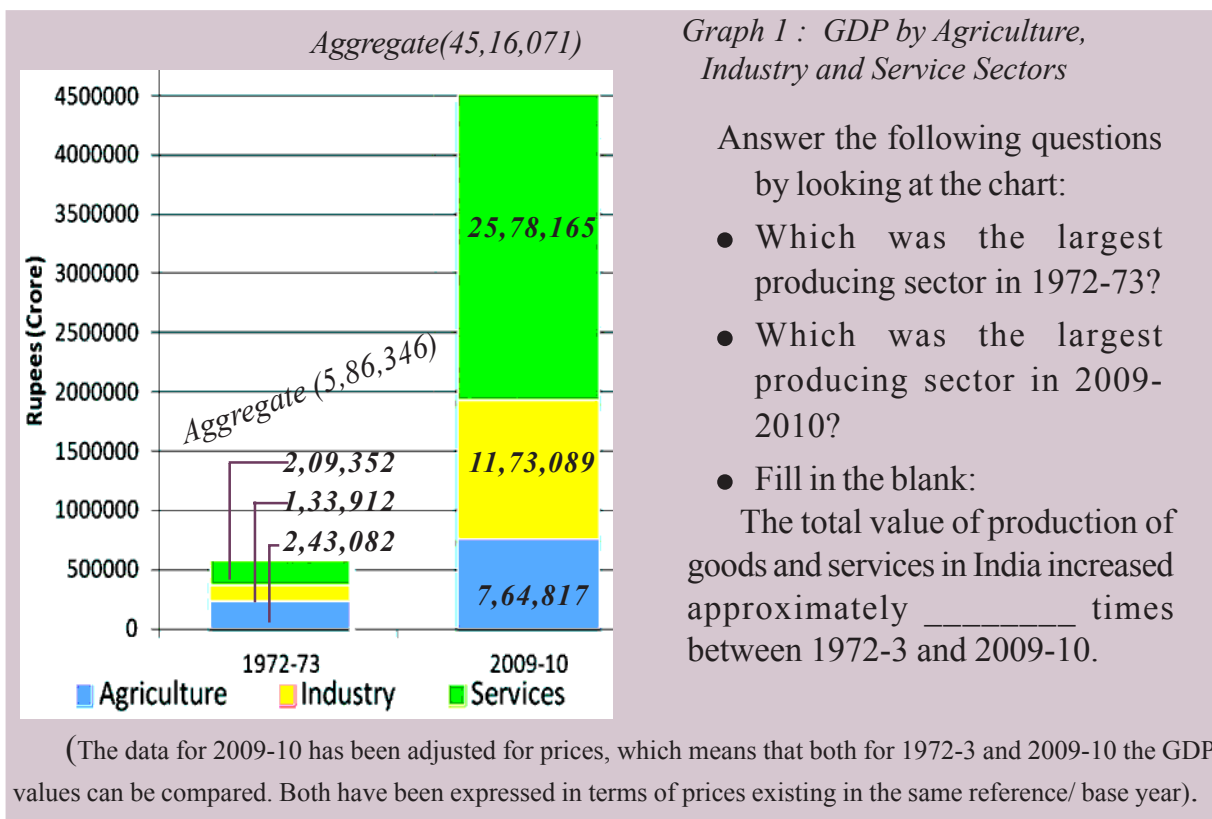


1..... 2..... 3..... 4.....

Gross Domestic Product

Suppose there are two families – one is a rich family whereas the other is a poor family. We can make such judgements as “rich” or “poor” based on: the dress people in the family wear, vehicles they use to travel, food that they eat, house they live in, furniture and other equipment they have, hospitals they go for treatment etc. Alternately, income that these families earn is an important overall indicator. For the country as a whole, we use the total value of goods and services produced in the country as the indicator of income for the country. The technical term to denote this value is Gross Domestic Product (GDP).

The following Graph 1 shows the value of GDP for India for two different years: 1972-73 and 2009-2010. One can compare what kind of increase has taken place in production in the three sectors of the economy.



How do we estimate GDP?

People engaged in various economic activities in the above sectors produce a very large number of goods and services. What we desire to find out is: how much goods and services are produced.

With so many thousands of goods and services produced, you might think this is an impossible task. Not only would the task be enormous, you might also wonder how we can add up cars, computers, mobile phone service, baskets and pots. It won't make sense!

To get around this problem, economists suggest that the value of goods and services should be used rather than adding up the actual numbers. For example, if 10,000 kilograms of paddy are sold at Rs. 25 per kg, the total value of paddy will be Rs. 2,50,000. The value of 5000 coconuts at Rs. 10 per coconut will be Rs. 50,000. Is it necessary to count every good (or service) that is produced and sold? How do we estimate the total value of goods and services?

Take, for instance, a farmer who sells paddy to a rice mill for Rs. 25 per kg. She sells 100 kilograms of paddy. Let us assume that she did not have to buy any seeds. The total value of paddy produced by her is Rs. 2500. The rice mill takes out rice and sells (i) 80 kilograms of rice to the hotelier for Rs. 40 per kg and (ii) 20 kilograms of husk at Rs. 20 per kg. The total value of goods produced by the rice miller is: $(80 \times 40) + (20 \times 20) = \text{Rs. } 3600$. This is what the hotelier pays the rice

millar. The hotelier makes *idli*, *dosa* and husk is used as fuel by him. The hotel owner by using rice and husk makes out Rs. 5000 from the sale of *idli*, *dosa*.

Total value of goods sold at each stage:

Stage 1 (sale of paddy by farmer to rice mill owner)	Rs. 2500
Stage 2 (sale of rice and husk by rice mill owner to hotelier)	Rs. 3600
Stage 3 (sale of <i>idli</i> , <i>dosa</i>)	Rs. 5000

- Discuss: To find out the total value of goods produced should we add them up?

Goods such as paddy and rice and husk in this example are at the intermediary stages. They are not being used by the final consumer. They are used as inputs to make the final good, in this example *idli* and *dosa*. If one were to add the value of all the physical inputs in between plus the value of the final goods, we would be double counting. The value of final goods already includes the value of all the in between or intermediate goods that are used in making the final good. At each stage the producer paid for these inputs produced by someone before. Hence, the value of Rs. 5000 worth of hotel items sold by hotelier (final good) already includes Rs. 3600, the value of rice and husk used as physical inputs. This was not made by the hotelier but he only purchased them from the rice miller. Similarly the rice and husk produced by the miller at Rs. 3600 already includes the value of physical input paddy (Rs. 2500) purchased by him. He did not produce paddy. The farmer produced this in stage 1. To count the value of the rice and paddy separately means counting the value of the same things a number of times - first as paddy, then as rice and husk and finally as *idli* and *dosa*.

The good becomes final if it is not used further in producing goods to be sold. In the above example if the rice had been bought by a family for their consumption, this would be the final point. *Idli* and *dosa* would be made by the family for themselves and not as goods to be sold.

....But I should be paid the full value of the wheat that I produce !



- In the above example, paddy or rice is the intermediate goods and *idli* is the final good. The following are a few goods we consume in our daily lives. List some of the intermediate goods against each one.

Final good	Intermediate goods
Notebook	
Car	
Computer	

Another way of looking at these stages is to focus only on value added at every step by the producer of the good. To find out the value added by the producer to the physical inputs purchased by him we relook at the above example:

It makes sense only to include the value added at each stage or to take the value of final goods and services. The value of final goods and services produced in each

Stage 1 (sale of paddy by farmer to rice mill owner)	=	Rs. 2500
Stage 2 (sale of rice and husk by rice mill owner to hotelier)	=	Rs. 3600
Stage 3 (sale of idli, dosa)	=	Rs. 5000

- Discuss: Why do both methods give the same result?

sector during a particular year provides the total production of the sector for that year. And the sum of production in the three sectors gives what is called the Gross Domestic Product (GDP) of a country. It is the value of all final goods and services produced within a country during a particular year.

You might have noticed that the GDP figures are given for the year 2009-10. This means the figures are pertaining to April 2009 to March 2010. This period is also called financial year.

GDP records the market value of all final goods and services produced. But there are many items that are not sold/ purchased in the market. One important example is the work that is done at home like cooking, cleaning, organizing, bringing up children, tending to plants and cattle, etc. In most instances, these do not involve any monetary transaction and therefore remain outside the GDP measure, though they are extremely important for the economy. Also, the unpaid work is done mostly by women even today, in India and across the globe.

- The value of GDP is given in the following table. Compute the growth rate of GDP as shown for 2010-11.

Year	GDP (in rupees crores)	Percentage change in GDP over the previous year	= Growth Rate of GDP
2009-10	45,16,000	-	-
2010-11	49,37,000	$[(49,37,000 - 45,16,000) / 45,16,000] * 100$	= 9.32 %
2011-12	52,44,000		
2012-13	55,05,000		

Changes in the importance of sectors - value of goods and services produced and employment of people

So far we know how the size of GDP has increased over the years, as more and more goods and services are produced. It is essential to know how this increase took place and what kind of activities contributed more to this growth of GDP. It has been noted that many of the now developed countries had agriculture and other allied activities as the most important contributor of GDP during the initial stages of development.

As the methods of farming changed and agriculture sector began to prosper, it produced much more food than before. Many people could now take up other activities, as essential food requirements were met by other producers. There were increasing number of craft-persons and traders. Buying and selling activities increased many times, further increasing demand for goods and services, besides, rulers employed large number of people as administrators, army etc. However, at this stage, in an overall context most of the goods produced were from agriculture and related sector and most people were also employed in this sector.

Recall what you have read about the industrial revolution in the earlier classes. As new methods of manufacturing were introduced, factories came up and started expanding. Those people who had earlier worked on farms now began to work in factories in large numbers. People began to use many more goods. There was mass production by factories at much lower rates and these goods reached markets all over the world. For these countries industrial production gradually became the most important sector, both in the total production of goods and services and also in the employment of people. Hence, over time, a shift took place. This means that the importance of the sectors had changed. The industrial sector became the dominant sector and the importance of the agriculture sector both for employment and production declined.

In the past 50 years, there has been a further shift from industry to service sector for developed countries. The service sector has become the most important in terms of total production. Most of the working people have also shifted and are now employed in the service sector and most of the production activities are those of services and not manufactured goods. This is the general pattern observed for developed countries. Is a similar pattern observed for India?

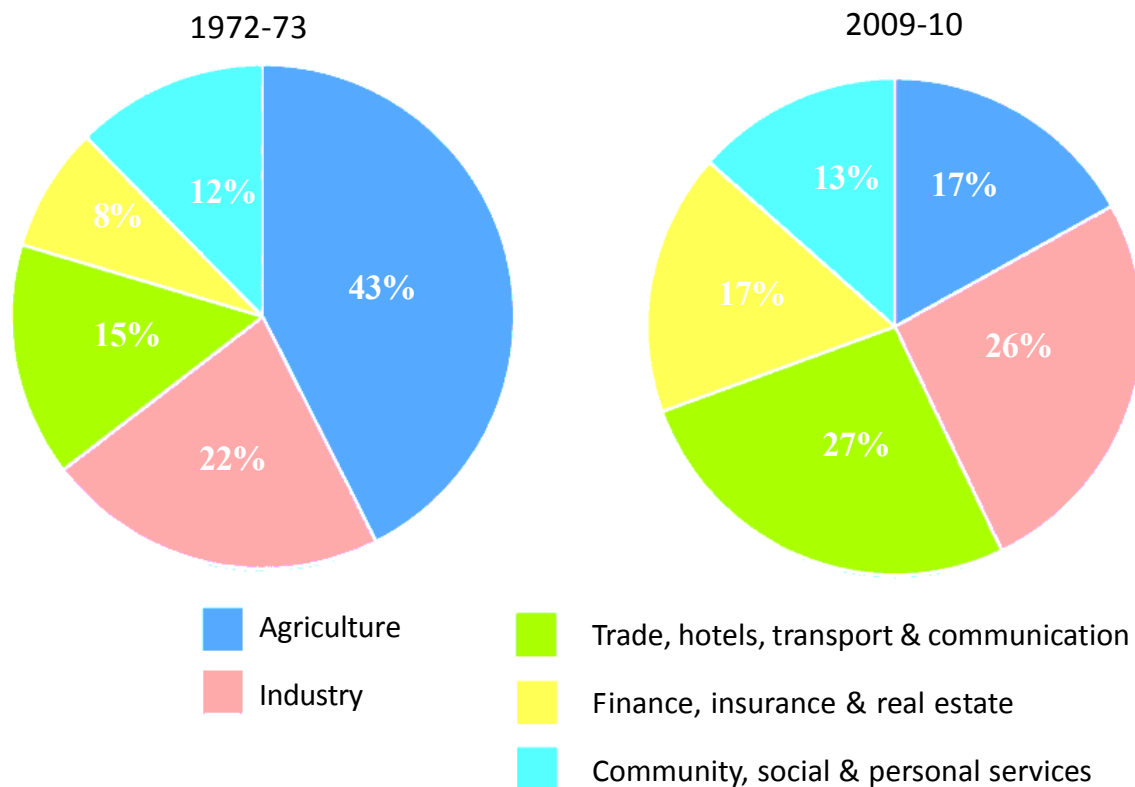
Look at the following (2) pie charts . The contribution of various activities to GDP is presented for two financial years – 1972-73 and 2009-2010. The circle or the pie represents the GDP in the given year. GDP is made up of production from the three sectors – agriculture, industry and services. Services in turn are seen to comprise of three types.

What do services comprise of?

Community, social and personal services	Public Administration, Defence, Education, Health, Veterinary activities, Media, Library, archives, museums and other cultural activities, etc.
Finance, insurance and real estate	services of banks, post-office savings accounts, non-bank financial companies, Life insurance and General Insurance corporation, services of brokers and real estate companies etc.
Trade, hotels, transport and communication	

- Can you find out some examples of trade, hotels, transport and communication?

Graph 2 Share of different sectors in Gross Domestic Product



During the 37-year period, the output share of agriculture sector has fallen drastically. There was a small increase in the share of industrial output in GDP. In contrast to this, there is a tremendous increase in the share of service activities - two out of three sub-sectors of service activities have expanded.

Employment – the working life in India

The Gross Domestic Product of a country has close relation with the total number of working people in that country. In every country, as population increases, it is essential that the country provides opportunities for those who are looking for work. Unless people get jobs to earn, how do they get food and other requirements?

According to the Census of India, 2011, out of 1.2 billion persons in India, 460 million people are workers, i.e. people engaged in some productive activities. The following table shows some basic facts about workers in India:

Sector	Place of Residence		Sex		All workers
	Rural	Urban	Male	Female	
Agriculture Sector	68	8	47	69	53
Industry Sector	17	34	34	16	22
Services Sector	15	58	19	15	25
Total	100	100	100	100	100

Unfortunately in India while there has been a change in the share of the three

Read the above table and fill in the blanks:

- Majority of workers in agriculture are living in _____.
- Most _____ workers are employed in agriculture sector. Only a small section of _____ is in industrial sector.
- More than 90% of urban workers are getting employment in _____ and _____ sectors.
- Compared to males, female workers are getting employment in _____ and _____ sectors only to a small extent.

sectors in GDP, a similar shift has not taken place in employment. Graph 3.3 shows the share of employment in the three sectors in 1972-73 and 2009-10. The agriculture sector continues to be the largest employer even now. Why didn't employment shift out of agriculture sector? It is because not enough jobs were created in the industry and service sectors. Even though production of industrial goods went up by more than nine times during the period, employment went up only by around three times. The same applies to service sector: while

production rose by more than 14 times, employment rose around five times.

As a result, more than half of the workers in the country are working in the agriculture sector, producing only one-sixth of the GDP. In contrast to this, the industry and service sectors produce three-fourth of the GDP whereas they employ only about half the proportion of workers. Does this mean that the workers in agriculture are not producing as much as they could?

It means that there are more people in agriculture but everyone may not be fully occupied. So, even if few people move out, production will not be affected. In other words, workers in agricultural sector are underemployed.

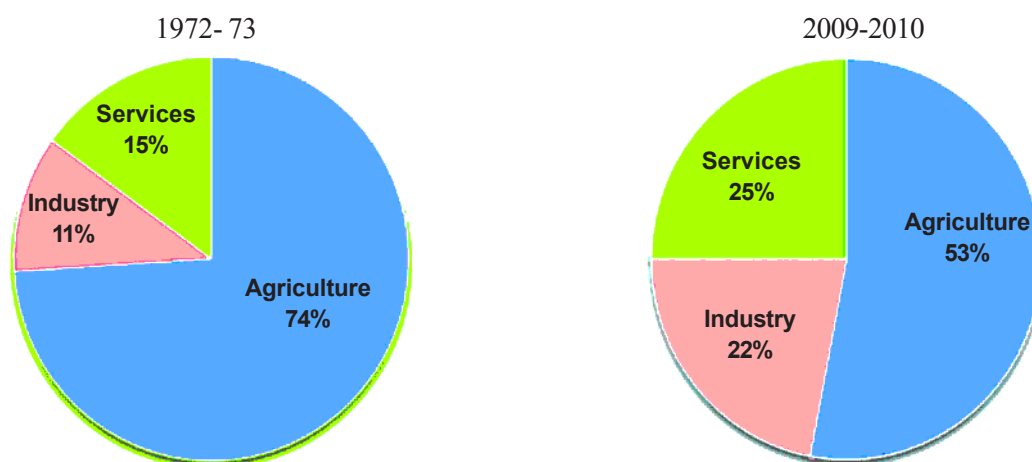
Take the case of a small farmer, Gayathri, owning about two hectares of unirrigated land dependent only on rain and growing crops like jowar and redgram. All five members of her family work in the plot throughout the year. Why? They have nowhere else to go for work. You will see that everyone is working, none remains idle, but in actual fact their labour effort gets divided. Each one is doing some work but no one is fully employed. This is the situation of underemployment, where people are apparently working but all of them are made to work less than their potential. This kind of underemployment is hidden in contrast to someone who does not have a job and is clearly visible as unemployed. Hence, it is also called disguised unemployment.

Supposing, a landlord hires one or two members of the family to work on his land. Gayathri's family is now able to earn some extra income through wages. Since you do not need five people to look after that small plot, two people moving out does not affect production on their farm. In the above example, two people may move to work in a factory, or trade. Once again the earnings of the family would increase and they would also continue to produce as much from their land.

There are lakhs of farmers like Gayathri in India. This means that even if several people from agricultural sector are provided with proper work elsewhere, agricultural production will not suffer. The incomes of the people who take up other work would increase the total family income.

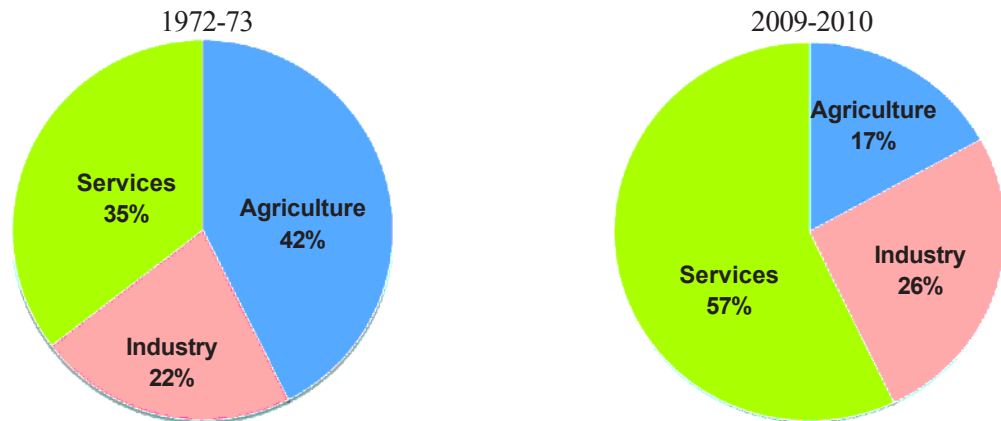
This underemployment can also happen in other sectors. For example there are thousands of casual workers in the service sector in urban areas who search for daily employment. They are employed as painters, plumbers, repair persons and others doing odd jobs. Many of them don't find work every day. Similarly, we see

Graph 3 : Sectoral shares of employment



other people of the service sector on the streets pushing a cart or selling something where they may spend the whole day but earn very little. They are doing this work because they do not have better opportunities.

Graph 4 : Shares of three sectors in GDP



- Look at the above pie charts and fill in the following table.

Sector	Employment (%)		Gross Domestic Product (%)	
	1972-73	2009-10	1972-73	2009-10
Agriculture				
Industry				
Services				

While service sector has grown, all service sector activities are not growing equally well. Service sector in India employs many different kinds of people. At one end there are a limited number of services that employ highly skilled and educated workers. At the other end, there are a very large number of workers engaged in services such as small shopkeepers, repair persons, transport persons, etc. These people barely manage to earn a living and yet they perform these services because no alternative opportunities for work are available to them. Hence, only a part of this sector is growing in importance.

Organised and unorganised sector employment in India

So far we have seen how different sectors contribute to Gross Domestic Product of India and also realised the comparative importance of the three sectors. This helps us to analyse the shifts that take place or don't take place for both production and employment.

For our country we don't see substantial shift in employment and to explore this we use another classification method focusing on the nature of employment. The classification discussed below emphasizes the problems of employment and the associated conditions of work even more starkly.

Narasimha

Narasimha works in a government office. He attends his office from 9.30 am to 5.30 pm. He uses his motorbike to travel from house to office which is about 5 kilometres. He gets his salary regularly at the end of every month, deposited in his bank account. In addition to the salary, he also gets provident fund as per the rules laid down by the government. He also gets medical and other allowances. Narasimha does not go to office on Sundays. This is a paid holiday. When he joined work, he was given an appointment letter stating all the terms and conditions of work.



Rajeshwari

Rajeshwari is working as a construction worker. She goes for work at 7 am and returns home at 7 pm. She travels about 8 to 10 kilometres daily for work by bus. Construction workers get one hour lunch break between 1pm and 2 pm. She gets work only for 10 to 12 days a month. In the remaining days she has no work, and she does not get any wage. She gets Rs 150 per day as wages. Mostly she is paid the wages on the spot in the evening. When she works for three or

four days at the same spot she is paid after the work. She gets more work from February to June. July to January is unseasonal. Rajeshwari is a member of a Self Help Group in her locality. The government pays some compensation, if any death or major injury while she is on work. There is no help from the government for treatment in accidents while working. She is also part of a group that works under a mason. There are 6 to 10 workers under each mason.

Narasimha and Rajeshwari are illustrative examples of workers employed in organised and unorganised sectors respectively. Do you see the differences in conditions of work between them? The distinction between organised and unorganised sectors helps us to understand the working situation and wages faced by the majority of workers in the country. 92 per cent of workers in India are found in unorganised sector and only 8 per cent find work in the organised sector.

Organised sector covers those enterprises or places of work where the terms of employment are regular and therefore, people have assured work. They are registered by the government and have to follow its rules and regulations which are given in various laws such as the Factories Act, Minimum Wages Act, Shops and Establishments Act etc. It is called organised because it has some formal processes and procedures. Workers in the organised sector enjoy security of employment. They are expected to work only for a fixed number of hours. If they work more, they have to be paid overtime by the employer. They also get several other benefits from the employers. They get paid leave, payment during holidays, provident fund, etc. They are supposed to get medical benefits and, under the laws, the employer has to ensure facilities like drinking water and a safe working environment. When they retire, many of these workers get pensions as well. People who work in the government or with companies or large establishments are all in the organised sector.

The unorganised sector is characterised by small and scattered units which have remained largely outside the control of the government. There are rules and regulations but these are not followed or enforced. Jobs here are low-paid and not regular. There is no provision for overtime, paid leave, holidays, leave due to sickness etc. Employment is not secure. People can be asked to leave without any reason. When there is less work during some seasons, some people may be asked to leave. A lot also depends on the whims of the employer or changes in the market situation.

Besides the above conditions, this sector includes a large number of people who are employed on their own – self employed. Almost half the workers are self employed. You would find them everywhere, doing small jobs such as selling on the street or doing repair work or as hawkers. Similarly, farmers are largely self employed and also hire labourers as and when they require.

The organised sector offers jobs that are the most sought-after. But the employment opportunities in the organised sector have been expanding very slowly. As a result, a large number of workers are forced to enter the unorganised sector jobs, which pay a very low salary. They are often exploited and not paid a fair wage. Their earnings are low and not regular. When workers lose their jobs in the organised sector they are forced to take up jobs in the unorganised sector with low earnings. Besides the need for more work, there is also a need for protection and support of the workers in the unorganised sector.

Who are these vulnerable people who need protection? In the rural areas, the unorganised sector mostly comprises of landless agricultural labourers, small and marginal farmers, sharecroppers and artisans (such as weavers, blacksmiths, carpenters and goldsmiths). Nearly 80 per cent of rural households in India are in small and marginal farmer category. These farmers need to be supported through adequate facilities for timely delivery of seeds, agricultural inputs, credit, storage

facilities and marketing outlets. As farm labourers they require adequate work and payment of minimum wages.

In the urban areas, unorganised sector comprises mainly of workers in small-scale industry, casual workers in construction, trade and transport etc., and those who work as street vendors, head load workers, garment makers, rag pickers etc. Small-scale industry also needs government's support for procuring raw material and marketing of output. The casual workers in both rural and urban areas need to be protected.

We also find that majority of workers from scheduled castes, tribes and backward communities find themselves in the unorganised sector. It is worse if one is a woman from these communities. Besides getting the irregular and low paid work, these workers also face social discrimination. Protection and support to the unorganised sector workers is thus necessary for both economic and social development.

Let's examine both the production of goods and services and employment from these sectors. The unorganised sector also contributes to GDP. During 2004-05, the unorganised sector workers accounted for 92 per cent of all workers that contributed half of all production. On the other hand, only 8% of people had a decent employment and contributed 50% of the production of goods and services. The products and services of these companies find a market but they support a very small section of the population with privileged jobs. This is an extremely unequal situation. The rest find only insecure low paying jobs or are self employed with low earnings or remain underemployed.

Table 2 Contribution of organised and unorganised sectors

Sector	Contribution (% of total)	
	Employment	Gross Domestic Product
Organised	8	50
Unorganised	92	50
Total	100	100

How to create more and better conditions of employment?

A large number of people should have found a decent employment in industry and services but this has not taken place. Production (in industry and services) has increased without a similar increase in employment. When we look at how people are employed we find that most people are in the unorganised sector, barely able to find work. The increase in production is benefitting only about 8% of workers. Hence in what ways can one increase employment for all people? Let us look at some of them.

Take the case of Gayathri with her two-hectare plot of un-irrigated land. The government can spend some money or banks can provide a loan, to construct a well for her family to irrigate the land. Gayathri will then be able to irrigate her land and take a second crop, wheat, during the rabi season. Let us suppose that one hectare of wheat can provide employment to two people for 50 days (including sowing, watering, fertiliser application and harvesting). So, two more members of the family can be employed in her own field. Now suppose many small dams are constructed and canals are dug to irrigate many such farms. This could lead to a lot of employment generation within the agricultural sector itself reducing the problem of underemployment.

Now, suppose Gayathri and other farmers produce much more than before. They would also need to sell some of this. For this they may be required to transport their products to a nearby town. If the government invests some money in transportation and storage of crops, or makes better rural roads so that mini-trucks reach everywhere several farmers like Gayathri who now have access to water, can continue to grow and sell these crops. This activity can provide productive employment to not just farmers but also others such as those in services like transport or trade.

Gayathri's need is not confined to water alone. To cultivate the land, she also needs seeds, fertilisers, agricultural equipments and pumpsets to draw water. Being a poor farmer, she cannot afford many of these. So she will have to borrow money from moneylenders and pay a high rate of interest. If the local bank gives her credit at a reasonable rate of interest, she will be able to buy all these in time and cultivate her land. This means that along with water, we also need to provide cheap agricultural credit to the farmers for farming to improve.

Another way by which we can tackle this problem is to identify, promote and locate industries and services in semi-rural areas where a large number of people may be employed. For instance, many farmers decide to grow millets and other cereals. Setting up a flour mill to procure and process these and sell in the cities is one such example. Opening a cold storage could give an opportunity for farmers to store their products like chillies and onions and sell them when the price is good. In villages near forest areas, we can start honey collection centres where people can come and sell wild honey. It is also possible to set up industries that process vegetables and agricultural produce like tomato, chillies, mango, rice, red gram, fruits, which can be sold in outside markets. This will provide employment in industries located in semi-rural areas and not necessarily in large urban centres.

Today, we not only have to generate new employment opportunities but also train many workers to work efficiently and with machines. We should invest in many industries, in both rural and semi-urban areas, so that we are able to produce many more goods and services.

Key words

Gross Domestic Product
Employment shifts

Final goods

Organised and unorganised sector

Sectoral goods

Improve your learning

1. Fill in the blanks using the correct option given in the bracket:

- (i) Employment in the service sector _____ increased to the same extent as production. (has / has not)
- (ii) Workers in the _____ sector do not produce goods. (service / agricultural)
- (iii) Most of the workers in the _____ sector enjoy job security. (organised / unorganised)
- (iv) A _____ proportion of labourers in India are working in the unorganised sector. (large / small)
- (v) Cotton is a _____ product and cloth is a _____ product. [natural / manufactured]

2. Choose the most appropriate answer.

- (a) Production of a commodity, mostly through the natural process, is an activity in _____ sector.
 - (i) primary
 - (ii) secondary
 - (iii) tertiary
 - (iv) information technology
- (b) GDP is the total value of _____ produced during a particular year.
 - (i) all goods and services
 - (ii) all final goods and services
 - (iii) all intermediate goods and services
 - (iv) all intermediate and final goods and services
- (c) In terms of GDP the share of service sector in 2009-10 was
 - (i) between 20 to 30 per cent
 - (ii) between 30 to 40 per cent
 - (iii) between 50 to 60 per cent
 - (iv) 70 per cent

3. Find the odd one out and say why.
 - (i) Teacher, doctor, vegetable vendor, lawyer
 - (ii) Postman, cobbler, soldier, police constable
4. Do you think the classification of economic activities into primary, secondary and services sectors is useful? Explain how.
5. For each of the sectors that we came across in this chapter why should one focus on employment and GDP? Could there be other issues which should be examined? Discuss.
6. How is the service sector different from other sectors? Illustrate with few examples.
7. What do you understand by underemployment? Explain with an example each from the urban and rural areas.
8. The workers in the unorganised sector need protection on the following issues: wages, safety and health. Explain with examples.
9. A study in Ahmedabad found that out of 15,00,000 workers in the city, 11,00,000 worked are in the unorganised sector. The total income of the city in this year (1997-1998) was Rs 6000 crores. Out of this Rs 3200 crores was generated in the organised sector. Present this data as a table. What are the ways for generating more employment in the city?

Freak weather offshoot of climate change: Experts

Intermittent showers in Hyderabad have bewildered Meteorological officials, while climate change experts said it is increasingly becoming difficult to predict future weather events in the country. For the last two years, we have noticed that the weather systems are behaving in a peculiar way resulting in unusual weather events.

After observing such unforeseen situations like extreme summer in the country, sudden hailstorm in Chevella region of Ranga Reddy district, cloudbursts in Uttarakhand and early onset of southwest monsoon and a late retreat, experts say that weather systems are behaving in a peculiar way.

Ongole received 341 mm rainfall in one day, which is more than one-third of the state's total annual rainfall. The heavy showers across the state have damaged several acres of crops, particularly cotton. But in a good news, 75% of the around 80,000 tanks in Andhra Pradesh are full now.

(adapted from Oct 25, 2013 Times of India)

- Collect similar newspaper reports.

Are these indicators of some change or just a variation that happen once in a long time? Invite some meteorological officials or college faculty to discuss these developments.

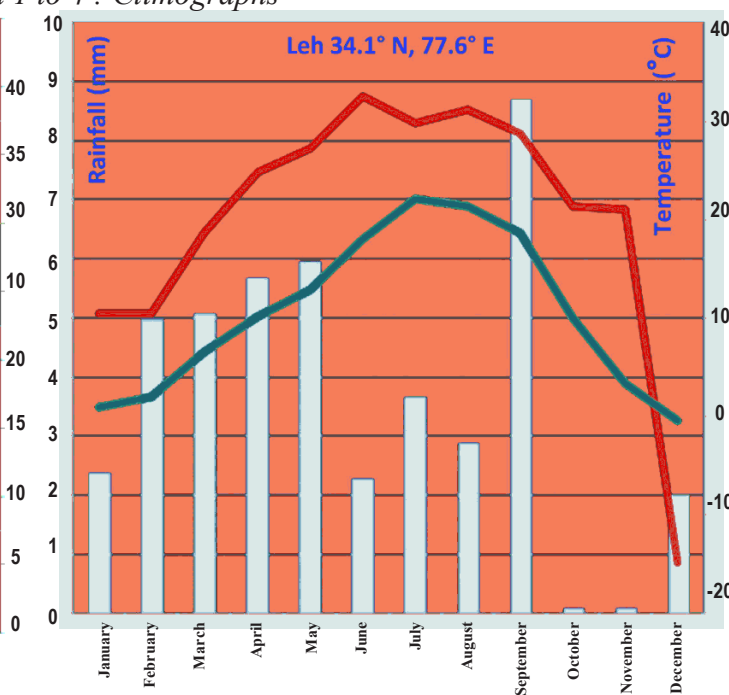
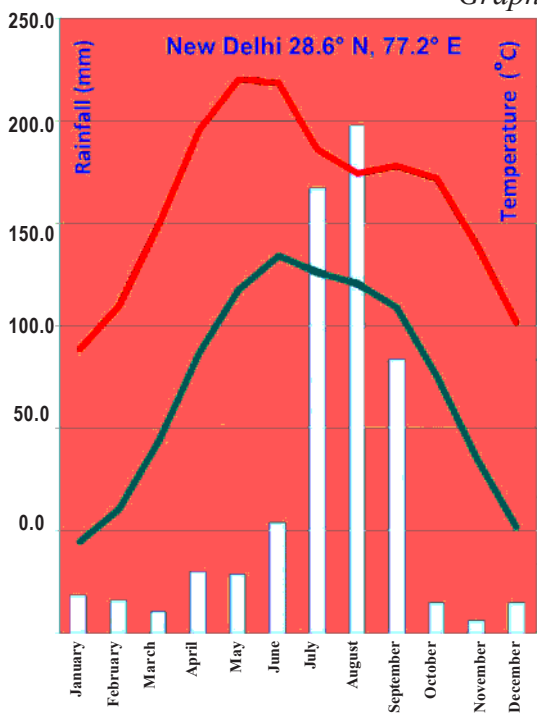
Climate and Weather

The state of atmospheric conditions over an area at a particular time refers to weather. These weather conditions fluctuate very often even in a short period. Climate refers to such conditions over a large area and follows a similar general pattern over many years. What have been the general conditions, year after year, over thirty years or more, gives us the climate. There are variations from year to year but a basic pattern remains the same. On the basis of these generalised conditions, the year is divided into seasons. The elements of weather and climate are: temperature, atmospheric pressure, wind, humidity, and precipitation. The pattern of these for a place can be shown using pictures called climographs or climatographs. Climographs show average monthly values of maximum temperature, minimum temperature, and rainfall for a given place.

Climographs of a few places in India.

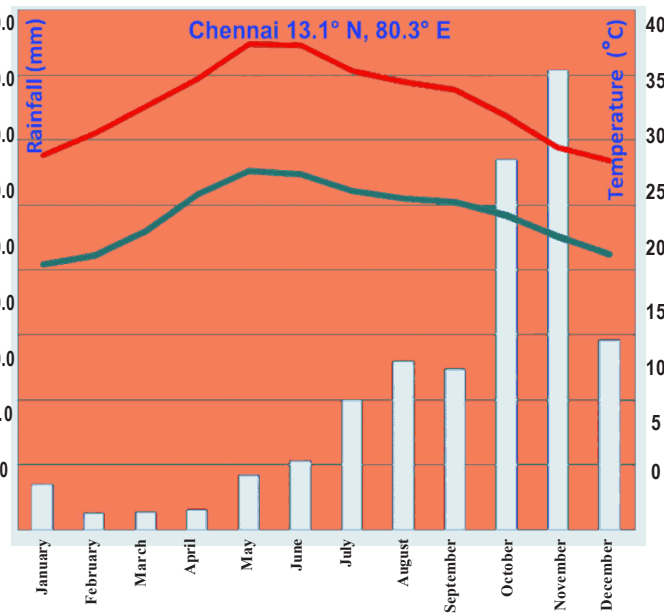
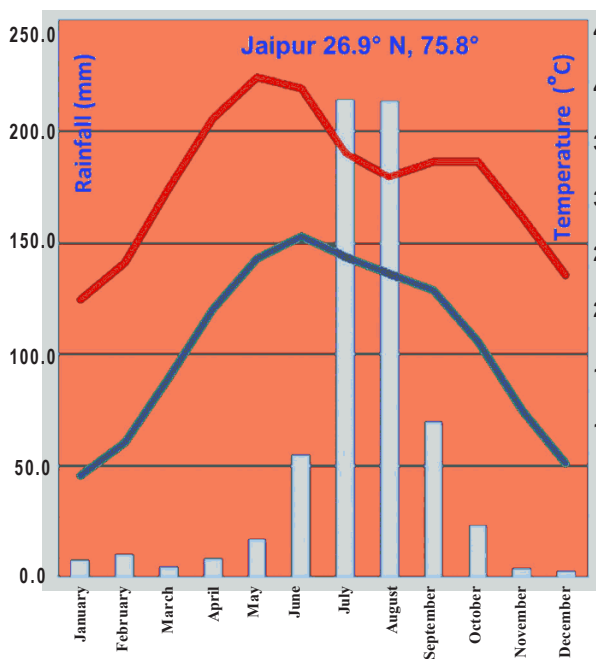
The climographs below show that temperature and rainfall vary in different parts of the country. Refer to your atlas and identify the relief region where these places are located. Also, read the graphs below and fill the table on following page.

Graph 1 to 4 : Climographs



— Mean Maximum Temperature (°C)
— Mean Minimum Temperature (°C)

— Mean Rainfall (mm)



All Graphs Courtesy: The Indian Institute of Geographical Studies.(CC)2013

Place	Relief region	Range of maximum temperature, during the year	Range of minimum temperature, during the year	Name the wettest month and the rainfall (mm) for that month	Name the driest month and the rainfall (mm) for that month
Jaipur					
Leh					
New Delhi					
Chennai					

Range of Temperature: From highest value to lowest value

- What are the warmest and coldest months in Leh?
- From the range of temperatures in the above table say whether Jaipur is, in general, hotter than Leh. Explain your answer.
- Compare the climate of Delhi and Chennai. How are they different?
- Read carefully the rainfall pattern for Leh. In what ways is this different from the others? From your atlas can you find out some other places in the world that have similar rainfall pattern.
- Identify the wet months for Chennai. How is this different from Jaipur?

Factors influencing climate and weather

It is observed that for some places (e.g. Chennai) there is not much difference in the temperature across months. Some places (e.g. Delhi) have wide differences in temperature across the months. India experiences wide variations in temperature. The northern portion is bounded by the Himalayas whereas southern peninsula is surrounded by seas. Some places are far from the coasts; they are inland. Some places are at high altitude, whereas others are on the plains. The factors that affect climate are called climatic controls. These include:

1. Latitude
2. Land-water relationship
3. Relief
4. Upper air circulation

1. Latitude or distance from the equator

The average temperatures for the year drop as you go further away from the equator. For this reason, we divide the regions on Earth as:

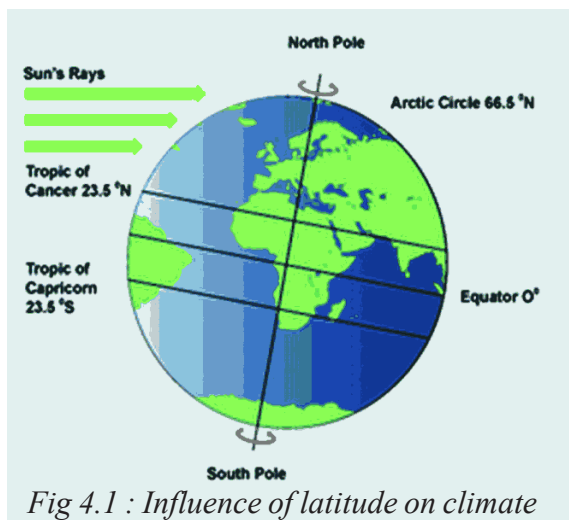
- Tropical, as those close to the Equator;
- Polar, as those close to the poles;
- Temperate, as those in between these two extremes.

If we compare the climate of, say, Indonesia and Japan, we can understand the

differences. The reason for these differences is the differential heating of Earth that you have read in earlier classes. Intensity of temperature depends on the latitude.

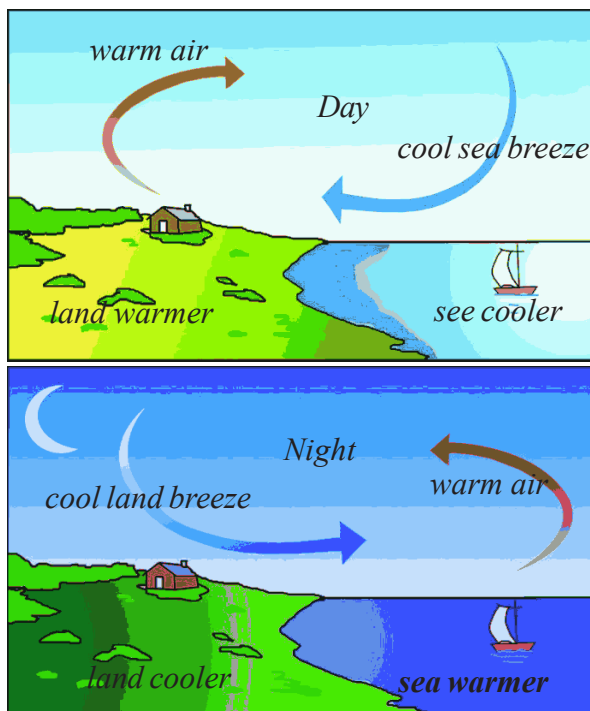
- Using a globe recall and discuss what you may have read earlier. How does the angle of sun vary at different latitudes? What impact does this have?

The temperature of the atmosphere at a particular place near the Earth's surface depends upon the insolation (heat from sun rays) received at that location. This is more intense in the low latitudes than in the high latitudes. As we move away from the equator towards the poles, the average annual temperature decreases.



In India the southern part lies in the tropical belt closer to the equator. Therefore this region has higher average temperature than the northern part. This is one reason for the climate of Kanyakumari being entirely different from Bhopal or Delhi. India is situated roughly between 8° and 37° N latitudes and the country is divided into almost two equal parts by the Tropic of Cancer. The part south of the Tropic of Cancer lies in the tropical zone. The part north of the Tropic of Cancer lies in the temperate zone.

Land water relationship



Look at a map of India showing land cover and water bodies, and you will see another important factor which has an influence on climate: the land and water relationship. The amount of sunlight that is first absorbed and then radiated back or directly reflected depends on the nature of the surface. Darker areas, such as heavily vegetated regions, tend to be good absorbers; lighter areas, such as snow and ice-covered regions, tend to be good reflectors. The ocean absorbs and loses heat more slowly than land. This affects climate in many ways. One of this is the formation of land and sea breezes. Using Fig 4.2 explain how this happens. Recall from class IX the connection between pressure and direction of wind.

A large part of southern India, because of its long coast line, comes under the moderating influence of the sea. As such, the difference between the temperature of day and night and that of summer and winter is not much. This is known as equable climate. If we compare similar places on the same latitude and altitude we can appreciate the effect of the sea.

Relief

You have learnt that temperature decreases as altitude increases. Hence, hills and mountains will have lower temperature than locations on the plain. Therefore, relief or altitude of a region influences the climate of the area. You would have heard about several hill stations of the Himalayan region like Shimla, Gulmarg, Nainital and Darjeeling as places that have a cool climate even during the peak summer months. Similarly Kodaikanal and Udagamandalam (Ooty) have cooler climate, compared to places near the coast.

- In your atlas, compare the temperatures of Mumbai and Nagpur for winter and summer months. How are they similar or different? How does it explain distance from the sea?
- With the help of the climographs can you explain the differences in temperature for Jaipur and Chennai.

- Are Shimla and Delhi located on very different latitudes? Check with your atlas. Is Shimla cooler than Delhi during summer?
- Why does Darjeeling have pleasant weather as compared to Kolkata during summer season?

Upper atmospheric circulation

In the northern hemisphere, subtropical high pressure belt gives rise to permanent winds. They blow toward the equatorial low pressure belt by reflecting towards the west and are called trade winds. The German word 'trade' means 'track' and stands for blowing steadily in the same direction and in a constant course. India lies in the belt of *dry north-east trade winds*.

The climate of India is also affected by the movement of *upper air currents* known as 'jet streams'. These are fast flowing air currents in a narrow belt in the upper atmosphere, above 12,000 m. The speed varies from about 110 km/h in summer to about 184 km/h in winter. An easterly jet stream develops at about 25°N. A jet stream causes the neighbouring atmosphere to cool. This cooling effect of the easterly jet stream causes rain from clouds already found over this latitude (25°N).

Seasons: Winter

The temperature in the Indian land mass considerably reduces from mid-November and this cold season continues till February. January is usually the coldest month-day temperature sometimes drops below 10°C in several parts of the country. However, the cold weather is more pronounced in northern India. South

India, especially the coastal areas, enjoy a moderate climate as temperature remains well above 20°C.

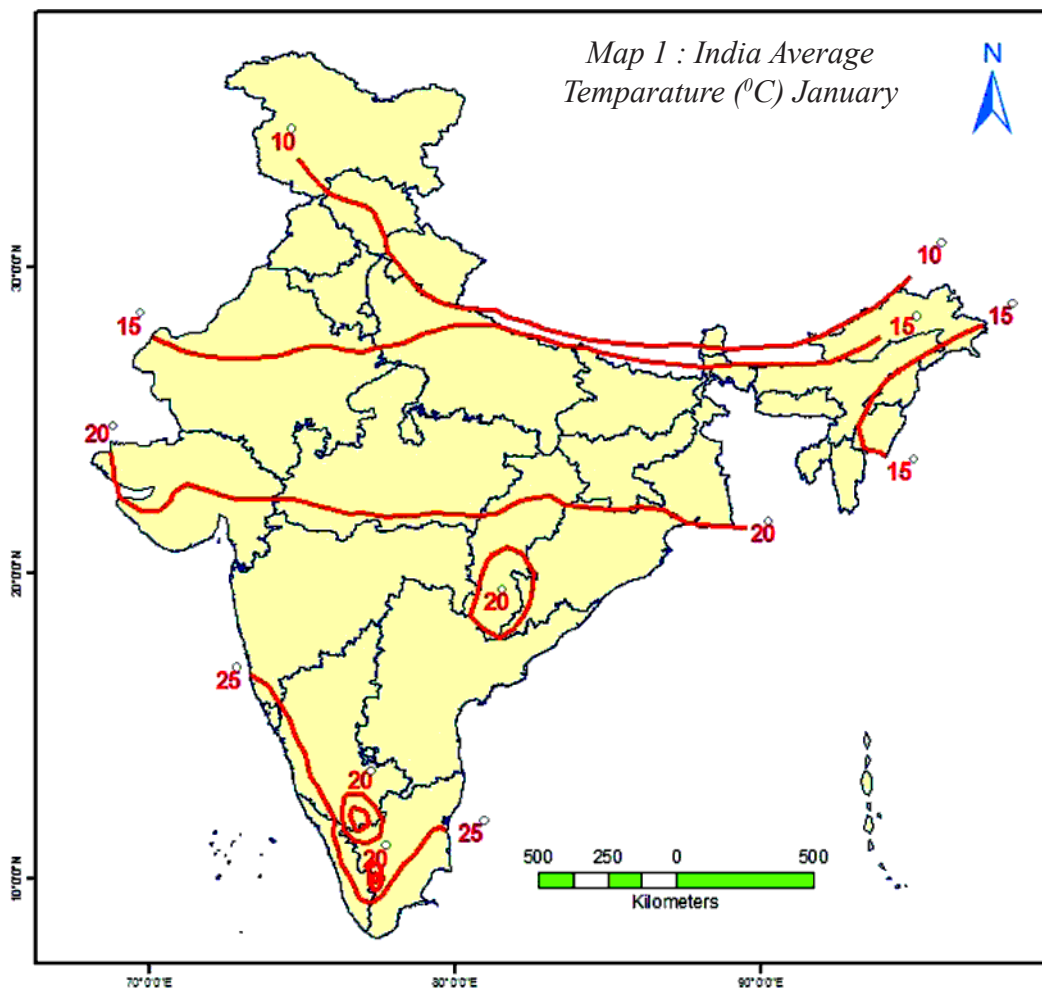
- What would be the range for the average temperature in A P for January?
- Using your atlas find some places located on 15°C.
- Close to the line showing places where average temperature is 25°C, there's a small circle of places on 20°C. How is this possible?

The lines in map 1 below indicate places that have the same average temperature for January.

During winter, the weather is generally pleasant with clear sky, low humidity and cool breeze. Cyclone depressions coming from Mediterranean Sea called Western Disturbances cause low to moderate rainfall over northern India. This rainfall

is boon to wheat crop which is generally cultivated in 'Rabi' season.

India lies in the trade wind belt of Northern Hemisphere – north-east trades blow over India from land to sea and are therefore dry. However, some amount of rainfall occurs on the Coramandel coast of Tamil Nadu from these winds, as they pick up moisture from the Bay of Bengal while crossing it.



Summer

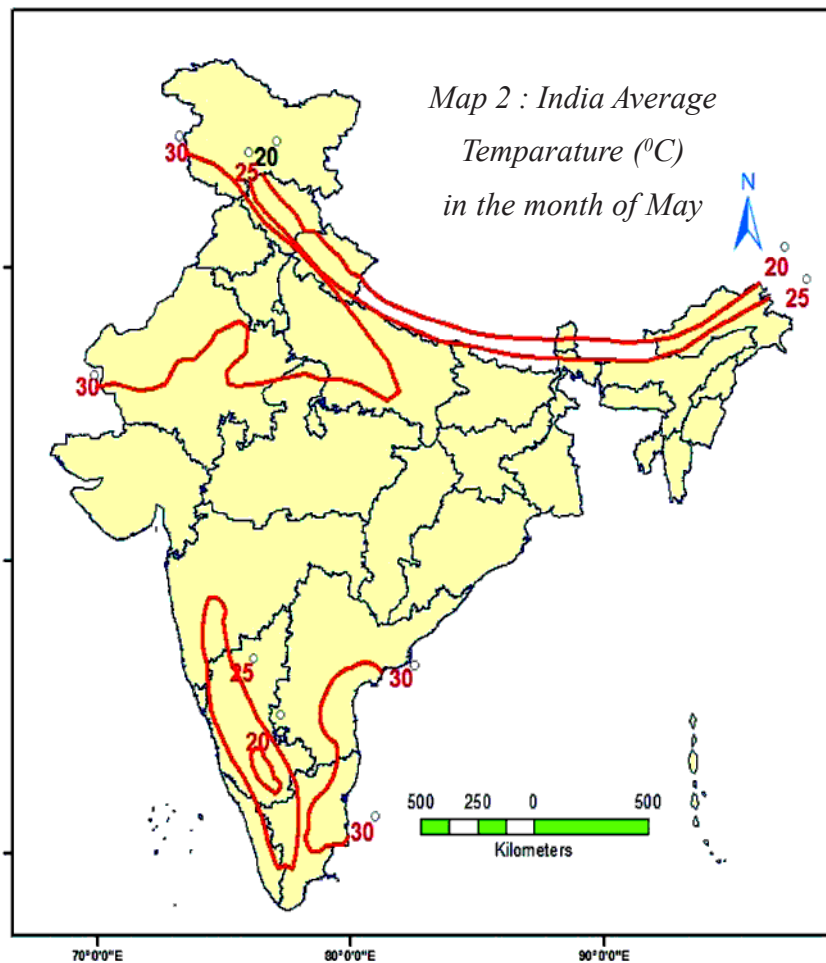
During the hot season, as we move from southern to northern part of the country, the average temperature increases. Starting in April, the temperature rises and slowly the maximum day temperature exceeds 37°C in northern plains of India. By mid-May, day temperature may touch 41°C to 42°C in many parts of the country, especially in the north-west plains and central India. Even minimum temperature does not go below 20°C . The northern plain experiences dry and hot winds called 'Loo'.

Towards the end of the summer season, pre-monsoon showers ('bursting monsoon') are common in the Deccan Plateau. These help in the early ripening of mangoes and other plantation crops in peninsular India. Hence they are locally known as mango showers in Andhra Pradesh.

Advancing monsoon

The climate of India is strongly influenced by the monsoon winds. The sailors who came to India during olden days noticed the regular periodic reversal of winds. They used these winds to sail towards the Indian coast. Arab traders named this seasonal reversal of wind system 'monsoon'.

The monsoon forms in the tropical area approximately between 20°N and 20°S latitudes. The south-east monsoon winds from the southern hemisphere carry moisture as they flow over the Indian Ocean and towards the equatorial low pressure zones. After crossing the equator, these winds deflect towards the low pressure formed in the Indian sub-continent. The heating of land creates low pressure on the land mass of Indian sub-continent, especially over central India and the Gangetic



- From the climographs (Graph 1-4), note the approximate average temperature for May for the four places and mark them on the above map.

plain. Together with this, the Tibetan plateau gets intensely heated and causes strong vertical air currents and the formation of low pressure over the plateau at above 9 kms altitude.

They then flow as the southwest monsoon. The Indian peninsula divides them into two branches - the Arabian Sea branch and the Bay of Bengal branch. The Bay of Bengal branch strikes the Bengal coast and the southern face of the Shillong plateau. Then it gets deflected and flows westward along the Gangetic valley. The Arabian Sea branch arrives at the west coast of India and moves north ward. Both the branches reach India by the beginning of June, which is known as “onset of monsoon”. They gradually spread over the entire country in four to five weeks. The bulk of the annual rainfall in India is received from south-west monsoon. The amount of rainfall is very high along the west coast due to the Western ghats, and in north-east India due to the high peaked hills. Tamil Nadu coast (Coramandel), however, remains mostly dry during this season as it is in the rain shadow area of the Arabian Sea branch and is parallel to the Bay of Bengal branch.

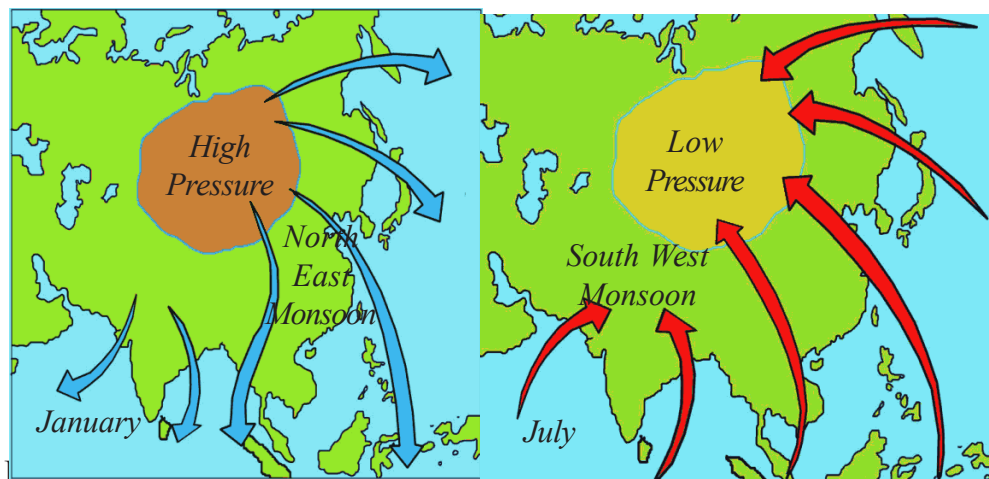
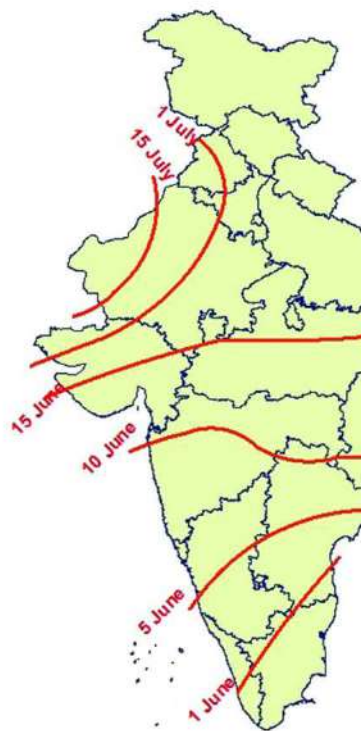


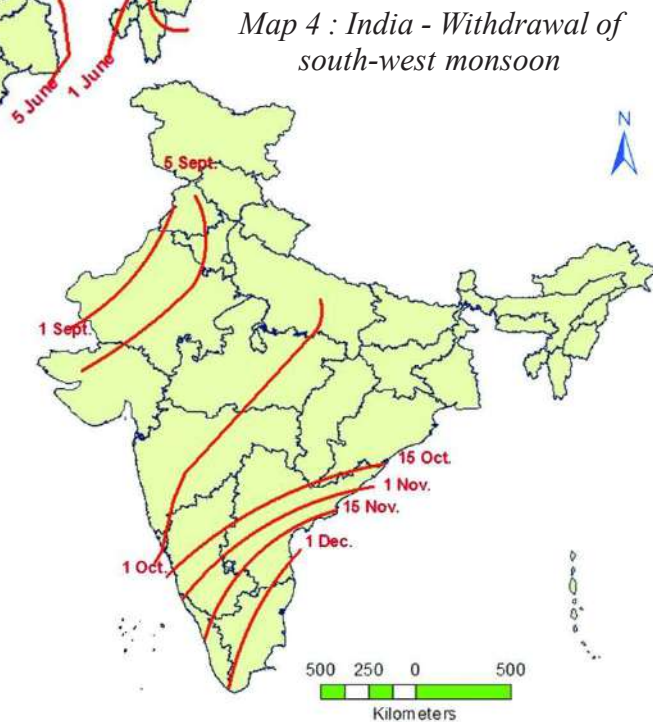
Fig 4.3 : Pressure and monsoon wind

October - November is a period of transition from a hot wet conditions to dry winter condition (Fig 4.7). The retreat of the monsoons is marked by clear skies and rise in temperature. The land is still moist. Owing to the conditions of high temperature and humidity, the weather becomes rather oppressive. This is commonly known as “October heat”.

The low pressure conditions which once prevailed over north-western India move far South to the centre of the Bay of Bengal by early November. During this period cyclonic depressions are common which originate over the Andaman area. These tropical cyclones are often very destructive. The thickly populated deltas of the Godavari, Krishna and Cauveri are their targets. No year is ever found disaster free. Occasionally, these tropical cyclones visit Sundarbans and Bangladesh too. Bulk of the rainfall of the Coromandel Coast is derived from depressions and cyclones.



Map 3 : India - Onset of south-west monsoon



Map 4 : India - Withdrawal of south-west monsoon

In the Indian tradition, a year is divided into six two-monthly seasons. This cycle of seasons that the people in north and central India follow is based on their practical experience and age-old perception of weather phenomena. There is a slight variation in the timing of the seasons between northern and southern India.

Traditional Indian Seasons

Seasons	Months According to the Indian (lunar) calendar	Months According to the Western (solar) calendar
Vasantha	Chaitra – Vaishakha	March – April
Grishma	Jyestha – Ashadha	May – June
Varsha	Sraavana – Bhadra	July – August
Sharad	Aswayuja – Karthika	September – October
Hemanta	Margashira – Pushya	November – December
Shishira	Magha – Phalguna	January – February

Global Warming and Climate Change

As Earth started to take shape from a fire ball to a planet, many gases were released. These gases did not escape into outer space because of the Earth's gravitational pull. It still holds them back. The result? A thin layer of gases surrounds Earth and provides us several important benefits. For example: the oxygen that we breathe, the ozone that protects us from harmful ultraviolet rays from the sun, the nitrogen that our plants use to make proteins that we need, the medium through which fresh water is circulated, and keep us warm (look at the image from Class IX Chapter 4).

Keeping us warm is one of the most important things that the atmosphere does for us. It is like a light, but effective, blanket enveloping Earth. You will recall from Class IX that the atmosphere traps a lot of the solar energy that reaches Earth by preventing it from totally escaping back into space. This is called Green house effect. This is important and vital for life to survive on this planet. If it did not have this atmosphere, earth would be very cold indeed.

However, since the 19th century the planet has been warming up very rapidly. There is an increasing concern about this. Why this concern? After all, Earth has been through many cycles of warming and cooling (in fact, freezing!). So what is so special about it now?

Earlier cycles of cooling and warming happened over very long periods of time. This allowed much of the life on Earth the time to adapt to the changes. The problem now is that the heating is much more rapid and could lead to catastrophic changes. Much of the warming that has been occurring since the Industrial Revolution is because of human activities. Hence, the current global warming trend is called AGW (Anthropogenic Global Warming; anthropogenic means caused by humans).

More recently, scientists are discovering large volumes of methane under the frozen tundras of the far northern latitudes (mainly in the vast expanses of northern Russia). As global temperature increases, the ice in the tundra melts more. The methane that is trapped under the ice escapes into the atmosphere, increasing the global temperatures. In turn, this causes even more ice to melt, releasing even more methane, and so on. Methane is said to be even more powerful than carbon dioxide as a greenhouse gas.

AGW and climate change

AGW is causing many changes in the distribution of heat in the Earth system. Remember how atmospheric and oceanic circulations keep re-distributing the heat in the world? AGW disturbs this system and the re-distribution system. The disturbance itself is not so much of a problem. It is the rapidity with which it is happening.

When the redistribution system is disrupted, weather and climate patterns

change. Long-term changes (climatic changes) happen from accumulations of short-term changes (weather changes).

An international effort to form an agreement whereby all countries try to reduce their emission of greenhouse gases has so far not been achieved. An international organization called Inter-governmental Panel on Climate Change (IPCC) was formed to address this issue. It has held many conferences to work out a treaty among the nations of the world to reduce AGW and try to slow down the process of climate change. None of these have been successful. The latest attempt was made at the IPCC conference in Warsaw (Poland), in 2013. This has also failed to achieve any agreement.

Broadly, the disagreements are between the ‘developed’ countries (mainly industrialised, economically more advanced countries of the West) and ‘developing’ countries (countries that are not as industrialised). Developed countries want developing countries to cut down on burning coal and other activities that add greenhouse gases to the atmosphere. Developing countries argue that developed countries developed precisely by burning fossil fuels in their development. Developing countries say that their economic development will be seriously damaged if they don’t burn fossil fuels (mainly coal), and that developed countries should do their fair share of work to help find alternatives that can help the developing countries to progress.

Most scientists from around the world agree on this much: AGW is real, it is happening, and it is leading to rapid and drastic climate change. They warn that severe weather and other changes will increase in the coming years and threaten life as we know it.

One of the human activities that contribute to global warming is deforestation. Discuss with your teacher and your classmates and try to answer the questions on the right in a few sentences.

- What is deforestation?
- Does deforestation happen only in forest areas? How about in your local area, even if there are no forests?
- How does deforestation affect global warming? (You will need to recall your study of photosynthesis in your science class.)
- What are some other ways in which human action contributes to global warming?

Impact of climate change on India

Though a rise of 2° C in average temperature may appear to be small, it would result in a rise of one meter in sea levels by early next century. This would affect large portions of our coastal areas and millions of people would have to be shifted. They would lose their livelihood.

Nearly 200 squatter families living in Nonadanga in east Kolkata for the past few years are in the process of being evicted by the Kolkata Metropolitan Development Authority (KMDA). Many of the families came to Kolkata in search of work, after the Aila super-cyclone ravaged Sundarbans in 2009.

On March 30, the slum was bulldozed amid heavy police presence and some hutments were set on fire. The recurrent thunderstorms over the past few days has meant sleepless and soiled nights for nearly 700 people who have been rendered homeless. They work as house helps, rickshaw pullers and construction labourers.

The other effect would be on rainfall. This is likely to be more erratic and lead to greater imbalances: some places are likely to receive excess rainfall whereas others would get less than normal. Hence droughts and floods are expected to increase. This would greatly affect the agriculture pattern and people's livelihood.

Imagine how one would cope with a situation, if millions of people were affected. Where would you find land for resettlement? What jobs would they do?

The faster melting of Himalayan glaciers would disturb the livelihood of fresh water fisher folk as their natural habitat of fish is affected. Similarly freak weather conditions that you read about are likely to increase. Climate change is something that happens at a global level. Therefore, it affects all of us.



Fig 4.8 : Impact of Aila : (left) broken embankment, (below) repairing embankment



Key words

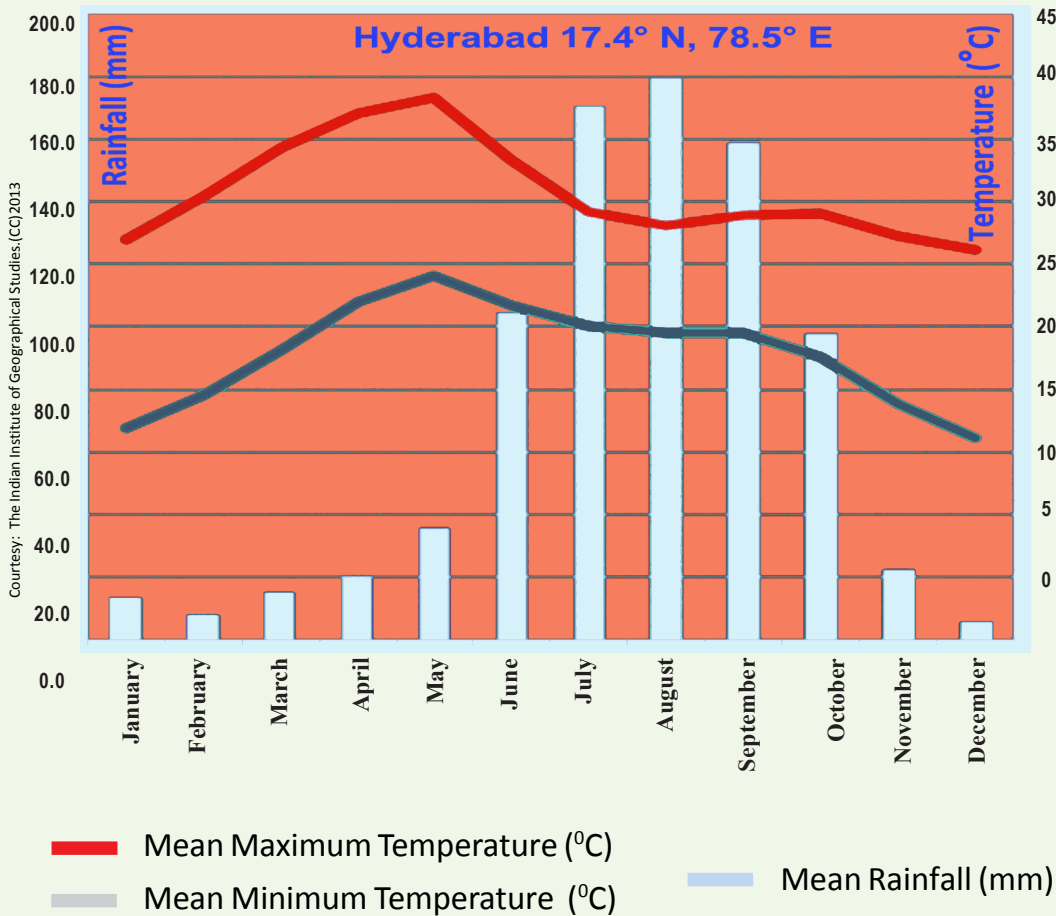
Climograph
Jet Streams

Weather
Pressure Zone

Monsoon
Global warming
Insolation

Improve your learning

- 1) Read the following statements and mark if it is an example of weather or climate
 - a) During the last few years many glaciers have melted in Himalayas
 - b) During the last few decades drought in Vidarbaha region has increased
- 2) Match the following. Use maps if you cannot locate the places. (There could be multiple correct answers)
 - a) Trivandrum is farther from the equator and temperature would be lower in winter
 - b) Gangtok is closer to the equator but not close to the seas and has low rainfall
 - c) Anantapur is closer to sea, and climate has big impact of the seas
3. Describe India's climate controls.
4. Write a short note on factors influencing climatic variations in hilly areas and deserts.
5. How are human activities contributing to global warming?
6. What are disagreements between 'developed' and 'developing' countries about AGW?
7. How is climate change causing global warming? Suggest measures to minimise the influence of the global warming.
8. On an outline map of India, show the following:
 - (i) Areas recorded with more than 40°C annual mean temperature
 - (ii) Areas recorded with annual mean temperature less than 10°C
 - (iii) The direction of the south-west monsoon over India.
9. Observe the following climograph and answer the following questions.
 - A. Which month received highest rainfall?
 - B. Which months experience highest and lowest temperature?
 - C. Why is the maximum amount of rainfall between June and October?
 - D. Why is the temperature high between March and May?
 - E. Identify relief conditions causing variation in temperature and rainfall.

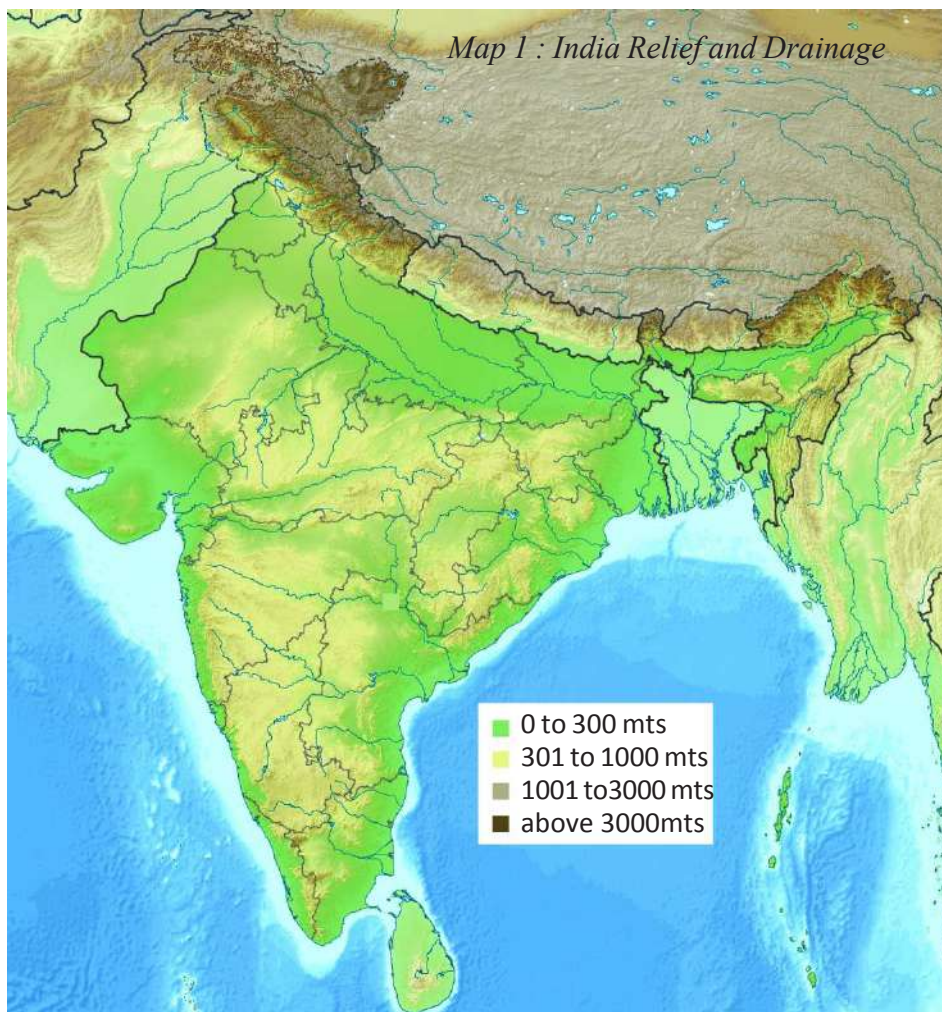


Project

Collect proverbs/ sayings that are related to climate and weather in your region.

- A Rainbow in the morning is the Sailor's Warning.
- A Rainbow at night is the Sailor's delight.
- When the dew is on the grass rain will never come to pass.

- On a map of India identify and mark the Himalayas and the Western Ghats.
- Using the colour code, identify the height range in which some of the rivers originate. Using the atlas and the raised relief map follow the course of these rivers and locate the direction in which they are flowing.
- Discuss: About 5% of water is used for domestic purposes and yet a large section of the population does not have access to the water.
- 40 million hectares of land in India is flood-prone and an equally large part of the country is also drought prone. What are the causes of this?
- 70% of our surface water resources are polluted. Why?



The drainage of India has evolved and adjusted itself with the evolution of the three physiographic units: 1) the Himalayas 2) peninsular plateau and 3) the Indo-Gangetic plain. On the basis of its origin, the drainage system in India can be broadly divided into two categories: i) The Himalayan rivers and ii) The Peninsular rivers.

The Himalayan Rivers

The Himalayan Rivers belong to the three principal systems: the Indus, the Ganga and the Brahmaputra. These rivers originate from almost the same region within few kilometers of each other separated by water divides. They first flow parallel to the main axis of the mountains. Then they take a sudden bend towards the south cutting through the massive mountain chain to reach the north Indian plains. In the process they have carved out deep 'v' shaped valleys. This is well exhibited by Indus and the Brahmaputra rivers.

The Himalayan Rivers are perennial. This is because the rivers are supplied on rainfall as well as the melting snow.

The Indus System

The Indus originates in the northern slopes of the Kailash range in Tibet near Lake Manasarovar. It follows a north-westerly course through Tibet. It enters Indian Territory in Jammu and Kashmir. The main tributaries of the Indus in India are Jhelum, Chenab, Ravi, Beas and Sutlej. It covers Jammu and Kashmir, Punjab and Himachal Pradesh states of India.

- With the help of an atlas trace the course of Indus both in India and Pakistan.

The Ganga System

The Ganga has twin sources. The main one is the Gangotri glacier where it is called the Bhagirathi. The other is the Satopanth glacier north-west of Badrinath where it is called the Alakananda. The two join at Devprayag to form the Ganga that emerges from the hills of Haridwar. The Ganga is joined by a large number of tributaries. A majority of them originate in the Himalayan ranges but some of them have their sources in the peninsular plateau.

- Look at the map of river Ganga (5.2) and name the states which are drained by it.
- From the above map list out the north-flowing and south-flowing tributaries of the Ganga.

The Brahmaputra system

The Brahmaputra (known as the Tsangpo in Tibet) rises from the snout of the Chemayungdung glacier of the Kailas range near Manasarovar. It flows eastwards through southern Tibet. Near Lhotse Dzong, it opens out into a wide navigable channel for about 640 kms. Thereafter, the river breaks through a succession of

rapids. It enters in a great loop southwest through Arunachal Pradesh in India, first as the Siang and then as the Dihang. Emerging into the Assam valley it is joined by two tributaries-The Dibang and the Lohit. From here, the river is known as the Brahmaputra.



Map 2 : Ganga joining with Brahmaputra

The Peninsular Rivers

The Western Ghats are the water divide between the major peninsular rivers, discharging their water in the Bay of Bengal and as small rivulets joining the Arabian Sea. Most of the major Peninsular Rivers except Narmada and Tapi flow from west to east. The Chambal, Sind, Betwa, Ken, and Son, originating in the northern part of the peninsular belong to the Ganga river system. The other major river systems of the peninsular drainage are the Mahanadi, the Godavari, the Krishna and Cauveri. Peninsular rivers are characterised by fixed course, absence of meanders and largely non-perennial flow of water.

The Godavari is the largest peninsular river system. The source of this river is in the Triambak plateau near Nasik in Maharashtra and discharges its water into the Bay of Bengal.

- From the Map and using your atlas describe the following:

The Godavari originates in ____ and ____

The Krishna is the second largest east flowing peninsular river which rises near _____

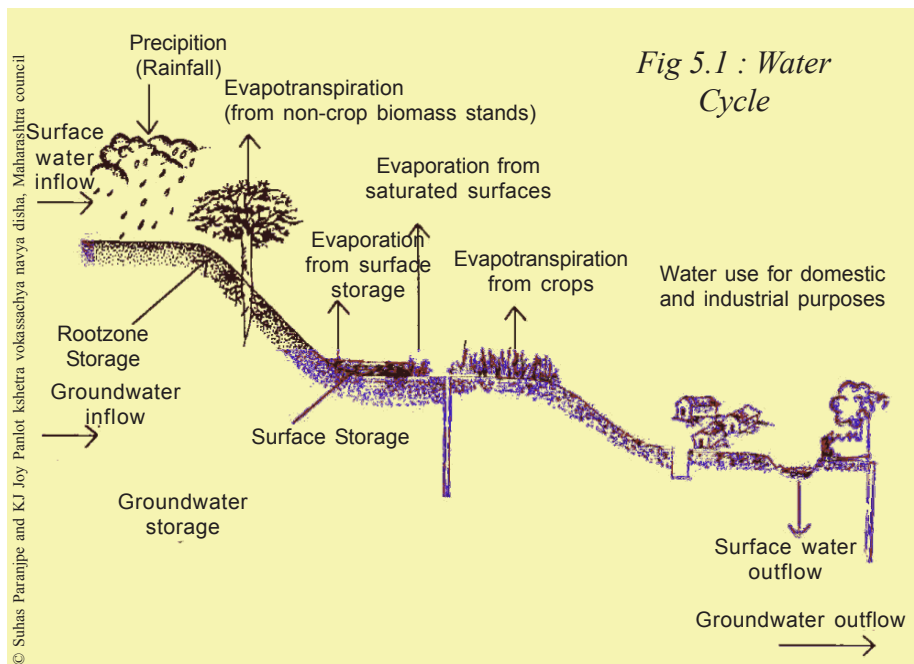
The Mahanadi rises near Sihawa in Chattishgarh and runs through ____

The Narmada originates near _____ in Madhya Pradesh.

The Tapi originates from ____ and flows ____ (fill in the direction of flow)

Water use

Water is a resource that becomes available to us as an annual flow i.e. we try to estimate how much we would be able to use during the year. In order to do this we need to recall the 'water-cycle' and estimate the inflows and outflows during the year. Outflows and inflows can be estimated at different levels - for small watershed or an entire river basin.



Now let us explore the idea of a ‘water budget’ as it would apply to a small or large region such as a village or a district.

Inflows

- Discuss the term “watershed”.

For any area $\text{inflow} = \text{precipitation} + \text{surface flow} + \text{ground water flow}$. Surface flow includes rivers,

streams, canals, and other flows on the surface. Ground water flow is difficult to estimate, but it can be done. Precipitation includes snow, dew, hail etc. To estimate the precipitation of an area we take an average over many years since precipitation varies from year to year.

Surface and ground water flows: For your area, whether a village or a town, list the surface water inflows from the river, or canals of irrigation projects.

- From the nearest Mandal office find out the total annual rainfall for your area over the past 5 years.

A small region such as a village may receive water through canals, pipelines etc- list all outside sources. This has to be added to the amount of rainfall to get an idea of the

total inflow for the village. However it is more difficult to get an idea of ground water inflows but the general slope of the land helps one make a guess as to the possible direction of the flow.

Outflows

Evapotranspiration: Evaporation, the turning of water into vapour, takes place all the time in water bodies. It can happen to any exposed surface water such as

- Recall from your science lessons what happens to the water that plants draw through their roots.

lakes, rivers, seas etc. Living things also give off water into the atmosphere through their breathing process. This is called transpiration. The total amount of water added to the atmosphere from both

evaporation and transpiration is called evapotranspiration.

Water flowing out via surface flows and groundwater: Imagine a region such as a village. Some amount of water would flow out of the village as surface flows through streams. During monsoon months this surface flow would increase substantially. A portion of the rainfall percolates into the soil and travels to the underground strata and re-charges the aquifers. Some of it flows into and becomes available for use through wells and bore wells and a portion of it goes into very deep aquifers that do not become available. Some of the underground water becomes part of flows that eventually appear in streams or rivers.

Water for agriculture: Water reaches the root zone of crops either through rainfall or some process of irrigation. There's a capacity of the soil to store moisture. If there's excess water, such as a flood, and this isn't able to percolate below it would damage the roots. On the other hand, in a drought situation, if there isn't enough moisture in the root zone, the crops will wither/ wilt.

Water use for domestic purpose and for animals: Water used for drinking, cooking, washing, cleaning and for animals is vital. Planning for this component is needed to increase the availability so that a minimum amount is actually made available to all, irrespective of their income.

Water for industrial use: Water is required for manufacturing processes and this demand often competes with domestic and agricultural uses. This needs to be taken into account as this conflict is on the increase. The challenge areas facing industrial use are recycling of water and control of pollution.

What is available to a region or a village does not only depend on the inflows but also what is already available as 'stock' that we use. We often have to keep this distinction between stock and flow clear in our analysis. For example imagine a tank that is constantly being filled by an inlet pipe and water is also constantly used by an outlet pipe. We can measure the inflow as the amount of water liters/ minute and the outflow similarly as the water liters/ min that flows out. The amount of water in the tank keeps varying but at any one moment in time, say at 8.30 am, we can measure the amount in liters. This is the stock of water at that time.

A village may have tanks, ponds, lakes, these are all surface storages. Most villages in India draw water from wells and tube wells. They are dependent on ground water storage. These inflows and storage are connected. While some of the water flowing in is used directly, one part of this is recharging or replenishing the storage. Similarly, the use of tube wells draws water from storages and lowers the water available in them. Depending on comparative rates of inflow and outflow we can judge what is happening to the stock of water over many years. The question that we face today is the depletion of ground water storages and a tendency not to care about the availability for future generations.

The annual flows and stocks that recharge wells and tube wells is the water that is available for use. We should keep our needs in this range. When we dig into deeper aquifers - this is like mining water that has collected over thousands of

years. This is to be done only in extreme drought situations and replenished in good rainfall years. We will come back later to this question of ‘sustainability’.

Water use in the Tungabhadra river basin

Tungabhadra, shared by the two southern states of Karnataka and Andhra Pradesh, is a tributary of the larger river system Krishna. It originates in the Western Ghats with a catchment area of 71,417 km², of which 57,671 km² are in Karnataka. The Tungabhadra basin has two parts: 1) the upper and middle catchment in Karnataka, and 2) the lower portion of the catchment in Andhra Pradesh.

According to official statistics, farmland is the main land cover in these states.

- On a map of India trace the course of Tungabhadra river.

Others such as trees, groves, fallow land, cultivable waste, permanent pastures, forests and natural vegetation cover the rest of the area. Some of the

territory is used for storage by water harvesting systems called tanks. The lower portions of the basin, in Andhra Pradesh are characterised by lower rainfall and drought conditions. Some regions depend on rainfall and underground water (wells and tube wells). Other areas depend on surface flows by canals that carry water from dams built along Tungabhadra. There is a lot of difference in water availability between these two types of regions.

Encroachment of public lands for cultivation is common. It results in more

land being brought under cultivation at the expense of tree cover. Rampant felling of trees and mining activity is resulting in forest degradation, along with the destruction of the habitat of highly threatened flora and fauna. Inflows of groundwater depend on the tree cover in the catchment areas. Inadequate tree cover leads to water run-off as surface flow without getting a chance to recharge the underground system. Moreover this also causes flash floods. If we wish to be fair to both the rainfed and canal irrigated regions, we must adopt a different plan for water conservation and a system of sharing water.

Tungabhadra dam has gradually lost its water storage capacity over the decades. About 50 years ago, the capacity of the reservoir was 3,766 million cubic meters, now with accumulation of silt due to mining, dust, soil erosion, debris, the



Fig 5.2 : Tungabhadra Dam Construction - 1952

reservoir has lost its storage capacity by as much as 849 million cubic meters of water. As one study says, “No proper mining standards are followed in iron ore extraction. The mining of iron ore at Kudremukh and manganese in Sandur has seriously affected the stability of the catchments in the form of soil erosion and siltation of several small reservoirs, traditional tanks and Tungabhadra reservoir.”

Conflicts between Karnataka and Andhra Pradesh are generally related to what is available for use. Water is a flow resource and its storage or use upstream affects what is available to people downstream. Water is shared based on agreements between state governments.

Access to water is a precondition in this farmland area where 80% of the population depending on agriculture for their livelihoods. Irrigation is provided through canal systems, while in rainfed regions farmers extract groundwater through bore wells. The major crops grown include paddy, jowar, sugarcane, cotton and finger millet.

Although the area is ideal for semi-arid crops, the major crops grown demand a lot of water (paddy and sugarcane). Cultivation of such crops throughout the basin has dramatically altered the water sharing balance. When all areas desire water for these crops, conflict becomes inevitable. Hence, there is a significant difference between those farmers with access to land and irrigated water, and those without access. For a fair use of water for all, a change in cropping pattern would have to be encouraged throughout the basin.

During the last two decades there has been an increasing trend in the number of small towns and industrial areas. This has made the competing demands for water more complex. While increased industrialisation and growth of urban areas have improved standards of living for some, the same activities have caused pollution especially by industrial units. There are 27 functioning large units and 2543 small units in this river basin. They consume a big amount of water per day. Industries were permitted to discharge effluents into the river but following public protests in 1984 regarding discharge of molasses that killed fish on a large scale, laws were enacted requiring industry to discharge only treated effluents. These laws are not implemented forcefully. Hence, severe pollution of the river system continues.

There has been a mismatch between keeping pace with development activities on various fronts and providing sanitation and drinking water supply for all sections of society, both in small towns and rural areas. Some say that drinking water and sanitation are basic needs and a minimum amount has to be provided irrespective of the ability to pay for these. When we experiment with metered water we have to allow that a certain section of society would not be able to afford the water that they must get as a basic requirement. A report for this river basin says, “...provision of drinking water to townships is not planned well, particularly the small towns have serious access and equity related issues, more so during summer.”

- How would it help if there was a government river basin authority for overall planning of water use?
- What are the different conflicts in the use of water for Tungabhadra river basin?

Thus, the socio-economic aspects are of very important to water use management. Conflicts within communities in a region and across sectors such as use for agriculture, industry or drinking water are common. Apart from this, interstate disputes between Karnataka and Andhra Pradesh arise due to the trans-boundary nature of the river.

Rational and equitable Use of water - an example

We have read about the use of water and the need to look at all the inflows and outflows so that a judicious use and with fairness can be worked out. This could be for a river basin or a village. Such plans and implementation schemes are possible. Hiware Bazar village is an example.

Hiware Bazar was selected under the Adarsh Gram Yojana of Maharashtra government for watershed and all-round development of the village. Hiware Bazar is located in Ahmednagar district in Maharashtra. It is situated on the eastern (rainshadow) side of the Sahayadri mountain ranges that run north-south and separate Konkan, the coastal region, from the rest of Maharashtra. Ahmednagar district is drought prone with an average annual rainfall of about 400 mm.

The soil and water conservation works in Hiware Bazar were implemented on common lands and on private grasslands. Continuous contour trenches (CCTs) were dug on the hill slopes to arrest the erosion of soil, harvest water and encourage growth of grass. A number of water harvesting structures were also built in the village - check dams, percolation tanks, and loose boulder structures. Plantations on forest lands and roadsides were also part of the programme.

When Adarsh Gram Yojana was launched in Maharashtra, there were also some pre-conditions set for selection of villages. Most important were the four *bandis* (or bans) made famous by the Ralegaon Siddhi experience. The four *bandis* were *kurhad bandi* (ban on felling trees), *charai bandi* (ban of free grazing), *nasbandi* (family planning), and *nashabandi* (ban on liquor). People also had to agree to a certain amount of *shramdaan* (voluntary physical labour), except for the landless who were exempt from it.

The significance of these five ideals needs to be understood keeping in mind the situation in Hiware Bazar at that time, the late 1980s. Tree felling and open grazing was common amongst both rich and poor households. The surrounding hillocks, according to many local people, had a barren look, soil erosion was prominent and groundwater levels very low. In addition to this, fodder and fuel wood shortage were common in the village. Though there was a ban on free grazing people were allowed to cut grass and carry it to feed animals.

There are other bans in the village which were added later. Most significant was the ban on borewells for irrigation, growing sugarcane and banana and selling one's land to any outsider. These measures illustrate that issues of long-term sustainability (especially in terms of water use) were very much central to the strategy. The *bandis* were not mere proclamations but ways of community building aimed at people identifying with the common purpose. But it was not always a smooth affair.

The area irrigated for summer crops has increased from 7 ha to 72 ha. In a year of normal rainfall, there is enough water in the wells to irrigate not only the kharif bajra, but also the rabi jowar and some summer vegetable crops. Even in unirrigated land, the improvement in soil moisture level has helped to increase productivity. The range of crops is also considerably more diverse than in the past with people growing cash crops such as potatoes, onions, fruits (grapes and pomegranates) and flowers, and wheat. Perhaps the most significant development is that increased water availability has made a second crop possible and hence migration elsewhere has reduced. Although this has not meant that small and marginal farmers are able to eke out a living on their own lands only, it has made their lands much more productive. The conditions of wage employment have also improved with wage rates going up – though they remain on the low side.

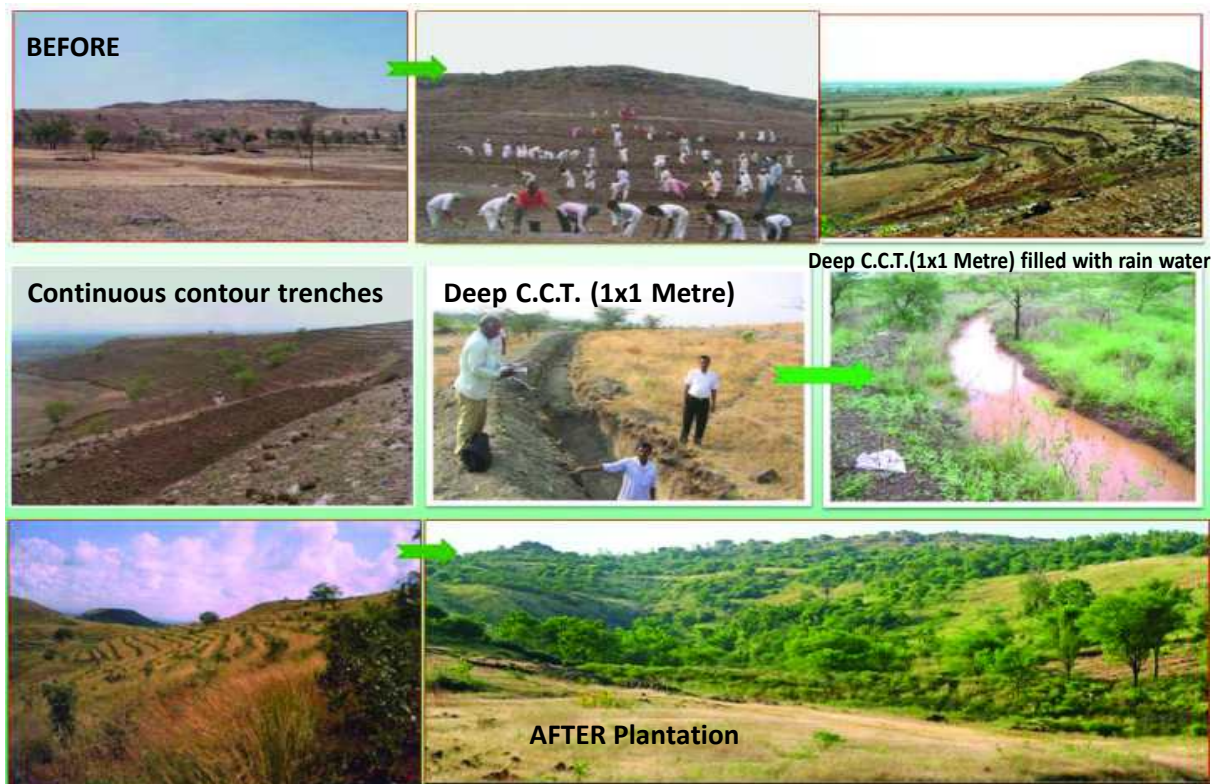


Fig 5.3 : Hiware Bazar - before and after soil and water conservation works

The main thing is the social control over ground water extraction and use – no borewells for irrigation (only for drinking water), no water- intensive crops like sugarcane. Water for irrigation should be taken only through dug wells. They also worked out certain thumb rule type of things like if they get good rainfall then they can take full rabi crop, if the rainfall is less then they bring down the area under rabi, etc. They keep rainfall data meticulously and use it for crop planning and water use prioritisation. Because of this even in years of continuous drought there was no drinking water shortage. This is mainly because they plan according to the water available.

The improvement of the livestock economy has also helped marginal and small farmers significantly. Concerted efforts have been made to promote Hiware Bazar's dairy industry as a means to improve the livelihood of all. Loans have been given to many small farmers. As a result, the number of milch animals in the village has increased. These developments are clearly linked to the fact that fodder availability has increased due to better productivity. Milk production in the village has also witnessed a more than 20 fold increase from 140 to 3,000 litres per day.

However one of the learnings has been that groundwater extraction cannot

- Underline sentences that reflect efforts taken for water conservation in Hiware Bazar.
- What was the effort for planning agriculture according to the available water ?
- If you have access to internet, watch a documentary about Hiware Bazar at <http://bit.ly/kothL1>

be controlled at a small unit or within a village boundary. Neighboring villages started going for deep borewells and started extracting groundwater over which Hiware Bazar had no control. Hence we need institutional norms and understanding at a much larger unit like sub-basin or river basin.

Water as common pool resource

Over the past few decades groundwater has become the main source, especially for domestic use and agriculture. This tremendous increase in the use of groundwater has significant impact on water availability and access to it.

The current laws about groundwater in many states are both outdated and inappropriate. They were developed at a time when groundwater was a marginal source of water. Today shallow and deep tube wells have the potential to draw a lot of water. What should be the judicious way of using this water?

Current laws on ground water use are inappropriate because the basic link between access to groundwater and land ownership on which these rules are based are flawed. Since groundwater has to be extracted from the land above, a link was established between land ownership and control. The water drawn from the

underground system was assumed to be 'owned' by the landowner. This implies that groundwater is mostly controlled by individuals that own the land. Land owners were not restricted in the amount of water they can take out.

Why is the above understanding flawed? Underground water does not obey human land ownership boundaries that are made on the surface. Water is a flowing resource and what is extracted from an individual tube well or well depends on the underground rock formation, the recharge from rainfall or surface water. All these factors are happening over a large area. Hence the actions of others in the region will affect this particular well. For example, over-extraction from one tube well often dries up other tube wells around. Each one competes to go deeper than their neighbour and soon all tube wells up to a certain depth dry up, since these wells are interconnected by the underground structures in the region. It is therefore inappropriate to think of 'ownership' of a flowing resource such as water. Compare this to the air over the plot of land - it is always flowing and there's no way one can create boundaries. Similarly there are no boundaries in the flowing water underground.

Today this is the major source of water for people. When there is so much extraction it affects others in connected areas. It affects the stock of water that would be available for future generations. Therefore one can't allow individual landowners to extract as much water as they wish from their land. There should be some restrictions. These restrictions will be acceptable if we first delink the connection between ownership of land and water drawn from the underground system through tube wells on the land.

Where control over groundwater is linked to land rights, there are no pressures on individual landowners to use water in a fair manner. Nor is there any way to implement policies that take into account the welfare of a broader community and the environment. In what is, for all practical purposes, an unregulated system, there is, for instance, no authority that can determine how many wells, handpumps and other tubewells can be sunk in a given area. Some form of regulation that takes into account the broader aspects of groundwater use is necessary. Therefore water should be thought of as a collective pool resource that is meant for all people. Similar to roads, rivers, and parks, underground water is also 'public property', it belongs to all. While this is being recognised today, by some state governments, it has still not become widespread.

Regulation is not easy. This is also because for some resources like water, electricity, oil, natural gas etc consumption by one person or a sector affects what is available for others. In fact, in a number of states, the answer to falling water tables has been not to address the issue itself. State governments have thus often chosen to increase power subsidies to make extraction of ever deeper layers of groundwater possible. The limits of an approach that not only refuses to control access to groundwater but seeks to encourage it with specific subsidies have been

clearly understood. The political thinking has to change to make regulation work. This is the only way to stop the negative competition to finish off the common pool resource, since each person wants their share before someone else. This is the real contemporary challenge.

What is required are laws and rules to recognise that water is a common flowing resource. Drinking water is the first priority as well as a human right and that panchayati raj institutions must have control over the use of groundwater.

Let us see the dispute over water use between the Perumatty Grama Panchayat in Kerala and the Coca Cola Company. The Panchyat decided not to renew the license for extraction of water because of the lowering of the water table in neighbouring areas. There was also decreasing water quality to the extent that the local government primary health centre had concluded that the water was not fit for drinking. The issue was brought to the courts and is now pending in the Supreme Court, as on January 2014. The two decisions given by judges in Kerala gave two opposing views of groundwater regulation. The first judge found that groundwater is a public resource meant for all, and that the state has a duty to protect it against excessive exploitation. Additionally the judge made the link that drinking water is a priority. The second judge took a completely different perspective and asserted the primacy of landowners' control over groundwater. These two contradictory decisions illustrate the confusion over our laws today.

In conclusion

In the first section, we looked at the river systems and the diverse physiographic conditions that we find in India. Water use for any region, whether

- Should groundwater regulation be primarily community-led, as in the case of Hiware Bazar?
- “The groundwater laws are both outdated and inappropriate.” Explain.
- Should groundwater be considered a common pool resource? Explain your view.

small watershed or river basin, has to take into account all the inflows and the outflows. With this background we can understand the inefficient and unfair ways through which water is currently used. How we could be more judicious and fair is examined through the case study of Tungabhadra river basin. This is a complex exercise, but possible. Similarly, for a small region through

careful planning and social initiative a more judicious use of water for all is feasible. We looked at the effort of the people of Hiware Bazar village and hope that people all over would be inspired towards creative action in their situation. Water resources require both collective action at the local level and appropriate laws and policies at the state and national level. Through the example of groundwater we can understand the shortcomings in our thinking today.

Key words

Flow resources Groundwater Drainage Water Sharing Law
Watershed Catchment Area Drought Percolation

Improve your learning

1. Create a table to describe major river systems in India with the following items: direction of flow, countries or regions through which they pass through, and relief features of the areas.
2. Identify and list arguments that would support or oppose use of groundwater in various contexts, such as agriculture, industry etc.
3. What are the different inflow and outflow processes in the context of water resource?
4. Which of the inflow or outflow processes has most impact in the context of groundwater resources?
5. Make a list of challenges faced in the water resources in the Tungabhadra basin. Identify the solutions that have been discussed in the context of these problems either in this chapter or elsewhere in different classes.
6. There has been various ways in which changes occurred in the context of water resources. Describe the positive as well as negative social changes that got reflected in this chapter.
7. Which aspects of farming practices were regulated in the context of Hiware Bazar to improve the water conservation?
8. How significant are the laws, people's actions, in the context of water resources? Write a short note based on the ideas discussed in the last two sections of the chapter.
9. If you have access to internet, visit www.aponline.gov.in and learn more about Andhra Pradesh WALTA Act.
10. In what ways is water bought and sold in your area and for what purposes? Do you think there should be some checks and balances for this? Discuss.

Project

Think of plans for your village or locality, which if implemented would help everyone.

The People



Map 1 : If we were to show the area of countries on the basis of population it would look like this. How is it different from other world maps? Discuss.

Population is a pivotal element in social studies. When we refer to ‘development for all’ it is people that we have in mind, especially to include those who are normally marginalised in the process of development. The idea of equality is used with reference to people. On the other hand, you often hear people blaming “population growth” for all problems that we face. They blame the lack of jobs, food, and resources on the fact that we have to share this with many people. Ninety two percent of the working people in India are in the unorganised sector. They have to struggle for work and have no other social security apart from their families to support them. How do we make sense of these contradictions? It is important to understand population numbers, its distribution and characteristics that provide the basic background for understanding and appreciating the other aspects.

- Talk to a few people in your neighbourhood who have different occupations and incomes. Find out about their views on the ideal family size.
- Have you ever wondered how information about the people living in your locality or village, and the country as a whole is collected and recorded? Ask your teacher to explain their experiences of collecting census data.
- What is the difference in collecting information using a census or a sample method? Discuss with few examples.

The census of India provides us with information regarding the population of our country. A census is the procedure of systematically acquiring and recording information about the members of a given population. Once in ten years information is collected about all people living in India. The people who do this survey go from house to house and find out the number of people living in every house in every village, town and city. This census provides us with a lot of information such as how old people are, their occupation, houses, education, religion etc. The Registrar General & Census Commission of India, organises the collection and recording of this information.

Census in India

In India the first census was taken in 1872. The first complete census however was taken in 1881. Since then censuses have been held regularly every tenth year. India's population as of 2011 is 121,01,93,422. Out of these 1210 million people, 623,724,248 are men and 586,469,174 are women.

Before we find out more about the census, let us survey our own area and examine the kind of work done by the census.

Conducting a Survey

- Each group of two to three students will collect data from 10 families of their locality. The survey form is given below.
- Each group will fill in the details and construct the tables indicated.
- Based on the tables presented by each group, the class will discuss the questions.

Household 1 Name	Male	Female	Age	School Education	Occupation for 15 +
Household 2 Name					

Before the survey:

- The class needs to discuss and arrive at a common meaning for all the terms used in the survey form. Otherwise there will be confusion in the actual survey and we would not be able to compare the result of one group with another. With the help of your teacher discuss the following:

1. How would a “household” be defined? Whom all would you include?

2. For “Education”, what are the categories that you would use?

Examples: child below six; studying in school/ college, class....; should be in school but not enrolled; studied up to class ..; did not attend school

3. What categories would you use for occupation?

Examples: Homemaker, Student, self-employed as..., Unemployed, retired, non-employed, senior citizen

After the survey:

A) Each group would construct a table to show number of people in the surveyed families:

Male	Female	Total Population

B) What is the female/ male ratio for your group? Are the ratios very different among the groups? Discuss.

For all children 6-14 years			
Children	Male	Female	Total
At school			
Dropped out			
Never enrolled			

C) What is the percentage of dropouts & never enrolled children as a whole- for all groups? What are the reasons for this?

D) For those above 20 years, what is the average time they have spent at school? Find this for your group. Is this data useful?

E) For all people in the age group 15-59

Occupation	No	%
Self-employed		
Homemaker		
Job		
Unemployed		
Student		
Total		

How do you classify those who are “working” and those who are “dependent” in your sample?

What does the census show?

Age Structure

The age structure of a population refers to the number of males and females in different age groups in a country. It is one of the most basic characteristics of a population. To an important degree, a person's age influences what she requires, her capacity to work, whether she is dependent on others, etc. Consequently, the number and percentage of children in a population, people of working age, and aged persons are notable determinants of the population's social and economic structure.

The population of a nation is generally grouped into three broad categories:

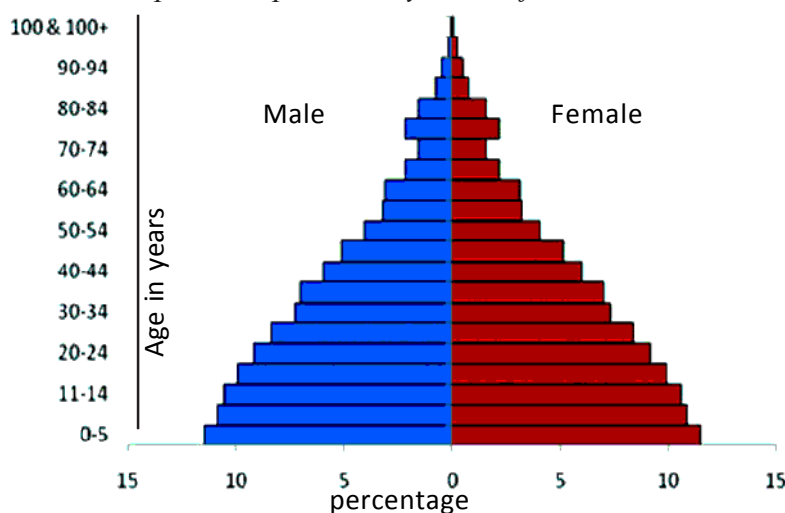
1. Children (generally below 15 years) : They are taken care of by the family and like everyone else they require food, clothing, education and medical care and all other opportunities for growth. However, usually they do not earn their income to support themselves. It is not desirable that some children are forced to work because of economic conditions.

2. Working Age (15-59 years) : Usually this group forms the working population in a society. They are also biologically reproductive. Most people in this age group desire decent income and security of work. Children and the aged often depend on the earning of this group.

3. Aged (Above 59 years) :

Those who have been in a salaried employment or in organised sector may get retirement pension. However, a vast majority of agricultural labourers, domestic workers, construction workers, and others usually continue their work as long as it is physically possible. These groups also depend on their families for support in old age when unable to work. It is also possible that their medical expenses are higher than that of other age groups.

Graph 1 : Population Pyramid of India, 2011

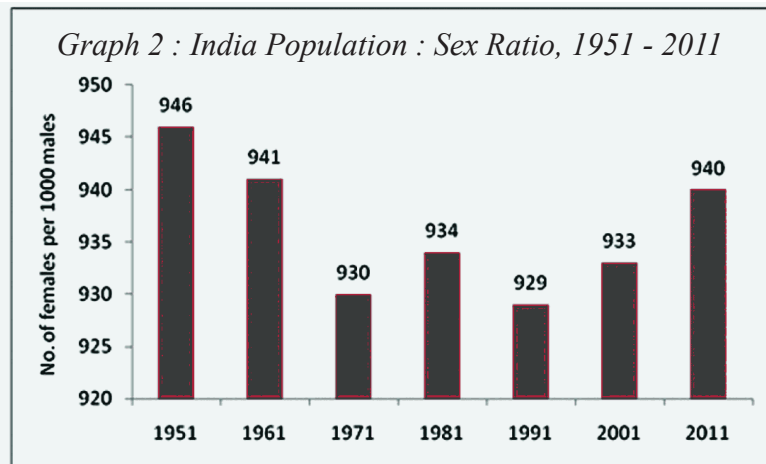


- From the age pyramid above identify a rough estimate of the percentage of children in the population.
- Based on your survey present following items in a table : Population, Children, Working, Aged,

Think of various ways in which government should have special schemes for different groups. Examples could be midday meal schemes; anganwadi programmes etc. Why are they necessary?

Sex Ratio

Sex ratio is the number of females per 1000 males in the population. This information is an important social indicator to measure the extent of equality between men and women in a society. You have calculated this for the families that you surveyed. Now examine these figures for the country as a whole.



that you surveyed. Now examine these figures for the country as a whole.

We notice that the number of females in India has consistently been lower than that of men. This female/ male ratio, the 'sex ratio' is a cause of concern since it indicates a hidden form of discrimination. Women and girls in particular

face unequal opportunities for education and development. In the most basic needs of nutrition, child care and health also they are discriminated against – they get less of these things than males. This happens within the same family. This discrimination is not always obvious.

Medical research shows that given similar circumstances, girl children survive much better than boys. Hence if there was no discrimination, the number of girls should be higher or as much as boys. From the census survey, we get another indicator. In India, 103 female babies are born against 100 male babies. However, more female babies die than male babies. The census shows that in the age group 0-5, the number of girls who survive is much lower than boys. This can only happen if there is some discrimination in their care and nutrition because otherwise the physical chance of survival is better for girls.

The other evidence that we have is from comparative figures. If we look at societies or regions that have provided equality for women and provided equal opportunities for them, the sex ratios are different. Regions that have unequal gender relations that favour the males and discriminate against the females tend towards unequal sex ratios. This can happen even though they have high incomes. For example, look at the following data:

Area	Haryana	Punjab	AP	Kerala	USA
Sex ratio	870	880	970	1040	1050

It is noted that within India certain parts like Kerala have a positive sex ratio while some other regions are extremely biased against women. A distressing aspect of gender bias in India that shows little sign of going away is the preference for boys over girls. One of the worst manifestations of this pro-male bias is the relatively higher mortality rates of girls compared with boys. This is mainly because of the quiet violence of the neglect of their health and illness in comparison with the attention that male children receive. There has also been the case of female fetus infanticide. Due to the preference for male children parents may decide to abort the female child before birth. Many families consider female children as a burden. Studies have shown that male priority in health continues for adults, raising the mortality rates of even adult women above those of adult men.

Women's education has been a powerful force in reducing discrimination against women. There is definitive evidence that women's literacy and schooling reduce child mortality and work against the selective neglect of the health of girls. To understand such situations discuss the questions on the right and whether this would impact the sex ratio.

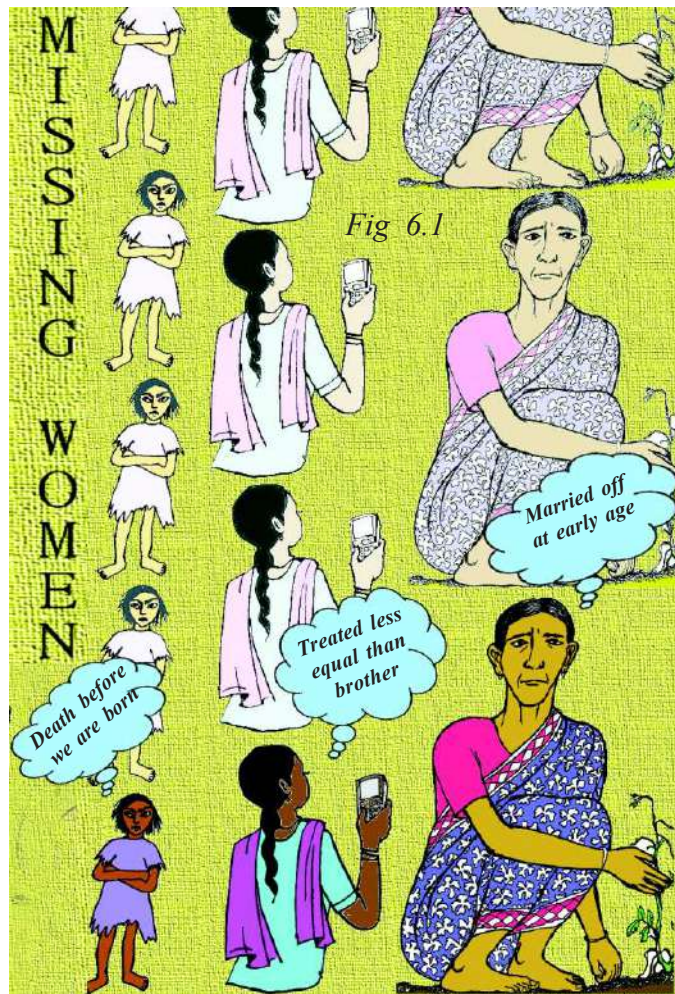


Fig 6.1

- Do girls get similar opportunities for further studies as boys?
- Do married women have opportunities for travel and work outside home?
- Are women expected to maintain a separation from their natal family and not ask for security or property rights?
- Is there a strong boy preference in your region?

Literacy Rates

According to the Census of 2011, a person aged 7 years and above who can read and write with understanding in any language, is treated as literate. Literacy is a key for socio-economic progress.

- Find out if there are illiterate people in your village or town. What does your survey reveal?
- Discuss: How does literacy impact development?

At independence in 1947, 12% of the population was literate. In 2001 it was 64.84%. It grew to 74.04% by 2011. However, the 2011 census shows that there is a wide disparity in literacy rates for men (82.14%) and women (65.46%).

Working population

It was pointed out earlier that those who are in the age group 15-59 are working people. They might work the whole year or only a part of the year. This depends on the availability of work. As discussed earlier this does not cover the unpaid work of

Table 1 : Distribution of workers as per Census -2011

Workers	Percentage of workers
Cultivators	25
Agri. Labourers	30
Workers in household industries	04
Other workers	59
	41

home makers (see Table 1).

The Census of India groups them into four categories. Cultivators are farmers, who farm or supervise the land that they own or take on rent. Agricultural labourers are those who work on another's farm for wages in cash or kind. Workers in household industries would be those who are manufacturing or repairing some product at home such as dehusking of paddy, *bidi* workers, potters, weavers, repair of footwear, manufacture of toys, matches, etc. Other workers would be those who are employed in factories, trading, casual labour and all other occupations.

- How is an agriculture labourer different from a cultivator?
- Compare the type of workers that you find in your survey with that of the Census?

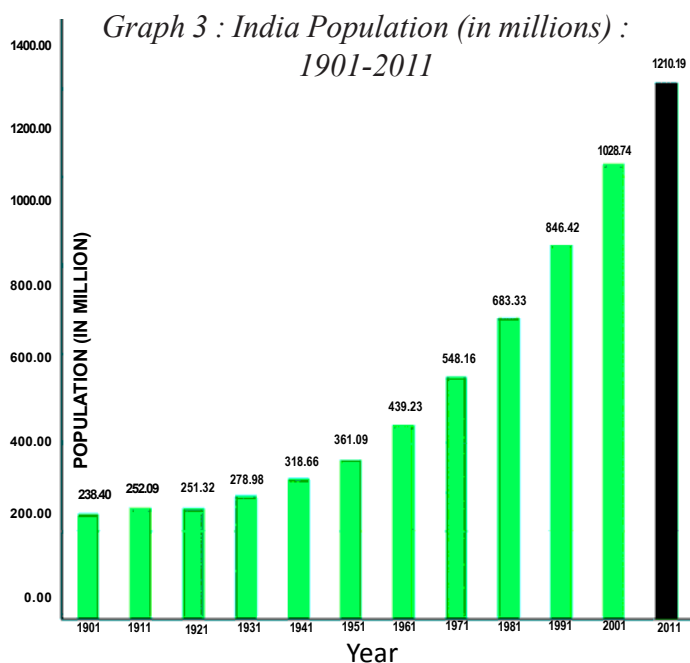
Changing population size

Population is dynamic. The numbers, distribution and composition of the population are always changing. This is because of the interaction of the three processes: (1) births, (2) deaths and (3) migrations.

Change in the size of a population is the difference in the number of inhabitants of a country/ territory during a specific period, say during the last ten years. Such a change can be expressed in two ways: (1) as absolute numbers, or (2) as percentage change.

The absolute numbers added each decade is the magnitude of increase. It is obtained by simply subtracting the earlier population (e.g. that of 1991) from the later population (e.g. that of 2011). If the result is a positive number, the population has increased. If it is a negative number, the population has decreased by that number.

Population change (absolute numbers) = (population at later date) – (population at earlier date)



Observe the increment in population of India and its growth - 1901-2011 (Graph 3)

In which year did the population decrease?

From which year onwards is the population continuously increasing?

What could be the reasons for the speed with which increases took place after Indian independence?

Population change in a place = (number of births + number of in-migrants) – (number of deaths + number of out-migrants). A positive number means the population has increased by that number. A negative number shows it has decreased by that number.

Assume for the moment that there is no migration. In order to calculate these increases we examine two rates. (1) Birth rate is the number of live births per thousand persons in a year. In 1992 the birth rate in India was 29. This means that for every 1000 people living in the country during that year 29 live births took place. (2) Death rate is the number of deaths per thousand persons in a year. For the year 1992, for every 1000 persons living at that time 10 people died during the year. Therefore 19 people for every 1000, was the addition during the year. This number can be expressed as a percentage i.e. 1.9%. Hence we say that the population growth rate was 1.9% for the year 1992.

The rate or the pace of population increase is important. It is studied in per cent per annum, e.g. a rate of increase of 2 per cent per annum means that in a given year, there was an increase of two persons for every 100 persons in the base year. This is calculated year by year like in compound interest. This is referred to as the annual growth rate. India's population has been steadily increasing.

In order to examine causes for the growth of the Indian population, as seen from the graph above, we need to look at both death rates and birth rates. There has been rapid decline in the death rates but till recent times birth rates were not decreasing substantially. From 1900 onwards and especially post independence impact of famines declined because of famine relief, movement of grain, ration

shops and an active public voice in a democracy. Similarly epidemics such as cholera, plague and to some extent malaria were controlled. Polluted water, congested living and un-cleared garbage were the real causes of several diseases. That these have to be met with better sanitation, clean water and nutrition began to be accepted and several steps were initiated. Later on advances in medicine, especially antibiotics and vaccines contributed to better health care. Compared to 1900, death rates fell rapidly. High birth rates together with declining death rates led to higher rates of population growth.

Why did birth rates remain high for such a long period? One set of reasons has to do with what has happened in the past. If in the overall population the percentage of young people is high, then in the coming years they would grow up, get married and have children. The total number of such children added would be high, because we began with a population with a large number of young people.

The other reason is the number of children that couples wish to have. This in turn is related to how many children survive, what social security people have and the preference of male child in society. For example look at three generations of Umed Singh:

“Umed Singh’s grandfather and mother died because of a plague and cholera epidemic. His father, born around 1900 was brought up by his uncle. They owned some land but faced constant crisis, sometimes crop failure and famine with an only occasional good harvest. Umed Singh’s father had nine children but six of them died very young. Out of the three surviving children, one was

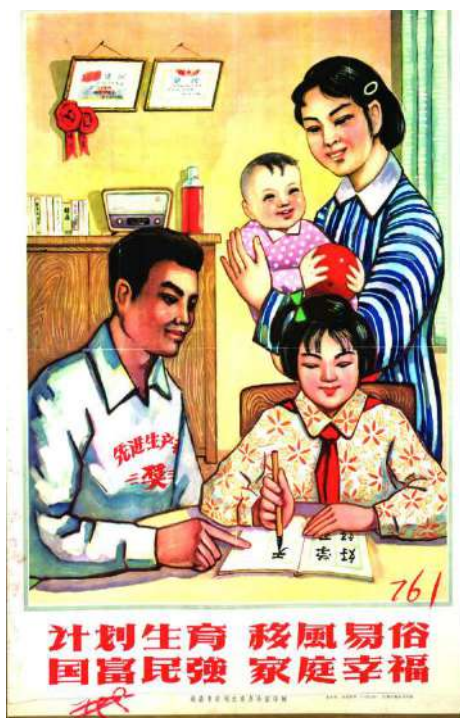
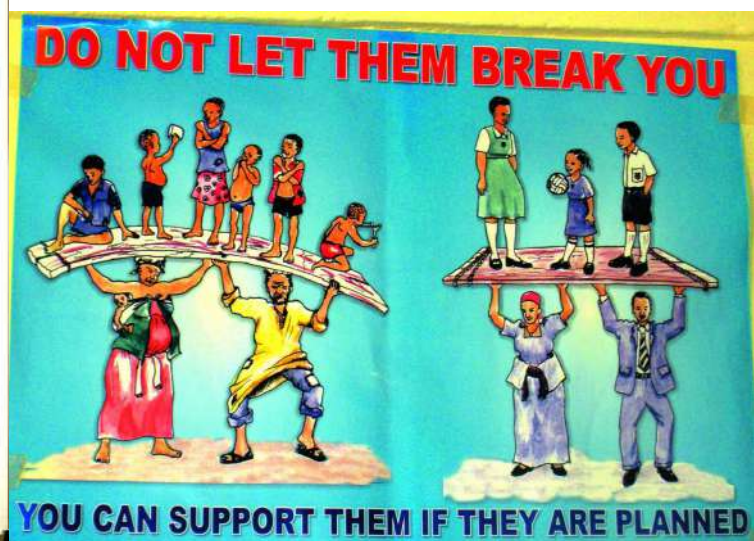


Fig 6.1 : Here are two posters from other countries. Can you guess the message given in them? Have you seen similar posters in India? Discuss.



Umed Singh, born around 1935. He has two sisters. Umed was able to go to a secondary school and become a policeman. Unlike his father he had regular salary and some income from land. Umed initially had two daughters but was worried about their survival. He also wanted a son. He then had four more children, three of them were sons. However, now Umed’s eldest daughter who has trained to be a teacher does not want more than three children.”

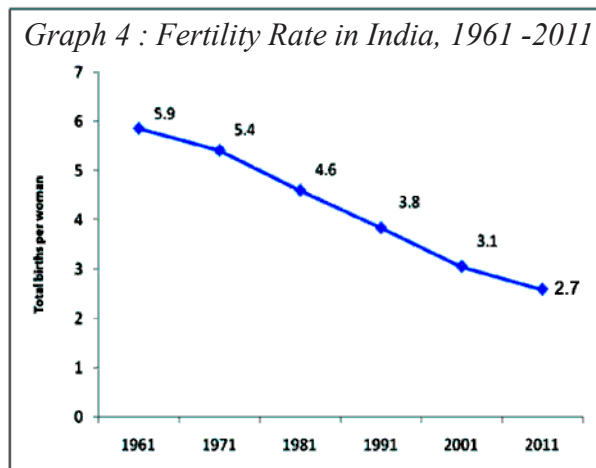
Table 2 : The Magnitude and Rate of India’s Population Growth (calculate the missing figures and write them down)

Year	Total Population (In millions)	Absolute increase in the decade	Percentage change in the decade
1951	361		
1961	439	78	
1971	548	?	
1981	683	?	
1991	846	?	
2001	1029	?	
2011	1210	?	

Since 1981, birth rates have also started declining gradually, resulting in a gradual decline in the rate of population growth. Calculate the % change over the decades 1951 to 2011 and see if this is happening in the table above.

How do we understand this trend? We use another concept called the Fertility rate (total births per woman). Total fertility rate is the number of children that is likely to be born to a woman if she were to live to the end of her childbearing years and bear children in accordance with current pattern. If this declines then we can say that couples are deciding to have fewer children. Factors both within the family and outside are contributing to these decisions. Examine the Graph 6.4.

The fertility rate for India in 1960 was more than 5.6, which indicates that on an average each woman was likely to bear five or six children. The family decides the number of children they want depending on security, opportunity for children and social norms. There have been some changes in this outlook. Present fertility rate in India is 2.7, Andhra Pradesh fertility rate is 1.9.



- When the fertility rate is near 2, what does this imply? Discuss.
- Talk to some couples who are recently married but do not have children. How many children do they plan for? What are the reasons?
- In your family trace the number of children for every woman in three generations. What changes do you observe?
- Use the survey you have done in groups and find out total number of women in the age group 45 and above and number of their children. What is the average number of children per woman in your sample?
- What are the factors that influenced the decisions about children for Umed Singh? Do you think his daughter is thinking in a similar manner?

The third component of population change is migration. Migration is the movement of people across regions and territories. Migration can be internal (within the country) or international (between the countries). Internal migration does not change the size of the population, but influences the distribution of population within the nation. Migration plays a very significant role in changing the composition and distribution of population. You will know more about migration in the forthcoming chapter.

We often hear people talk of population growth in alarmed tones. These people are often literate and talk about others not benefitting because there are too many people who have to share few resources. However, families decide the number of children they want to have based on many considerations such as the resources they own, their security in old age etc. Most often families with larger number of children are poorer than the

rest, don't own many assets, and rely on their children for old age security. How do we understand these different points of view?

Population density

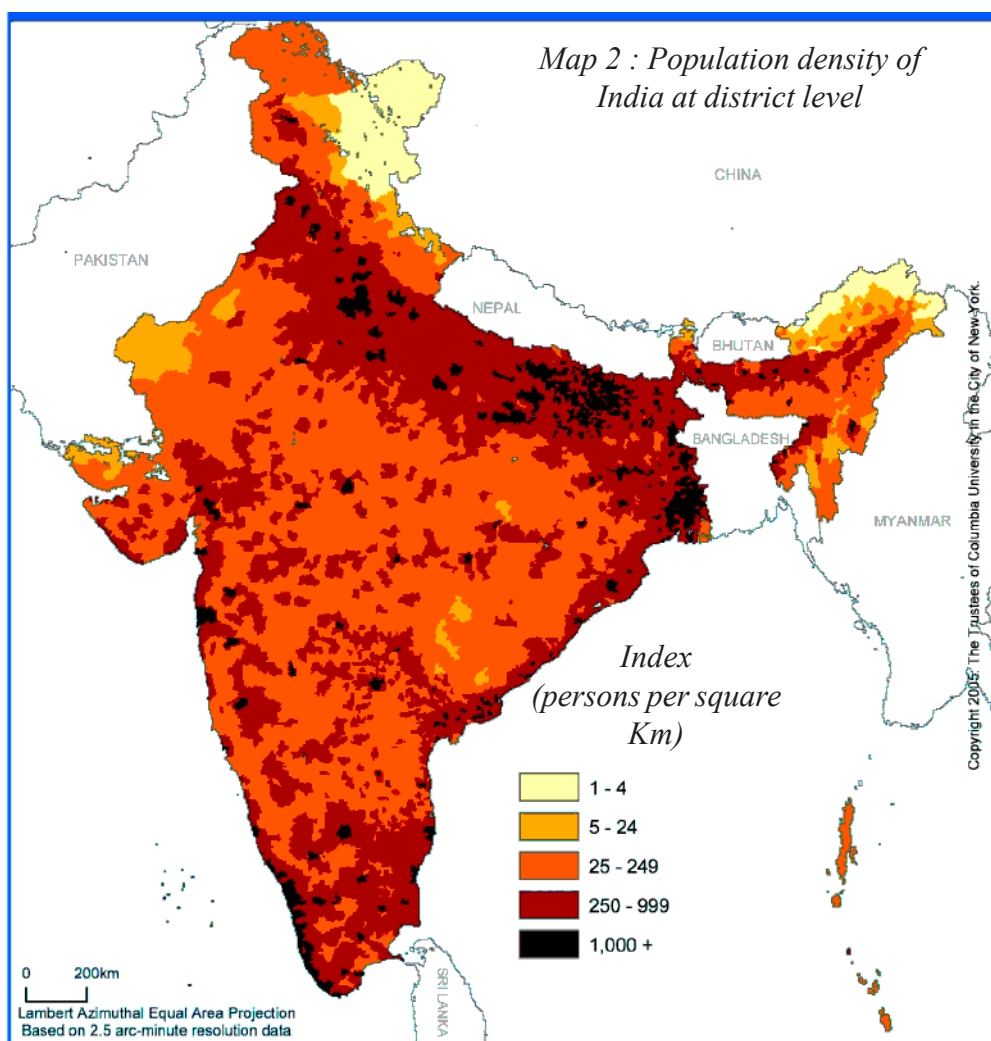
Population density provides a better picture of its distribution. Population density is calculated as the number of persons per unit area.

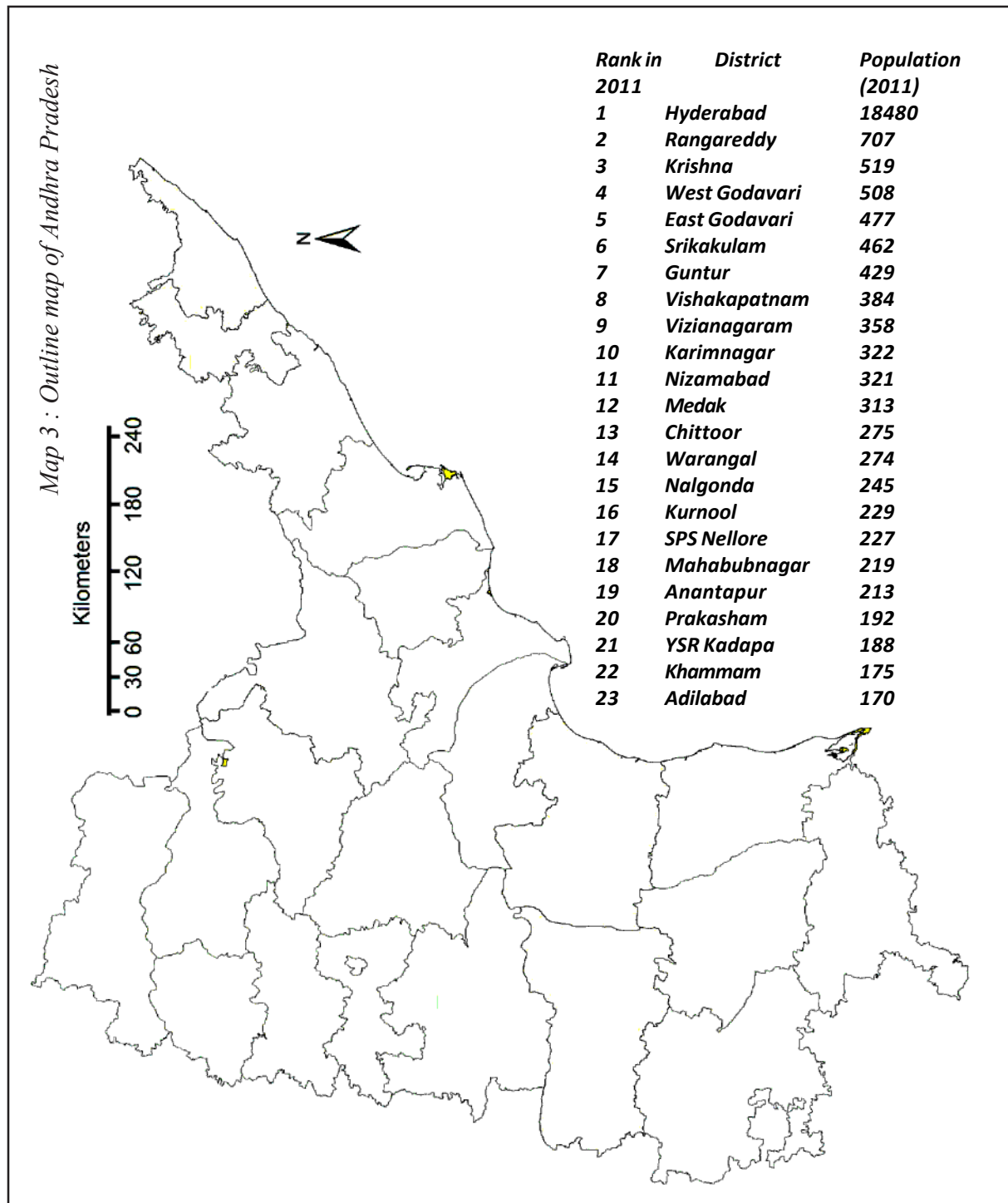
India is one of the most densely populated countries of the world. The population density of India in the year 2011 was 382 persons per sq km. Densities vary from 904 persons per sq km in West Bengal to only 13 persons per sq km in Arunachal Pradesh. Assam and most of the peninsular states have moderate population densities. Hilly, dissected and rocky nature of the terrain, moderate to low rainfall, shallow and less fertile soils have influenced population densities in these areas. The Northern Plains and Kerala in the south have high to very high population densities because of the flat plains with fertile soils and abundant rainfall.

Identify the three states of the Northern Plains with high population densities. How does the density of population vary so much? We have to examine the history

of the region, the terrain and climatic conditions to be able to understand this variation. For example in chapter 9 read the section on ‘Land and other natural resources’. Even though the fertile land & irrigation is able to support a larger population than before, the impact on each group is different, especially for small farmers and landless labourers.

- By which year was all the land in the village cultivated?
- How do you think landed people responded to increasing family’s size?
- What was the response of small farmers, like Govind, when families expanded? How far was tube well irrigation useful ?
- Look at the map 2. Find out if there is any relationship between relief features of India and population density. Identify major urban centers across the country. How do you explain the high population density in the cities?





Here are the data for population density of Andhra Pradesh -2011. On the above blank district map of AP plot them in ranges.

Compare a high density district and a low density district on the following

- Terrain and potential for agriculture development
- History of agriculture in that region- use of land, water and other natural resources
- Migration to or from that region and reasons for this

Key words

Population growth Population density Sex Ratio Fertility Rate
Population distribution Infanticide Literacy rate

Improve your learning

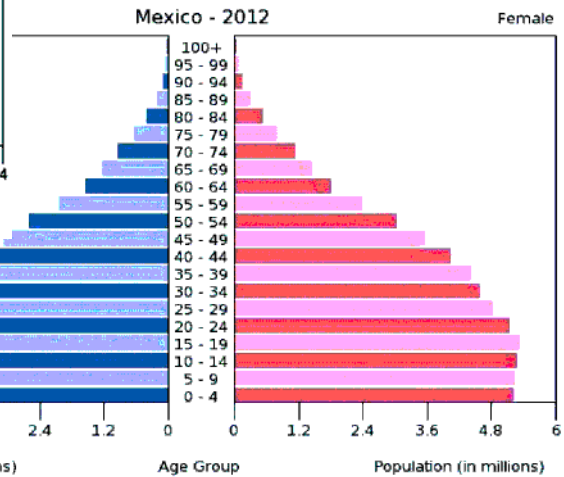
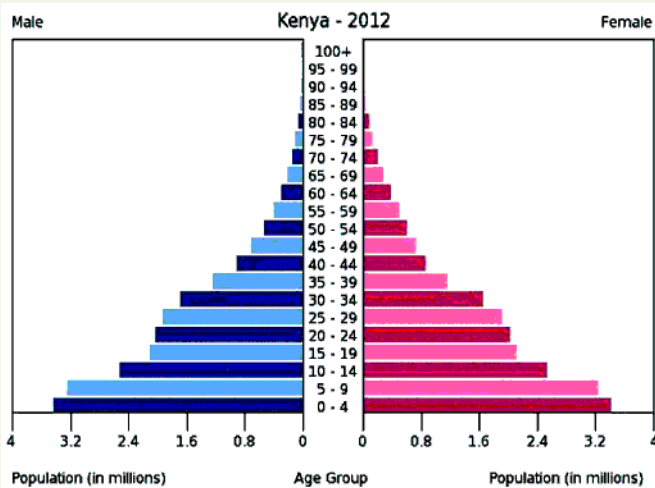
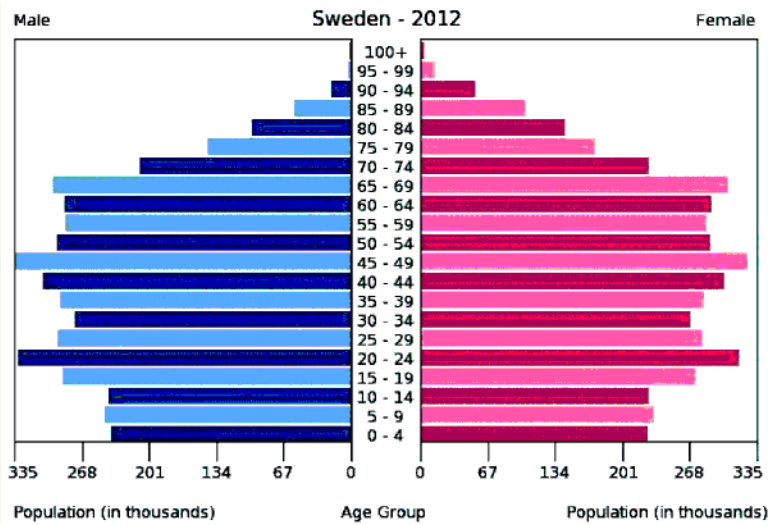
1. Identify the false statements and correct them:
 - a) Census data is collected every 10 years
 - b) Sex ratio refers to the number of female in adult population
 - c) Age structure shows us the distribution of people according to their age
 - d) Population density is higher in mountains as people like the climate there
2. Based on the following table answer the questions below.

World historical and predicted populations (in millions)

Region/ year	1500	1600	1700	1800	1900	1950	1999	2012	2050	2150
World	458	580	682	978	1,650	2,521	5,978	7,052	8,909	9,746
Africa	86	114	106	107	133	221	767	1,052	1,766	2,308
Asia	243	339	436	635	947	1,402	3,634	4,250	5,268	5,561
Europe	84	111	125	203	408	547	729	740	628	517
Latin America and the Caribbean	39	10	10	24	74	167	511	603	809	912
Northern America	3	3	2	7	82	172	307	351	392	398
Oceania	3	3	3	2	6	13	30	38	46	51

- Identify roughly how many centuries it took for the world population to double for the first time.
 - In earlier classes you had studied about colonisation. Look at the table and identify in which of the continents the population decreased by 1800.
 - Which continent has been most populous for most period of time?
 - Is there any continent that is projected to show a significant decrease in population in future?
3. List out the impacts on society if sex ratio is too low or too high.
 4. Compare Indian literacy rates with other countries:
Brazil , Sri Lanka , South Africa, Nepal , Bangladesh , Norway , Chile , Indonesia
What similarities and differences do you note?
 5. Which areas of Andhra Pradesh have high density of population and what may be some of the reasons behind it?
 6. Distinguish between population growth and population change.
 7. Compare the population pyramid of India with data of three other countries given here.

- Which country's population is likely to grow?
- Which country's population is likely to reduce?
- Compare the gender balance: What can you tell about each country's family and welfare policies?

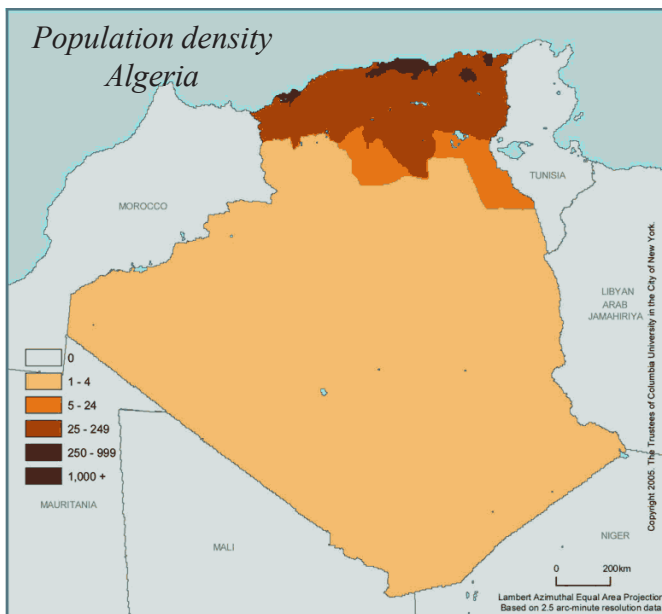
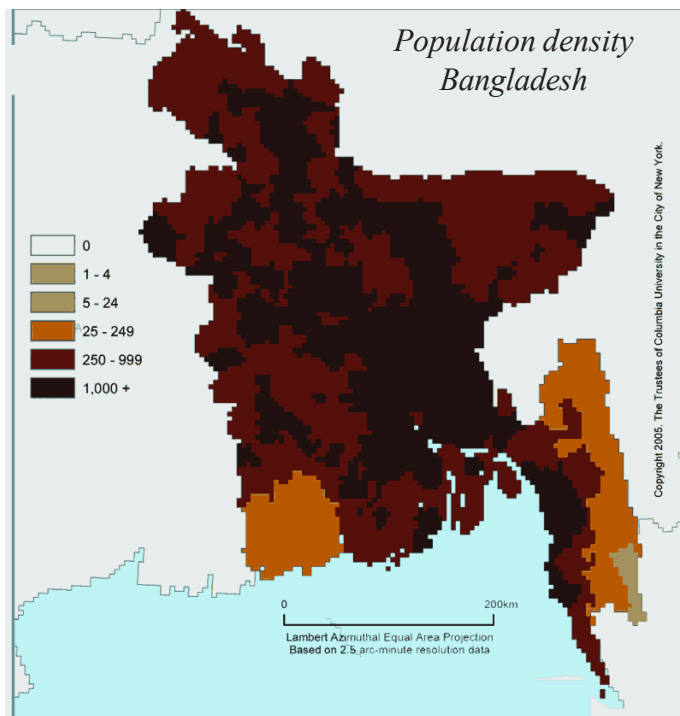


8. Map work:

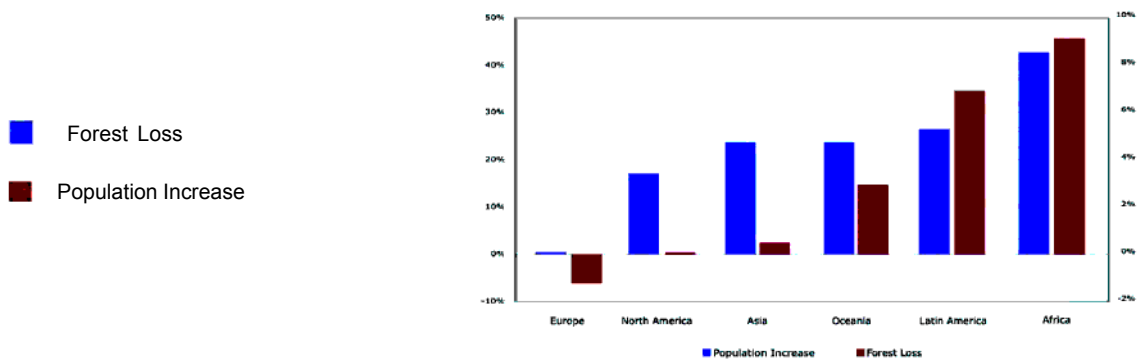
- On a blank map of India showing state boundaries, plot the state-wise population density based on the 2011 census by taking five ranges.
- On a blank map of Andhra Pradesh showing district boundaries, plot the population distribution using the dot method (one dot is equivalent to 10,000 population).

Project

Look at following two maps of density and the graphs on growth of population. Use various aspects of population you studied in this chapter and describe them.



Population Growth & Forest Loss Since 1990



People and Settlement

What is a settlement?

Look around the city or town or village in which you live. You will find that the buildings, roads, drains, etc. are organised in some way. This arrangement varies widely across the world, as we shall see a little later.

The way we organise ourselves and our living spaces in a place is called a settlement – that is, the geographic space where we live and work. In a settlement, we have different kinds of activities – educational, religious, commercial, etc.

In this chapter we will take a brief look at some aspects of human settlement and the geography related to it.

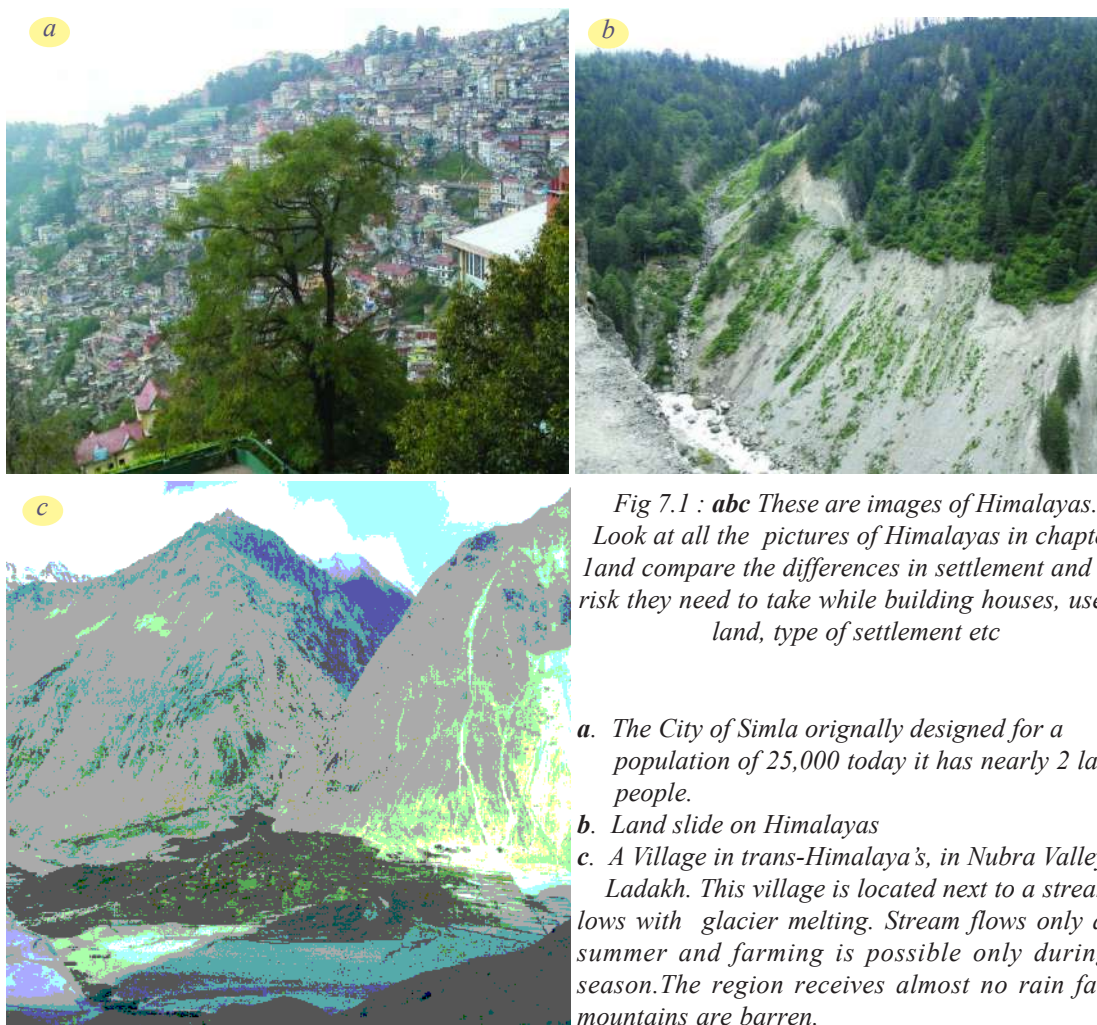


Fig 7.1 : abc These are images of Himalayas. Look at all the pictures of Himalayas in chapter-land compare the differences in settlement and the risk they need to take while building houses, use of land, type of settlement etc

- a. The City of Simla originally designed for a population of 25,000 today it has nearly 2 lakh people.*
- b. Land slide on Himalayas*
- c. A Village in trans-Himalaya's, in Nubra Valley of Ladakh. This village is located next to a stream that lows with glacier melting. Stream flows only during summer and farming is possible only during this season. The region receives almost no rain fall, the mountains are barren.*

Field work

Look at your own city, town, or village. Draw a sketch map of a selected area using the methods you had learnt earlier. Your map should show the following:

Roads; Houses; Shops and markets; Streams and drains; some Public places - hospitals, schools, bus stand, railway station etc;

- Are the public places at points that would be convenient to most people?
- Do you find any pattern in the location of markets?
- Are the houses in clusters? Are they linked to the main road?

Talk to people in the selected area and find out the changes in the settlement during the past twenty years and the reasons for this.

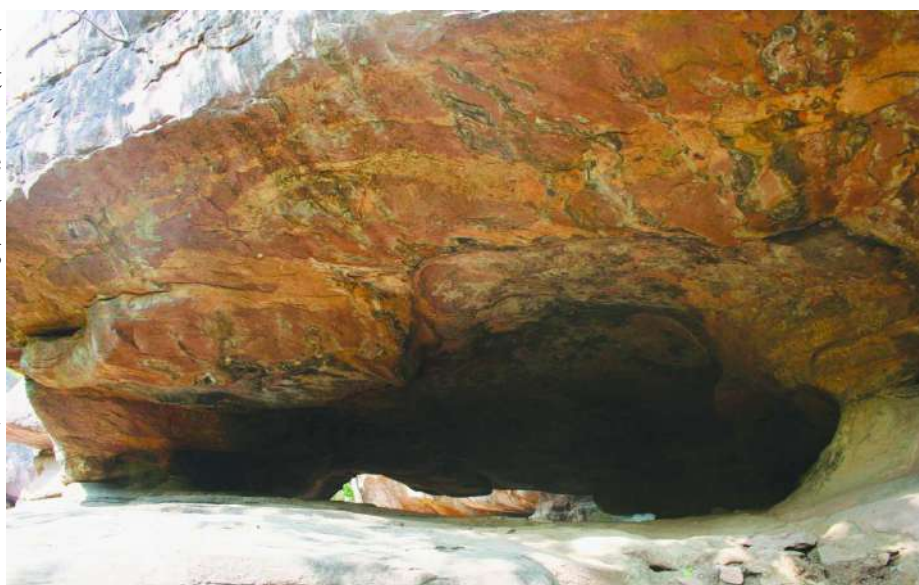
What amenities should have been provided for, but has not been done?

How did settlements begin?

Early humans hunted and gathered their food. That is why they were called hunter-gatherers. They were nomadic i.e., they kept moving from place to place. This was in search of food – gathering food from plants and trees, and hunting animals for meat, hide (animal skin), and other uses. They started making and using tools – initially made of stone. With these tools, they were able to hunt more effectively and efficiently.

For about 1.8 lakh years humans lived in bands as hunter-gatherers. They did not practice agriculture. However owing to changes in the obtaining of food, some bands took to the deliberate production of food - agriculture. This was only 10,000 years ago. It brought about many changes in human lifestyles. People did not have to travel over large areas to obtain food. They could now increasingly stay in one place. As hunter-gatherers, they were nomadic. But as agriculturalists, they were increasingly sedentary (staying in one place).

Fig 7. 2 : A rockshelter used by early humans at Bhimbedka, Madhya Pradesh. Read class VI Chapter on hunter gatherers for details.



- Compare and contrast : Using the information given above, compare and contrast nomadic and sedentary life styles. See how many points you can identify. (Make another table if the space is not enough here.)

Nomadic life style	Sedentary life style

Expansion of agriculture and emergence of towns

As agriculture progressed, people organised their life around patterns observed in nature. For example, the seasonal cycles, how to predict climatic conditions, how to plan the timing of cropping practices (sowing, harvesting, etc.), and so on. They also had time to speculate on other things – the movements of heavenly bodies, for example. Population sizes also increased.

As populations increased, there was more specialisation - weavers, potters, metal workers and other professions emerged. The number and variety of goods produced increased and so did the trade in them. Rulers began to encourage craft persons to settle in urban areas. Urban settlements i.e. towns where people did not work in agriculture expanded.

As settlements became larger, they also became more complex because there were more functions to be performed – food production was not the only concern. Within each settlement, people specialised in certain skills. Many goods were produced for the market and sold to traders who carried them to far off places.

Why do settlements change?

Settlements change for many reasons. Read the following story about Delhi.

The city of Delhi can claim to have been central to many empires that ruled India. When India gained independence, the city remained its capital. But as you would have read elsewhere in this textbook and in earlier classes, partition at the time of independence resulted in mass migration – in and out of India. Hence one challenge for this city was accommodating the new population (immigrants) and settling them in new areas. Over the decades, the city has attracted people from all parts of India as they migrated in search of livelihood, jobs etc. As the capital of the country, with the Parliament and Central Government offices, there are people from all parts living in the city.

Today, Delhi is the second largest city with more than 1,60,00,000 people. In 1951 this was near 20,00,000. During the last 60 years it has grown 8 times. This rise in population was mostly due to in-migration. This has changed the composition and settlement patterns of the city.

Let us begin by looking at the types of areas where people live in Delhi. Though the data are for the year 2000, the pattern of settlement remains the same. We find that there were different types of slum areas or areas of the poor in the city. All of them started as being unauthorised colonies. Later on some of these areas were regularised and accepted by local authorities as valid settlements. These became the designated slum areas or resettlement colonies or regularised – unauthorised colonies. However other areas continue without being accepted as legal settlements such as the *Juggi Jhopdi* clusters and Unauthorised colonies. There were also some villages within the city. In all, as seen in the table below, only about 24% of the population was living in colonies that had proper legal status.

Table 1 : Type of Settlement and Population

Type of Settlement	Est Population in 2000 ('000s)	Percentage of Total Population of City
<i>Juggi Jhopdi</i> clusters	20.72	14.8
Slum designated areas	26.64	19.1
Unauthorised colonies	7.4	5.3
<i>Juggi Jhopdi</i> resettlement colonies	17.76	12.7
Rural villages	7.4	5.3
Regularised-unauthorised colonies	17.76	12.7
Urban villages	8.88	6.4
Planned colonies	33.08	23.7
Total	139.64	100

Source: Statement 14.4 of the Delhi Economic Survey 2008-09 (Government of Delhi 2009)

Every city usually has a master plan to design and allocate different types of areas. In any city there should be housing areas, markets, schools, industrial areas, office areas, parks and recreational areas and so on. Based on this, planners can decide what types of roads, how much water or electricity, how to dispose waste, how to clean sewage etc would be necessary. The city of Delhi had three such master plans. However, if we look at the current scenario it would appear that these plans have not been implemented. In fact, Delhi has grown in an unplanned manner. A planned colony usually has all facilities in place.



Fig 7. 3 : A middle class housing colony. Compare this with a low income housing colony in Delhi (on page 98)

Government has to announce areas demarcated for different purposes. The constructions in that area are expected to follow such an order. However, it is clear that such plans have not been followed.

On one hand there is growing population in the cities and on the other hand there is long delay in planning and announcing how the areas are to

be used. People who migrate to the city looking for work occupy land without necessary permission and build on it in the way they can afford with no help or facility from anyone. They remain unauthorised for long periods. When the plan is finally announced these areas may be demarked for a different purpose.

This leads to a difficult conflict situation. People face constant threat of eviction. They seek political patronage from being evicted from their homes. These colonies are not likely to be recognised because the master plan ignored their existence. Thus these colonies also do not receive many public amenities. People here are poor but provide essential services to the city. All this leads to corruption.

Some areas of Delhi, which had been villages in the past, have been taken over by either large builders or farmers who invested money to build houses on their farms. This may not be along the approved lines of the master plan. Sometimes villages themselves transformed their houses to accommodate large number of migrant population. Over the years some such colonies have got approval. The city continues to have people who depend on traditional livelihoods such as rearing buffaloes for milk, or making earthen pots since these goods are required by the city.

Many parts of the city, which have traditionally been common lands, are now occupied as *bastis* or slums. These could be areas on the river banks or earlier grazing lands. They are owned by local bodies. The people living in such areas are often the poor. These areas may not have proper streets or drainage, and are overcrowded. Some of them have legally been notified as slums while others are not. On many occasions there were conflicts on land rights. Often big builders or Delhi Development Authority (DDA) itself would evict people from the land that they have been living on for a long time. The compensation given under such circumstances may not be sufficient for them either to re-locate back to their

native places or afford a residence in planned areas of the city. Thus it often ends up that people move from one area to another and they occupy a new location that is not notified. Over time the process repeats itself. Thus settlements have been growing in an unplanned manner.

- Find out what factors have influenced the settlement of your place in the past ten years.

What kinds of places attracted settlements?

To understand this, we need to look at these basic concepts: (1) site (2) situation (3) the history of the place.

Site refers to the characteristics of the place – its topography, altitude, water characteristics (The place with lakes, rivers, underground water, etc.), types of soils, security, shelter from natural forces, and so on.

In early settlement periods, places which had favourable water supply and good protection from invasions were preferred. For example, Chhatrapati Shivaji built a fort in Pratapgad, Maharashtra. This site was chosen because of its altitude from where all the surrounding areas could be seen. This provided military security.

Places do not exist in isolation. They are in some way connected to other places. Situation describes the connections with other places. For example: Visakhapatnam is located on the coast and connects Andhra Pradesh to many places in and outside of India.

Visakhapatnam has a long history. It was ruled by different dynasties during pre-colonial times. During the 19th century, the British and French fought a naval battle over this city.

Coastal places were of immense significance for colonial powers because they could build ports there. These ports would enable export of raw materials to the colonising country.

In fact, cities such as Mumbai and Chennai were further developed by the colonial powers to better exploit the natural resources of India. The fight for Visakhapatnam was for similar reasons. Visakhapatnam as we now know it, is made up of several other places. After the British took it over, its boundaries were redrawn several times and have been constantly expanding.



Fig 7.4 : Fort in Pratapgad

Year	Population	%change
1901	40,892	
1911	43,414	+6.2%
1921	44,711	+3.0%
1931	57,303	+28.2%
1941	70,243	+22.6%
1951	1,08,042	+53.8%
1961	2,11,190	+95.5%
1971	3,63,467	+72.1%
1981	6,03,630	+66.1%
1991	7,52,031	+24.6%
2001	13,45,938	+123.0%
2011	20,35,690	+51.2%

Population change in Visakapatnam

1. In the population data given beside, are the numbers reported for every decade? If not, which decade's data is not reported here?
2. From which decade to which decade has the population increase been the highest (in percentage)?
3. From which decade to which decade has the population increase been the least (in percentage)?
4. Plot the absolute population of Visakapatnam on a line graph covering 1901-2011. What observations can you make about the changes in the absolute population size?



Fig 7. 5 : Visakhapatnam

Over the decades, Visakapatnam's population has grown significantly (see Table above). This growth is a result of the importance of Visakapatnam as a port city. This population increase also indicates growth in economic and social opportunities.

It is not just huge port cities that are connected to other places. All places are connected to each other. It is only a question of whether the connection is direct or indirect.

The weekly village market in a village is a very important way through which places connect. The bigger the weekly market is, the more important that village is. At these weekly markets, people from several neighbouring villages converge and conduct trade.

Some villages also host an annual fair which is a larger market along with many cultural elements. Many events are held including music, dance, theatre, etc. Both the weekly markets and such fairs are also important to plant and animal genetics in the area because local seeds and livestock breeds are traded here. These fairs also often result in intermarriage among people from different villages.

The villages that are best connected (most often by road, but river and other connections are also important in some places) have the most vibrant markets and fairs.

Review site and situation...

Column A contains features of a place. In column B, write site, if it is a site feature or situation, if it is a situation feature. In column C, write the ways in which this feature could impact.

A	B	C
1. Soil type is clay.		
2. Rainfall is heavy.		
3. Its main market is 45 kms by road from the coast.		
4. It has gently sloping land.		
5. It is on the main railway line.		
6. It does not have a hospital.		
7. It has many agricultural fields.		
8. It is connected by mobile towers to all other places		
9. It is within 10 minutes' walking distance from the river.		
10. It has one rice mill.		

Field work ... Understanding the settlement of your place

Go to some of the production locations you have noted (farms, factories, offices, shops, quarries etc.) in the sketch map you drew and find out where they get raw materials/ inputs from and where they send their goods. Which raw materials come from within your settlement? Similarly, find out whether the finished goods are sold only in your own settlement or sent to other places (if other places, find out where). Why did production begin here?

- Give some example of site features that has influenced production in the area.
- Give examples of situation features that influenced production in your area.
- How was production influenced by the history of the place?

How are settlements organised?

As settlements become more and more diversified in their characteristics, they also became more and more complex. Gradually, a network of places in a hierarchy has been formed (i.e., different levels of complexity).

Thus, for more complex needs, you have to go to a bigger place. For example: a big village or small town may have a Primary Health Centre (PHC). A PHC may be able to treat people for minor problems such as cold, cough, flu, small injuries, etc.

However, if you need some simple surgery, you will need to go to a bigger town. If you need heart surgery, brain surgery, or MRI scan (a method of taking a picture of the internal parts of your body), you will have to go to a big city where such a high-technology hospital is located. A high-technology hospital is usually not located in an isolated village.

- Consider your own place ...

The bigger a place is, the more variety of services you can find there. Take educational facilities as an example. This exercise can help illustrate how more specialised services are found in bigger places (i.e., places that are higher in the hierarchy).

1. What are the levels of schooling you can get in your place? E.g.: primary, high school, higher secondary (“+2”), college (undergraduate, postgraduate).
2. If you want to study beyond the highest level offered in your place, where would you have to go?
3. What kind of professional courses can you join in your place? E.g.: engineering, medicine, commerce, technical diploma, etc.
4. If you want some other professional course, where will you have to go?

- Atlas work ...

In your atlas look at a map of India. Notice how different places are shown using different sizes of symbols: national capital, state capital, other cities, etc. How many levels are shown using different symbols? Are tiny villages shown? Create your own table and arrange the places in decreasing order (i.e., most prominent place at the top, less prominent places as you go down). Here is an example table for you. Two examples are shown, fill in details for other places.

Level in the hierarchy	Type of place	Name	Symbol used
1	National capital	New Delhi	Star
2	State capital	Hyderabad	Large, dark black dot
3			

- Repeat this kind of study for any other country of your choice.

Urbanisation in India

In India, nearly 350 million i.e. one-third of population lives in cities and towns. People have been increasingly taking up non agriculture work and living in cities and towns; this is called urbanisation. A considerable section of population in the 1950s lived in 5.6 lakh villages and there were only 5 cities that had a population of more than 1 million each and the number of cities with 1 lakh population was about 40. Today the number of villages has increased to 6.4 lakhs and about 850 million

people live in these villages. Three cities – Mumbai, Delhi and Kolkata - accommodate more than 10 million people each. There are more than 50 cities that have a population of 1 million.

Most of the population increase in cities and towns took place as a consequence of natural growth within the urban areas. The population of these urban areas increased over time. Some of the growth in urban settlements took place by expansion, with the inclusion of rural areas surrounding older cities and towns. Only one-fifth of the growth is due to rural - to - urban migration.

Though there has been an increase in urbanisation, the necessity of providing basic infrastructure that can support this growth is missing. You require roads, drainage, electricity, water and other public facilities. Government intervention is making some headway in improving the urban infrastructure particularly those associated with road transport. However, the provision of electricity, water and health infrastructure is not sufficient. For poorer people in the cities and towns, this situation is even worse.

How does urban India contribute to India's economic development? Service sector activities such as finance, insurance, real estate and business related service activities such as transport, storage and communication contribute more than industrial activities. There is no major growth of industrial output over the last few decades.

Living in or moving into cities and towns is a boon only for a few. Although the level of poverty in urban areas is relatively lower than what is noticed in rural areas, there is a huge gap between the average income of a low income family and a high income family. This gap has also been increasing in cities and towns. Incomes earned in urban areas by the SC/ STs are far lower than other caste groups. In 2009-10, only about one-sixth of urbanites belonging to castes other than SC/ STs were poor whereas in the case of SC/ ST urbanites the poverty level is double. Most of these poor live in non metropolitan towns and work in the unorganised sector.

Indian settlements in hierarchy

The Census of India, organises settlements in India using certain criteria. In the Table 7.3 the Census department's definitions of various settlement types are given. Read them carefully and complete the exercise.

Given on page 97 is a pyramid. The bottom-most part of the pyramid shows the lowest level of the settlement hierarchy according to the Indian census. The top-most shows highest level. Fill in the details that are left blank:

1. The name given to the particular level of settlement (Two examples are shown).
2. Give one example of a settlement from Andhra Pradesh (except in Mega cities. Why?).

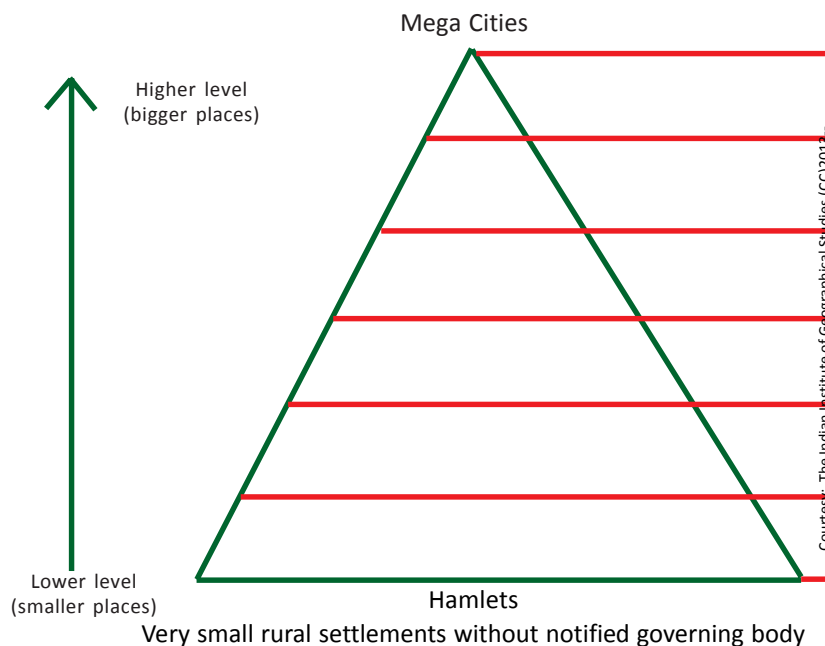
Table 3 : Indian settlements in hierarchy

Settlement type	Criteria used	Examples
Mega Cities	Cities having more than 10 million people	* Greater Mumbai UA (population 18.4 million) * Delhi UA (population 16.3 million) * Kolkata UA (population 14.1 million).
Metropolitan Cities / Million Plus cities	Cities having population between one million to 10 million	* Chennai (8.6 million) * Hyderabad (7.8 million) * Ahmedabad (6.2 million)
Cities/ Class 1 cities	Urban areas having population between 1 lakh to one million	With the help of your teacher identify 3 cities and give the details of population within Andhra Pradesh
Towns	All the urban areas having population between 5000 to 1 lakh	With the help of your teacher identify 3 towns in / nearby your area and give the details of population
Revenue / Census Village	A village with defined borders	With the help of your teacher identify 3 revenue villages in / nearby your area and give the details of population
Hamlets	A group of houses within the revenue village	With the help of your teacher identify one or two in a revenue villages in / nearby your area

3. Try to place the town where you live (if you live in a village show the town in which your school is located) at the correct level, in the space below, give 1 or 2 reasons for your choice.

4. Do you think settlements should be classified only on the basis of population? Can you think of any other way? Discuss with your teacher and identify the criteria for such classification.

Into the future, India is poised to follow the trend of many 'economically developed' nations in becoming predominantly urban.



Aerotropolis – jet-age city

A new kind of settlement is occurring in many countries, including India. These settlements are centered around large airports. Hence the name aerotropolis (or airport city).

In an aerotropolis the airport functions as a city in its own right. Many facilities (hotels, shopping, entertainment, food, business conferencing, etc.) are provided right there. People can fly in, conduct their business with their counterparts right there, and fly out – with all the comfort of a city, without the traffic and other problems.

Some form of aerotropolises are emerging in these places in India: Bengaluru International Airport, Indira Gandhi International Airport (Delhi), and Rajiv Gandhi International Airport (Hyderabad).

Elsewhere, examples of emerging aerotropolises include: Suvarnabhoomi International Airport (Bangkok, Thailand), Dubai International Airport (Dubai, UAE), Cairo International Airport (Cairo, Egypt), and London Heathrow Airport (London, UK).

- What is at the centre of an aerotropolis?
- Name any two facilities located at or near the centre of an aerotropolis.
- On an outline map of the world, locate and label the cities here in the examples. Name the country and the airport also on the map. Remember to use different types of text to identify the names of the country and the names of the cities and airports. Thus, it will be very easy to see which words are names of countries, and which are for cities and their airports.
- Suppose the place you have studied for this chapter gets an aerotropolis near it. Mention 3 ways in which the site features of your place may change. Similarly, mention 3 ways in which the situation features of your place may change.

Urbanisation problems

Increasing urbanisation is not just about greater opportunities for people, more economic productivity, etc. It also results in many problems. The growing urban population has to be housed. It needs water supply, sewage and other waste disposal,



Fig 7.6 : Low income residential area of Delhi

transportation, and many other things. All these result in environmental stress. As vehicle use increases urban air pollution increases causing health problems and localised climatic change. Improper sewage disposal can also lead to greater threat of infectious diseases.

One of the impacts of increased urbanisation is the use of materials that either do not degrade or take a long time to do so. This produces waste that has to be disposed off. Where do we put such waste? As urban areas expand, the waste is increasingly pushed to rural areas where they are either just dumped or taken to waste treatment plants. Look at the case study below.

Villagers up in arms against solid waste management plant

Staff Reporter The Hindu BERHAMPUR, December 11, 2012

The proposed solid waste treatment plant of the Berhampur Municipal Corporation (BMC) has faced another stumbling block.

Villagers of Mohuda area have started to protest against establishment of this waste treatment plant near their village. According to them, if this solid waste treatment plant was established near Mohuda pollution caused by it may affect a population of around 30,000 people as well as around 10,000 domestic animals of the area.

They also sent a memorandum to the administration in this regard. Sarpanch of Mohuda panchayat Sadhana Mohanty and some educational institutes of the area also expressed concern over this proposed waste management project of the BMC.

Earlier, this solid waste treatment plant was proposed to be established at Chandania hill on the outskirts of the city. Twenty acres of land had also been earmarked for the purpose.

Boundary wall

As per Berhampur Municipal Corporation sources, a boundary wall had been built up around the land patch at a cost of over 50 lakh rupees.

But it was found that the land at Chandania hill was forest land and unless it was transferred to revenue department and consequently to the Berhampur Municipal Corporation, the waste treatment plant cannot be established on the land.

So, an alternative site was searched for the proposed solid waste treatment plant on the outskirts of the city. Government land of over 30 acres located near Mohuda village was chosen for the purpose.

But from the very beginning the proposal has received opposition from peasants and villagers of the area.

As per a survey made in 2009, Berhampur was producing over 150 tons of solid waste every day.

In three years it must have increased, say Berhampur Municipal Corporation authorities. Nature of solid waste also changes every day as per change in lifestyle of inhabitants.

Survey

In February a survey was conducted in the city to assess the nature of solid waste generated in the area.

International Financial Corporation (IFC) is providing technological and tactical support for the solid waste management project to be established by the Berhampur Municipal Corporation.



Fig 7. 7 : Slum residences in Mumbai Photograph from 1940. The city continues to have; large slums

- Using your atlas, locate Berhampur.
- What is the issue about which the people of Mohuda village are upset?
- How many people and animals are expected to be adversely affected by the facility?
- What was the alternative location for the facility and why was it not used?
- What data does the report give about the quantity of solid waste produced by Berhampur?
- Berhampur Municipal Corporation authorities say that the amount of solid waste produced by the city “must have increased in three years.” Do you agree or disagree with their statement? Why or why not?

Key words

Settlement

Site

Situation

Urban

Rural

Agglomeration

Hierarchy

Megacities

Aerotropolis

Urbanisation

Metropolitan city

Improve your learning

1. What is a settlement?
2. How did human life styles change with settlement?
3. Define site features and situation features. Give one example for each from the place you live in.
4. How does the Census of India define various kinds of places? How does it organize them in order of size and other characteristics?
5. What is an aerotropolis? How is it structured?

People and Migration

Ramaiah - A migrant teacher in Hyderabad

My parents and grandparents lived for many years in Mogilidori village, Mandal Chityal, Nalgonda District. They depended on borewells for irrigating their land to cultivate mainly paddy and cotton.

Mogilidori is 80 kms away from Hyderabad, with 150 houses and a population of 700 to 800. Most households here depend on agriculture. In my childhood days, there was no transport or road facility to come from Mogilidori to Hyderabad or even Nalgonda which is about 40 kilometers away.

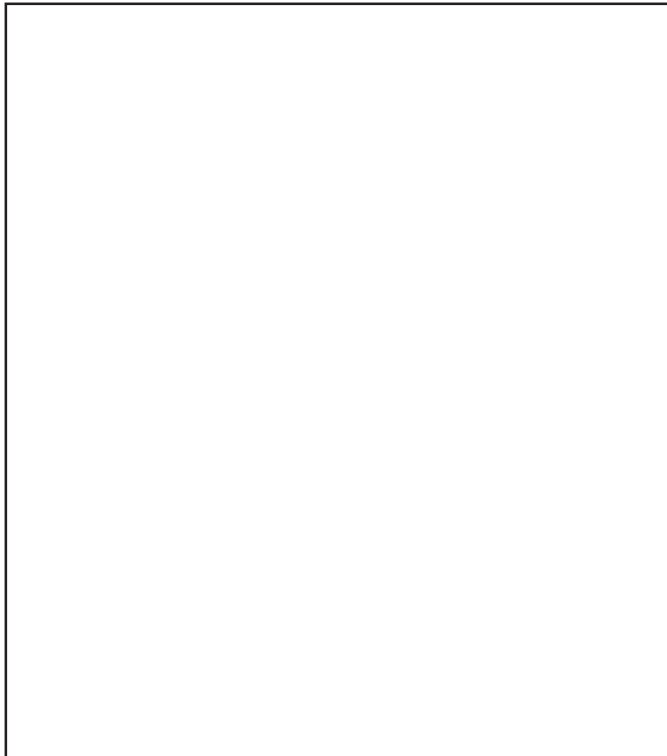
During 1970s, our village had a Government Primary School with students studying classes 1 to 3 (now the school has been upgraded upto 5th class). I studied up to class 3 in Mogilidori. Later I studied classes 4-7 in Chinnakaparthi, a nearby village.

For classes 8-10, I went to Government High School in Peddakaparthi which is about 9 kilometers from Mogilidori. During this time, I stayed in a government run hostel. I came to Hyderabad for my Intermediate and then completed the Teacher Training Certificate Course in Government institutions. A friend helped me to apply for the course and also advised where to stay in Hyderabad.

I got a job as a Government school teacher in 1983 and was posted at Panthangi in Nalgonda district, which is 25 kilometers away from Mogilidori. After two years I was posted in another village school where I worked for 5½ years. During all these years, we - my wife and children resided either in Panthangi or Choutuppal, from where I commuted to school. In the year 2004 we again moved to Hyderabad. For the last 10 years we are not doing any farming. The well we used earlier is dried now.

Land has been given on lease to another person residing in Mogilidori. He pays some money to us and cultivates cotton. Most families who own land during my childhood have migrated to cities, and many erstwhile agricultural labour families now lease the land.





- Draw a sketch map showing Nalgonda and Rangareddy districts along with Hyderabad city. Mark arrow lines linking the names listed in the case study.

Not just this teacher, but also hundreds and thousands of people move to urban locations for education, employment and better opportunities. You require some support for migration to take place. But over time people go to new places, develop relationships with new people, understand and live in a diversified culture.

Measure and classify migration patterns

Migration arises out of various social, economic or political reasons. For identifying a person as a migrant, two criteria are used by the census:

- * “birth place” – place where the person was born
- * “last usual place of residence” – a place where the person had stayed continuously for a period of six months or more

- Here is a list of few people. Categorise them as migrant or non-migrant. Indicate the pattern and guess the probable reasons for migration.

Name	Present address for the last six months	Place of birth	Migrant or non-migrant	Pattern of migration, rural to urban; urban to urban etc and possible reason
Sindhu	Rajahmundry town	Village in East Godavari Dt.		
Grace Oviya	Hyderabad	Vijayawada		
Ali (an NRI)	New Delhi	London		
Ramaiah	Hyderabad	Mogilidori		
Lakshmi	Thimmapuram (for only two months)	Kodandaramapuram in Nellore dt.		
Swathi	Gatlanarsingapur Karimnagar Dt.	Vijayawada		Passed Service Commission Examination

In India, according to census 2001, about 307 million people have been reported as migrants. Migrations can happen due to many reasons. While females report marriage as the most common reason for migration, employment or seeking employment is the most common reason for males to migrate. Dissatisfaction with employment opportunities in the native place, better opportunity for studies, loss in business, family feuds etc are also some of the other reasons that people have stated as reasons for migration in the census surveys.

Most migrants move only for short distance. Out of the 307 million migrants, about 259 million (84.2%), migrated from one part of the state to another, i.e., from one village or town to another village or town. Around 13% migrated from one state to another (See Table below).

Table 1: Migrations in India (Census 2001)

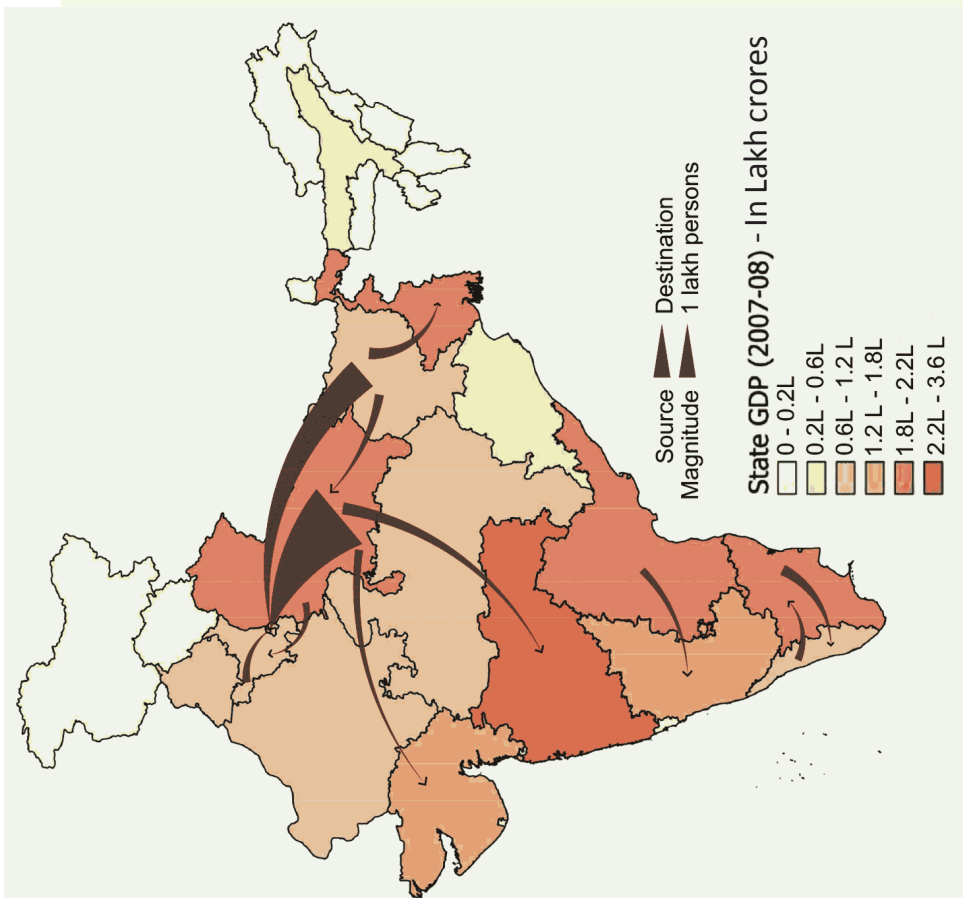
Category	Number of persons	Percentage	Calculating the percentage values	Remarks
Total Population	a. 1,028,610,328			
Total Migrants	b. 307,149,736	29.9	$(b \div a) \times 100$	This is the total percentage of migrants (people who moved from their place of birth).
Migrants within the state of enumeration	c. 258,641,103	84.2	$(c \div b) \times 100$	Of the total migrants (b), these migrated within the state of birth.
Migrants from outside the state but within the country	d. ?	13.8	$(d \div b) \times 100$?	
Migrants from other countries	e. 6,166,930	2.0	$(e \div b) \times 100$?	

Adapted from: Table D1 India, Census of India 2001.

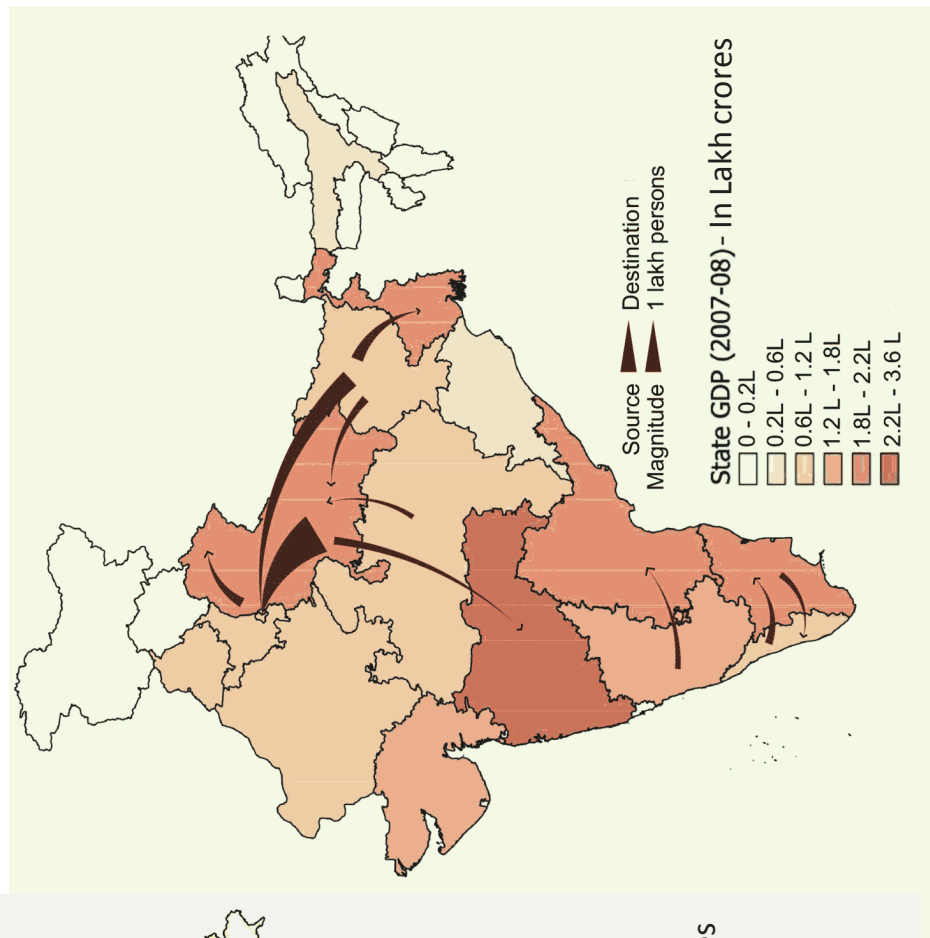
- Read the table again and complete the required information.

Three maps given here depict the migration of people across states in north, east, west and southern part of India. During the last decade (2001-2011), people moved from states such as Uttar Pradesh, Bihar, Rajasthan, Madhya Pradesh, Andhra Pradesh, Chhattisgarh, Jharkhand, Odisha, Uttarakhand and Tamil Nadu to states such as Delhi, Maharashtra, Gujarat, Haryana, Punjab and Karnataka. Mark the recent migration with arrow marks on an India Political Map. Discuss in the class about the differences and commonalities of people moving from one state to another.

Map 1 : Estimated Major Net Urban to Urban Inter-State Migration Urban Inter - State Migration : 2001-2011

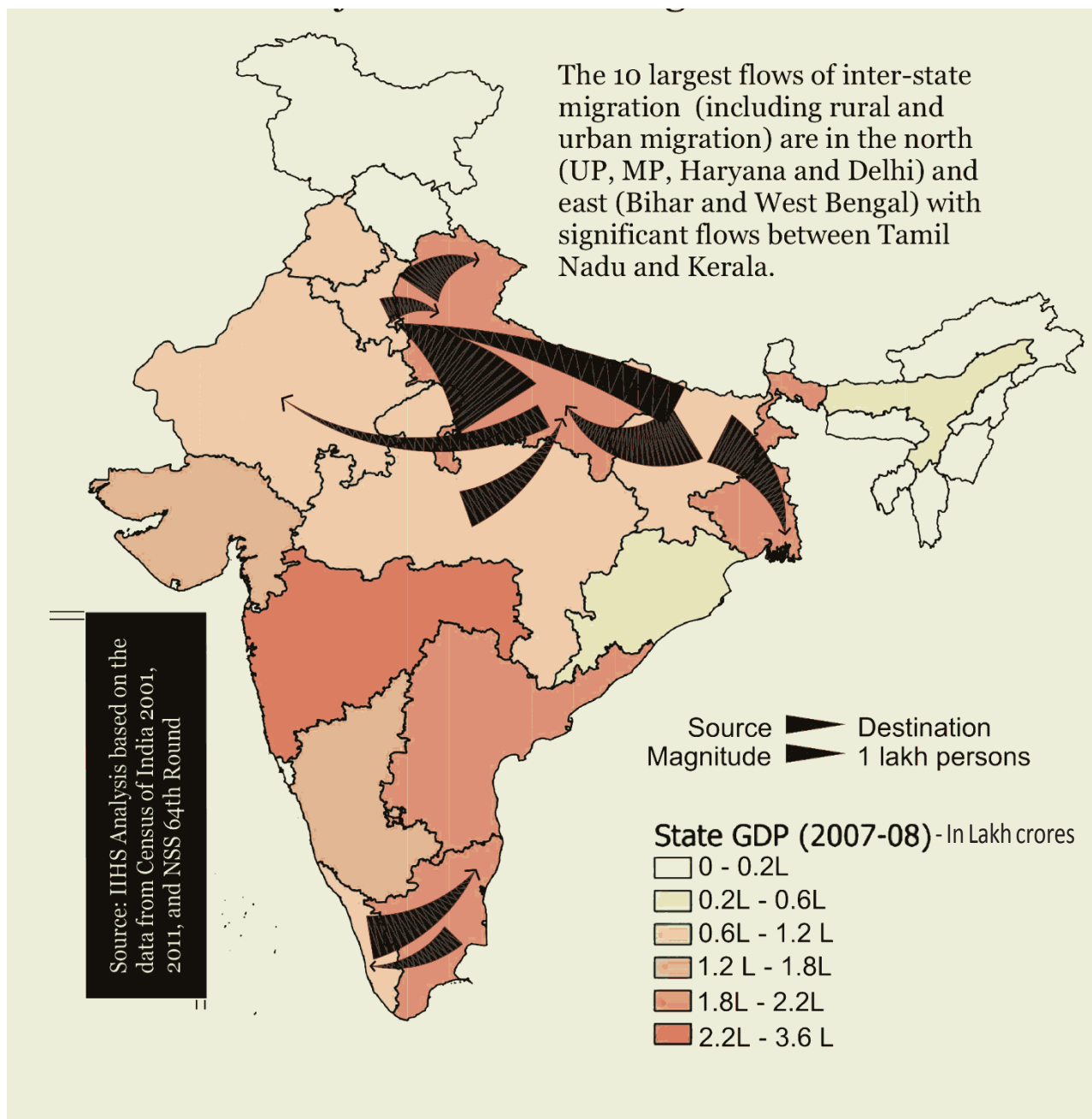


Map 2 : Estimated Major Net Rural to Urban Inter-State Migration Urban Inter - State Migration : 2001-2011



- In map 1 estimate the urban migration to Delhi from UP and Bihar .
- In map 2 estimate the rural to urban migration from Karnataka to AP
- In map 3 Look at Tamil Nadu, what could be reasons out migration and in migration?

Map 3 : Estimated Major Inter - State Migration Streams : 2001- 2011



Rural - Urban migration

People migrate from rural areas mainly due to insufficient employment opportunities and inadequate income available in rural employment. People also migrate with the expectation of higher incomes and more opportunities for family members and maybe better services. Ramaiah was able to find work in the organised sector. However, most urban migrants have to work as labourers and find employment in the unorganised sector. They could be working as hawkers, painters, repair persons, rickshaw pullers, construction labour etc.

For some people from rural areas moving to cities and towns to work in industry and other service activities has been recognised as a natural response to increase their income and for better family prospects. In this process, they have opportunities for education, take up new jobs and acquire new skills. Towns also appear to offer greater

- Interview a person who has come to a town to work in the unorganised sector as a labourer or domestic servant and write her story (see the case study of Ramaiah above).
- If you live in a rural area, interview a person who has come on a vacation from working in a town in the unorganised sector, write his story (see the case study of Ramaiah above).
- Compare and contrast these two situations.

freedom and somewhat less discrimination based on caste and gender. However, many move to urban areas more out of desperation and not having adequate employment opportunities in the rural areas. For these people, living conditions in slums in towns and cities is worse because space is cramped and basic facilities such as drinking water and sanitation aren't available. These people are not able to find jobs in the 'organised sector' and therefore there's no job security and decent income that they were aspiring for. They continue to live as daily workers.

Many families have residences both at their origin (native place) and at the destination. They shift between the two places depending on work and seasons. Migration does not necessarily involve movement of all members of the family, and often the wife remains in the rural area.

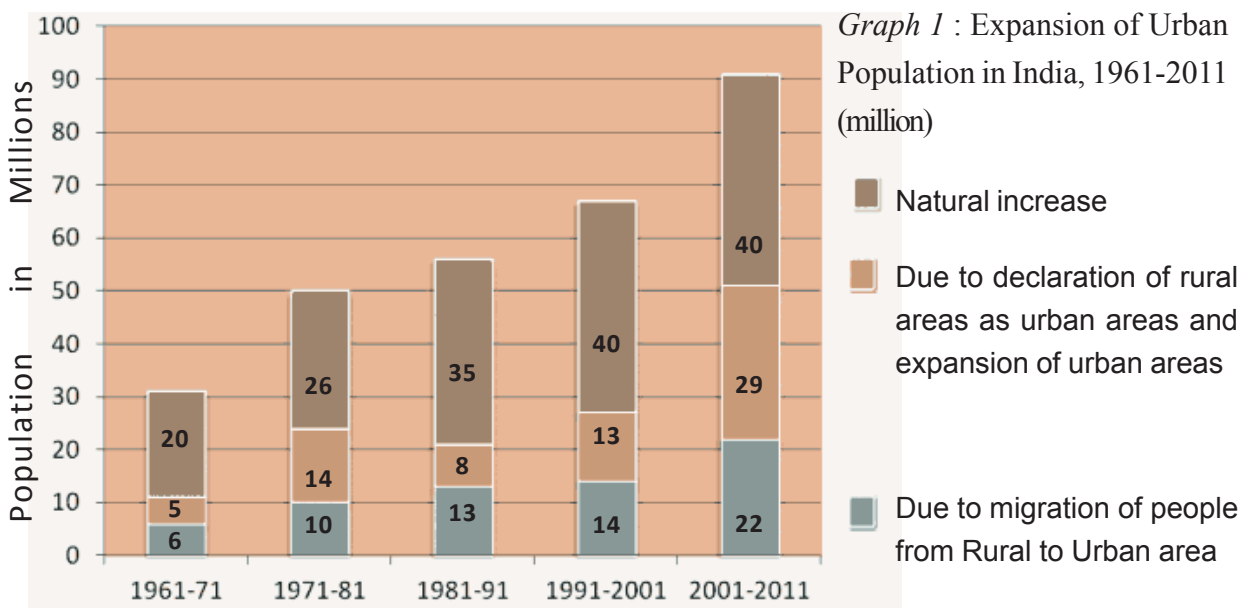
Remittances - money sent by migrants from their destination - are an important means of supplementing, or generating additional incomes for the rural family. The amount of remittances and the pressure to remain in the urban areas depends upon the needs of rural family members. Migrants retain the economic ties in rural areas because they want to safeguard their rights over land and homestead. Families back in rural areas are important for most urban migrants. In fact, it is the family which decides whether their family member should migrate or not.

Urban migrants use different job searching mechanisms depending upon their skills and educational qualifications. Contacts and networks are crucial for getting

urban jobs. In fact villagers pre-arrange their jobs from rural areas and come to urban areas through their contacts or networks. They keep close ties with their rural areas for a variety of reasons. Migrants also pass on the urban opportunities to the rural areas so that potential migrants can engage in rural-based job search. In most cases, migration is the survival strategy for many families.

- Why are contacts and networks essential for getting jobs in urban areas?

Graph 1 shows how the number of persons increased in urban areas – cities and towns during the last five decades, 1961-2011, in India. During 1961-71, population living in urban areas increased by 30 million. Out of this increase, only 6 million, or about one-fifth increase is due to people coming from rural areas to cities and towns. The larger increase is due to natural growth of the urban population already living in the urban areas. The third reason for increase in urban areas is the expansion effect, when some rural areas become small towns.



Calculate the total number of persons added to urban population for each period and percentage of each group. Write sentences for each bullet point. One example is given here:

- ✱ During 2001-2011, there were 91million (40+29+22) people added in the urban population. In terms of percentage, 44% increase was due to natural increase, 32% was due to expansion of urban areas and 24% was due to migration.

- How would you construct a table to show the effect of migration for the entire period 1961-2011?
- When people move out of rural areas which sector of the economy in the rural area loses the most number of people? Why?
- In urban areas, what are the common sector(s) of the economy in which migrants from the rural areas find employment? What are some reasons for this?

Seasonal and Temporary Migration

According to national census surveys, every fourth person in India is a migrant. During 2001-2011, migration increased but not as large as in the 1980s. This may be within a state or outside. You have read the story of Ramiah, a rural to urban migrant. You have also interviewed someone who has come into a town as a labourer. We have examined the statistics of rural – urban migration and the multiple reasons for migration. However, it is significant that rural to rural migration has increased. Some of this may not be captured by census data because the period of stay is often less than six months. The number of seasonal migrants is underestimated in India due to limitations in the definition of the term ‘migrant’ used in national surveys.

The sugarcane cutters of Maharashtra

Maharashtra is one of the popular states of India which produce sugar. It has 186 cooperative sugar factories. Large scale sugarcane cultivation began here in the early 1970s after the Koina dam was built. A study estimates that about 6,50,000 labourers migrate from central to western Maharashtra for sugarcane cutting each year. Of these around 2,00,000 are children in the elementary school age group of 6-14 years. They come with their family members.

The sugarcane cutters camp for the season in clearings earmarked by factories. These are in the vicinity of the fields. Each family is provided with a bamboo mat and poles, which are converted into a small conical hut or *kopi*. Tyre centre settlements have 200-500 *kopis* and *Gadi* centres have 50-100 *kopis*. The *kopis* are cramped together, and bullocks are parked in front. Animals and humans live together in congested conditions.

The work units move to the fields in the early hours of the morning where they cut cane throughout the day, about 1.5 ton per person. The payment rate per ton varies between Rs.80 and 100. The field is divided into strips, and each strip is assigned to one work unit. The man and woman cut the cane, remove the leaves, and throw it on the ground, the child takes the cane and puts it on a pile. The piles thus made are then tied into bundles, carried on the head by men and women and put on to carts.

- Why is there a shortage of sugarcane cutters in western Maharashtra?
- What would happen to children who come with their parents? Is it possible to bring these children to schools? Are there any provisions in the government laws for educating these children?
- Why are sugarcane cutters employed only for six months? What work might they do during the other six months of the year?
- How could the living conditions of these workers be improved?
- The seven districts in western Maharashtra – Nasik, Ahmadnagar, Pune, Satara, Sangli, Kolhapur and Sholapur – comprise the “sugar belt” which extends into Surat (Gujarat) in the north and Belgaum (Karnataka) in the south. Five districts of the arid Marathwada region – Beed, Jalgaon, Ahmadnagar, Nasik and Jalna – send out labour to this sugar belt for six months every year for sugarcane harvesting.
- Draw arrow lines on a map showing districts of origin and destination of migrants.

The men drive the carts to the factory where they might have to wait in queue for several hours before they get to offload the cane. The women, meanwhile, walk several kilometers back to the settlement. They have to fight exhaustion all the time.

A large section of rural workers migrate for a short duration and particularly due to distress caused in rural areas. They are mainly agricultural labourers or marginal farmers in their place of origin and mostly belong to low income households, dalits and adivasis.

We have seen how sugarcane cutters in Maharashtra move from one rural area to another. Rural seasonal migrants work in agriculture and plantations, brick kilns, quarries, construction sites and fish processing. Some examples for these are given below.

A study of the rice producing belt of West Bengal in the late 1990s suggests that more than 5 lakh migrants,

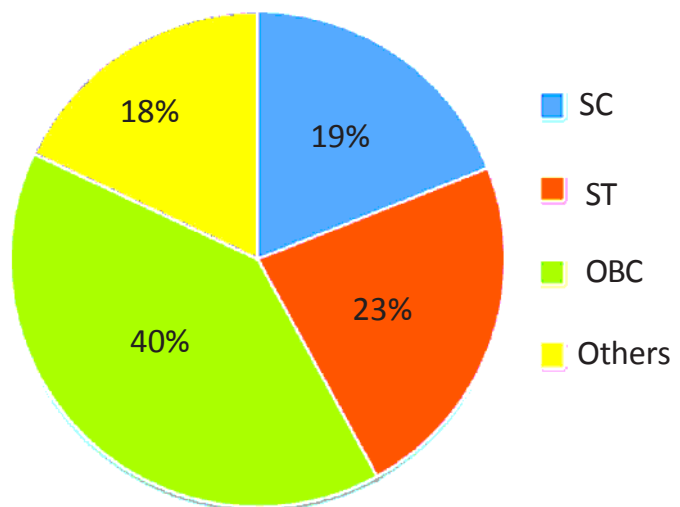
mostly tribals and other low castes move to Bardhaman district during harvest season. Their number is increasing over the years. While males from Saora tribals have a long history of migrating to work in Assam plantations, Munda and Santhal men migrate to work in mining sites in Odisha. Nearly 50,000 women from Kerala migrate annually to work in fish processing industries of Maharashtra.

Construction sites in most urban areas depend on migrant workers. It is also common to see migrants selling plastic goods, vegetables, and engage in other petty businesses and casual labour. A large section of such migrants are from tribal communities & from drought-prone areas of the state. Seasonal migrants are not only poor but have little or no land at their native place. The Graph 2 gives the details of short term migrants – those who stayed away from their native places for not more than 6 months during the year prior to survey.

The National Commission of Rural Labour in its report in 1990s found that uneven development and regional disparity triggered and accelerated seasonal migration. In some tribal areas intrusion of outsiders and displacement of people for construction of dams and mining have increased distress seasonal migration.

In agriculture sector, employers go to the native place of migrants and recruit them. Contractors (also called agents), traders who belong to the same caste, community or source area are used by employers of quarries in Delhi, coffee plantations of Karnataka, and farming in Punjab. Such workers come with workers who are already migrated. Contractors retain part of the migrants earnings apart from payments they receive from employers. Sometimes, the contractors also work as supervisors.

Graph 2 : Social Background of short term migrants in India, 2007-08



- Describe an example of seasonal migration of your region.

What happens when people migrate?

Migrant labourers spend more on food as they cannot get food grains from fair price shops at their workplaces. As they live in harsh circumstances and in unhygienic conditions, they suffer from health problems and are prone to disease. Those working in quarries, brick kilns, construction sites and mines suffer from body ache, sun stroke, skin irritation and lung diseases. When employers do not follow safety measures, accidents in industrial areas and construction sites are also common. Migrants are not able to access various health and family care programmes as they do not belong to the organised sector. In the case of women migrant workers, there is no maternity leave. This means they have to go back to work very soon after childbirth.

When families migrate, children accompanying their parents do not have crèche facilities. Grown up children are not able to continue their studies at their parents' new workplaces. Schools in their native place refuse to take them again when they come back. They finally become dropouts. When males leave their families this is also a major challenge for women who have to take care of all the responsibilities of the family and elderly people who need care. Young girls in such families are required to take care of siblings and many of them become dropouts.

Migration leaves a considerable mark on the migrants also. Exposure to different environment, stress associated with it, food available and social atmosphere leave a deep impact on migrants. This also depends on the length of migration. They have greater exposure to ideas and try to challenge older notions.

Most migrants and particularly those going for long term send remittances. In some regions of India, nearly one-third of households depend on the remittances sent by their migrant members. Majority of seasonal migrants either remit or bring

- What can be done so that migrants are able to get food, health and family care programmes?
- There are some initiatives taken by government and voluntary agencies. Find out if there is any such initiative in your area. Invite some persons from such agencies for a talk in the school.

back savings. Migration allows households to meet debt and other obligations without having to sell assets. It is also common to find migrant families buying house, land, agricultural machinery and consumer durables. Some migrants might take up jobs in the destination, acquire skills required in the destination area, become aware of how to get regular jobs and migrate regularly or permanently.



Fig 8.1 : National boundaries are protected against migrants. Here are examples of a) USA on Mexican border b) South Korea on North Korean border c) India on Bangladesh border. What do you think of migrants across the border?

International migration

One-third of the world's 200 million international migrants, less than 70 million people, according to the United Nations Development Programme (UNDP), moved from one developing country to another. International migration from India is of two types:

People with technical skills and professional expertise have migrated to countries such as USA, Canada, United Kingdom, Australia and other developed countries. IT professionals, doctors and management professionals are an example of this type. Indians migrating to countries such as UK and Canada in 1950s and 1960s were unskilled where as in the later years, mostly professionals went to these countries. In recent times, Indian professionals also go to countries such as Germany, Norway, Japan and Malaysia. In the 1950s about 10,000 persons a year went to developed countries and in 1990s this has increased to more than 60,000 a year.

The second type of international migration is unskilled and semi-skilled workers migrating to oil exporting countries of the West Asia on temporary contracts. Almost all these workers come back after a specific period depending on the employment situation in the destination countries. During the last few decades Saudi Arabia and UAE (United Arab Emirates) have been the major destination for most of the 3 million Indian workers in the West Asia. Every year, more than 3 lakh workers migrate to West Asia. Nearly three-fifths of workers going to the West Asia are from Kerala, Tamil Nadu and Andhra Pradesh. A considerable section of these workers are engaged in construction projects, maintenance, services, transport and telecommunications.

Also important is the impact that international migration has on regions of the migrants. For the families of migrants the impact is visible as they are able to pay back loans, buy assets and the standard of life improves. A study has shown that nearly one-fifth of total income of Kerala is accounted for by the remittances sent by its workers from the West Asia. In 1970s, the average per capita consumption in Kerala was less than national average, but after after 30 years, it has increased above the national average by 40% (see Box).



- Draw arrow lines on a World Map depicting people from India going to different countries mentioned in the above passages.

Weak rupee a boon as remittance inflows to Kerala top Rs. 75,000 crore

At a time when the country is reeling under the pressure of a weak rupee, non-resident Keralites are laughing their way to the banks with remittance inflows crossing the year-end target of Rs. 75,000 crore in just six months of 2013.

Kerala has set a new record in remittances this year by already reporting a whopping 36% year-on-year increase in inflows as of June-end at Rs. 75,883 crore.

This is a net incremental addition of Rs. 20,220 crore over Rs. 55,663 crore in June 2012,

according to data provided by the State Level Bankers Committee (SLBC), which has 32.8% of the total bank deposits in the state.

The over 2.5 million Keralites living outside the country contribute over 35% of the GDP of Kerala, where companies hawking premium products and luxury cars are reporting brisk sales during the ongoing Onam season, the largest festival of the state, while elsewhere in the country, barring Punjab, which is another NRI bastion, they are down in dumps.

In the last fiscal year, at Rs. 60,000 crore, the

remittances contributed to a third of the state GDP. If the inflows continue, this fiscal year it could well be about 40% of the state's GDP...

According to a report by the Migration Unit of the Centre for Development Studies, Thiruvananthapuram, remittances today account for 1.6 times the revenue receipt of the Kerala government, 6.2 times what the state gets from the Centre as revenue transfer, and is more than twice the government's annual expenditure.

Source: The Hindustan Times, September 15, 2013, Mumbai

The Emigration Act, 1983 is the Indian law governing migration and employment of Indians abroad. It also lays out conditions to safeguard the interests of workers emigrating for employment. Embassies set up by the Indian Government in different countries are expected to follow the legal procedures and protect the welfare of the international migrants as given in the Emigration Act. At times, migrant workers are not paid their salaries, recruitment agents cheat prospective workers or collect more than the prescribed fees for their role in getting work for workers abroad. Employers also terminate the job contract before its expiry, change the employment contract to the disadvantage of migrant workers, pay less than the agreed salary and freeze fringe benefits and other perks. They often force workers to do overtime without making additional payments, and deny permission to keep one's own passport. Indian migrant workers seldom lodge any complaint against their foreign employers for the fear of losing their jobs.

Key words

Migration Immigration Emigration Seasonal Border Boundary

Improve your learning

1. Draw a table with following items and summarise various examples in the context of migrant labourers: (1) migrant labour; (2) reasons for the migration (3) living standards of the migrants (4) economic impact in their lives (5) economic impact on the lives of people from where they migrated.
2. Compare and contrast the migration from rural to urban areas and rural to rural areas.
3. Which of the following could be considered as seasonal migration? Why?
 - a. Women moving from their parents' house to husband's house due to marriage
 - b. Turmeric harvesters moving from one district to another district in Tamil Nadu for three months in a year
 - c. Cycle rickshaw pullers in Delhi coming from rural parts of Bihar for six months a year
 - d. Women from Nalgonda district come to work as domestic maids in Hyderabad
4. Do you think migrants are trouble makers/ trouble shooters in their destinations? Justify your answer.
5. The following are migrants of different types. Classify them into internal and international migrants.
 - a. People going from India to Saudi Arabia to work as technicians.
 - b. Agricultural labourers going from Bihar to Punjab
 - c. Brick workers going from Odisha to Andhra Pradesh
 - d. Teachers coming from China to India to teach Chinese to Indian Children
6. 'Most children of migrant families become drop-outs.' Do you agree with this statement? Justify your answer.
7. How does rural to urban migration increase the purchasing power of people in rural areas?
8. Why only professionals are able to go to developed countries? Why cannot unskilled workers migrate to these countries?
9. Why are only unskilled workers from India wanted in West Asian countries?
10. Why are workers from three states able to go to a considerable extent to work in the West Asia?
11. Describe the similarities and differences between the impacts of internal and international migration.

Rampur : A Village Economy

The story of Rampur village

This story of a village will take us through different types of production activities in a village. In villages across India, farming is the main production activity. The other production activities, referred to as non-farm activities include small manufacturing, transport, shop-keeping, etc. Let us look at both these types of activities in this chapter. The production systems - whether at a farm or a factory can be analysed using some ideas of the essential elements in any production process. How the production is organised in turn has an important bearing on people's lives.

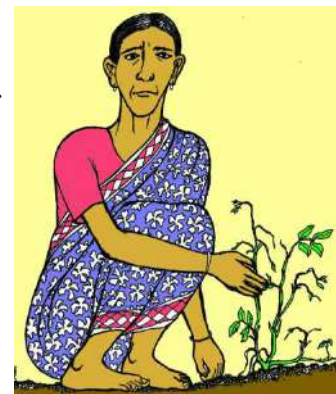
The story of the Rampur village (*name changed*) is based on a detailed case study where the writer went and stayed in the area and observed closely various aspects. The study of the village was followed by subsequent visits. The writer could therefore note many changes in the village across time. As you read the story, you may like to think and enquire whether the phenomenon observed for Rampur is also present in your area. Or is the situation different? If so, in what ways?

In this chapter you will at times come across occasional reference to your own situation or the all-India situation. For instance, when we discuss distribution of land in Rampur, we also examine what has occurred to India as a whole. Interestingly, we find there are strong parallels. This helps us understand that while Rampur has some specific features, many of its features are prevalent across India with some variation. These could also be compared with your region.

- What do you know about agriculture? How do crops change in various seasons? Do most people depending on agriculture belong to land owning groups or are labourers?

Farming in Rampur

Rampur lies in the fertile alluvial plains of the Gangetic basin in the western part of Uttar Pradesh. Along with Punjab and Haryana, western Uttar Pradesh forms a contiguous belt of agriculturally prosperous region. The village is well-connected with the neighbouring villages and cities. Raiganj, a big village, is 3 kms from Rampur. An all weather road connects Raiganj to the nearest small town Jahangirabad (12 kms away). Many kinds of transport are visible on this road starting from bullock carts, *tongas*, *bogeys* (wooden cart drawn by buffalos) loaded with



jaggery and other commodities to motor vehicles like motorcycles, jeeps, tractors and trucks.

Farming is the main production activity in Rampur. Majority of the working people are dependent on farming for their livelihood. They could be farmers or farm labourers. The well-being of these people is closely related to the production on the farms.

Land and other natural resources

Land is the most crucial factor necessary for farm production. Land area under cultivation, however, is practically fixed. In Rampur, since 1921 there has been no expansion in land area under cultivation. By then, the nearby forests had been cleared and some of the wastelands in the village were converted to cultivable land. There is no further scope to increase agriculture production by bringing new land under cultivation.

There is no land that is left idle in Rampur. During the rainy season (*kharif*) farmers grow *jowar* and *bajra*. These are grown as cattle feed also. It is followed by cultivation of potato between October and December. In the winter season (*rabi*), fields are sown with wheat. From the produce, farmers keep enough wheat for the family's consumption and sell the surplus at the market-yard at Raiganj. A part of the land is under sugarcane which is harvested once every year. Sugarcane, in raw form, or as jaggery, is sold to traders in Jahangirabad, the nearby town.

To grow more than one crop on the same piece of land during the year is known as multiple cropping. It is the most common way of increasing production from land. All farmers in Rampur grow at least two main crops; many are growing potato as the third crop.

Farmers in Rampur are able to grow three different crops in a year due to the well-developed irrigation system. Electricity came early to Rampur. It transformed the system of irrigation. Till then, Persian wheels were used by farmers to draw water from the wells and irrigate small area. People saw that the electric-run tubewells could irrigate much larger areas of land easily. The first few tubewells were installed by the government, almost fifty years ago. Soon, however, farmers started setting up their own tubewells. As a result, by mid-1970s the whole of the cultivated area of 264 hectares (ha.) was irrigated.

Not all villages in India have such high levels of irrigation. Apart from the riverine plains, coastal regions in our country are well-irrigated. In contrast, plateau regions such as the Deccan plateau have low levels of irrigation. Even today, a little less than 40 percent of the total cultivated area in the country is irrigated. In

Measuring Land

The standard unit of measuring land is hectare, though in the villages you may find land being measured in local units such as acre and cents or *gunta*. One hectare is 10000 square meters. Compare the area of 1 hectare field with the area of your school ground. Discuss with your teacher.

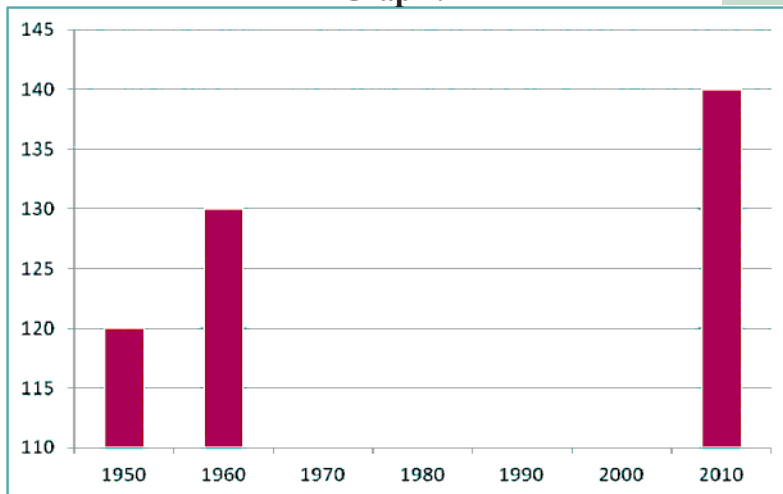
the remaining areas, farming is largely dependent on rainfall. See chapter 1 on regions in India.

While intensive use of natural resources like land and water has led to increased production and yields, the use of the natural resources has not always been judicious. Experience shows fertility of land is declining due to overuse, excessive use of chemical fertilisers and pesticides. The situation of water is equally alarming. Like in village Rampur, most of irrigation in India is based on tapping underground water. As a result underground water tables have fallen rapidly across the country. Even in regions with bountiful rains and favourable natural systems of recharge the water tables have reached dangerously low levels. As the water tables decline, farmers have to drill deeper tubewells than before. The use of diesel/ electricity for irrigation rises accordingly. We shall understand these issues further in chapters on Sustainability and Water Resource.

- Looking at an atlas identify areas that are well irrigated. Does your region fall under this category?

- The following table shows the land under cultivation in India in units of million hectares. Plot this on the graph provided. What does the graph show? Discuss in class.

Graph : 1



Year	Cultivated Area (in million hec)
1950	120
1960	130
1970	140
1980	140
1990	140
2000	140
2010	140

- You have read about the crops grown in Rampur. Fill the following table based on information on the crops grown in your region.

Name of crop	Month sown	Month harvested	Source of water/ irrigation (Rain, tanks, tubewells, canals, etc.)

- What are the reasons for multiple cropping in cultivation.

Land distribution in Rampur

You must have realised how important land is for farming. Unfortunately, not all the people engaged in agriculture have sufficient land for cultivation. The population of Rampur is about 2,660; there are about 450 families belonging to different castes. The upper caste families own majority of the land in the village. Their houses, some of them quite large, are made of brick with cement plastering. The SCs (dalits) comprise 1/3rd of the population and live in more modest houses, some portions of which may be thatched and are located in one corner, outside the main village area.

In Rampur, about 1/3rd, i.e. 150 families are landless. Most of the landless are dalits. There are 60 families of medium and large farmers who cultivate more than 2 hectares of land. A few of the large farmers have land extending over 10 hectares or more. 240 families cultivate small plots of land less than 2 hectares in size. Cultivation of such plots doesn't bring adequate income to the farmer family.

In 1960, Gobind was a farmer with 2.25 hectares of largely unirrigated land. With the help of his three sons Gobind cultivated the land. Though they didn't live very comfortably, the family managed to feed itself with a little bit of extra income from one buffalo that the family possessed. Some years after Gobind's death, this land was divided among his three sons. Each one now has a plot of land that is only 0.75 hectare in size. Even with improved irrigation and modern farming methods, Gobind's sons are not able to make a living from their land. They have to look for additional work during part of the year.

Map 9.1 is a map of land holdings in an A.P. Village. You can see the different sizes of plots and the relatively large number of small plots. You can see a draft sketch of crops in a village on backcover of the book.



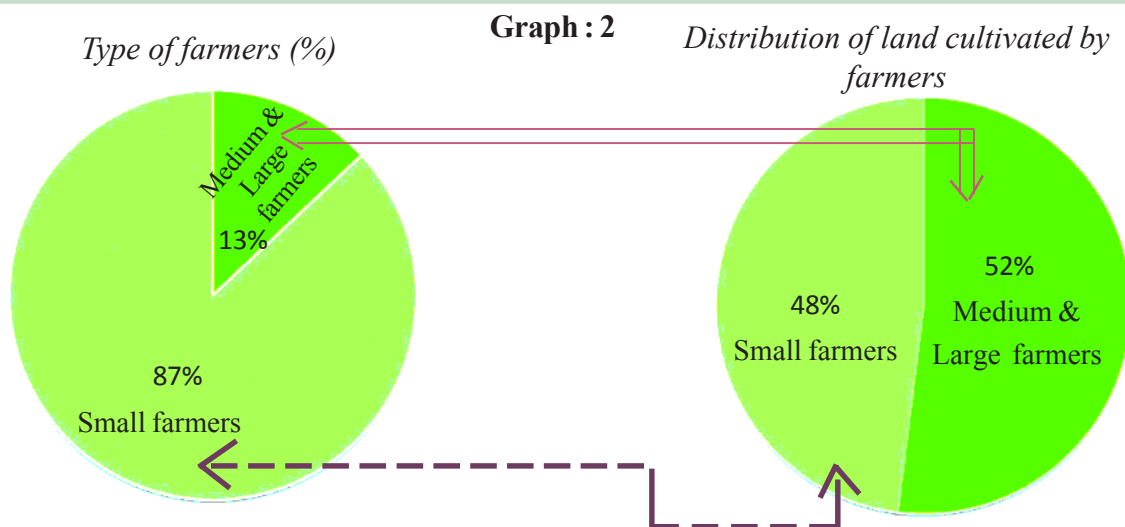
Map 1 : Distribution of land in an A.P. Village.

- In map 1 shade the small plots of land.
- Why do so many families of farmers cultivate such small plots of land?
- The distribution of farmers in India and the amount of land they cultivate are in the following table and pie-charts.

Type of Farmers	Size of Plots	Percentage of Farmers	Percentage of Cultivated Area
Small farmers	Less than 2 ha.	87%	48%
Medium and Large farmers	More than 2 ha.	13%	52%

Note: The data here refers to the land cultivated by farmers. It could be owned or taken on rent

- What do the arrows indicate? Would you agree that the distribution of cultivated land is unequal in India? Explain.



Organisation of Production

Let us try to understand the overall process of production in Rampur.

The aim of production is to produce goods and services that people need. Further, the producer requires a number of items to produce a good or service. These can be classified as follows.

The first requirement is land and other natural resources such as water, forests, minerals. We have read above how land and water are used for farming in Rampur.

The second requirement is labour, i.e. people who will do the work. Some production activities require highly trained and educated workers to perform the necessary tasks. Other activities require workers who can do manual work. Each worker is providing the necessary labour for production. Unlike common usage, labour refers to all human effort in production, not just manual labour. Hence, for example, whether one is an engineer, manager, accountant, supervisor, machine operator, sales representative or casual labour - all are providing labour for a factory to produce and sell its product.

The third requirement is capital, i.e. the variety of inputs required at every stage during production. What are the items that come under capital?

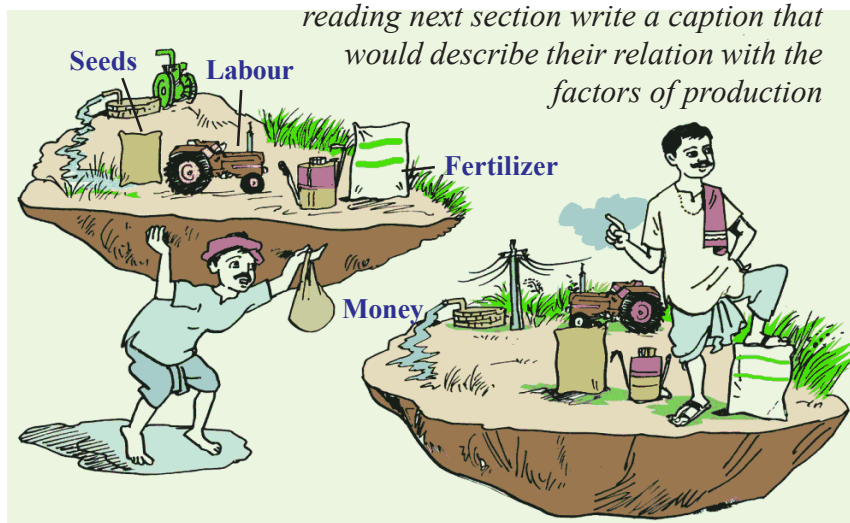
(a) Tools, machines, buildings: Tools and machines range from very simple tools such as a farmer's plough to sophisticated machines such as generators, turbines, computer automated machines, etc. They are not used up or consumed immediately in production process. They help to produce these goods over many years. They require some repair and maintenance so that they remain useful and can be used year after year. These are called fixed capital or physical capital. However, all machines etc have to be replaced after many years of being used by new and often better tools and machines.

(b) Raw materials and money required: The various raw materials such as the yarn used by the weaver and the clay used by the potter are used up in production. Also some money is required to buy other necessary materials for production and make payments for completing the production. It takes time to complete the production and then sell these goods or services in the market. Only then does money flow back into the production process. This requirement for raw material and money is therefore called working capital. This is different from physical capital because unlike tools, machines or buildings these are used up in the production cycle.

The fourth requirement is knowledge and enterprise: To be able to use land, labour and physical capital in a meaningful way to produce some goods or services, knowledge of the process of production and confidence is essential. Owners of the physical capital or managers hired by them provide this knowledge. The owners also have to take the risks of the market i.e. whether the goods or services produced would find sufficient buyers. In our society most goods and services are produced for sale in the market, hence the entrepreneurs who produce for the market have to plan, organise and manage. These entrepreneurs could be farmers, shopkeepers, small scale manufacturers, service providers such as doctors, lawyers, etc or large companies. Their goods or services are bought by people. They may earn a profit or could suffer a loss.

Every production is organised by people or entrepreneurs combining the elements of land, labour and physical capital. These are known as factors of production.

Fig 9.1 : Small farmer, Big farmer. After reading next section write a caption that would describe their relation with the factors of production



Labour for the Farm

After land, labour is the next necessary factor for production. Farming requires a great deal of hard work. Small farmers along with their families mostly cultivate their own fields. Generally, they provide the labour required for farming themselves. Medium and large farmers hire farm labourers to work on their fields.

Farm labourers come either from landless families or families cultivating small plots of land. Unlike farmers working on their own fields, farm labourers do not have a right over the crops grown on the land. Instead they are paid wages by the farmer for whom they work. They have been employed to do the work.

Wages can be in cash or in kind (crop). Sometimes labourers get meals, too. Wages vary widely from region to region, from crop to crop, from one farm activity to another (like sowing and harvesting). There is also wide variation in the duration of employment. A farm labourer might be employed on a daily basis, or on contract for one particular farm activity like harvesting, or for the whole year.



Fig 9.2 Potato harvesting in the Himalayas

Dala is a landless farm labourer who works on daily wages in Rampur. This means he must regularly look for work. Dala's wages are less than what the Uttar Pradesh government has set as minimum wages for labourers. There is heavy competition for work among the farm labourers in Rampur, so people agree to work for lower wages. With large farmers increasingly relying on machines like tractors, threshers, harvesters, the number of days of work available to a worker is very low in rural areas. In the whole of last year, Dala got less than five months of work on the farm. In periods when no work is available, Dala and many like him have applied to village Panchayat for work under MGNREGA.

- Why are farm labourers like Dala poor?
- What do the large and medium farmers in Rampur do to get labour for their farms? Compare with your region.
- Fill in the following table:

Labour in production process	Give three different examples of production activity for each
Where owner/ family also provides the labour required	
Where owners hire labourers to do the work	

- What are the ways of providing labour, in the production of goods or services that you observe in your region?

Table 1 : Daily Wages for different farm activities in Andhra Pradesh in December 2011 (in Rupees)

Workers	Ploughing	Sowing	Weeding	Trans-planting	Harvesting	Winnowing	Threshing	Picking Cotton
Male	214	197	215	-	164	168	152	-
Female	-	152	130	143	126	124	118	136

The table gives average daily wages that are paid for different farm activities to workers in Andhra Pradesh. However, there's a lot of variation across regions.

A woman worker gets Rs. 136 for picking cotton for a full day. You will notice that certain tasks like ploughing are done primarily by men, so there is no wage recorded for women. Tasks such as transplanting paddy and picking cotton are primarily done by women. There are certain production activities that are done by both men and women. The wages for men are higher than women, even when they are doing the same job. The State governments fix a common minimum wage to be paid by all employers (private and public) within the state.

- Compare the figures for daily wages given above with those prevailing in your region for any of the operations.
- Find out the minimum wage and compare with this.
- Why do you think men receive a higher wage than women for the same job? Discuss.

Capital: Arranging physical and working capital

You have read in earlier classes how modern farming involves high yielding variety seeds, assured irrigation, fertiliser and pesticides. This, in turn, means that the farmers require a sufficient amount of capital for production, and therefore money. Let's see how farmers arrange for physical capital and working capital required in farming.

Most small farmers have to borrow money to arrange for the working capital. They borrow from large farmers or the village moneylenders or the traders who supply various inputs for cultivation. The rate of interest on such loans is very high. They are put to a great distress to repay the loan.

Savita is a small farmer. She plans to cultivate wheat on her 1 ha. of land. Besides seeds, fertilisers and pesticides, she needs cash to buy water and repair her farm instruments. She estimates that the working capital itself would cost a minimum of Rs. 6000. She doesn't have the money, so she decides to borrow from Tejpal, a large farmer. Tejpal agrees to give Savita the loan at 36% per annum interest rate, which is a high rate, for four months. Savita also has to promise to

work on his field as a farm labourer during the harvest season at Rs 100/ day. As you can tell, this wage is quite low. Savita knows that she will have to work very hard to complete harvesting on her own field and then work as a farm labourer for Tejpal. The harvest time is a very busy time. As a mother of three children she has a lot of household responsibilities. Savita agrees to these tough conditions as she knows getting a loan is difficult for a small farmer.

In contrast to the small farmers, the medium and large farmers generally have their own savings from farming. They are thus able to arrange for seeds, fertiliser, pesticide, payments to labourers etc - the working capital needed for farming. How do these farmers have their own savings? You shall find the answer in the next section.

All large farmers in this village have tractors. They use this for ploughing and sowing their farms and hire out these tractors to other small farmers. Most of them also have threshers and some own harvesters. All such farmers have many tubewells to irrigate their farms. These tools and machines are all part of physical capital for farming.

Surplus or Loss for the farmer

Let us suppose that the farmers have produced wheat on their lands using the three factors of production. They retain a part of the wheat for the family's consumption and sell the surplus. Small farmers like Savita and Gobind's sons have little surplus wheat because their total production is small and from this a substantial share is kept for their own family needs. So generally it is the medium and large farmers who supply wheat to the wholesale market yard. The traders at the market yard buy the wheat and sell it further to shopkeepers in the towns and cities.



Fig 9.3 : Grain being taken to the market

Tejpal, the large farmer, has a surplus of 350 quintals of wheat from all his lands. He sells the surplus wheat at the Raiganj market yard and has good earnings.

What does Tejpal do with his earnings? Last year, Tejpal had put most of the money in his bank account. Later he used the savings for lending to farmers like Savita who were in need of a loan. He also used the savings to arrange for the working capital for farming in the next

season. This year Tejpal plans to use his earnings to buy another tractor. There's good business of hiring out tractors in the neighbouring villages. Another tractor would increase his fixed capital.

Like Tejpal, other large and medium farmers sell the surplus farm produce. A part of the earnings is saved and kept for buying capital for the next season. Some farmers might also use the savings to buy cattle, trucks, or to set up shops. These constitute the capital for non-farm activities. They may also buy more land.

There is often a loss in farm activities, especially when crops are damaged because of floods, pests, etc. The other risk is sudden fall in price of agriculture produce. In such situations farmers find it difficult to recover the working capital they have spent.

Surplus and Capital for Production

- Consider three farmers. Each has grown wheat on his field though the production is different as in Column 2. To analyse the situation faced by different farmers we need to assume that some conditions are the same for all. To keep things simple, let us suppose the following conditions:

1. The consumption of wheat by each farmer family is the same (Column 3).
2. The whole of surplus wheat this year is used as seeds for working capital for the next year's production by all the farmers. They also have land to do so.
3. Also suppose, production output is twice the working capital used in production in all the farms. There is no sudden loss in production.

Complete the table.

Farmer 1

Year	Production	Consumption	Surplus = Production - Consumption	Capital for the next year
Year 1	100	40	60	60
Year 2	120	40		
Year 3		40		

Farmer 2

Year	Production	Consumption	Surplus	Capital for the next year
Year 1	80	40		
Year 2		40		
Year 3		40		

Farmer 3

Year	Production	Consumption	Surplus	Capital for the next year
Year 1	60	40		
Year 2		40		
Year 3		40		

- Compare the production of wheat by the three farmers over the years.
- What happens to the Farmer 3 in Year 3? Can he continue production? What will he have to do to continue production?



Fig 9.4 : Tea and Rubber. Farming sector also includes crops like Tea, Coffee, Rubber plantations and fruit orchards

NON-FARM ACTIVITIES IN RAMPUR

Apart from farming, which is the main production activity, there are some non-farm production activities. Only 25 percent of the people working in Rampur are engaged in activities other than agriculture.

Dairy - the other common activity

Dairy is a common activity in many families of Rampur. People feed their buffaloes on various kinds of grass and jowar and bajra fodder cultivated during the rainy season. The milk is sold in Raiganj. Two traders from Jahangirabad have set up collection cum chilling centers at Raiganj from where the milk is transported to faraway places such as Bulandshahr and Delhi. The production factors of this activity are briefly described:

Land: Own shed in the village

Labour: Family labour, especially women to look after the buffaloes

Physical Capital: Buffaloes purchased at the cattle fair

Working capital: Feed from their land, some medicines are purchased

Small-scale manufacturing in Rampur

At present, less than fifty people are engaged in manufacturing in Rampur. Unlike the manufacturing that takes place in the big factories in the towns and cities, manufacturing in Rampur involves very simple production methods and are done on a small scale. They are carried out mostly at home or in the fields with the help of family labour. Labourers are rarely hired.

Mishrilal has purchased a mechanical sugarcane crushing machine run on electricity and prepares jaggery. Earlier sugarcane was crushed by using bullocks, but these days people prefer to do it by machines. Apart from using the

sugarcane that Mishrilal has cultivated, he also buys sugarcane from other farmers and processes it into jaggery. The jaggery is then sold to traders at Jahangirabad. In the process, Mishrilal makes a small profit.

The shopkeepers of Rampur

People involved in trade (exchange of goods) are not many in Rampur. The traders of Rampur buy various goods from wholesale markets in the cities and sell them in the village. Small general stores in the village sell a wide range of items like rice, wheat, sugar, tea, oil, biscuits, soap, toothpaste, batteries, candles, notebooks, pen, pencil, even some cloth.

A few of the families whose houses are close to the bus stand have used a part of the space to open small shops. They sell eatables like tea, *samosa*, *kachori*, *namkeen*, some sweets, toffees, cold drinks, etc. The women and the children in the family all share the work. In our country a large section of people are self employed like farmers, shopkeepers, hawkers etc. They are owners because they have to plan and organise and take the risk of producing goods or services. At the same time they also provide their own labour to manage the process.

A few shopkeepers also buy goods that the villagers produce and supply it to shops/ markets in the bigger villages and towns. For instance, the person running the flour mill also buys wheat from the small farmers in the village and sells it at the Raiganj market. Flour milling and trading are two different businesses.

Transport: a fast developing sector

A variety of vehicles on the road connect Rampur to Raiganj. *Rickshawallahs*, *tongawallahs*, jeep- tractor- truck- drivers, and people driving the traditional bullock cart and *bogey* are people in the transport services. They ferry people and goods from one place to another, and in return get paid for it. The number of people involved in transport has grown over the last several years.

Kishora is a farm labourer. Like other such labourers, Kishora found it difficult to meet his family's needs from the wages that he received. A few years back Kishora took a loan from the bank. This was under a government programme

- What physical capital did Mishrilal need to set up this process?
- Who provides the labour in this case?
- Why is Mishrilal unable to increase his profit? Think of reasons when he could face a loss.
- Why does Mishrilal sell jaggery to traders in Jahangirabad and not in his village?

- On whose land is the shop located?
- Who supplies labour to these small shops selling eatables?
- Guess what working capital would such shops require.
- List the physical capital items.
- From a hawker in your area find out the daily sales. How will you find if there is some savings? Discuss with your teacher.

which was giving cheap loans to poor landless households. Kishora bought a buffalo with this money. He now sells the buffalo's milk. Further, he has at-

- What is Kishora's fixed capital?
- What do you think would be his working capital?
- In how many production activities is Kishora involved?
- Would you say that Kishora has benefited from better roads in Rampur?

tached a wooden cart to his buffalo and uses it to transport various items. Once a week, he goes to the Ganges to bring back clay for the potter. Or sometimes he goes to Jahangirabad with a load of jaggery or other commodities. Every month he gets some work in transport. As a result, Kishora is able to earn more than what he used to do some years back.

Summing up

Farming is the main production activity in the village. Over the years there have been many important changes in the way farming is practiced. These have allowed the farmers to produce more crops from the same amount of land. This is an important achievement, since land is fixed and scarce. But in raising production a great deal of pressure has been put on land and other natural resources. There is urgent need to review the methods of production and ensure sustainable use of the resources.

Farming now needs much more of capital. The medium and large farmers are able to use their own savings from production to arrange for capital during the next season. On the other hand, the small farmers who constitute about 87 percent of total farmers in India find it difficult to obtain capital. Because of the small size of their plots, their production is not enough. The lack of surplus means that they are unable to obtain capital from their own savings, and have to borrow. Besides the debt, many of the small farmers have to do additional work as farm labourers because of the low income.

Labour being the most abundant factor of production, it would be ideal if the new ways of farming used much more labour. Unfortunately, such a thing has not happened. The use of labour on farms is limited. The labour, looking for opportunities is thus migrating to neighbouring villages, towns and cities. Some labour has entered the non-farm sector in the village.

At present, the non-farm sector in the village is not very large. Though there is a variety of non-farm activities in the villages (we have only seen a few examples), the number of people employed in each is quite small. In 2009-2010, out of every 100 workers in the rural areas in India, 32 are engaged in non-farm activities. This includes the workers who are employed as part of MGNREGA on various projects. MGNREGA has provided some support to the incomes of rural workers.

In the future, one would like to see more non-farm production activities in the village. Unlike farming, non-farm activities require little land. People with some amount of capital can set up non-farm activities. How does one obtain this capital? One can either use his own savings, but more often has to take a loan. It is important that loan be available at low rate of interest so that even people without savings can start some non-farm activity. Another thing which is essential for expansion of non-farm activities is to have markets where the goods and services produced can be sold. In Rampur, we saw the neighbouring villages, towns and cities provide the markets for milk, jaggery, wheat, etc. As more villages get connected to towns and cities through good roads, transport and telephone, it is possible that the opportunities for non-farm activities production activities in the village would increase in the coming years.

Key words

Factors of Production	Land	Labour	Working capital
Fixed capital	Surplus	Farm activities	Non-Farm activities

Improve your learning

1. Every village in India is surveyed once in ten years during the Census and the details are presented in the following format. Fill up the following based on information on Rampur.

- a. Location:
- b. Total area of the Village:
- c. Land use (in hectares):

Cultivated Land		Land not available for cultivation (Area covering dwellings, roads, ponds, grazing ground)
Irrigated	Unirrigated	
		26 hectares
d. FACILITIES		
Educational		
Medical		
Market		
Electricity Supply		
Communication		
Nearest Town		

2. Why are the wages for farm labourers in Rampur less than minimum wages?
3. Talk to two labourers from your region. Choose either farm labourers or labourers working at construction sites. What wages do they get? Are they paid in cash or kind? Do they get work regularly? Are they in debt?
4. What are the different ways of increasing production on the same piece of land? Use examples to explain.
5. How do the medium and large farmers obtain capital for farming? How is it different from the small farmers?
6. On what terms did Savita get a loan from Tejpal ? Would Savita's condition be different if she could get a loan from the bank at a low rate of interest?
7. Talk to some elderly persons in your region and write a small report on the changes in irrigation and changes in production methods during the last 30 years.
8. What are the main non-farm production activities taking place in your region? Write a brief report on any one such activity.
9. Imagine a situation where labour is the scarce factor of production instead of land. Would the story of Rampur be different? How? Discuss in class.
10. Gosaipur and Majauli are two villages in North Bihar. Out of a total of 850 households in the two villages, there are more than 250 men who are employed in rural Punjab and Haryana or in Delhi, Mumbai, Surat, Hyderabad or Nagpur. Such migration is common in most villages across India. Why do people migrate? Can you describe (based on your imagination and previous chapter) the work that the migrants of Gosaipur and Majauli might do at the place of destination?
11. Land is also required for production of goods in an urban area. In what ways is the use of land different from a rural area?
12. Read again the meaning of “land” in the production process. Give three examples, other than agriculture, where this requirement is most significant in the process of production.
13. Water, a natural resource for production, particularly agricultural production, now requires greater capital for its use. Can you explain the statement?



a & b) going to school, c) school entrance, d) in classroom, e) teacher at board

If you have access to internet watch the entire advertisement in following link:

<http://www.youtube.com/watch?v=VHYtShXI510>

What you see above is an advertisement for a magazine published from London. It is trying to get more subscribers in India. To woo Indian readers it seems to be

suggesting that countries like China are turning to India and learning Indian languages. This could be to communicate with Indian traders and manufacturers or to train Chinese workers who want to go to India to find work etc. Thus you can see several dimensions of globalisation in this ad: a magazine published in English from Britain looking for buyers in India; Chinese trying to learn Indian languages; Chinese hoping to sell their products in India or sending their workers to India or doing business with Indian partners.

Globalisation is a major change that occurred across the globe in the late 20th century. This has political, cultural as well as economic dimensions. Some

of these aspects you have learned in the context of service sector during Class IX and VIII where new job opportunities like call centres are emerging. You will also recognise that there is large number of consumer products available in the market.

- Choose any one single item like Mobile phones, or vehicle; identify the number of Brands available in the market. Are they owned and manufactured in India or abroad? Discuss with your parents or other adults and find out how many such brands were available 30 years ago.

We identify three types of movement within international economic exchanges. The first is the flow of trade in goods as well as services. The second is the flow of labour – the migration of people in search of employment. The third is the movement of capital for short-term or long-term investments over long

distances. Besides, there are political and cultural dimensions of globalisation. For instance last year several nations in Western Asia and Northern Africa like Tunisia, Egypt were influenced by each other's revolutions and uprooting of dictators. This was called 'Arab Spring' in the media. In these countries media played a crucial role. Television Channels that were owned and run by people from other countries supported such mobilisation which resulted in regulating the powers of local leaders. While events like civil war or natural disasters like Tsunami are discussed within the national boundaries they also receive support and sympathy from around the world. Globalisation is not merely about the market, ideas are also being shared and expanded.

19th Century Labour Migration

Many think of globalisation as a late 20th century phenomenon. While it is true that the present form of globalisation has emerged in the last thirty to forty years, there have been important phases in the history of the world, when nations have been inter-connected. The 19th century witnessed an accelerated pace of foreign trade, foreign investment and labour migration. Though labour movement was not as free as movements of goods and capital, it is estimated that nearly 50 million people emigrated from Europe to America and Australia. All over the world some 150 million are estimated to have left their homes. Hundreds of thousands of Indian and Chinese labourers went to work on plantations, in mines and in road and railway construction projects around the world as part of the colonial plan. Many of these were indentured migrants. An indentured labourer is a bonded labourer under contract to work for an employer for a specific amount of time, to pay off his passage to a new country or home. The main destinations of Indian indentured migrants were the Caribbean islands, Mauritius, Fiji, Malaya, Ceylon etc. Living and working conditions were often harsh, and there were few legal rights. Many migrants settled permanently in the destination countries and thus emerged new blends of cultural expressions.

It is noteworthy that such huge movement of labourers has not been observed in the recent experience of globalisation. Today there is demand for migration from professional people, but this is often restricted, leading to issues of conflict.

In this chapter our focus is mostly on the economic aspects of globalisation as they have unfolded in the past thirty to forty years.

Production across Countries

Until the middle of the twentieth century, production was largely organised within countries. Raw materials, food grains and finished products only crossed the boundaries of these countries. Colonies such as India exported raw materials and food grains and imported finished goods. Trade was the main channel connecting distant countries. This was before large multinational companies (MNCs) emerged on the scene. An MNC is a company that owns or controls production in more than one nation. MNCs set up offices and factories for production in regions where they can get cheap labour and other resources. This is done so that the cost of production is low and the MNCs can earn greater profits.

Consider the following example. A large MNC, producing industrial equipment, designs its products in research centres in the United States, and then has the components manufactured in China. These are then shipped to Mexico and Eastern Europe where the products are assembled and the finished products are sold all over the world. Meanwhile, the company's customer care is carried out through call centres located in India. (Identify these countries on a global map.)

In this example the MNC is not only selling its finished products globally, but more important, the goods and services are produced globally. As a result, production is organised in increasingly complex ways. The production process is divided into small parts and spread out across the globe. In the above example, China provides the advantage of being a cheap manufacturing location. Mexico and Eastern Europe are useful for their closeness to the markets in the US and Europe. India has educated English speaking youth who can provide customer care services. And all this probably can mean 50-60 per cent cost-savings for the MNC! The advantage of spreading out production across the borders to the multinationals can be truly immense.

Interlinking Production Across Countries

In general, the criteria for selecting a site for operations of MNCs are: proximity to the markets; availability of skilled and unskilled labour at low costs; assured availability of other factors of production, government policies that protect their interests. The money that MNCs spend to buy assets such as land, building, machines and other equipment is called foreign investment. Any investment is made with the hope that these assets will earn profits.

At times, MNCs set up production jointly with the local companies of these countries. The local company benefits by the additional investments and the latest technology that the MNCs bring.

But the most common route for MNC investments is to buy up local companies and then to expand production. MNCs with huge wealth can quite easily do so. For example, Cargill Foods, a very large American MNC, has bought over smaller Indian

'WE WILL SHIFT THIS FACTORY TO ANOTHER COUNTRY. IT HAS BECOME EXPENSIVE HERE.'



companies such as Parakh Foods. Parakh Foods had four oil refineries and a large marketing network in various parts of India, where its brand was well-reputed. With the takeovers, Cargill is now the largest producer of edible oil in India.

In fact, many of the top MNCs have wealth exceeding the entire budgets of the developing country governments. With such enormous wealth, imagine the power and influence of these MNCs!

There's another way in which MNCs control production. Large

MNCs in developed countries place orders for production with small producers. Garments, footwear, sports items are examples of industries where production is carried out by a large number of small producers around the world. The products are supplied to the MNCs, which then sell these under their own brand names to the customers. These large MNCs have tremendous power to determine price, quality, delivery, and labour conditions for these distant producers. As a result of the MNCs, production in widely dispersed locations is getting interlinked.

Ford Motors, an American company, is one of the world's largest automobile manufacturers with production spread over 26 countries of the world. Ford Motors came to India in 1995 and spent Rs. 1700 crore to set up a large plant near Chennai. This was done in collaboration with Mahindra and Mahindra, a major Indian manufacturer of jeeps and trucks. By the year 2004, Ford Motors was selling 27,000 cars in the Indian markets, while 24,000 cars were exported from India to South Africa, Mexico and Brazil. The company wants to develop Ford India as a component supplying base for its other plants across the globe.



- Would you say Ford Motors is an MNC? Why?
- What is foreign investment? How much did Ford Motors invest in India?

- By setting up their production plants in India, MNCs such as Ford Motors tap the advantage not only of the large markets that countries such as India provide, but also the lower costs of production. Explain the statement.
- Why do you think the company wants to develop India as a base for manufacturing car components for its global operations? Discuss the following factors:
 - (a) cost of labour and other resources in India
 - (b) the presence of several local manufacturers who supply auto parts to Ford Motors
 - (c) closeness to a large number of buyers in India and China
- In what ways will the production of cars by Ford Motors in India lead to interlinking of production?
- In what ways is a MNC different from other companies?
- Nearly all major multinationals are American, Japanese or European, such as Nike, Coca-Cola, Pepsi, Honda, Nokia. Can you guess why?

Foreign Trade and Integration of Market

For a long time trade has been the main channel of connecting countries. In history you would have read about the trade routes connecting India and South Asia to markets both in the East and West and the extensive trade that took place along these routes. Also, you would remember that it was trading interests which attracted various trading companies such as the East India Company to India. What then is the basic function of foreign trade?

To put it simply, foreign trade creates an opportunity for the producers to reach beyond the domestic markets. Similarly, for the buyers, trade expands the choice of goods beyond what is domestically produced. Foreign trade thus results in connecting the markets or integration of markets in different countries.

- What was the main channel connecting countries in the past? How is it different now?
- Distinguish between foreign trade and foreign investment.
- In recent years China has been importing steel from India. Explain how the import of steel by China will affect:
 - (a) steel companies in China.
 - (b) steel companies in India.
 - (c) industries buying steel for production of other industrial goods in China.
- How will the import of steel from India into the Chinese markets lead to integration of markets for steel in the two countries?

Chinese manufacturers started exporting plastic toys to India. Buyers in India now have the option of choosing between Indian and the Chinese toys. Because of the cheaper prices and new designs, Chinese toys became popular in the Indian markets. Within a year, 70 to 80 per cent of the toy shops have replaced Indian toys with Chinese toys. Toys are now cheaper in the Indian markets than earlier.

For the Chinese toy makers, this trade provided an opportunity to expand their business. The opposite is true for Indian toy makers. Competition has forced some of the Indian producers to innovate, whereas others have perished.

MNCs and Globalisation

In the past three or four decades, more and more MNCs have been looking for locations around the world which would be cheap for their production. Foreign investment by MNCs in these countries has been rising. At the same time, foreign trade between countries has been rising rapidly. A large part of the foreign trade is also controlled by MNCs. For instance, the car manufacturing plant of Ford Motors in India not only produces cars for the Indian markets, it also exports cars to other developing countries and exports car components for its many factories around the world. Likewise, activities of most MNCs involve substantial trade in goods and also services.

The result of greater foreign investment and greater foreign trade has been greater integration of production and markets across countries. Globalisation is this process of rapid integration or interconnection between countries. MNCs are playing a major role in the globalisation process. More and

more goods and services, investments and technology are moving between countries. Most regions of the world are in closer contact with each other than a few decades back.



The flow of capital, people, technology is supposed to have created a borderless world. As a result, states lose power to determine many aspects of life even within their borders. For instance, the most important decisions regarding the value of a currency which were at the high point of the nation state made by sovereign governments are today, made outside government corridors and more often by market players and forces over which governments have very little control.

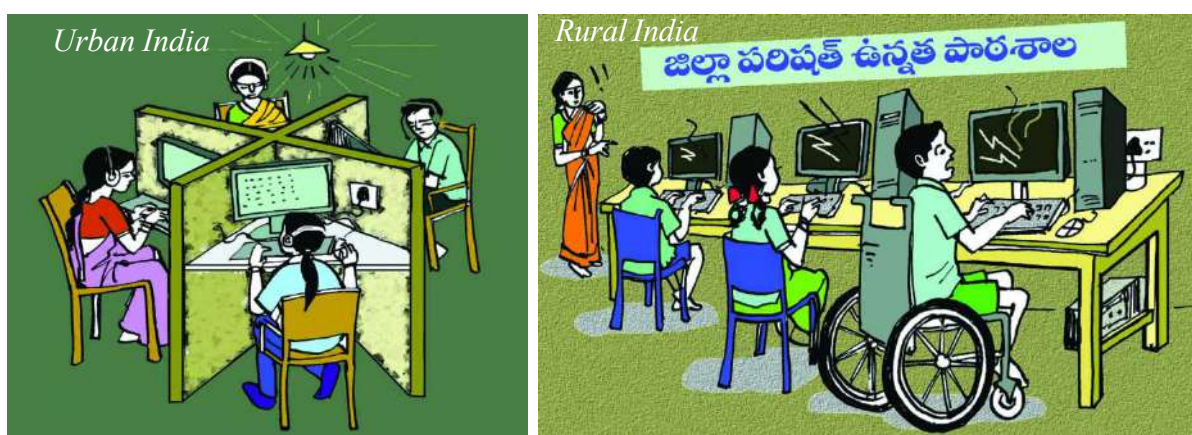
- What is the role of MNCs in the globalisation process?
- What are the various ways in which countries can be linked?
- Choose the correct option: Globalisation, by connecting countries, results in
 - (a) lesser competition among producers.
 - (b) greater competition among producers.
 - (c) no change in competition among producers.

Factors that have enabled Globalisation

Technology

Rapid improvement in technology has been one major factor that has stimulated the globalisation process. For instance, the past fifty years have seen several improvements in transportation technology. As a result goods are delivered faster across long distances at lower costs.

The developments in information and communication technology have been even more remarkable and rapid. Telecommunication facilities (telegraph, telephone including mobile phones, fax) are used to contact one another around the world, to access information instantly, and to communicate from remote areas. This has been facilitated by satellite communication devices. Computers have now entered almost every field of activity. You might have also ventured into the amazing world of internet, where you can obtain and share information on almost anything you want to know. Internet also allows us to send instant electronic mail (e-mail) and talk (voice-mail) across the world at negligible costs.



Some 20 years ago:

Urban India “We got fast connections for computers.” Rural India “still has powercuts.”

Currently :

Urban India “We got internet on mobiles too.” Rural India “What is 3G and 4G ? still struggling for stable connections.”

A news magazine published for London readers is to be designed and printed in Delhi. The text of the magazine is sent through Internet to the Delhi office. The designers in the Delhi office get instructions on how to design the magazine from the office in London using telecommunication facilities. The designing is done on a computer. After printing, the magazines are sent by air to London. Even the payment of money for designing and printing from a bank in London to a bank in Delhi is done instantly through the Internet (e-banking)!

- In this example, underline the words describing the use of technology in production.
- How is information technology connected with globalisation? Would globalisation have been possible without expansion of IT?

Liberalisation of foreign trade and foreign investment policy

Let us return to the example of imports of Chinese toys in India. Suppose the Indian government puts a tax on import of toys. And because of the tax, buyers will have to pay a higher price on imported toys. Chinese toys will no longer be as cheap in the Indian markets and imports from China will automatically reduce. Indian toy-makers will prosper.

Tax on imports is an example of trade barrier. It is called a barrier because some restriction has been set up. Governments can use trade barriers to increase or decrease (regulate) foreign trade and to decide what kinds of goods and how much of each, should come into the country.

The Indian government, after Independence, had put barriers to foreign trade and foreign investment. This was considered necessary to protect the producers within the country from foreign competition. Industries were just coming up in the 1950s and 1960s, and competition from imports at that stage would not have allowed these industries to survive. Thus, India allowed imports of only essential items such as machinery, fertilisers, petroleum etc. Note that all developed countries, during the early stages of development, have given protection to domestic producers through a variety of means.

However, starting around 1991, some far reaching changes in policy were made in India. The government decided that the time had come for Indian producers to compete with producers around the globe. It felt that competition would improve the performance of producers within the country since they would have to improve their quality. This decision was supported by powerful international organisations.

Thus, barriers on foreign trade and foreign investment were removed to a large extent. This meant that goods could be imported and exported easily and also foreign companies could set up factories and offices here.

Removing barriers or restrictions set by the government is known as liberalisation. With liberalisation of trade, businesses are allowed to make decisions freely about what they wish to import or export. The government imposes much less restrictions than before and is therefore said to be more liberal.

We must now ask ourselves what actually drives globalisation. Is it a political decision or is it an economic and technological revolution? Economic proponents of globalisation argue that it is economic forces that are responsible for globalisation and control its contours and borders. Those holding the political line argue it is the government decisions that allow movement in the first place. Governments place restrictions or ease regulations. The attractiveness or unattractiveness of places has to do with the political climate and not necessarily the market conditions and therefore territory still matters. In reality, both are connected. We must remember that political decisions are taken in a particular context, which accounts for the economic and technological change that has already taken place.

- What do you understand by liberalisation of foreign trade?
- Tax on imports is one type of trade barrier. The government could also place a limit on the number of goods that can be imported. This is known as quotas. Can you explain, using the example of Chinese toys, how quotas can be used as trade barriers? Do you think this should be used? Discuss.

Institutions of Global Governance

Today, many decisions on key issues that affect large parts of the world are taken by institutions of global governance. A good example is the issue of climate change. Initially the issue of reducing carbon emissions were left to individual countries. However, it was soon found that if one country were to attempt to reduce carbon emissions, industry could just shift to another location, where there are lower regulations. Consequently, the issue of emissions and climate change have to be tackled by countries coming together.

Let us look at another institution of global governance, the WTO in slightly more detail.

World Trade Organisation (WTO)

We have seen that the liberalisation of foreign trade and investment in India was supported by some very powerful international organisations. These organisations say that barriers to foreign trade and investment are harmful. Trade between countries should be 'free' without any barriers. World Trade Organisation (WTO) is one such organisation whose aim is to liberalise international trade. Started at the initiative of the developed countries, WTO establishes rules regarding international trade, and sees that these rules are obeyed. Nearly 150 countries of the world are currently members of the WTO.

Though WTO is supposed to allow free trade for all, in practice, it is seen that the developed countries have unfairly retained trade barriers. On the other hand, WTO rules have forced the developing countries to remove trade barriers. An example of this is the current debate on trade in agricultural products.

The agriculture sector provides the bulk of employment in India. Compare this to a developed country such as the US with the share of agriculture in GDP at 1% and its share in total employment a tiny 0.5%! And yet this very small percentage of people who are engaged in agriculture in the US receive massive sums of money from the US government for production and for exports to other countries. Due to this massive money that they receive, US farmers can sell the farm products at abnormally low prices. The surplus farm products are sold in other country markets at low prices, adversely affecting farmers in these countries.

Developing countries are, therefore, asking the developed country governments, “We have reduced trade barriers as per WTO rules. But you have ignored the rules of WTO and have continued to pay your farmers vast sums of money. You have asked our governments to stop supporting our farmers, but you are doing so yourselves. Is this free and fair trade?”

- Fill in the blanks.

WTO was started at the initiative of _____ countries. The aim of the WTO is to _____. WTO establishes rules regarding _____ for all countries, and sees that _____. In practice, trade between countries is not _____. Developing countries like India have _____, whereas developed countries, in many cases, have continued to provide protection to their producers.

- What do you think can be done so that trade between countries is fairer?
- In the example on the left, we saw that the US government gives massive sums of money to farmers for production. At times, governments also give support to promote production of certain types of goods, such as those which are environmentally friendly. Discuss whether these are fair or not.

Impact of Globalisation in India

What has been the effect of globalisation on the lives of people? Globalisation has been of advantage to consumers, particularly the well-off sections in the urban areas. There is greater choice before these consumers who now enjoy improved quality and lower prices for several products. As a result, these people today enjoy much higher standards of living than was possible earlier. Among producers and workers, the impact of globalisation has not been uniform.

Firstly, MNCs have increased their investments in India, which means investing in India has been beneficial for them. MNCs have been interested in industries such as cell phones, automobiles, electronics, soft drinks, fast food or services such as banking in urban areas. These products have a large number of well-off

buyers. In these industries and services, new jobs have been created. Also, local companies supplying raw materials, etc. to these industries have prospered.

Secondly, several of the top Indian companies have been able to benefit from the increased competition. They have invested in newer technology and production methods and raised their production standards. Some have gained from successful collaborations with foreign companies.

Moreover, globalisation has enabled some large Indian companies to emerge as multinationals themselves! Tata Motors (automobiles), Infosys (IT), Ranbaxy (medicines), Asian Paints (paints), Sundaram Fasteners (nuts and bolts) are some Indian companies which are spreading their operations worldwide.

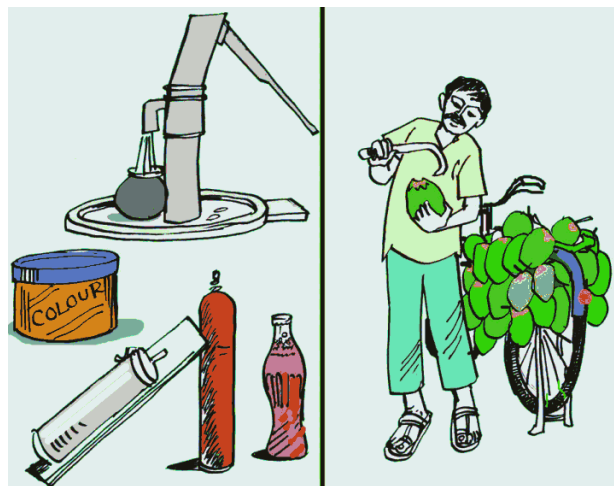
Globalisation has also created new opportunities for companies providing services, particularly those involving IT. The Indian company producing a magazine for the London based company and call centres are some examples. Besides, a host of services such as data entry, accounting, administrative tasks, engineering are now being done cheaply in countries such as India and are exported to the developed countries.

In recent years, the central and state governments in India are taking special steps to attract foreign companies to invest in India. Industrial zones, called Special Economic Zones (SEZs), are being set up. SEZs are to have world class facilities: electricity, water, roads, transport, storage, recreational and educational facilities. Companies who set up production units in the SEZs do not have to pay taxes for an initial period of five years.

Government has also allowed flexibility in the labour laws to attract foreign investment. Instead of hiring workers on a regular basis, companies hire workers 'flexibly' for short periods when there is intense pressure of work. This is done to reduce the cost of labour for the company. However, foreign companies are demanding further flexibility in labour laws.

- How has competition benefited people in India?
- Should more Indian companies emerge as MNCs? How would it benefit the people in the country?
- Why do governments try to attract more foreign investment?
- Elsewhere we read what may be development for one may be destructive for others. The setting of SEZs has been opposed by some people in India. Find out who are these people and why are they opposing it.

Write an imaginary caption for the image here. What does it tell about the globalisation



Small producers: Compete or perish

For a large number of small producers and workers globalisation has posed major challenges.



Ravi did not expect that he would have to face a crisis in such a short period of his life as an industrialist. Ravi took a loan from the bank to start his own company producing capacitors in 1992 in Hosur, an industrial town in Tamil Nadu. Capacitors are used in many electronic home appliances including tube lights, television etc. Within three years, he was able to expand production and had 20 workers under him.

His struggle to run his company started when the government removed restrictions on imports of capacitors as per its agreement at WTO in 2001. His main clients, the television companies, used to buy different components including capacitors in bulk for the manufacture of television sets. However, competition from the MNC brands forced the Indian television companies to move into assembling activities for MNCs. Even when some of them bought capacitors, they would prefer to import as the price of the imported item was half the price charged by people like Ravi.

Ravi now produces less than half the capacitors that he produced in the year 2000 and has only seven workers working for him. Many of Ravi's friends in the same business in Hyderabad and Chennai have closed their units.

- What are the ways in which Ravi's small production unit was affected by rising competition?
- Should producers such as Ravi stop production because their cost of production is higher compared to producers in other countries? What do you think?
- Recent studies point out that small producers in India need three things to compete better in the market: (a) better roads, power, water, raw materials, marketing and information network, (b) improvements and modernisation of technology, and (c) timely availability of credit at reasonable interest rates. Explain how these three things would help Indian producers.
- Do you think MNCs will be interested in investing in these? Why?
- Do you think the government has a role in making these facilities available? Why?
- Think of any other steps that the government could take. Discuss.

The struggle for a fair Globalisation

The above evidence indicates that not everyone has benefited from globalisation. People with education, skill and wealth have made the best use of the new opportunities. On the other hand, there are many people who have not shared the benefits. Since globalisation is now a reality, the question is how to make globalisation more 'fair'? Fair globalisation would create opportunities for all, and also ensure that the benefits of globalisation are shared better.

The government can play a major role in making this possible. Its policies must protect the interests, not only of the rich and the powerful, but all the people in the country. You have read about some of the possible steps that the government can take. For instance, the government can ensure that labour laws are properly implemented and the workers get their rights. It can support small producers to improve their performance till the time they become strong enough to compete. If necessary, the government can use trade and investment barriers. It can negotiate at the WTO for 'fairer rules'. It can also align with other developing countries with similar interests to fight against the domination of developed countries in the WTO.

In the past few years, massive campaigns and representation by people's organisations have influenced important decisions relating to trade and investments at the WTO. This has demonstrated that people also can play an important role in the struggle for fair globalisation.

Other issues

An important question that has been debated is whether globalisation has seen the demise of nation state or not. For most part of the time, the nation state with

WB & IMF and their power

The International Bank for Reconstruction and Development (IBRD) and the International Development Association (IDA) are referred as World Bank. Both these Institutions have more than 170 members each. Countries like United States of America control the functioning of these institutions. Even today USA's voting is valued at 16%. Few other countries like Japan, Germany, United Kingdom, France have more than 3 to 6 % voting powers. Value of voting by the poorer countries is lower. Today India or China too have much more voting powers than poorer countries. World Bank is able to advice and impact the way governments frame their polices and guide them.

people organised on territorial grounds was the main form of political organisation when it came to demarcating countries. This territorial division created divisions of us and them, of outside and inside and laid the psychological foundations for creating a feeling for one's own country, the feeling of nationalism. The single most important impact of globalisation is the gradual dilution of this feeling.

Another issue that received attention is about

whether globalisation leads to cultural homogenisation or increases cultural diversity? While some argue that the impact of modern communication and technology has led to the spread of certain cultures and ideas which have marginalised local and small cultures, others argue that globalisation has also given space to and allowed the spread of distinctive and often marginalised cultural practices. It has been pointed out that while some languages have become widely used and are the languages of international communication, others have been neglected and some are on the verge of extinction.

Conclusion

Globalisation is the process of rapid integration of countries. It is a major change that occurred across the globe in the late 20th century. This has economic, political as well as cultural dimensions. Integration of markets and production through trade and investments controlled by the multinational corporations with huge wealth and power is one hallmark of the present phase of globalisation. Liberalisation by removing barriers to trade and investment has opened the economies to the forces of globalisation.

The benefits of globalisation have been unevenly distributed. It has benefited well-off consumers and also producers with skill, education and huge wealth. Certain services, enabled with technology, have expanded. On the other hand, thousands of small producers and workers have seen their employment and workers' rights erode. It is important to understand the two-sided nature of globalisation.

The other dimension of inequality, which we saw, is in the dominating influence of the rich countries on matters of policy. Be it policies on international economic exchange – trade, investment, migration - or domestic matters, rich western countries have an undue influence over the rest of the world. International organisations like WTO, WB and the IMF represent the interests of the developed countries far more than that of the developing world. Thus, while the supporters of globalisation speak of the advantages of global integration and see globalisation as an opportunity for growth and prosperity, its critics point out that it is another attempt by some countries - read the west - to dominate the world. They argue that it harms democracy, workers rights, and the environment in many of the poorer countries.

Key words

MNCs

Nation state

Technology

Foreign investment

Foreign trade

Liberalisation

Improve your learning

1. What were the reasons for putting barriers to foreign trade and foreign investment by the Indian government? Why did it wish to remove these barriers?
2. How would flexibility in labour laws help companies?

3. What are the various ways in which MNCs set up, or control, production in other countries?
4. Why do developed countries want developing countries to liberalise their trade and investment? What do you think should the developing countries demand in return?
5. "The impact of globalisation has not been uniform." Explain this statement.
6. How has liberalisation of trade and investment policies helped the globalisation process?
7. How does foreign trade lead to integration of markets across countries? Explain with an example other than those given here.
8. Globalisation will continue in the future. Can you imagine what the world would be like twenty years from now? Give reasons for your answer.
9. Supposing you find two people arguing: One is saying globalisation has hurt our country's development. The other is telling, globalisation is helping India develop. How would you respond to these arguments?

10. Fill in the blanks.

Indian buyers have a greater choice of goods than they did two decades back. This is closely associated with the process of _____. Markets in India are selling goods produced in many other countries. This means there is increasing _____ with other countries. Moreover, the rising number of brands that we see in the markets might be produced by MNCs in India. MNCs are investing in India because _____ . While consumers have more choices in the market, the effect of rising _____ and _____ has meant greater _____ among the producers.

11. Match the following.

- | | |
|--|-----------------------------------|
| (i) MNCs buy at cheap rates from small producers | (a) Automobiles |
| (ii) Quotas and taxes on imports are used to regulate trade items | (b) Garments, footwear, sports |
| (iii) Indian companies who have invested abroad | (c) Call centres |
| (iv) IT has helped in spreading of production of services | (d) Tata Motors, Infosys, Ranbaxy |
| (v) Several MNCs have invested in setting up factories in India for production | (e) Trade barriers |

Food Security

In the pre-independent India, famines - situations of extreme scarcity of food, were common cause of large scale starvation deaths. The Bengal famine in 1943-45, for instance, took away about 3 to 5 million people's lives in and around Bengal, Assam and Odisha. Read the following:

"I was the oldest among my siblings. I used to work to survive. I worked as a day labourer. At that time I left my father in the village and took my brothers and sisters to Kolkata. They only had some flour available as food. We went wherever food was distributed. I saw many people suffering in the streets of Kolkata. I saw mothers carrying their sons in their arms who were actually dead. But the mothers were still sprinkling them with water, trying to revive the children. I saw many things. People ate grass, snakes. I lost two sisters and a brother.

"These are the people who are farmers, agriculturists. They're not beggars so they did not even know how to beg. They have huge self respect. When they came, they just sat on the pavements and they died there. And when that picture hit the people of Kolkata, at that point suddenly everyone understood the scale of the disaster."

There have been instances in Indian history where famines happened because foodgrains supply was not organised by the rulers. This could have been arranged from stocks or bringing supplies from other regions. By the time of India's Independence, governments started evolving

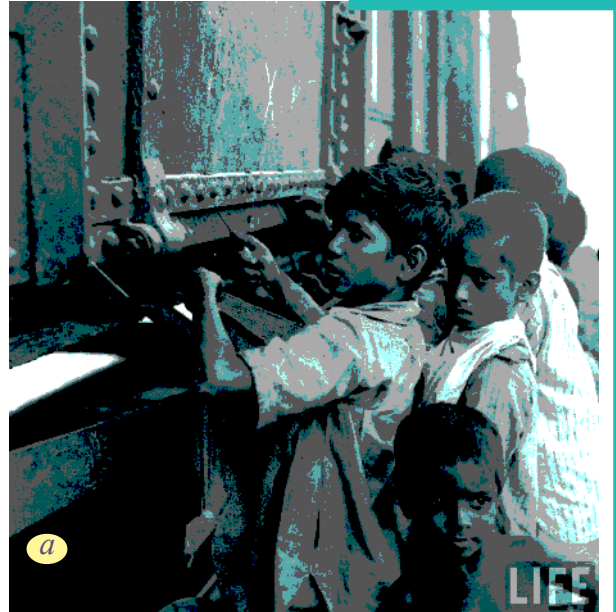


Fig 11.1 Photographs from LIFE Magazine: (a) children trying to collect grain from goods train (b) woman sweeping grain fallen on the ground.

various systems to ensure foodgrains for its people. Ration shops where people go and buy food grains at subsidised prices, mid-day meals that many of you have been eating, anganwadis where young children are taken care of, including meals during the day are some ways through which government today ensures food security. In this chapter we will look at some issues associated with food security.

The first section will focus on the issues of overall food security: the issue of production and availability of food for the country as a whole. The second section would discuss the access people have – how does one ensure that the available food reaches people. Finally, we need to look at the nutrition levels among families to know whether these schemes and methods are effective.

Food Security for the Country

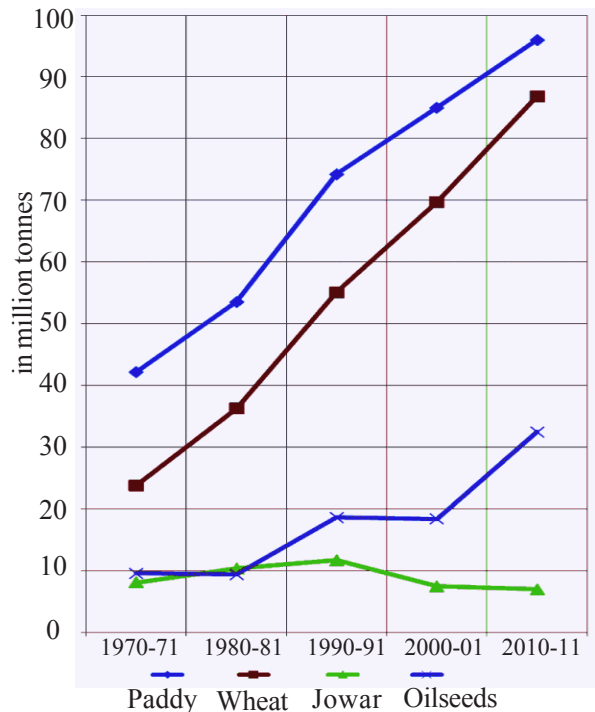
Increasing foodgrain production

Producing sufficient amount of foodgrains is an important requirement of food security. In India, for example, it means, the government creates conditions so that farmers are able to produce increasing amount of foodgrains.

Examine Graph 1 and fill in the blanks (for knowing the value at each point, you can use a scale to know the exact amount on the y-axis).

- The foodgrains production has grown over the period 1970-71 to _____. Paddy production increased from about 40 million tonnes in 1970-71 to about _____ tonnes in 2010-11. Another important food crop that witnessed rapid increase in production during this 40 year period was _____. Compared to paddy and wheat the production of _____ did not increase during 1970-2011. This could be due to _____.
- Read again the section on “Land and other natural resources” in chapter 9. What are the possible ways of increasing production of crops from land?

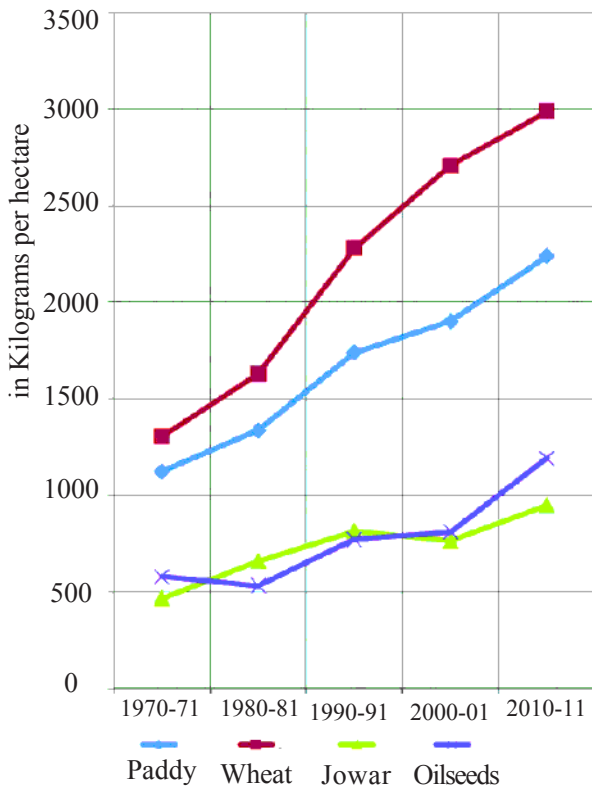
Graph 1 : Production of select Foodgrains (in million tonnes)



We know that the area under cultivation has been roughly unchanging since the last few decades. Yield then becomes a crucial variable. Look at Graph 2.

In order to increase the per hectare yield of a crop, necessary inputs have to be

Graph 2 : Yield of select Foodgrains
(in kilograms per hectare)



provided in a judicious manner. One way is to expand irrigation but use water in a manner so that this vital resource is shared and made available to all.

The crops with low yields indicated in Graph 2 mostly grow in dry lands, where the present and even future possibility of irrigation is minimal. Planting drought-resistant crops as per the local conditions, water-harvesting and crop rotation are therefore used to raise production on a given piece of land.

It is also important to ensure that soil and other natural resources are not damaged or depleted in the process. Some scientists and people, working in the field of agriculture, report that the way rice and wheat are cultivated in India – by intensive and unscientific application of chemical fertilisers and insecticides – have led to continuous but unsustainable increase in the yield levels. In fact, these methods have led to soil degradation,

and depletion of ground water resources. If this continues, we may soon come to a situation that yields start falling rather than going up.

Describe the per hectare yield of paddy and wheat by filling the following passage.

Two crops _____ and _____ always had low yield when compared with paddy and wheat. Yet both these crops have shown slow increase in yield in recent years.

- Why should attention be given to increase the yield of jowar? Discuss.
- What factors have contributed to the high growth of paddy and wheat yields over the long period?

Availability of Foodgrains

If a country is able to produce foodgrains, for the whole of its population, this would be considered as the first requirement. How do we measure if there is food for all? Whether this food reaches families would be examined later. We are at first estimating what is available. This means that per person (or per capita) availability of foodgrains in the country should be sufficient and also increasing over the years. Is the increase in foodgrain availability really happening?

There is a difference between production and availability of foodgrains. This is estimated as:

Availability of foodgrains for the year = Production of foodgrains during the year (production – seed, feed and wastage) + net imports (imports – exports) - change in stocks with the government (closing stock at the year end- opening stock at the beginning)

Availability of foodgrains per person per day = (Availability of foodgrains for the year ÷ population)/ 365

Information relating to production, imports and change in government stocks are given in the following table for three years – 1971, 1991 and 2011. Besides production, imports are a way of increasing availability of foodgrains in any particular year. Another important source of foodgrain availability is the change in government stocks. The government can, for instance, increase the availability of rice for the people by selling from its existing stocks. While the stocks of rice with the government falls, the amount of rice available for consumption in that year increases.

(You will read more about government stocks in the next section.)

As shown for 1971, calculate per person availability of foodgrains for 1991 and 2011.

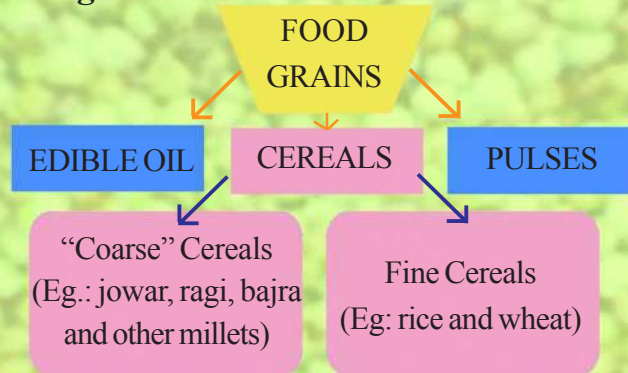
Table 1: Per Person availability of foodgrains

Year	Population (millions)	Net Production of foodgrains #	Net imports #	Change in government stocks #	Net availability of foodgrains #	Per person availability per day (grams)
col (1)	col (2)	col (3)	col (4)	col (5)	col (6)	col (7)
1971	551	94.9	2	2.6	col (3) + col (4) – col (5) = 94.3	$= \{ \text{col (6)} / \text{col (2)} \} / 365$ $= (94.3 / 551) / 365$ $= 0.000469 \text{ tonnes} *$ $= 0.000469 \times 1000$ $= 0.469 \text{ Kilograms} *$ $= 0.469 \times 1000$ $= 469 \text{ Grams}$
1991	852	154.3	-0.1	-4.4		
2011	1202	214.2	-2.9	8.2		

* Note: 1 tonne = 1000 kilograms; 1 kilogram = 1000 grams
Million tonnes

- Based on your calculations, fill in the blanks: The per person availability of foodgrains _____ (increased/decreased) between 1971 and 1991 but was _____ (lower/higher) in 2011. This happened despite slowdown in population growth in the recent decades. In future, the government must ensure higher availability through _____

What falls under food grains



Many believe `coarse' cereals to be inferior grains. Because these are called coarse grains, we think these are rough and unhealthy. On the contrary, these are highly nutritious and wholesome grains. They are a staple diet of millions of people living in the dry land regions of the country. Once very familiar in Indian households, the label `coarse' cereals came with colonial rulers who preferred the white colour of rice and wheat and looked down upon local food and cultural practices. Today, many prefer to call these cereals “nutri-cereals”.

Availability of Other Food Items

It is said that there is a change in consumption pattern with people demanding more fruits, vegetables, milk, meat, poultry and fisheries. This is a good sign for the consumers as well as producers. Consumers need a diverse food basket and a balanced diet. Farmers producing foodgrains can go in for crop diversification in order to increase their incomes. You may recall in the earlier classes we read about the conversion of foodgrain fields into cash crops such as cotton in AP during the last two decades. This was one of the reasons for farmer's distress and even suicides. Farmers can instead pay attention on allied activities such as poultry, fishing and dairying since it provides new opportunities for farmers.

Over the years, although there has been increase in production of other food items, it is not sufficient to meet the minimum dietary requirements. Nutritionists suggest that every person in India should eat 300 grams of vegetables and 100 grams of fruits in a day whereas per person availability of these food materials is 180 and 58 grams respectively. Similarly per person requirement of eggs is 180 whereas the availability of eggs is 30. The meat dietary requirements are 11 kilograms per year whereas the per person availability is only 3.2 kilograms. We require 300 millilitres of milk whereas the per person availability is 210 millilitres a day.

Farmers thus require support in terms of inputs and market opportunities for diversification to other food items. Farmers may have to be supported and guarded against market risks that they face in the new situation.

Agricultural Diversification

Midnapore has red laterite soil. The village was Kaspal in the Borkollah gram panchayat area. Almost all have tube wells. The bank gave credit to them for water development... I talked to Hari Prasad Samantha, Chitto Maiti and Jhath Lenka - nobody farms more than two acres. The technology is fairly good. The original seeds came from the university although there is little replacement in paddy. But they make more money from cash crops and it is vegetables all the way. Potatoes are a craze. The seeds come from commercial companies and are expensive.... A great thing that happened on the way was dairying. Almost all of them have between three to five cows. The women folk look after them. This is now spreading. Farmers know the best pulse seeds come from Maharashtra and Madhya Pradesh. Their own mustard is good.

The land slopes up from the river. About two or three hundred meters up and a distance away I check out another village. Around half of the population is poor. It is a mono crop region with the second crop, if any, depending on the rains. Yields are low. Many answers are possible, but without a plan and government effort it would be cruel joke to talk about diversification to them.

Note that agricultural diversification may impact foodgrain production. This might give rise to a policy dilemma that has to be handled through careful planning. Since resources are diverted to non-foodgrain uses, foodgrain production may come down. India's per capita availability is very low when we compare the same for countries in Europe (700 grams) and USA (850 grams). The decline in the level of per capita availability of foodgrains is something to be worried about for India's food security. The poorer households exert more energy and depend much more on foodgrains as their source of energy intake. The policy should aim to increase production of food grains and other types of food simultaneously.

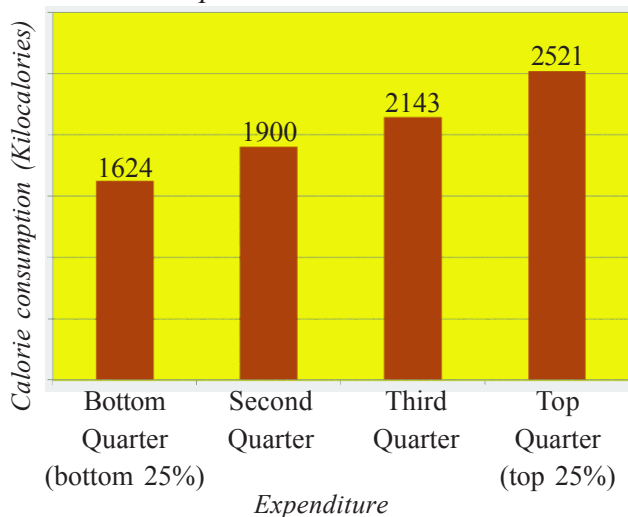
- Underline words and sentences that deal with agricultural diversification and explain why are these essential for Indian farmers.
- Write a description about agricultural diversification for your own village or any village that you know about.

Access to Food

The next important aspect of food security is the access to food. It is not sufficient to produce foodgrains and other items. Everyone should be able to buy them for consumption. Is everyone able to access the minimum food requirement?

You may recall what you studied in Class VIII on poverty. Food we eat gets burnt in our body and produces heat and this is measured in terms of calories. This helps to do our work. If we eat less or less nutritious food, the calorie intake of our body becomes less and hence we may find it difficult to work or our health may get

Graph 3 : Calorie intake per person in rural India



deteriorated. A standard of 2100 Kilocalories per day in urban areas and 2400 Kilocalories in rural areas is the recommended food intake per day.

The national average calorie levels in both rural and urban areas are below the needed calorie requirements. Also, the consumption of calories has gone down between 1983 and 2004. This is shocking since as we have seen our economy is growing at a rapid rate. Production of goods and services has increased many times.

This is not all. Averages hide disparities in distribution. Whereas the very well-off

consume food that goes beyond the recommended calorie requirements, for a large proportion of the population the food intake is inadequate to provide the calories required. 80 percent of people in rural areas in India consume food that is below the calorie standard. In the Graph 3 you can see the lowest calorie intake is for the people who are the poorest in the rural areas. And it is way below the recommended standard of 2400! Whereas these are the people involved in the most difficult and heavy manual labour.

The major reason for low calorie intake is the lack of purchasing power of the people. People don't have adequate incomes to buy food. There are various reasons for this as you have read in the discussion on poverty, unemployment, public facilities, etc. Can you recall some of these, before you proceed?

Public Distribution System (PDS)

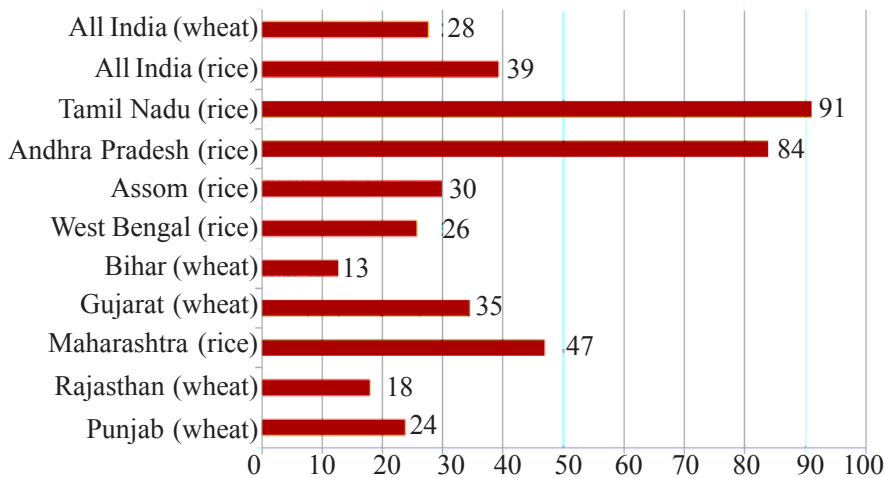
Ration shops are important means for people to access foodgrains in India. One survey was conducted in 2004-05 to know whether families in different states procure foodgrains from public distribution system fair price shops and how much they are part of the total foodgrain consumption. Look at the Graph 4. This shows people's dependency on PDS for purchase of their staple foodgrains in different states of India.

- Recall the discussion on Public Distribution System in Class VIII. How is PDS related to food security of the people in the country?

Studies indicate that Southern states of India have a good record in public distribution system. Notably, these are the states that have followed a universal PDS system which means that low cost foodgrains would be available to all. This is in contrast to other states where poor families have been identified and foodgrains are sold to at different prices to poor and non-poor. Even among the poor, the very poor have different entitlements, or

guarantees for access. For example, the Antyodaya cardholders are entitled to get 35 kgs of foodgrains (rice and wheat) per month per family.

Graph 4 : Percentage Share of Purchases from PDS, rice and wheat, 2009-10



● Fill in the blanks

For all India, ____ percent of peoples' total consumption of rice and ____ percent of peoples' total consumption of wheat are purchased from the ration shops. This shows that people have to buy most of their

foodgrain requirements from _____. However, there are several well-performing states like _____ and _____. And some states like _____, _____, _____ where PDS hardly seems to be fulfilling peoples' needs for foodgrains.

PDS and Buffer Stock

The stock of foodgrains mainly wheat and rice procured and maintained by the government through Food Corporation of India (FCI) is called buffer stock. The FCI purchases wheat and rice from the farmers in states where there is surplus production. The farmers are paid a pre-announced price for their crops. This price is called Minimum Support Price (MSP). The MSP is declared by a government agency every year.

The state and Central Governments procure nearly one-third of foodgrains from farmers. These foodgrains are distributed to people through various mechanisms. In recent times, the government agencies are procuring more foodgrains than what is required to meet the public distribution system. If government stocks keep increasing year after year, less is available (see year 2011 in Table on foodgrain availability). The government has been criticised that it is not distributing these foodgrains to the needy people. Sometimes, governments also exported these foodgrains to other countries. Do you think it is good idea to export foodgrains and earn a small income whereas a large section of people within the country are not able to access foodgrains?

The Indian government came out with a new law in 2013 called the National Food Security Act to legalise peoples' Right to Food. It applies to approximately 2/3rd of the population of India. As per this law, every person of low income families is entitled to 5 kilograms of foodgrains per month at subsidised rates. Among poor

families, the poorest ones are entitled to 35 kilograms of foodgrains. For a few years, the central government will supply rice, wheat and millets for Rs.3, Rs.2 and Rs.1 respectively. Under this law, if required, a maximum of 75 per cent of people living in rural areas and 50 per cent of urban population have the right to buy foodgrains from public distribution system. If the government is not able to arrange foodgrains, it will give cash for the people to buy foodgrains. This law also envisages providing free cooked meals for pregnant women, lactating mothers, children aged 1-6 coming to anganwadis and mid-day meals for children aged 6-14 in schools.

While Indian Parliament enacts various laws such as National Food Security Act and implements schemes such as Integrated Child Development Scheme (ICDS), in recent times, the Indian judiciary also has become pro-active in ensuring food security. Through judicial verdict on court cases filed by non-governmental organisations, the Supreme Court directed all the state governments and central government to provide mid-day meals to all the young children studying in schools. Though such schemes existed in a small scale in a few states like Tamil Nadu, this scheme is now being implemented in all the states. About 14 crore children studying in schools eat mid-day meal today. When state governments refuse to implement this scheme, the court also set up monitoring mechanisms and provided suggestions for better implementation such as school mid-day meals should be locally produced, hot and cooked (and not dry snacks or grain which many governments distributed until then), hygienic, nutritious (of a prescribed minimum caloric level) and with varied menus for every day of the week. The court also ruled that preference be given to dalit cooks, widows and destitute women. This is the largest school feeding programme in the world. In order to generate revenue for this scheme, the court directed the Indian government to impose taxes. The hot cooked meal is also now provided in *anganwadis* for children.

Nutrition status

Lastly, we look at the nutrition status of children and adults to judge whether the food actually consumed is adequate. This also informs us if the above discussed systems are working effectively and also about the problem areas.

Food is required by the body for all its functions- for energy, growth and the capacity to remain healthy and fight illness. The food that we consume is normally classified as:

Carbohydrates: that provide energy, through wheat, rice, ragi, jowar, oils, sugar, fats etc.

Proteins: that help growth and regeneration of body tissues, through beans, dals, meat, eggs, rice, wheat etc.

Vitamins: that provide protection and ensure the working of many vital systems of the body, through foods such as fruits, leafy vegetables, sprouts, unpolished rice etc.

Minerals : That are required in small quantities for many important functions such as iron for blood formation. This is provided through green leafy vegetables, ragi etc.

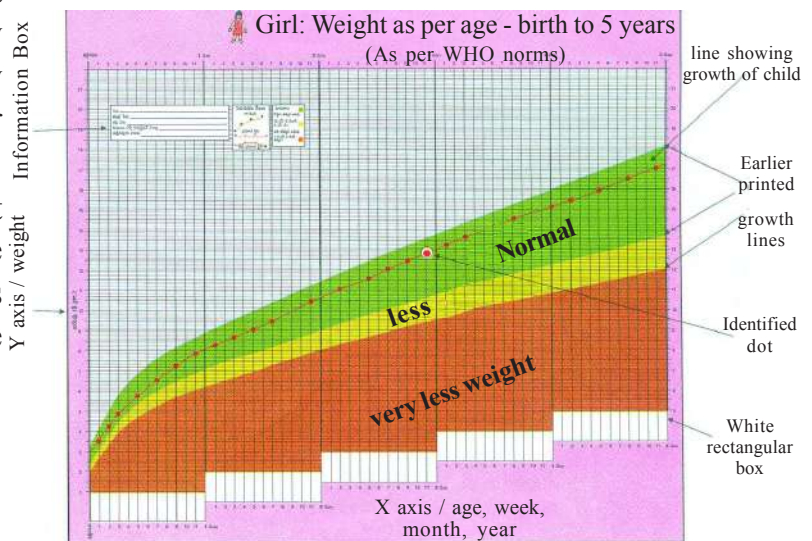
If we conduct a survey, as you have done in some previous chapters, we can find out about the food people eat by asking them to describe their meals for the day. Through this we can get a rough idea of whether all the food groups above are being covered. However it is difficult to measure precise amounts of carbohydrates, vitamins, proteins, minerals being consumed by each individual in the family. Nutritionists have devised indicators using height and weight that can inform us whether individuals are well nourished. Through various measurements of large population and using statistical knowledge nutritionists have been able to arrive at reliable standard ranges. A comparison for individual persons is therefore possible. This gives us the most reliable source of information about nutritional status of people.

A survey conducted by the National Institute of Nutrition, Hyderabad (NIN) across many states in the country confirms the overall alarming status of nutrition in the country. While we have looked at case studies that depict real family situations of under nutrition and poverty in previous classes it is also important to examine some of these faceless statistics. They help us examine whether these situations are exceptions or an indication of a general trend. They also help us to look at issues that may be hidden and not so obvious to commonsense.

As discussed above, to examine the nutritional status of children, simple but accurate measurements of height and weight are used. You could visit an anganwadi center and observe how this is carried out. Since children grow fast, their weight changes significantly with age, unlike in adults. For this indicator to be reliable, weight is to be accurately measured and have the correct age. These readings are then plotted against charts that have been developed by nutritionists to examine if they fall within a normal range or below.

For example when we plot weights of a child against age it tells us whether the child is underweight. This is for one child.

Fig 11.2 : Weight chart used in Anganwadi to measure the weight of children in A.P.



What does the NIN survey indicate? Out of the seven thousand children, in the age group 1-5 years, examined in the survey from many states in the country, 45% of children are underweight. Their weight was less than what is expected by normal standards. These children are in fact hungry and not getting adequate food. Unless they are severely underweight it may not be easily visible or identifiable. Going just by common sense we fail to realise that enormous number of children in the country are underweight. We are so used to seeing such children that we take this as “normal”. The survey jolts our common sense and makes us realise that this situation would seriously affect their growth and capacities of nearly half the children of the country.

The report says:

“The overall prevalence of underweight was about 45% and it was significantly higher among 3-5 year, compared to 1-3 year children. The prevalence was more than 50% in the States of Gujarat (58%), Madhya Pradesh (56.9%) and Uttar Pradesh (53.2%) and observed lowest in Kerala (24%). ...

“The overall prevalence of severe underweight was about 16%. ...”

- How can an effective anganwadi center deal with such a situation for a locality? Discuss.

Nutritionists compare three different charts for pre-school children. This is given below. These three different indicators give us an overall picture of the nutritional status of these children.

Indicator	What does this show for those children below the normal range	Explain in your own words	% of children in the country
Weight is plotted against age	Underweight		45%
Height is plotted against age	Stunting	When children are undernourished for a long time, their bone growth is affected. Such children would remain short for their age. It is difficult to cover this.	41%
Weight is plotted against height	Wasting	This indicates a child who has lost weight recently. If given sufficient food she can cover this up, quickly.	21%

- What overall conclusions can you draw from these statistics? Write a paragraph .

The nutrition status among adult men and women is measured using Body Mass Index(BMI). You have read about this in earlier classes.[BMI=(weight in kgs/ height in metres squared).]

This index is compared with a range to show if the individual is underweight, within normal range or overweight. A high value shows excess fat and a low value a fat level that is less than what is required. According to NIN report the situation for adult men and women are as follows:

“The prevalence of chronic energy deficiency (BMI<18.5) among men was about 35% , while overweight/obesity (BMI >25) was 10%.

“About 35% of adult women had chronic energy deficiency and 14% were overweight/ obese. The prevalence of chronic energy deficiency was highest in the States of Odisha, Gujarat and Uttar Pradesh, followed by 33-38% in Karnataka, Andhra Pradesh, Maharashtra, Madhya Pradesh and West Bengal”

How is this related to food security? A doctor who is working in a rural area of Chhattisgarh running a community health programme where streams of underweight patients come every day explains this link. From a study of the patients he found that the PDS grain of 35kg/ per month for a family of five lasted only 11 days. For the rest of the month they have to depend on the market or their own produce.

For example a rickshaw puller in Bilaspur who earns 70-80 rupees a day would try to survive on the PDS grain, spending Rs 400 on rent and Rs 100 on electricity. It was not surprising that he lost weight and caught tuberculosis.

These measures are thus indicators of food security. The doctor from Chattisgarh says :

No one would have a lower weight or height if he/ she had access to adequate food. The proof of the pudding is in the eating. We can judge all processes like efficacy of the PDS, the importance given to growing food crops, and the purchasing power of people by looking at body parameters like weight and height. Besides, a person’s height can also tell us whether food was available during his/ her childhood. We can still choose to describe underweight and stunted people as malnourished if we like. But I suggest the correct term would be ‘hunger’ “.

Summing up

The first section examined the issue of food security from the point of view of overall production of food in the country. What can be done to increase the food production remains an important question. Next we discussed how availability is measured. A worrying fact is that per person availability of foodgrains has actually not risen but declined in the recent years.



Fig 11.3 : PDS Shop

Whatever is produced and is available has to reach the people. This could be through what they purchase in the market or in the ration shop or through schemes such as school meals etc. Here we find that most people are in fact consuming fewer calories than required. This gap is severe for the poorest. Though there's a shift towards other foods such as fruits, vegetables, meat, eggs and this is welcome, deficiency in calorie intake is alarming. PDS is not effective in places where they are most needed. This serious situation is revealed through nutrition surveys that show children and adults as being underweight in a chronic way. Over a long period of time, 35% to 45% of people are consuming less food than they should. A large section of people are malnourished (or hungry), even when we have adequate food in the country. This is not acceptable. The issue of food security needs careful thinking and effort in all of the above directions.

Key words

Production

Availability

Access

Nutrition

Buffer stock

Hunger

PDS

Improve your learning

1. Correct the false statements

- Increase in food production alone ensure food security
- It is important to encourage mono-crop cultivation to ensure food security
- Low calorie intake is higher among people with low income
- Legislations have an important role to play in ensuring food security
- PDS system could be used to address the issue of child nutrition

2. The consumption of calories has consistently _____ in rural areas. The average per capita calorie consumption in 2004-05 is _____ than the required calories. The minimum calorie consumption for persons living in urban areas is 2100 calories. The difference between actual calorie consumption in 2004-05 and the required calorie consumption in urban areas is _____.

3. Supposing the foodgrain production has been affected in a particular year, because of a natural calamity. In what ways can the government ensure higher availability of foodgrains for the year?

4. Use an imaginary example from your context to describe the relationship between underweight and access to food.

5. Analyse a week's food habit of your family. Create a table to explain nutrition elements included in it.

6. Describe the relationship between increase in food production and food security.

7. Give reasons to argue for the following statements "Public Distribution System can ensure better food security for people".

Wake up.

Every night, one in seven
of us goes to bed hungry.
It doesn't have to be this way.

 Oxfam

Be Humankind

www.oxfam.org.uk



8. Make similar posters about food security.

Project

Read the following poem, *Aai*. Can you write a poem relating to any aspect of food security?

Aai (Mother)

I have seen you
turning back the tide of tears
trying to ignore your stomach's growl
Suffering parched throat and lips
Building a dam on a lake...

I have seen you
sitting in front of the stove
burning your very bones

to make coarse bread and a little
something
to feed everybody, but half-feed yourself
so there'd be a bit in the morning...

I have seen you
washing clothes and cleaning pots
in different households
rejecting the scraps of food offered
with pride...

Sustainable Development with Equity

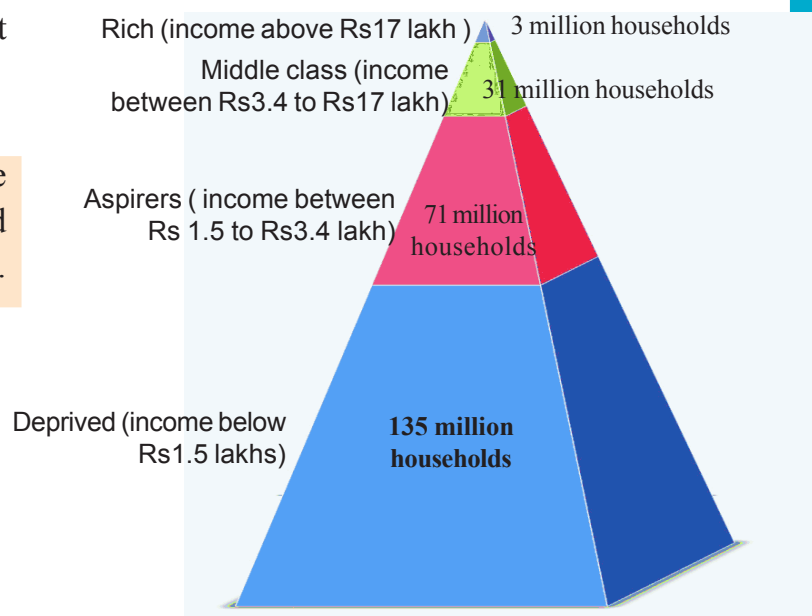
Looking at development again...

As a measure of development, Human Development Index (HDI) is an improvement over GDP and per capita income (refer to Chapter 2). Whereas GDP is an indicator of the value of goods and services produced in the country, the idea of progress can hardly be limited to production of goods and services. This is more so when rapid expansion of production and incomes, can coexist with malnutrition and lack of education and health for a large proportion of the people, as is the case in India. HDI expands the meaning of development to include social indicators of education and health.

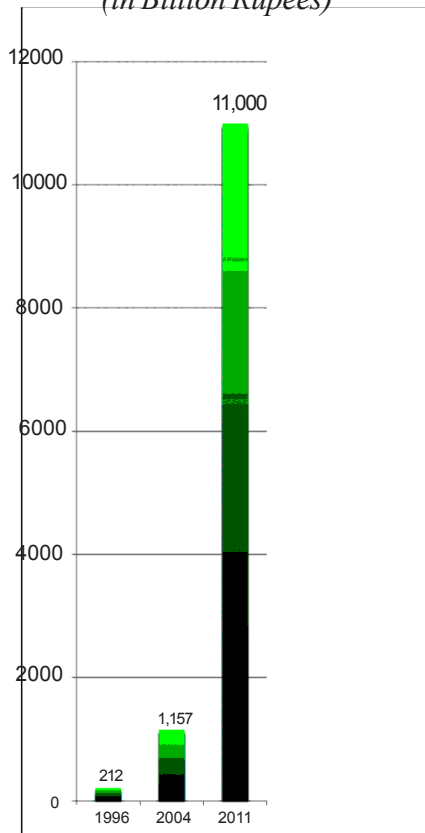
There are, however, many other considerations that even this expanded measure of development does not capture. In India, more than 90% of the workforce is in the unorganised sector, where the conditions of work are not encouraging at all. Incomes of both self-employed and wage workers in the unorganised sector are generally low, at times pitifully so (refer to Chapter 3). With such a high percentage of workforce in low-paid employment, increase in GDP and the enormous variety of goods and services being produced can benefit only select groups. People with high income and wealth are the ones who have all the choices in the world to buy and consume (refer to Chapter 10). While some enjoy world-class living comforts, the vast majority, without proper employment and adequate incomes, are still deprived of minimum necessities for decent living. Such wide inequalities in incomes and opportunities across people cannot be the basis for a just society.

- Write a brief note on the inequality in India based on the graphs and figures.

Graph 1 : Distribution of households in India based on annual income (2010 survey)



Graph 2 : Total Wealth held by Billionaires (in Billion Rupees)



Graph 3 : Increase in the Number of Billionaires

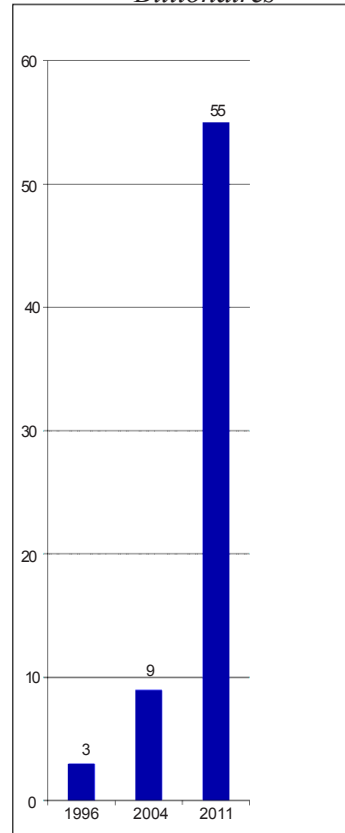


Fig 12.1: Dharavi slum in Mumbai. One of the largest colonies in which the urban poor of India lives



Fig 12.2 : A View of Banjara hills from a hotel room in Hyderabad, an area where the rich in Hyderabad lives



Another major criticism of economic development focused narrowly on GDP springs from its neglect of environment. In various contexts, we have seen how the environmental resources have been used up and damaged to an unprecedented extent in the course of economic growth. Deforestation, soil erosion, lowering groundwater tables, increasing pollution, pressure on grazing land, rising dependence on fossil fuels, industrial emissions, use of chemical fertilisers and pesticides in agriculture, climate change are some of the important and urgent environmental issues before us. While industrialisation has brought a lot of material comforts at least to some, it has resulted in a world where natural resources are threatened and now even the climate is being disrupted. This pattern of growth clearly cannot continue.

In this chapter, we will explore the relationship between development, environment and people. How has expansion of economic activities affected different aspects of environment? What has development meant for peoples' access and rights to natural resources and their lives? Can there be different models of development? We will seek answers to these questions through live issues and peoples' lived experiences. We find that there is need to broaden the focus of development from material goods and services to all people (present & future generations) and the environment with all its living and non-living resources.

Environment and Development

Let us start by recalling the role of environment in development. Many naturally existing substances like land, water, minerals and ores, products from trees and animals are central to the production process. In primary sector activities - agriculture,

mining, quarrying - and in the manufacturing and energy sector, production is hugely dependent on natural resources. The other sectors of the economy too are dependent on natural resources in various degrees. The potential of an environment to provide these resources is referred to as an "environment's source function". This function is depleted as resources are consumed or pollution contaminates the resources.

There is another function that the environment provides. It is to absorb and render harmless the waste and pollution from various activities. Unwanted by-products of production and consumption say exhaust gases from combustion, water

Revisit the class IX chapters on Indian Agriculture & Industry.

- How have they discussed issues of disparity and distribution and access to resources in these two contexts?
- Identify how the idea of development has been contested through problems of Environment.
- What kind of environmental problems did the spread of "green revolution" create? What lessons does this have for the future?

used to clean products, discarded packaging and goods no longer wanted are absorbed by the environment. This is as important as the source function. The "sink function" describes an environment's ability to absorb and render harmless waste and pollution. When waste output exceeds the limit of the sink function, long-term damage to environment occurs.

In the past fifty years of economic development, both these functions of the environment have been overused. This has been said to affect the carrying capacity of the environment, i.e., the capacity of the environment to support economic production and consumption in the future. Let's look at few examples.

Example 1: As per the traditional practices, the lifting of water was limited to supplemental irrigation or for a small area. For example, with 'mota baavi' only 2 to 3 acres can be irrigated. Agriculture was limited to rainy season and large areas were rainfed drylands. Over time, with new energy resources pumpsets that work with petrol/ diesel and electricity came into picture. The impact has to be seen in two phases: initially there was relief from drudgery; lifting of water became very easy with pumps. Also water was plenty. Open wells had water at 10 to 15 feet deep; utmost 100 feet deep. However, with lifting of groundwater by electric and motor pumps, water table started going down. So much so that in some areas groundwater is being drawn from few hundred feet deep. After all, the water has to go down to the ground for it to be lifted up. This is called 'recharge'. The path of water below ground is through the medium of soil and rocks. If the water drawn up is more than that is being recharged, then it is obvious that after sometime you have no more groundwater left.



Fig 12.3 : A UN photo from 1957 Farming and irrigation in Rajasthan

Recent data on the status of groundwater resources in India suggest that the groundwater is under serious threat of overuse in many parts of the country. Nearly one-third of the country is pumping out more groundwater than what goes in as recharge. About 300 districts have reported a water level decline of over 4 metres during the past 20 years, which points to an alarming rate of extraction. Groundwater overuse is particularly found in the agriculturally prosperous regions of Punjab and Western U.P., hard rock plateau areas of central and south India, some coastal areas and the rapidly growing urban settlements.

- Why do you think modern method of lifting water has proved to be unsustainable?

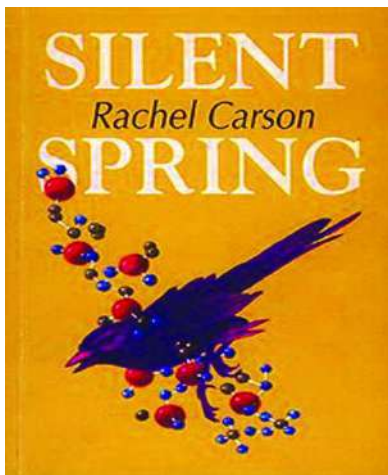
Overuse of groundwater implies that the stock of groundwater is being depleted. Very rapidly the groundwater has been falling to lower and lower levels.

The quality of groundwater is deteriorating, along with the quantity. In 59% of districts of India, water from hand pumps and wells are unsafe for drinking. This is because of contamination of groundwater from chemical industrial waste from agriculture and industry. Water has been used as a sink to dump all kinds of waste and toxic substances. This is not easily reversible. We will see the consequences of this in next example.

This pattern of development is in direct contrast to what sustainable development stands for. Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. In other words, a better quality of life for everyone - now and for generations to come.

However, the extent of our current resource use is such that the chances of future generations to have access to their fair share of scarce resources are endangered. Moreover, the consequences of our resource use in terms of impacts on the environment may induce serious damages that go beyond the carrying capacity of the environment.

Example 2: Pesticides are an important component of the modern agricultural practice and are used to protect the crops from pests so that the yield is high. Environmentalists, however, realized long time ago that the use of pesticides has adverse impact on the environment. The environment is simply unable to absorb the toxic substances beyond a point.



In the year 1962, Rachel Carson wrote in the book 'Silent Spring' about the impact on birds and human beings of spraying DDT for mosquito control. Substances like heavy metals contained in pesticides do not disappear from the environment but instead accumulate inside living organisms. Thus, the poison in DDT gets deposited in the body of the fishes living in lakes into which the water containing DDT flows. The poison is in too small quantity to kill the fishes. But if one bird eats several fishes, the combined dose of the chemical inside the fishes is lethal enough for the bird. Rachel Carson also showed that insects like mosquitoes quickly develop resistance to DDT sprays. Her findings are a clear example of how human action irreversibly destroys nature and human beings themselves.

In India, the lethal impact of pesticides was seen for pesticide Endosulfan. In 1976, to protect the cashew crop from pests, the government carried out treat-

ment of 15,000 acres of land with Endosulfan, sprayed by helicopter. This happened in Kasargod in the Northern part of Kerala. The air, water and entire environment was suffused with the pesticide, as treatment continued for some 25 years. As a result of the spraying, very serious health problems were seen in the local people, particularly agricultural workers. As at least 5,000 people have died and for countless others, life has become worse than death as cancer and deformities became prevalent.

In the recent years, spraying of endosulfan was banned by a court order. Gradually, there has been a fall in disease and a general increase in well-being.

This is not an isolated incident particular to that area. Numerous studies point to the overuse of pesticides in modern agriculture and its impact on environment and people. Ironically, only one percent of the pesticide actually acts on the pest – the rest goes into our system through food, water and the environment.

- Environment is also called 'natural capital'. Recall the definition of capital from Chapter 9. Why do you think environment is called natural capital?
- Why should water be considered as common property?
- Why was it considered necessary to go to court to stop the use of endosulfan?
- The court order banning the use of endosulfan argued that the pesticide violated the Right to Life (Article 21 of the Constitution). Can you describe how use of endosulfan had violated people's Right to Life?

People's Rights over the Environment

Today, there are countless cases where attempts at modern development have caused large scale environmental problems. The case of big dams is a classic case and one that has had very painful consequences.

The Narmada Valley Development Project is the single largest river development scheme in India. It is one of the largest hydroelectric projects in the world and is supposed to generate power, provide irrigation and help with flood control. The environmental costs of such a project, which involves the construction of more than 3,000 large and small dams, are immense. The largest of the dams constructed is the Sardar Sarovar, which floods more than 37,000 hectares of forest and agricultural land, displacing more than half a million people and destroying some of India's most fertile land. The project has devastated human lives and biodiversity by inundating thousands of acres of forests and agricultural land. A disproportionate number of those being displaced are Adivasis and Dalits.

The following letter was written by Bava Mahaliya of Jalsindhi village in Jhabua district to the Chief Minister of Madhya Pradesh in 1994. It was recorded in bhilala and translated into Hindi and a part of it is reproduced below. It questions the very idea of development.

Dear Digvijay Singhji,

We, the people of Jalsindhi village... district Jhabua, are writing this letter to you, the Chief Minister of Madhya Pradesh.

We are people of the river bank; we live on the banks of the great Narmada. This year (1994), our village Jalsindhi will be the first village in Madhya Pradesh to be submerged by the Sardar Sarovar dam. Along with us, four or five other villages - Sakarja, Kakarsila, Akadia and others - will also be drowned.... When the water comes into our village, when our homes and fields are flooded, we will also drown - this is our firm resolve.

We are writing this letter to let you know why the adivasi (tribal) peasants of Jalsindhi who are coming under submergence, are preparing to drown themselves.

You, and all those who live in cities, think that we who live in the hills are poor and backward, like apes. "Go to the plains of Gujarat. Your condition will improve. You will develop" - this is what you advise us. But we have been fighting for eight years - we have borne lathi blows, been to jail several times, in Anjanvara village the police even came and fired on us and destroyed our homes.... If it is true that our situation will improve in Gujarat, then why aren't all of us even now ready to go there?

To you officials and people of the town, our land looks hilly and inhospitable, but we are very satisfied with living in this area on the bank of the Narmada with our lands and forests. We have lived here for generations. On this land our ancestors cleared the forest, worshipped gods, improved the soil, domesticated animals and settled villages. It is that very land that we till. You think we are poor. We are not poor. We have constructed our own houses where we live. We are farmers. Our agriculture prospers here. We earn by tilling the earth. Even with only the rains, we live by what we grow. Mother corn feeds us. We have some tilled land in the village and some in the forest area. On that we grow bajra, jowar, maize, *boadi*, *bate*, *saunvi*, *kadri*, *chana*, *moth*, *urdi*, sesame and groundnut. We have many different kinds of crops. We keep varying them and eating.



What grows in Gujarat? Wheat, jowar, tuvar, red gram and some cotton. Less to eat, more to sell. We cultivate in order to eat; we sell only the excess for buying clothes etc. Whether the price in the market be high or low, we get food to eat.

We grow so many different kinds of food, but all from our own effort. We have no use for money. We use our own seeds,

manure from our own livestock - from that we get good crops. Where will we get so much money? Who will know us there? Which moneylender will give us money? If we don't get a good crop and don't have any money, then we will have to mortgage our land.

Here we bring water to our fields by making channels from streams If we had electricity, then we could also pump up water from the Narmada and get a winter crop. But even though forty-fifty years have passed since independence, there is no electricity in the villages along the river, nor is there river irrigation.

.... We have flowing water and good fodder in the forest. We don't live as much by farming as we do by our livestock. We keep hens, goats, cows and buffaloes. Some have 2-4 buffaloes, some have 8-10. Almost everyone has ten -twenty-forty goats.... From Gujarat people come to our hills to graze their cattle. Our fodder and water is so plentiful.

.... The forest is our moneylender and banker. In hard times we go to the forest. We build our houses from its wood - from teak and bamboo. From *ningodi* and *hiyali* (types of bamboo) splints we weave screens. From the forests we make baskets and cots, ploughs and hoes.... We also eat leaves from the forest, *hegva*, *mahia*, *amli*, *goindi*, *bhanjan* - all these leaves we eat. If there is a famine we survive by eating roots and tubers. When we fall sick, our medicinemen bring us back to health by giving us leaves, roots, bark from the forest.... We know the name of each and every tree, shrub and herb; we know its uses. If we were made to live in a land without forests, then all this learning that we have cherished over the generations will be useless and slowly we will forget it all.

.... We worship our gods by singing the *gayana* - the song of the river. We sing the *gayana* during the *naval* and *divasa* festivals, describing how the world was made, how humans were born, from where the great river came.... We eat fish often. Fish is our stand by when we have unexpected guests. The river brings us silt from upstream which is deposited on the banks... Our children play on the river's banks, swim and bathe there. Our cattle drink there all through the year for the big river never dries up. In the belly of the river, we live contented lives. We have lived here for generation after generation; do we have a right to the mighty river Narmada and to our forests or don't we? Do you government people recognise that right or not?

You city people live in separate houses. You ignore each others' joys and sadness. We live with our clan, our relatives, our kin. All of us pool together our labour and construct a house in a single day, weed our fields, and perform any small or big task as it comes along. In Gujarat who will come to lend us a hand and make our work lighter? Will the big farmers come to weed our fields or to construct our houses?

Here in our villages, from our villagers, why do we get so much support? It is because we are all alike here; we share a common understanding. Only a few are tenants; everybody owns land. No one has a lot of land, but everyone has a little bit. When we go to Gujarat, the big landowners will crush us. As early as forty-fifty years ago, they took away the land of the adivasis who used to live there. Even now they are doing this. And we strangers - we don't know the language or the customs; it is their rule. If we can't do the kind of farming that needs a lot of money, then we'd have to mortgage our land to them, and slowly they would take it over. If they took away the land of the adivasis who lived there, then why won't they take away ours? Then who will give us other land? This is the land of our forefathers. We have a right to it. If this is lost, then we will only get spades and pickaxes, nothing else....

Our village gods are all here. Our ancestors' memorial stones are all here. We worship Kalo Rano, Raja Panto, Indi Raja. We also worship Aai Khada and Khedu Bai. Our great devi is Rani Kajol. Her's and Kumbai and Kundu Rano's mountain is in Mathvad. If we leave all of them, then where will we get new gods from? People come from all over to celebrate our festivals - *indal*, *divasa* and *divali*. For *bhangoria*, all of us go to the market where our youth choose their own spouses. Who will come to us in Gujarat?

The land in Gujarat is not acceptable to us. Your compensation is not acceptable to us. We were born from the belly of the Narmada, we are not afraid to die in her lap.

We will drown but we will not move!

Bava Mahaliya

- In the Chapter Ideas on Development, we read that what is development for one might not be development for another. Use Bava Mahaliya's letter to explain this statement.
- Create a table identifying the current aspects of living and changes that will occur if the tribal people are re-settled in a different state on following aspects: Food habits; Farming; Finance; Relation with Forest; Religious practices; House making; Social relations.
- How is loss of bio-diversity being expressed in the letter?
- For the tribal people livelihood, cultural practices and social relations are deeply connected to the local environment. Can you explain?
- Do you think the people of Jalsindhi village are food secure in their present location?
- If you lived in the above situation how would you have responded to the demand for re-settlement?

Development projects like the Sardar Sarovar dam have disrupted the lives and livelihood of thousands of people. It is true that irrigation and power have been produced and both are central to modern development. But for people who have been displaced – and there are millions of them – modern development has been unjust and destructive. Because of modern development projects, they have lost access to their greatest resource, the local environment. This is a point that Bava Mahaliya makes over and over again. Without the local environment their lives would be reduced to nothing. From a state of self-sufficiency they would be flung into scarcity. Now they can at least take one crop, hope that, in future, irrigation would enable them to gradually move to multiple cropping. But with displacement, their lives would become dependent on external forces and they would fall into poverty.

For most rural communities, the link between the environment and the lives of the people is very strong. Access to the environment serves a large number of their needs (like food, firewood, fodder, economically valuable articles etc.) which otherwise they would have to pay for. As they lose access to environment either because of displacement, or the environment is destroyed and polluted, the poor are the greatest losers. The question of environment and sustainability is intimately connected to the issue of equity.

It is also important to realise that not only do people lose out as they are removed from their local environments. Equally, the environment is denuded of its rich bio-diversity as the traditional knowledge is lost along with the people. The stock of knowledge has been built and enriched over generations. People like Bava Mahaliya are the repositories of traditional knowledge. “We know the name of each and every tree, shrub and herb; we know its uses. If we were made to live in a land without forests, then all this learning that we have cherished over the generations will be useless and slowly we will forget it all.” Today when the environment is endangered in

multiple ways, it is important to understand the contributions that these caring communities can make.

The resistance to Sardar Sarovar and other dams with similar consequences in the Narmada valley has taken the form of a social movement. It is called Narmada Bachao Andolan (NBA). You will read more about the issue of displacement and the environmental movement that has built up around this and similar issues in the Chapter on Social Movements.



Fig 12.5 : Write your caption in the context of environment

Chipko Andolan

Another important environmental movement is the Chipko Andolan which started in the early 1970s in the Garhwal Himalayas of Uttarakhand. Like the tribal people of Narmada valley, the forests are a critical resource for the subsistence of people in hilly and mountainous areas. This is both because of their direct provision of food, fuel and fodder and because of their role in stabilising soil and water resources. As these forests were being increasingly felled for commerce and industry, villagers sought to protect their livelihoods through non-violent resistance. The name of the movement comes from the word 'chipko' meaning 'embrace': the villagers hugged the trees, saving them by interposing their bodies between them and the contractors' axes. Village women were the main force of this movement. It inspired many people to look closely at the issue of environment sustainability.



While each of these movements has slightly different contexts, they are essentially demanding the rights of the local communities over the environment. Chipko movement acted to prevent the cutting of trees and reclaim their traditional forest rights that were threatened by contractors. Narmada Bachao Andolan has stood for the rights of the people over land, forests and river.

- You have read about the protests against the Kudankulam nuclear power plant in the Chapter on Ideas on Development. Can you interpret the protest in view of what you have read here?
- “Environment protection is not just crucial for those communities directly affected but for all of us.” Explain with few examples.
- Revisit the class VIII chapters on Mines & Minerals in the context of Andhra Pradesh. What issues of conflict emerge between industrialists and people living in regions of minerals?
- There has been rapid increase in the extraction of minerals for domestic use and for exports to other countries since liberalisation and globalisation of Indian economy. Using figures from the table on the right substantiate the observation.
- What do you think would be the environmental and human costs of such rapid growth in mining?

Growth in Extraction of Some key Minerals in India (in thousand tonnes)		
	1997-8	2008-9
Bauxite	6108	15250
Coal	297000	493000
Iron Ore	75723	225544
Chromite	1515	3976

Towards Sustainable Development with Equity

For long, policymakers have ignored the environmental issues. The argument has been that since developing countries like India are poor, developing economies need to grow. Development has to be achieved at any cost. Growth in GDP and modern industrial development are necessary, it is argued, for raising the living standards of people and reducing poverty. Since modern industrial and agricultural development are intensive in use of natural resources including energy, depletion of resources and pollution of the environment is to be expected. It is a sacrifice that has to be borne for higher growth. Once high economic growth and prosperity is achieved, pollution and environmental degradation can be handled. One can spend money and clean up the air and rivers, drink bottled water and build cars that are fuel efficient. After all this is the route the developed countries have taken.

This logic is wrong for various reasons. By now you would have realised that the environment is already in a disastrous state on various fronts. India is a big country with a huge population. If we continue to grow and consume energy and other resources and also pollute the environment as the developed countries have done, it would be catastrophic for earth. The damage to the environment will simply not be reversible. Hence, the idea that environmental damage is self-correcting is wrong. Besides, we certainly do not want the environment to be destroyed before it is reclaimed. Future generations, even if they restore the damage, they would have to spend crores of rupees to clean up the mess created today. For example to clean up our rivers and drains we need to spend money today besides ensuring that they are not polluted again. Do you think we should follow a path that destroys the natural resources and leaves them worse for future generations? Can we not perceive

the contradiction: we first encourage and celebrate a life style that invites the disease and then spend thousands on its cure?

We are already experiencing on several fronts the negative consequences of rapid economic growth – the problem of groundwater and pesticides being two stark examples. We have several thousands of communities living off the environment. To destroy the environment means to destroy these communities. It is unjust to ask the poor people to bear the cost of development.

Of course, this doesn't mean we don't progress. But we should be able to integrate environmental concerns with the idea of progress, along with issues of equity and justice. We have to find an environmentally



Fig 12.7 : Write your caption in the context of development

sustainable pathway out of poverty. It is not an easy task. And yet the beginnings have already been made.

1. Different groups have championed the rights of local people over the environment (chapter 21). They have been a major force in raising the environmental consciousness among people and shift towards sustainable development.

2. The courts have given a number of judgments upholding the right to a healthy environment as intrinsic to the Fundamental Right to Life. In 1991, the Supreme Court held that the Right to Life under Article 21 of the Constitution includes the right to the enjoyment of pollution-free water and air for full enjoyment of life. The government is responsible for setting up laws and procedures that can check pollution and introduce heavy fines for those who pollute. A variety of government

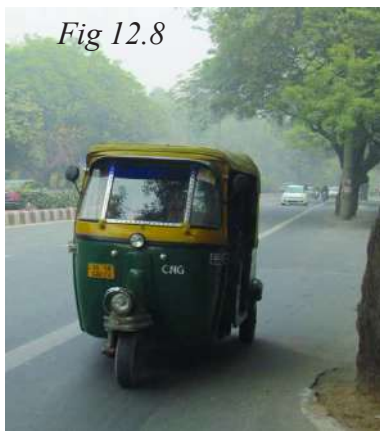


Fig 12.8

Fig 12.8 : Emissions from vehicles are a major cause of environmental pollution. In a series of rulings (1998 onwards), the Supreme Court had ordered all public transport vehicles using diesel were to switch to Compressed Natural Gas (CNG). This is a cleaner fuel compared to diesel. As a result of this move, air pollution in cities like Delhi came down considerably. However, in the recent years the pollution levels have gone up again, because of the huge rise in the number of private cars run on diesel. Car manufacturers have started producing and selling cars run on diesel! The challenge of sustainable development is not an easy one.

institutions have been started to play the regulatory role.

3. On issues like climate change countries have tried to reach collective decisions. Climate change affects all countries and people, some may be more than the others. Many of these effects we do not even understand, and cannot anticipate. Individually a country may take initiative to reduce emissions of green house gases. Its environment would however continue to deteriorate if other countries do not regulate their emissions. Thus, solutions at the global level with countries coming together become necessary.

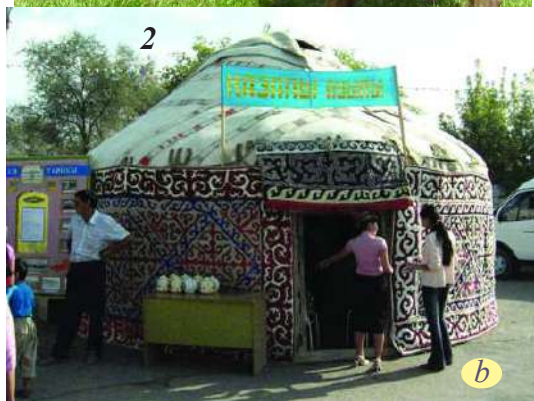
4. At the community level, many community organisations have innovated and re-discovered sustainable and equitable ways of doing things. There are numerous instances of such initiatives in diverse fields: fisheries, mining, transportation, energy, agriculture, industry, etc. Let's consider a few initiatives that have a direct bearing on society's most basic need, i.e, food.

In the area of agricultural production, you might have heard about organic products and organic farming. Organic farmers forego the use of chemical fertilisers and pesticides. Instead they rely mainly on natural techniques such as crop rotation, compost and biological pest control in farming. One of the main characteristics of organic agriculture is the use of local resources including on-farm biological processes such as availability of pest predators (birds, spiders,

insects) or soil micro-organisms (Rhizobium and Azotobacter) which make nutrients more accessible to the plant. The use of synthetic chemical inputs is minimised and farms can be bio-diverse as they produce a number of crops rather than only one or two crops. Furthermore, production levels can be maintained similar to modern agricultural methods.

Now many states have realised the need and potential of organic farming. Local level initiatives have influenced state policy. The Sikkim government has taken the bold step to ban chemical fertilisers and pesticides. It is the first state in India that is planning to shift completely to organic farming by 2015. Uttarakhand too is following the same path of being 100% organic state.

Another very interesting intervention on sustainable food production and its equitable distribution is the alternate PDS initiated by community groups in Zaheerabad area of Andhra Pradesh.



- a. Massai warrior in Kenya
- b. Yurta Kazakhstan
- c. Qiang tribes in Tibet
- d. Gaucho in South America

Fig 12.9 : In the year 2013 a new photography book called “Before They Pass Away” was published. We do not have access to the book. The author identified nomadic communities that are on the verge of disappearing. (Our images are from different sources.) As you look at them think of how and why the question of sustainable development will be important – and why did the author identify them as disappearing.

An Alternative Public Distribution System

Of the total cultivatable land in India, 92 million hectares is rainfed area and 51 million is irrigated area. This means nearly 2/3rd of cultivable land in India is rainfed and may not be fit for irrigated agriculture. Traditionally, a mix of crops suited to the dryland conditions were grown in these areas. For example the dryland agriculture of the Deccan plateau had a mixture of 16 crops sown at the same time. These have varying maturity period which results in extended period of work and continuous supply of incomes and/ or food gave. This also minimised the risk factor, where at least one crop will give yield even in adverse climatic conditions. Mixed cropping also reduced the chance of any insect becoming a major pest. The crops were so chosen to provide balanced and nutritious food to the land (soil fertility), human population and the livestock.

However, with the green revolution emphasis shifted to rice and wheat. These were the crops that were also available through the ration shops under the PDS. The main cereal cooked at home changed to rice and wheat. As the demand for local foodgrains fell, over time many of the patches of dryland were left uncultivated. You may recall that under the Green Revolution rice and wheat agriculture was encouraged for food self-sufficiency through various government policies. Cultivation of millets on the other hand was neither encouraged, nor supported. There was not enough research on how to increase the yields of coarse cereals. This is the main reason why the production of dryland crops like millets and oil seeds suffered.

In Zaheerabad mandal of Medak district of Andhra Pradesh, villagers have reversed the dependence on purchased wheat and rice. It all began around the year 2000 as the women began to reflect on the loss of local food cultures. Millets were the traditional staple of the region, which had been lost to rice. Rice is nutritionally inferior compared to millets. Besides poor nutrition, people also realised that they had lost control on what grew on their land. Many fields were now fallow. Led by a voluntary organisation, Deccan Development Society, the villagers collectively decided to cultivate the fallow land and the commons. Millets were the obvious crop choice because of their suitability to the local environment. Millets are hardy crops and nutritious.

Cultivation of dryland gave people work. Further, instead of selling the produce outside, the community started community grain bank. This operated on the principle of the PDS system (like people hold different ration cards and are assigned fixed quotas depending on the type of ration card). Only it was locally managed, and the grain was the local grain. Instead of the grain travelling hundreds of kilometers, locally produced food was now available to ensure food security in the village.

To sum up...

We noted that that modern development has accentuated the problems of environmental destruction. This is today felt in many ways and quite starkly. From development centered on growth of goods and services, the goal has to shift towards sustainable development with equity. Everyone has a role to play in this transformation – individuals, companies, farmers, governments, courts, voluntary and community organisations and international organisations.

Key words

Sustainable development
People's rights

Environment
Equity

Source
Sink

Improve your learning

1. Identify at least ten food items that you consume and find out how far they have travelled from their place of production to reach your plate.

S. No	Food item	Distance traveled
a	Rice	
b	Cooking oil	
c	Bananas	

Many people have argued for localisation of food production rather than food travelling long distances. How is localisation of food connected to the environment? Find out more about the localisation movement in food and organise a discussion and debate in the classroom. (If you have access to internet you may like to listen to following talk by Helena Norberg-Hodge available in youtube website:
https://www.youtube.com/watch?v=4r06_F2FIKM.)

2. Why did the people of Jalsindhi village refuse to move out of the village?
3. “This is the land of our forefathers. We have a right to it. If this is lost, then we will only get spades and pickaxes, nothing else...” says Bava Mahaliya. Can you explain the statement?
4. “Last, but not the least, the key to environmental problem lies in changing lifestyles that will minimise waste and pollution.”
 - What are the various ways in which our lifestyles affect the environment? Use examples from your own context to explain.

- Find out about the various ways in which the problems of garbage and emissions are being dealt with around the world.
5. Rapid extraction of minerals and other natural resources would adversely impact the future development prospects. Do you agree?
 6. Why do you think the effects of climate change may be felt by all countries?
 7. Should the average temperature of the earth be treated as a natural resource for all people?
 8. What are the lessons to be drawn from the alternate PDS initiative at Zaheerabad mandal in Andhra Pradesh?
 9. “Environment is crucially important for the lives and livelihoods of the local communities and the lifestyles of local communities are harmonious with the environment.” Explain.

Project

You have read about composting in the context of organic farming. Here is a simple method that you can try out in your school and home.

- Take a large size container and make several holes for water drainage.
- Layer it with coconut fibres for drainage.
- Cover it with a thin layer of soil.
- Add vegetable wastes in a layer.
- Add another layer of soil.
- Again add vegetable wastes in a layer.
- Cover with soil.
- After one week, introduce earthworms in it.
- After decomposition, use the soil to make a small garden with plants of your choice.

CHAPTER 13

The World Between Wars 1900-1950 Part - I

At the beginning of the 20th century, the world had a population of 1.6 billion people. Industrial capitalism had changed the way many people earned their livelihood but only in the Western countries. Some of these countries, especially Britain, were the leading industrial powers and also held vast colonial empires, spread all over the world. The world was divided into the West which was experiencing economic growth and ‘the Rest’ whose acute backwardness was worsened by colonial exploitation by the West.

Eric Hobsbawm, a historian, called the 20th century ‘The Age of Extremes’. Politically, the world saw shoots of democratic aspirations grow amidst the rise of Fascist domination which fostered ideologies of unquestioned power and hatred for other people. Literacy levels and average life expectancy grew immensely for all. New forms of art like movies emerged. Scientific knowledge rose to new heights unlocking the secrets of atom and life. Women, who constitute half the world’s population, got their right to vote in this period, starting with the West. Literally more than a hundred nations walked to independence and freedom across the world. This was also an age of great experimentation as people strove to build socialist societies based on the principles of equality and fraternity or alternatively a liberal democracy based on political liberty and capitalist economy. But the same period saw the “Great Depression” causing massive unemployment and economic breakdown and two World Wars in which millions died and the lives of many more millions were dislocated. Hence, the 20th century was a period of great expectations, experiments and dangerous developments.



Fig 13.1 : Logo of International Women's suffragist movement an organisation established in 1914

We shall, in this chapter, introduce you to some of these things. We would talk about the making and consequences of the two World Wars, the three responses to the Great Depression of 1929 and the creation of an institution, like the United Nations, to ensure World peace and development.

- Look at some of the pictures in the next page, connect them with one or the other point mentioned above and write a short note on each of them.

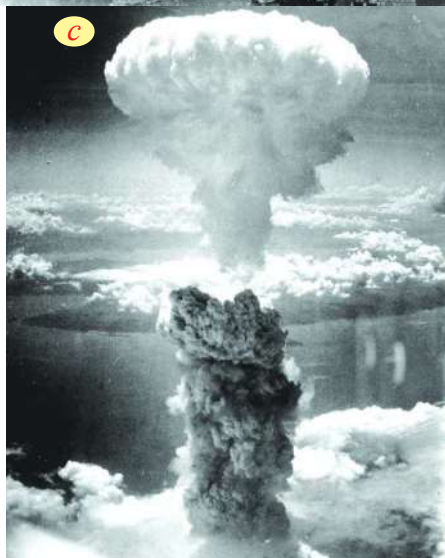
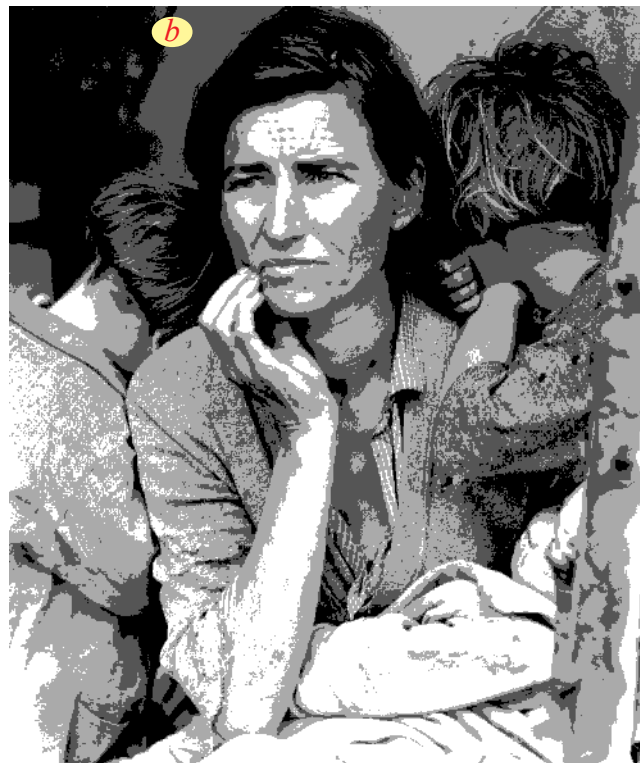


Fig 13.2 :

- 1934 rally of Hitler's Nazi party at Nuremberg. Compare it with the political rallies you have seen.
- Famous photograph of Polish immigrant Florence Owens during Depression by Dorothea Lange. It depicts destitute pea pickers in California, March 1936. What would she be thinking?
- Atom Bomb in Nagasaki, also look at the picture at the end of the chapter which shows the effect of this bomb.
- A painting by Kustodiev in 1920 on The Bolshevik Revolution in Russia. What is the artist trying to say? Who the giant leader could be?
- A cartoon in German with caption "Buy from the Jews, betray your people" 1929. What bias does it show?



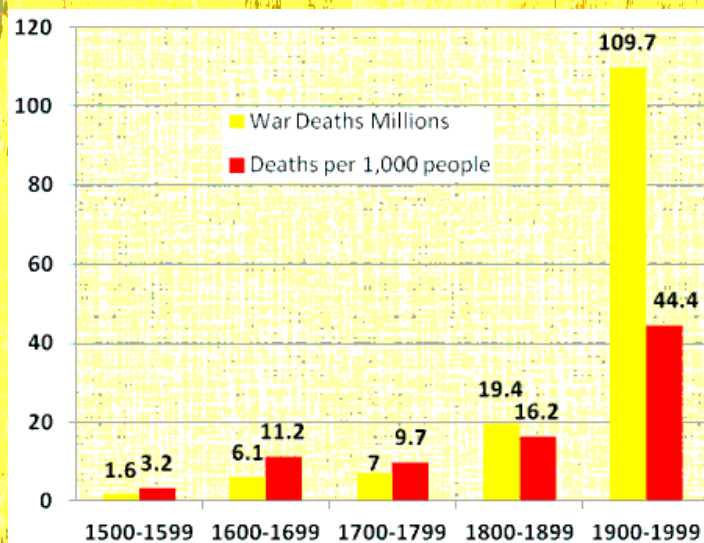
World Wars: Ominous Facts

At the beginning of the century, the world was divided into developed industrialised countries of the West (including Britain, USA, Germany, France, Italy, Japan, etc) and colonial countries of Asia, and Africa. While the colonial countries were just beginning their struggles for independence, the industrialised countries were at loggerheads with each other. They were divided into rival blocks (Germany-Austria-Hungary Vs Britain-France-Russia), each vying for world domination which would give it control over the colonies and markets. The First World War broke out in 1914 – it was truly a World War as virtually no country was left untouched by it from Japan and China in the East to the US in the West. It ended in the defeat of Germany and its allies and in the victory of Britain and France in 1918. The conditions of peace that followed only created the seeds of another and more deadly war from 1939 to 1945. This war too was fought between Germany and its allies like Italy and Japan on the one side and Britain, France, China, USSR and US on the other side. It ended in the defeat of Germany and its allies but before it ended it had ravaged all the warring countries.

Death and destruction

The two World Wars were different from other wars that the world had seen till then. The death and destruction caused by them was unprecedented. World War I had claimed 10 million men in battle. (This included about 75,000 Indian soldiers who fought in Africa and Europe on behalf of Britain.) The consequences of World War II were even more terrible. It resulted in about 22–25 million military casualties and the deaths of approximately 40–52 million civilians, including nearly 6 million Jews, the victims of the Holocaust and the US attack on Hiroshima and Nagasaki in Japan with atom bombs which killed between 150,000 to 246,000 people immediately. The after-

Graph 1 : War related deaths 1500 - 1999



Source: Lesser RB et al State of the World 1999 A World Watch report on Progress towards a Sustainable Society (London Earthscan publication, 1999).

The last column tells us the proportionate death due to wars – number of war deaths for every thousand people who lived during those centuries. Thus about less than four people out of thousand died in the 16th century while it rose to more than 44 persons in the last century – nearly 4.5% people!

effects of these bombings, like leukaemia and cancer, lingered on for decades.

- Find out: How long did the India Pakistan war last in 1971? How many people were killed?

The previous wars between nations may have lasted longer but those wars were not geographically as widespread nor their effects as lethal as the ones in the 20th century.

Power Blocks

The second fact about the world during this period is the division of the world into nation states and grouping of these nations of the world into power blocks and the degeneration of these alliances into war camps. You have read in the earlier class about the emergence of nationalism and movements for nation states in the 19th century. But the process of nation formation also accelerated the scramble among the industrialised nations for control over the world, greater say in world diplomacy and armies to back up national interests. By the end of the 19th century different nations of Europe entered into alliances with each other against other blocks. Two main blocks emerged – the Centre and the Entente or Allies. They were a manifestation of that process of scramble for power and control over territory. The insecurity caused by this scramble led to the formation of alliances, mostly secret ones, between known enemies of the past like Austria and Italy or Britain and France.

Similar blocks continued into the Second World War – the Axis powers led by Germany and the Allies led by Britain, US and USSR.

Causes of the two World Wars compared

No one can say that any two events are similar. The two World Wars of the 20th century were also dissimilar separated as they were by 21 years and changes in economic conditions, diplomatic alliances, military hardware etc. However, for purposes of understanding the differences, comparing the two World Wars of the 20th century will be a good method. We will first compare the immediate provocations and, then, the main causes of these two World Wars.

Every war is triggered by some immediate provocations built upon some long term causes. The immediate provocation for World War I was the murder on 28th June 1914 of Archduke Franz Ferdinand of Austria by a Serbian fanatic. Austria declared war on Serbia. As Serbia was with Allied Powers (like UK, France and Russia) the Austrian attack on it led these powers to come to Serbia's defence. Then, the Central

Timeline

Beginning of First World War August 1	• 1914
Russian Revolution	• 1917
End of First World War	• 1918
Treaty of Versailles	• 1919
Formation of League of Nations	• 1919
Rise of Hitler in Germany	• 1933
Breakout of Second World War	• 1939
German Invasion of USSR	• 1942
Formation of United Nations Organisation	• 1945
End of Second World War August	• 1945

Powers (like Germany and Italy), allied to Austria, also joined the War and this marked the beginning of World War I.

Similarly, the immediate provocation for World War II was the German tanks driving into Poland on September 1, 1939. Hitler invaded Poland as punishment for refusing to handover the port of Danzig to Germany. Polish territory lay between two parts of Germany. Hitler thought the takeover of Poland will also be a small military operation. But Poland had a defence pact with Britain which jumped on to the Polish side and France joined them a day later. This marked the beginning of World War II.

Now, let us turn to the long term causes of the two World Wars. The build-up for World War I started in the 19th century. Aggressive nationalism, Imperialism, Secret alliances and Militarism were the main long term factors which led to World War I. These causes continued to push the world to war but some new long term causes were also added to the origins of World War II. One of these was the dissatisfaction of Germany with the legacy of World War I. We can list these long term causes one by one.

Aggressive nationalism

The ideology of nationalism was a positive impulse. It was the foundation of modern nation states and the force behind the unification of Germany and Italy. But this ideology could also be used to create pride in one self and hatred against neighbours. This hatred was slowly building up in the 19th century between the states of Europe.

Italian Fascism from 1923 and National Socialism of German Nazis were the other forms of aggressive Nazism in destructive mode. Fascists played up the spirit of aggressive nationalism and tried to build images of victorious Germans ruling over the world and mobilised the Germans against other nations of Europe.

Imperialism

As industrial capital developed in the European countries like Britain, Germany and US, they needed markets for their products and access to raw materials. As capital further accumulated in Banks and financial institutions, they looked for safe investment opportunities in colonies. Thus by the end of the 19th century there was a race for colonies between the European powers. The

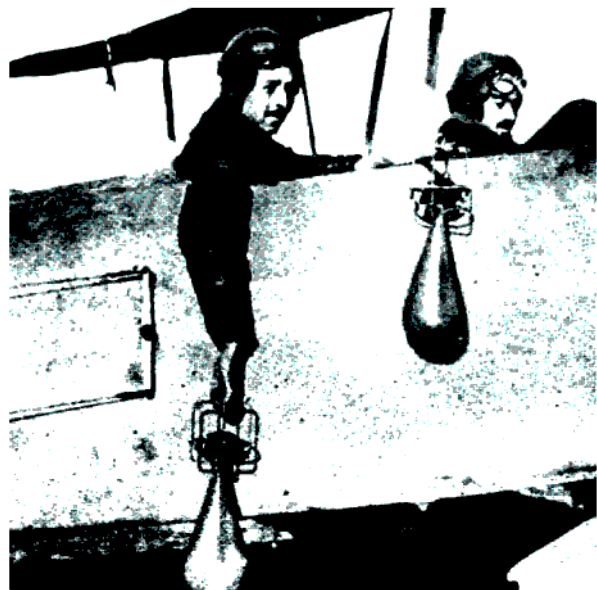
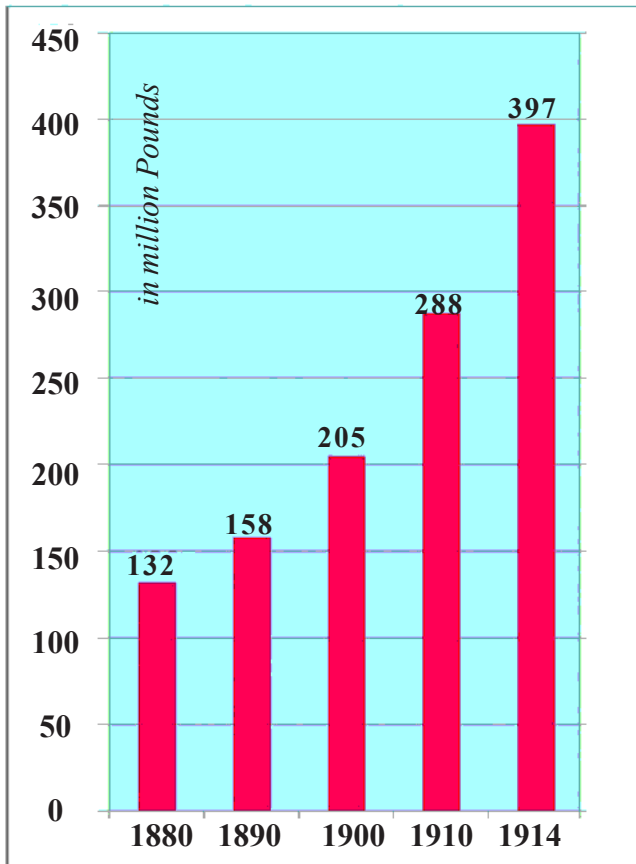


Fig 13.3 : For the first time in history planes were used to drop bombs in WW I.

Graph 2 : The Armaments Race



Military expenditure by great powers (Germany, Austria-Hungary, Great Britain, Russia, Italy and France 1880-1914 (source The Times Atlas of World History, London 1978)

irritants, with Britain in 1904. Russia, France and Britain formed their Triple Entente in 1907. The Triple Alliance led by Germany and the Triple Entente made the European powers jealous and suspicious of one another. Instead of real peace, these alliances created an atmosphere of fear and 'armed peace' in Europe.

Militarism

Militarism is the belief that military might is the best way to ensure security and war is good way to solve problems. From 1880 to 1914, the military expenditure of the

governments of these countries acted on behalf of their capitalists to increase their areas of influence and reduce the areas under their competitors. As new industrial powers (like Japan, Germany and Italy) emerged they wanted to re-divide the colonies but the old powers were not ready for this. This created much stress often leading to wars.

Secret alliances

After defeating France in 1870, Bismarck, the German Chancellor, decided to isolate it. To achieve this end, he entered into a secret alliance with Austria in 1879 and with Italy in 1882. This defensive alliance was meant to partly save Austria from Russia and Italy from France. The French broke their isolation by striking a mutual alliance with Russia in 1891 and, after resolving

- In what ways do you think industrialisation has created the conditions for modern wars?
- Do you think the love for one's country among people of different countries leads to wars?
- If one country takes an aggressive stance against another country, should the other country also respond aggressively? Can there be other ways of handling the problem?
- Do you find the presence of aggressive nationalism, imperialism, power blocks and militarism around us today too? Give examples and discuss in the class.
- Find out about some of the wars fought during the last ten years and see to what extent these four factors caused them.

six big powers (viz. Germany, Russia, Austria, Italy, France and Britain) increased by over 300%, i.e. from £ 132 million to £ 397 million. Three things are noteworthy in the context of militarism. Each of these countries built massive standing armies, competed with each other in increasing their armaments and built a mindset among the people to support wars. A large industrial complex producing arms emerged which constantly promoted the idea of using war as a solution to diplomatic problems. Wars usually increased their profits manifold.

The special context of the Second World War

The Treaty of Versailles

World War I ended with the Conference on Peace at Versailles in 1919. This was the biggest conference as it was attended by 32 national delegations and they covered three-fourths of the population of the world. The five big victorious powers of the time, viz. USA, UK, France, Italy and Japan, participated in this conference. But Socialist Russia and the vanquished powers, for example Germany, Austria and Turkey, were not invited to the Conference. Hence, those deliberating the future of the world did not have the wise counsel or deeply felt wishes of these powers. It is not surprising, therefore, that Germans thought the Treaty at Versailles was a diktat imposed on them and they had no respect or responsibility for it. To weaken Germany, the Treaty of Versailles imposed some territorial penalties and military cuts on it. Firstly, Germans were asked to return their colonies in Africa occupied in the 1880s and European areas like Alsace and Lorraine which they occupied from France in 1871. Secondly, Germany was asked to pull down its army strength to 100,000 from 900,000 during World War I. It was also asked not to have submarines and restrict its naval strength to six battleships of less than 10,000 tonnes and a dozen torpedo boats and destroyers each.

The League of Nations

The Treaty of Versailles also set up the League of Nations to prevent wars in the future. Russia or Germany was not invited to become members of the League and USA could not become a member as the US Congress (parliament) refused to sanction the proposal of the President Woodrow Wilson even though he was very active in the formation of the League. Hence, even at its peak in 1934, the League had 58 members only. It was hoped that it will help eliminate wars through 'collective security' and settle disputes between countries through arbitration or negotiation. It also set up several international agencies for conducting welfare activities like health, labour welfare and also an International Court of Justice for legal disputes between nations. Even



Fig 13.4 : A cartoon depicting Hitler as man of peace as well as man of war.

though it showed a lot of promise and much was expected of it, it failed eventually to prevent Germany and Italy from violating international agreements and attacking other countries.

German Challenge to vengeful domination

After the defeat of Germany at the end of the First World War in 1919, the victorious Allies wanted to punish Germany for starting the war and also cripple it

- Some organs of the League of Nations like the International Labour Organisation (ILO) and World Health Organisation (WHO) continue to function to this day. Find out about their activities and prepare a project report on one such organ.
- Do you think the Second World War could have been avoided if the victorious powers had been more considerate towards Germany in 1919?

so that it cannot rise again. For the Germans, the provisions enforced on them by the Treaty of Versailles were slavish. This created a reaction in Germany which led to the rise of Hitler and his Nazi party. They wanted to recover the territories lost by them in the Treaty of Versailles, restore German dominance over Central Europe and end the restrictions on German armaments. Germany reindustrialised itself furiously under the Nazis and developed a massive army and armament industry which could only be served by a war.

The fear of Socialism and the USSR

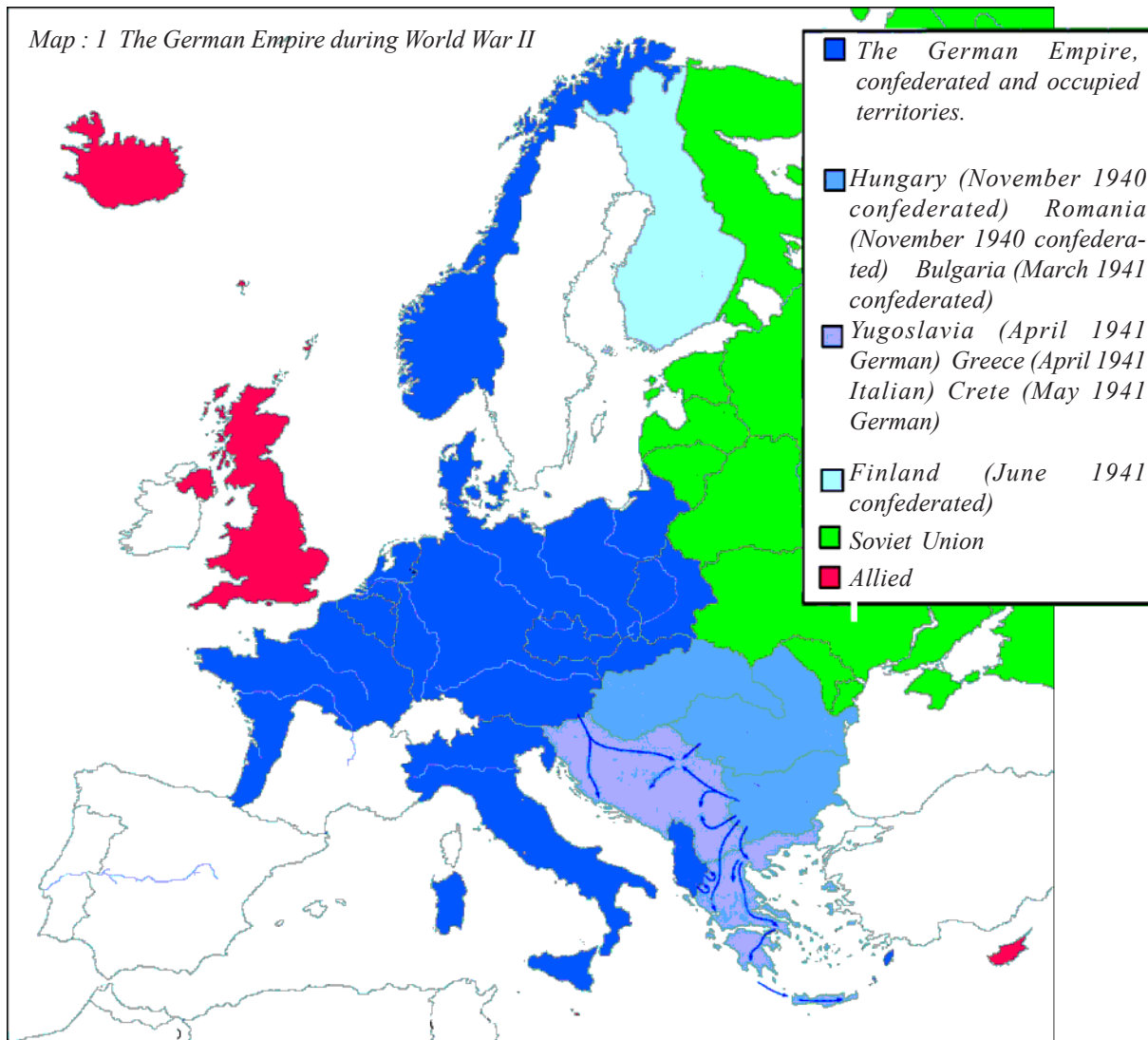


Fig 13.5 : A Dutch poster from the 1940s: caption "Civilisation or Barbarism" "Don't you still understand?"

The disastrous results of First World War caused great social upheavals all over Europe and the workers turned to ideologies of Socialism and Communism. All over Europe Peace Movements gained great popularity. In Russia a revolution took place in 1917 which resulted in the establishment of a Communist state there. One of the first acts of the new government was to end Russia's participation in the War and begin peace negotiations. (It became the Union of Soviet Socialist States - USSR in 1924.) The western capitalist countries like Britain were afraid of a similar revolution in other countries of Europe and initially encouraged Hitler and the Nazis to consolidate themselves to act as a buffer against Soviet Socialism. This was the policy of 'appeasement' of Hitler.

However, in 1939 Germany and USSR entered into a non aggression pact and Hitler turned against Britain and France alliance. This started the II World War. Hitler was able to establish complete mastery

over most of West European continent. He then decided to attack USSR in 1942. In the same year Japan an ally of Germany attacked USA and with this USA and USSR joined the fight against Germany.



Consequences of the World Wars

The World Wars had a long lasting impact on the politics, society and economy of the world. These can be enumerated as follows.

Enormous human cost

The first consequence of the Wars was widespread deaths and injuries. As stated earlier, almost 10 million people were killed in the First and 20 to 25 million in the Second World War. Most of those who died were men and almost all of them were under forty years of age. The two wars also established a regime of lethal arms race, particularly of nuclear and chemical weapons. The world is still living constantly under the threat of total destruction of all life through even accidental use of such weapons.

Democratic principles asserted

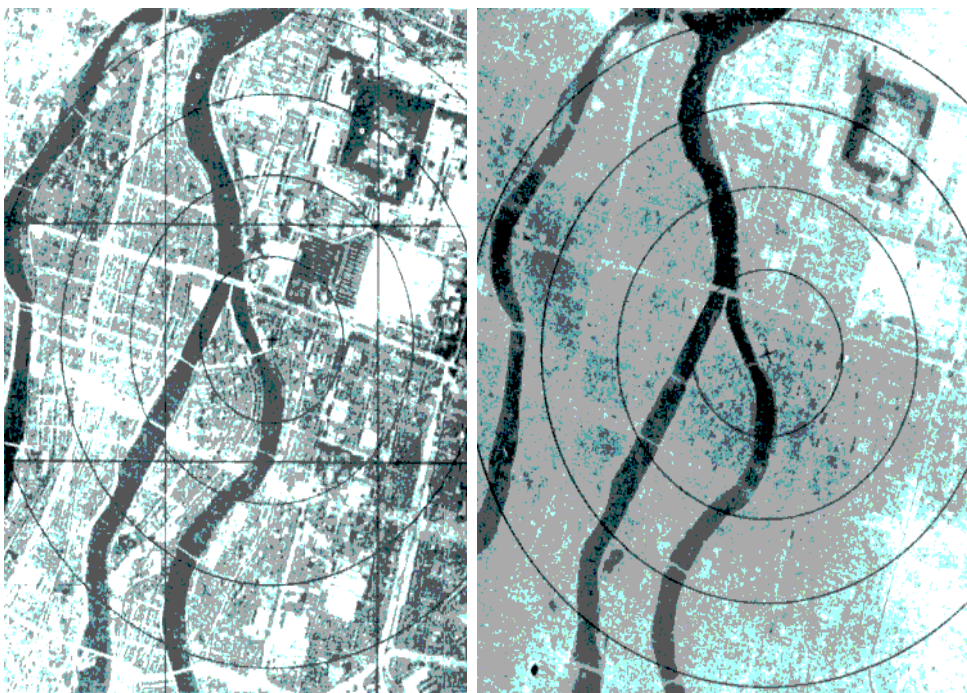
The two wars also brought home the dangers of having undemocratic governments and greatly strengthened the case for democratisation of power. With the First World War several empires also ended (The Austro Hungarian Empire, the Russian Empire, the Ottoman Empire, the German Empire etc). Countries like Russia saw a socialist revolution while others like Germany, grew out of their monarchy and became a Weimar Republic. The Ottoman empire was replaced by a democratic and secular state in Turkey. Similarly, during the First World War, on the demand of their subjects the colonialists accepted the principle that self-government is desirable in colonies. With the process of decolonisation, after World War II, the colonies rose to independence and several of new countries were born across Asia and Africa.

Change in balance of power

With World War I the German, Austro-Hungarian, Russian and Turkish empires came to an end. The map of eastern and central Europe was redrawn on the basis of nationality, economic viability and military security. When World War II came to an end, the map of the world changed yet again as ex-colonies rose to become independent nations.

New International organisations

After World War I, the League of Nations was formed to resolve disputes peacefully and the United Nations Organisation (UNO) was formed after World War II. UN is a kind of world government based on four principles, viz. preserve peace, uphold human rights, respect international law and promote social progress.



It works through organs like UNICEF, UNESCO, WHO, ILO, etc. You may have heard of some of them or even seen their work. The UNO despite being accused of becoming a tool of the great powers like

Fig 13.6 : The city of Nagasaki before and after Atom bomb

USA, and Russia (USSR) has managed to prevent wars on the scale of the Second World War.

Enfranchisement of women

After a long struggle for political right like right to vote - British women got these rights in 1918. In the long protracted wars like the World Wars, industrial production and other services are necessary. With men away in the battle fields, more women had to work in factories, shops, offices, voluntary services, hospitals and schools. Beginning with the confidence of being bread-winners, women began raising their voice for equality in all walks of life. Getting the right to vote was a big step in that direction.

Keywords

Industrial capitalism
Militarism

Alliances
Fascism

Aggressive nationalism
Imperialism

Improve your learning

1. Correct the false statements
 - At the beginning of 20th century disparity across the world was marked by west and the rest
 - 20th century saw the rise of democracy and instances of dictatorship as well as making of new kingdoms
 - Socialist societies wanted to build on the idea of equality and fraternity
 - Army members of countries fighting belonged to many different countries and not just those which directly participated in the war.
 - After or during the First World War many countries changed over from monarchy rule to democracies
2. Make a table to show allies, axis and central powers, participated with following countries on different sides of the world wars: Austria, USSR (Russia), Germany, Britain, Japan, France, Italy, USA
3. How did the idea of nation states and nationalism influence desire for war during World Wars?
4. Write a short note on various causes of two World Wars. Do you think any of these features are prevalent even today in countries around the world? How?
5. What are the different impacts of wars during the first half of 20th century?

The World Between Wars

1900-1950 Part II

Russian Socialist revolution

Tsarist Russia was a vast land mass spread over two continents and making it a Euro-Asian power. It had the third largest population in the world, viz. 156 million, after China and India. It comprised of several nations like the Russia, Ukraine, Uzbekistan, Kazakhstan, Tajikistan, Turkomania, etc. The livelihood of most Russians was derived from agriculture and control over land was the basic cause for struggle between peasants and feudal lords. The feudal lords owned most of the lands and most peasants paid rent for the land they tilled.

Tsar Nicholas II ruled over his vast Russian empire like any autocrat with the help of the army and bureaucracy. But the Russian economy was bled in the extreme by the World War. The Russian army was the largest in the world before World War I. Yet, by 1917, the Russia had lost two million soldiers and civilians and became the biggest loser of human lives in World War I. The diversion of food to the War front led to shortages in the cities. On March 8th 1917, around 10,000 women of the capital, St Petersburg, took out a procession demanding ‘Peace and Bread’. Workers joined them in this protest. Unnerved at the protest in the capital, Tsar Nicholas II ordered the army to suppress the demonstrators, even by firing at them. Instead, the soldiers joined the demonstrators. In just two days, the situation

went so much out of hand that the Tsar abdicated and non-aristocratic Russians made a Provisional government. This was the first Russian revolution of 1917 and it was called the March Revolution.

A bigger revolution was made later in October 1917 and it was not spontaneous. The liberals and aristocrats, who ruled Russia after the abdication of the Tsar, decided to continue the War to preserve the honour of the fatherland.



Fig 14.1 : Bolshevickhs marching on red square, Russian Revolution of 1917

Fatigued by military reverses and upset at economic shortages, the common people did not want the War. They began organising themselves in councils which were called Soviets. Such Soviets of soldiers, industrial workers and also people in rural areas were the expression of common people's power which was channelised by a group of Russian Communist party called Bolsheviks.

Date of the Russian Revolution

Russia followed the Julian calendar until 1 February 1918. The country then changed to the Gregorian calendar, which is followed everywhere today. The Gregorian dates are 13 days ahead of the Julian dates. So by our calendar, the 'February' Revolution took place on 12th March and the 'October' Revolution took place on 7th November.

The Bolsheviks were led by Vladimir Lenin (1870-1924). Bolsheviks were able to win the confidence of the Soviets (councils of peasants, workers and soldiers) because they took up the demand for immediate and unconditional peace, nationalisation of all land and its redistribution to the peasants and control over prices and nationalisation of all factories and banks. The Soviets under the Bolshevik leadership seized power from the Provisional Government in October-November 1917 and immediately took steps to end the war and redistribute land. Full peace could not return to Russia because there started a civil war led by White armies of Russian monarchists and anti-communist soldiers with help from Britain, France, USA and Japan. These were all defeated by 1920. The Bolsheviks also announced the ending of the Russian empire and permitted the various nations under it to become independent. However, gradually most of the former Tsarist empire's nations agreed to join the Union of Soviet Socialist Republics (USSR) which was set up in 1924 by the Soviet government of Russia.

With this began a great experiment of building a country without exploiters like feudal lords, Kings or capitalists. The USSR tried to build a society that was industrialised and modern and yet did not have inequality or exclusion of people on basis of birth, gender, language, etc.

Rise of Stalin

After the death of Lenin in 1924 Stalin emerged as the leader of the Communist

Timeline



Women in the February Revolution

'Women workers, often inspired their male co-workers ... At the Lorenz telephone factory, ... Marfa Vasileva almost single handedly called a successful strike. Already that morning, in celebration of Women's Day, women workers had presented red bows to the men ... Then Marfa Vasileva, a milling machine operator stopped work and declared an impromptu strike. The workers on the floor were ready to support her ... The foreman informed the management and sent her a loaf of bread. She took the bread but refused to go back to work. The administrator asked her why she refused to work and she replied, "I cannot be the only one who is satiated when others are hungry." Women workers from another section of the factory gathered around Marfa in support and gradually all the other women ceased working. Soon the men downed their tools as well and the entire crowd rushed onto the street.'

From: Choi Chatterji, *Celebrating Women* (2002)

party. Over the next decades he established his absolute control and put an end to all opposition. He used his undisputed power to build the economy of USSR.

USSR began a programme of planned economic development with its Five Year Plans in 1928. This pursued a twin policy of rapid industrialisation and collectivisation of agriculture. USSR under the leadership of Joseph Stalin tried to end small peasant production by forcing all small and large farmers to surrender their lands and join 'Collective Farms'. These farms pooled in all the land in the village along with tools and machines and animals. Farmers worked together and the produce was divided among the members

of the farms. The idea was to shift from small holding farming to large scale farming so that new techniques and machines could be used. Thousands of peasants especially the large farmers resisted this and had to face imprisonment, deportation and even death. This caused a severe famine in 1929-30 leading to the death of a



Fig 14.2 : Lenin addressing workers

very large number of people. After an initial period of decline, agricultural production soon rose and helped USSR to also build its industries on an unprecedented scale. All industries were owned by the state which did not allow free market and sold the industrial products to the consumers directly.

However, rapid construction led to poor working conditions. In the city of Magnitogorsk, the construction of a steel plant was achieved in three years. Workers lived hard lives and the result was 550 stoppages of work in the first year alone. In living quarters, 'in the wintertime, at 40 degrees below, people had to climb down

from the fourth floor and dash across the street in order to go to the toilet’.

An extended schooling system developed, and arrangements were made for factory workers and peasants to enter universities. Crèches were established in factories for the children of working women. Cheap public health care was provided. Model living quarters were set up for workers. The effect of all this was uneven, though, since Government resources were limited.

USSR achieved full employment for all its citizens and was able to improve their standard of living substantially. It also managed to universalise literacy and primary education. Precisely during this period, the western world began to face the ‘Great Depression’ in which factories closed down and millions of workers lost their jobs, thousands of peasants found the prices of their goods crashing down as demand for them collapsed due to the shutting down of factories. The USSR prided itself in escaping the impact of the Great Depression. USSR was able to escape the effect of the Depression because it was not integrated with the international market. Secondly, it had a planned economy in which the

The October Revolution and the Russian Countryside: Two Views

1) ‘News of the revolutionary uprising of October 25, 1917, reached the village the following day and was greeted with enthusiasm; to the peasants it meant free land and an end to the war. ...The day the news arrived, the landowner’s manor house was looted, his stock farms were “requisitioned” and his vast orchard was cut down and sold to the peasants for wood; all his far buildings were torn down and left in ruins while the land was distributed among the peasants who were prepared to live the new Soviet life’. From: Fedor Belov, *The History of a Soviet Collective Farm*

2) A member of a landowning family wrote to a relative about what happened at the estate:

‘The “coup” happened quite painlessly, quietly and peacefully. ...The first days were unbearable.. Mikhail Mikhailovich [the estate owner] was calm...The girls also...I must say the chairman behaves correctly and even politely. We were left two cows and two horses. The servants tell them all the time not to bother us. “Let them live. We vouch for their safety and property. We want them treated as humanely as possible...”

...There are rumours that several villages are trying to evict the committees and return the estate to Mikhail Mikhailovich. I don’t know if this will happen, or if it’s good for us. But we rejoice that there is a conscience in our people...’

From: Serge Schmemmann, *Echoes of a Native Land. Two Centuries of a Russian Village* (1997).

- Read the two views on the revolution in the countryside. Imagine yourself to be a witness to the events. Write a short account from the standpoint of: 1) an owner of an estate 2) a small peasant 3) a journalist.

Central Asia of the October Revolution: Views

M.N.Roy played an important role in 'comintern' an international organisation set to promote communist revolution in the world. He was in Central Asia at the time of the civil war in the 1920s. He wrote:

'The chieftain was a benevolent old man; his attendant ... a youth who ... spoke Russian ... He had heard of the Revolution, which had overthrown the Tsar and driven away the Generals who conquered the homeland of the Kirgiz. So, the Revolution meant that the Kirgiz were masters of their home again. "Long Live the Revolution" shouted the Kirgiz youth who seemed to be a born Bolshevik. The whole tribe joined.'

M.N.Roy, Memoirs (1964).

An Indian arrives in Soviet Russia in 1920

'For the first time in our lives, we were seeing Europeans mixing freely with Asians. On seeing the Russians mingling freely with the rest of the people of the country we were convinced that we had come to a land of real equality. We saw freedom in its true light. In spite of their poverty, imposed by the counter-revolutionaries and the imperialists, the people were more jovial and satisfied than ever before. The revolution had instilled confidence and fearlessness in them. The real brotherhood of mankind would be seen here among these people of fifty different nationalities. No barriers of caste or religion hindered them from mixing freely with one another. Every soul was transformed into an orator. One could see a worker, a peasant or a soldier haranguing like a professional lecturer.'

Shaukat Usmani, Historic Trips of a Revolutionary.

state decided what has to be produced and how much. This enabled them to maintain a balance between demand and supply.

However, all this was built through an enormous centralisation of political power in the hands of the Communist Party and its leaders and denial of ordinary democratic liberties to the citizens and doing away with any opposition through the use of force including large scale execution of opposition leaders. All this was done on the plea that it was necessary to build socialism and defeat the designs of capitalist powers which were constantly trying to undermine the USSR.

The experience of the USSR inspired people all over the world who were committed to the ideals of equality and national liberation. A large number of them now became communists and tried for a communist revolution in their countries. Many of them like MN Roy, Tagore and Nehru were inspired by it even though they did not agree with many aspects of communism like suppression of opposition political parties.

Many others were also horrified by the violent elimination of opposition and denial of multiparty democracy and freedom in the USSR. George Orwell wrote his famous satire 'Animal Farm' to highlight how the ideals of Russian Revolution were compromised in USSR.



Fig 14. 3 : A poster from USSR during World War II saying “more metal more weapons”.

- Make a brief assessment of the Soviet experiment. How far was it successful in building a world based on equality, freedom and prosperity?
- Do you think it is justified to execute thousands of people for the sake of such experiments?
- What were the criticisms raised against communist system?

Rabindranath Tagore wrote from Russia in 1930

‘Moscow appears much less clean than the other European capitals. None of those hurrying along the streets look smart. The whole place belongs to the workers ... Here the masses have not in the least been put in the shade by the gentlemen ... those who lived in the background for ages have come forward in the open today ... I thought of the peasants and workers in my own country. It all seemed like the work of the Genii in the Arabian Nights. [here] only a decade ago they were as illiterate, helpless and hungry as our own masses ... Who could be more astonished than an unfortunate Indian like myself to see how they had removed the mountain of ignorance and helplessness in these few years’.

The Great Depression

The Great Depression began around the end of 1929 and lasted almost till 1939 when the Second World War began. During this decade there was a worldwide economic decline triggered by a decline in demand and fall in prices. The decline in demand led to closure of factory production which in turn meant further decline in the purchasing power of people leading to further decline in demand. This cyclical effect caused massive unemployment and decline of real incomes of ordinary people as well as governments across the world. It initially began with a stock market collapse in the US, but before long affected almost every country.

As many as 25% Americans were unemployed and nearly 33% in many other countries. As factories closed down and trade declined cities became centers of decline. This in turn caused a collapse of prices (upto 60%) for agricultural produce causing pauperisation of millions of farmers and stopping of cultivation. This was the longest and most severe economic decline faced by modern economy till today. It had devastating social consequences sharply increasing poverty, desolation, homelessness etc.

Economists and politicians have argued ever since over the causes of this decline, ways to get over it and possible ways of preventing its recurrence. Marxist economists argued that this kind of crises is an essential nature of capitalism and can be got rid of only with the establishment of socialism. On the other hand economists like JM Keynes argued that the state has a crucial role to play in keeping the economy going and if it fails to intervene effectively it can lead to situations of depression. Keynes argued that during time of economic decline when demand decreases, the state should invest funds and generate employment which will help people to earn money and demand goods in the market. This generation of demand through state action will help the economy revive. However, the governments of capitalist countries in 1920s and 1930s were reluctant to intervene in the economy and this intensified the crisis.

Roosevelt who became the President of US announced “the New Deal” which promised Relief to the victims of depression, Reform of financial institutions and steps to ensure economic Recovery (The Three Rs) by undertaking large public works. However, the real break came from the outbreak of war when state expenditure on armies and armaments suddenly increased giving a big boost to factory production and demand for farm produce. He also introduced the much needed social security system in the US. It established a permanent system of universal retirement pensions (Social Security), unemployment insurance, and welfare benefits for the handicapped and needy children in families without father present. It established the framework for the U.S. welfare system. In fact Great Britain had taken the lead in this direction even before the Depression when the war was still on. These basically consisted of unemployment insurance and old age pension schemes. At the close of the Second World War Britain too adopted extensive social security measures like unemployment doles, sickness coverage, health schemes, Child care etc. All this went on to make the idea of Welfare State in which the state ensured a certain basic



Fig 14.4 : A New Yorker offers to sell his roadster after losing his money in the stock market crash.

minimum dignified life for all citizens and took care of their most elementary needs like food, housing, health, child and old age care and education. To a large extent the state also took on the responsibility of providing employment to the able bodied citizens. In this way the state tried to mitigate the ups and downs of market based capitalism.

- Imagine yourself to be a worker who lost job suddenly and had no employment for the next few years. Write an account of a day in your life in first person.
- Imagine yourself to be a farmer who finds that the price of his crop has fallen to less than half. Write your reaction in three hundred words.
- What aspects of the Welfare State do you find functioning in India today?

Rise of Nazism in Germany

German economy faced severe crisis after the war as it was saddled with the burden of paying war damages etc. So much so that the German Government began to print currency notes on a large scale and this resulted in unheard of inflation. It is said that people had to carry currency in carts to buy one loaf of bread! USA at this stage helped to bail out Germany by giving loans and rescheduling the payment of war damages. This helped German economy to stabilise by 1928. However this was short lived as USA itself was deeply affected by the onset of the Depression in 1929 and could no longer help Germany.

The German economy was the worst hit by the Depression. By 1932, industrial production was reduced to 40 per cent of the 1929 level. Workers lost their jobs or were paid reduced wages. The number of unemployed touched an unprecedented 6 million. On the streets of Germany you could see men with placards around their necks saying, 'Willing to do any work'.

Unemployed youths played cards or simply sat at street corners, or desperately queued up at the local employment exchange. As jobs disappeared, the youth took to criminal activities and total despair became common place.

The economic crisis created deep anxieties and fears in people. The middle classes, especially salaried employees and pensioners, saw their savings diminish when the currency lost its value. Small businessmen, the self-employed and retailers suffered as their businesses got ruined. These sections of society were filled with the fear of pauperisation, an anxiety of being reduced to the ranks of the working class, or worse still, the unemployed. Only organised workers could

From Hitler's speech

Hitler argued that it is the right of the most powerful race to conquer the world; 'For this earth is not allotted to anyone nor is it presented to anyone as a gift. It is awarded by providence to people who in their hearts have the courage to conquer it, the strength to preserve it, and the industry to put it to the plough... The primary right of this world is the right to life, so far as one possesses the strength for this. Hence on the basis of this right a vigorous nation will always find ways of adapting its territory to its population size.'

Hitler, Secret Book, ed. Telford Taylor.

- Is Hitler the idea of World conquest here? Do you think world should belong to those who have power and strength alone?

Indoctrination

Nazis tried to teach their children right from the beginning in only one way of thinking. Nazi ideology of racial superiority of Germany and the greatness of Hitler and hatred for Jews and other people. How was this done?

All boys between the ages of six and ten went through a preliminary training in Nazi ideology. At the end of the training they had to take the following oath of loyalty to Hitler: 'In the presence of this blood banner which represents our Fuhrer I swear to devote all my energies and my strength to the saviour of our country, Adolf Hitler. I am willing and ready to give up my life for him, so help me God.'

From W. Shirer, *The Rise and Fall of the Third Reich*

Robert Lay, head of the German Labour Front, said:

'We start when the child is three years old. As soon as he even starts to think, he is given a little flag to wave. Then comes school, the Hitler Youth, military service. But when all this is over, we don't let go of anyone. The labour front takes hold of them, and keeps hold until they go to the grave, whether they like it or not.'

Women under Nazis

In an address to women at the Nuremberg Party Rally, 8 September 1934, Hitler said:

We do not consider it correct for the woman to interfere in the world of the man, in his main sphere. We consider it natural that these two worlds remain distinct...What the man gives in courage on the battlefield, the woman gives in eternal self-sacrifice, in eternal pain and suffering. Every child that women bring to the world is a battle, a battle waged for the existence of her people.

Hitler at the Nuremberg Party Rally, 8 September 1934, also said:

'The woman is the most stable element in the preservation of a folk...she has the most unerring sense of everything that is important to not let a race disappear because it is her children who would be affected by all this suffering in the first place...That is why we have integrated the woman in the struggle of the racial community just as nature and providence have determined so.'



Fig 14.5 : Women accused of protecting Jews being publicly punished.

- Do you agree with the view that women should confine themselves to pain and suffering of bringing up the children?
- Do you think men and women can participate equally in all aspects of life including child rearing and work in factories, offices, and fields?

manage to keep their heads above water, but unemployment weakened their bargaining power. Big business was in crisis. The large mass of peasantry was affected by a sharp fall in agricultural prices and women, unable to fill their children's stomachs, were filled with a sense of deep despair. This caused acute political instability as government after government collapsed and could not provide a stable rule.

In such a situation Nazi Party's propaganda stirred hopes of a better future. Hitler was its unquestioned leader. In 1928, the Nazi Party got no more than 2.6 per cent votes in the Reichstag – the German parliament. By 1932, it had become the largest party with 37 per cent votes.

Hitler was a powerful speaker. His passion and his words moved people. He promised to build a strong nation, undo the injustice of the Versailles Treaty and restore the dignity of the German people. He promised employment for those looking for work, and a secure future for the youth. He promised to weed out all foreign influences and resist all foreign 'conspiracies' against Germany.

Hitler devised a new style of politics. He understood the significance of rituals and spectacle in mass mobilisation. Nazis held massive rallies and public meetings to demonstrate the support for Hitler and instill a sense of unity among the people. The Red banners with the Swastika, the Nazi salute, and the ritualised rounds of applause after the speeches were all part of this spectacle of power.

Hitler mobilized his supporters on the promise of establishing the racial supremacy of Aryan Germans over the world and by targeting minority communities like the Jews as the main cause of all problems. He also attacked Communism and Capitalism terming both of them as Jewish conspiracies and promised to build a strong state which will counter both. He appealed specially to the middle class which felt threatened by capitalism and the Great Depression and at the same time was opposed to working class movement led by the Communists and Socialists.

Hitler came to power and immediately took steps to establish an undemocratic and autocratic rule and dismantle all democratic institutions like Parliament. This included arbitrary arrest of political opponents, especially the Communists and putting them in concentration camps.

Timeline



Resistance

Pastor Niemöller, a resistance fighter, observed an absence of protest, an uncanny silence, amongst ordinary Germans in the face of brutal and organised crimes committed against people in the Nazi empire. He wrote movingly about this silence:

'First they came for the Communists,
Well, I was not a Communist
So I said nothing.
Then they came for the Social Democrats,
Well, I was not a Social Democrat
So I did nothing,
Then they came for the trade unionists,
But I was not a trade unionist.
And then they came for the Jews,
But I was not a Jew – so I did little.
Then when they came for me,
There was no one left who could stand up for me.'

- Nazi ideology depended on majoritarian principles. Jews were merely 0.75 percent of the population in Germany. Apart from Jews others who opposed Nazis were also punished. How does the pastor capture this?



Fig 14.6 : Jewish slave labourers in the Buchenwald concentration camp near Jena Germany in 1945

On 3 March 1933, the famous Enabling Act was passed. This Act established dictatorship in Germany. It gave Hitler all powers to sideline Parliament and rule by decree. All political parties and trade unions were banned except for the Nazi Party and its affiliates. The state established complete control over the economy, media, army and judiciary.

Special surveillance and security forces were created to control and order society in ways that the Nazis wanted. Apart from the already existing regular police in green uniform and the SA or the Storm Troopers, these included the Gestapo (secret state police), the SS (the protection squads), criminal police and the Security Service (SD). It was the extra-constitutional powers of these newly organised forces that gave the Nazi state its reputation as the most dreaded criminal state. People could now be detained in Gestapo torture chambers, rounded up and sent to concentration camps, deported at will or arrested without any legal procedures. The police forces acquired powers to rule with impunity.

These powers were used to arrest and torture millions of political activists, trade unionists and people of minority communities and build a state of unprecedented horror and fear.

Hitler assigned the responsibility of economic recovery to the economist Hjalmar Schacht who aimed at full production and full

employment through a state-funded work-creation programme. You may recall the views of Keynes above. This project produced the famous German superhighways and the people's car, the Volkswagen. This period saw an improvement of living standards of a section of the Germans even though it meant sub-human conditions of life for those condemned by the racist regime. This was followed by heavy investment in armament industry to create further employment but this could be sustained only by going on war with the neighbours. Hitler pursued an aggressive foreign policy of recovering the territories lost after the First World War. Then by 1939 he attacked Poland and as we saw earlier this triggered off the Second World War.

As the War proceeded the Nazi regime unfolded its horrible programme of building the racial supremacy of Germans by mass extermination of minority communities.

Under the shadow of the Second World War, Germany had waged a genocidal war, which resulted in the mass murder of selected groups of innocent civilians of Europe. The number of people killed included about 6,000,000 Jews, 2,000,000 Gypsies, 10,000,000 Polish civilians, 70,000 Germans who were considered mentally and physically disabled, 10,000 homosexuals besides innumerable political opponents or people of different religious faith. Nazis devised an unprecedented means of killing people, that is, by gassing them in various killing centres like Auschwitz.

The defeat and end



The tide of initial victories scored by German armies was turned back after the defeat of the German forces in the famous Battle of Stalingrad in early 1943. Now USSR and the Allied forces closed in on Germany. Soviet forces were welcomed all over Eastern Europe as liberators from the hated Nazi rule and eventually captured Berlin, the capital of Germany. Hitler and

his close associates committed suicide to avoid being captured and tried. Eventually Germany was divided into two with the eastern part named German Democratic Republic (GDR) and the western portion named Federal Republic of Germany (FRG). The GDR came under the area of influence of USSR while the FRG came under the influence of USA.

In the far east with bombing of Hiroshima and Nagasaki Japan surrendered to

- In what ways was the Second World War a logical outcome of Hitler's ideology and economic policies?
- Why do you think Hitler wanted to target Jews as the enemy of German people?
- Find out more about "Holocaust" and Auschwitz camps and prepare a project report based on it.

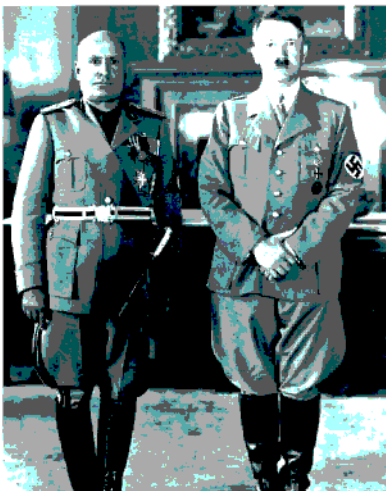
USA. US armies occupied Japan but keeping in the sentiments of Japanese allowed the Japanese Emperor to continue. But it built a Constitutional Monarchy like in England. Japan was to be ruled by the elected government responsible to the parliament (DIET).

Many of the Nazi generals and leaders were captured and put to trial in the famous Nuremberg trials. The Nuremberg Tribunal sentenced only eleven leading Nazis to death. Many others were imprisoned for life. The retribution did come, yet the punishment of the Nazis was far short of the brutality and extent of their crimes. The Allies did not want to be as harsh on defeated Germany as they had been after the First World War. In fact given the economic collapse of Germany and Japan after the war, the USA came up with Marshall Plan to fund their economic revival. Likewise the USSR came up with a package for the revival of East European countries.

The first half of the 20th century ended with the nightmare of Hiroshima and Nagasaki and with the hopes generated by the founding of the UNO. Just as the First World War saw the end of large monarchic empires the Second World War also ended with ending of large colonial empires of the Britain, France, Japan, Italy and Germany. By 1950 countries like India, China, Indonesia, Vietnam, Egypt, Nigeria etc



*Fig 14.7:
(TOP) from
left Churchill,
Roosevelt and
Stalin at Yalta
Conference*



*(Left) Two
dictators:
Mussolini and
Hitler*

became independent. Britain which was the most powerful country before the war now became a secondary power. Two new super powers emerged on the world scene, the USSR and the USA. The USSR which bore the main brunt of Hitler's war and faced enormous destruction, gradually rebuilt its economy. Its victory however, greatly enhanced its prestige in the world and it was now joined by the entire Eastern Europe and China to form a large 'Socialist Camp'.

- Compare the experiences of USSR and Germany after the First World War. What similarities and differences do you find between them?
- The experience of war and depression gave rise to many new alternative models of national development – what were these and what were their limitations?

Key words

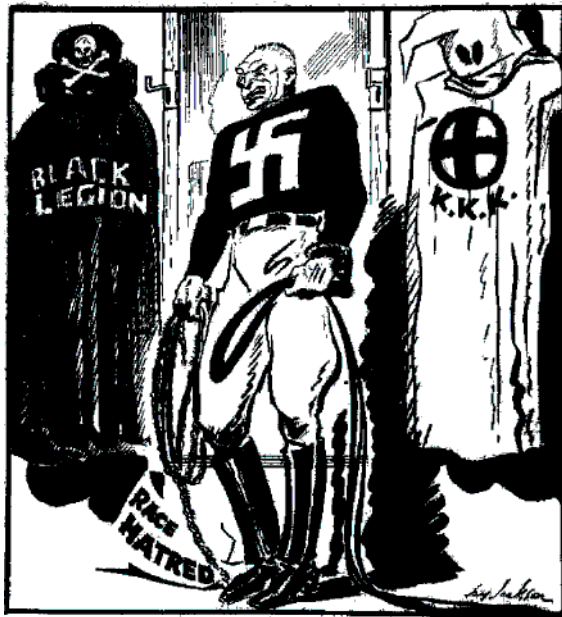
Socialism	Communism	Revolution	Centralisation of power
Bolshevik	Collectivisation	Relief – Reform – Recovery	
Welfare state	Indoctrination	Propaganda	Racial supremacy

Improve your learning

1. Russian revolution brought in many changes in their society. What were they? And what challenges did they face?
2. Compare different points of view about Great Depression, which one would you agree with? Why?
3. In what ways were Jews persecuted during the Nazi Germany? Do you think in every country some people are differentiated because of their identity?
4. List the measures taken under idea of welfare state under Great Depression and explain how similar or different they are from that of the reforms that emerged under the USSR?
5. What challenges were faced by Germany during Great Depression and how did Nazi rulers and Hitler make use of it?
6. What were the political changes brought under the Nazi rule? Often people argue that a single powerful leader can resolve the problems of a country. Based on the experiences narrated in the context of Nazi Germany how do you respond to this vision?

Project

Discuss the images given on next page. Try to collect more images regarding this period.



In cartoon 1, artist from USA points out the treatment of Jews in Germany is much like the treatment of Blacks in USA. In cartoon 2, British Prime Minister

advises to USA that Nazi Germany is not to be afraid of.



In the first cartoon on the left, Nazi Germany is shown as leading people to slavery. But as you would notice in the second cartoon many people continued to

believe the propaganda generated in Germany that were biased towards the Jews.

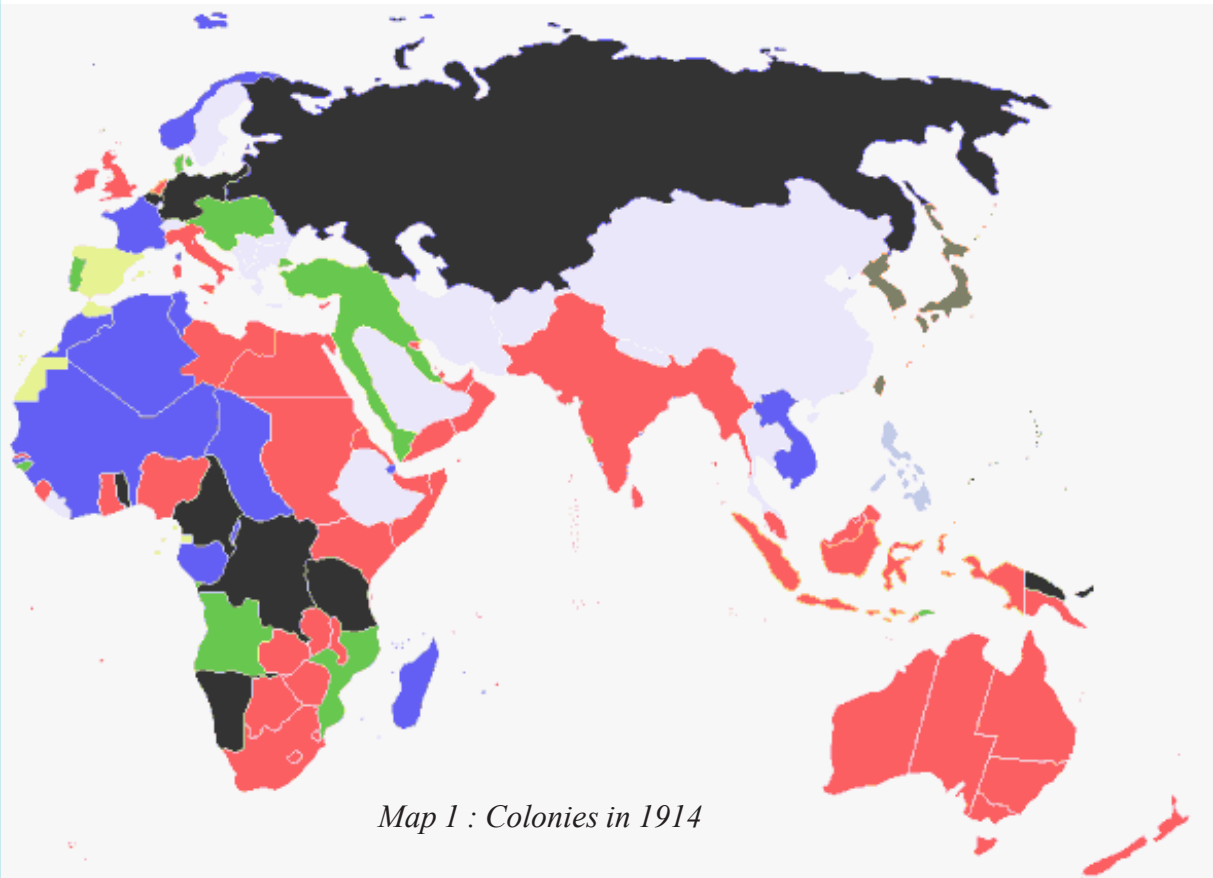


War is expensive and deeply affects the people lives. Two posters in USA were created with the aim of getting people to help their nation in fighting against the Nazi. What can you tell about the images here?

National Liberation Movements in the Colonies

Look at the map of colonies given below. In class VIII you read how European countries established control over Latin American, African and Asian countries by 19th Century. In this chapter we will read about how these countries fought for freedom. You can see the colonies of Britain coloured pink; the colonies of France coloured blue; the colonies of Holland coloured light brown. Some countries of Asia and Africa continued to be independent and these are shown in grey colour. Identify all these countries with the help of a modern map of the world.

- Identify one Asian one African colony of Britain.
- Identify one Asian one African colony of Holland.
- Identify one Asian one African colony of France.
- Identify two Asian one African country that was not colony of any power.
- Whose colony was Australia?



Map 1 : Colonies in 1914

Even independent countries like China were actually under the control of numerous colonial powers and independent only in name. In this chapter we will read about the plight of the colonies and how they began to fight against colonial domination of the European powers. Most of these countries consisted of many different kinds of people who spoke many different languages, or followed different

- Recall / revisit Class IX textbook as to what constitutes the idea of Nationalism and how it emerged.
- If the traditional rulers of these countries had fought for freedom what kind of political systems would have been created?
- In colonies which social groups have fought for freedom? And why were the ideas of equality and democracy important to them?

religions and seldom thought of themselves as one nation. The traditional rulers in almost all these countries had been kings and emperors who did not sympathise with ideas of democracy and freedom. As new movements took shape they were inspired by the new ideas prevalent in Europe, like nationalism, democracy and even socialism. We will study the experiences of some of these countries and compare them with that of our own country to understand the transformation of lives of millions of people of the colonies.

China: two different phases

At the turn of the 20th century China was ruled by emperors of Manchu dynasty, which had become powerless to defend the interests of China vis a vis the western colonial powers. These powers had carved out their ‘spheres of influence’ in different parts of China and had forced the emperors to give them economic and political concessions like low import taxes, immunity from Chinese laws, maintaining armed forces, etc. Both the common people and administrators of the empire were unhappy with this state of affairs. There were several revolts by the people and attempts at reform by the administrators.

Establishing the Republic

The Manchu empire was overthrown and a republic established in 1911 under Sun Yat-sen (1866-1925) who is regarded as the founder of modern China. He came from a poor family and studied in missionary schools where he was introduced to democracy and Christianity. He studied medicine but was greatly concerned about the fate of China. He studied the problems of China and worked out a programme of action. His programme was called the Three Principles (*San min chui*). These were: “nationalism” – this meant overthrowing the Manchu who were seen as a foreign dynasty, as well as other foreign imperialists; “democracy” or establishing democratic government; and “socialism” regulating industries and land reforms to distribute land to the landless peasants. Even though the Manchu dynasty was overthrown and a republic was declared, the republican government led by Sun-yat-sen could not consolidate itself. The country came to be controlled by regional military powers called “war lords”.

The social and political situation continued to be unstable. On 4th May 1919, an angry demonstration was held in Beijing to protest against the decisions of the Versailles peace conference. Despite being an ally of the victorious side led by Britain, China did not get back the territories seized from it by Japan. The protest became a movement, called the “May Fourth Movement”. It galvanised a whole generation to attack old tradition and to call for saving China



Fig 15.1 : People protesting in May fourth movement

through modern science, democracy and nationalism. Revolutionaries called for driving out the foreigners, who were controlling the country’s resources, to remove inequalities and reduce poverty. They advocated reforms such as the use of simple language and script, abolishing the practice of foot-binding (a cruel practice of not allowing women to have fully grown feet) and the subordination of women, equality in marriage, and economic development to end poverty.

- Why do you think young Chinese wanted to fight both against old traditional practices and against foreign powers?
- Did something similar happen in India?

After the republican revolution the country entered a period of turmoil. The Guomindang (the National People’s Party also called KMT) and the Chinese Communist Party (CCP) emerged as major forces striving to unite the country and bring stability. Sun Yat-sen’s ideas became the basis of the political philosophy of the Guomindang. They identified the ‘four great needs’ as clothing, food, housing and transportation. After the death of Sun, Chiang Kaishek (1887-1975) emerged as the leader of the Guomindang as he launched a military campaign to control the ‘warlords’, regional leaders who had usurped authority, and to eliminate the communists. He sought to militarise the nation. The people, he said, must develop a ‘habit and instinct for unified behaviour’.

The Guomindang’s social base was in urban areas. Industrial growth was slow and limited. In cities such as Shanghai, which became the centres of modern growth, by 1919 an industrial working class had appeared

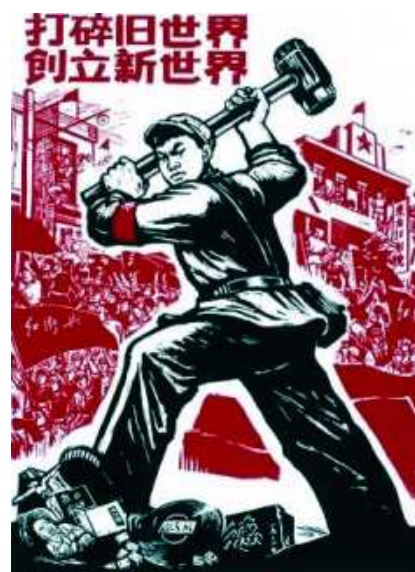


Fig 15. 2 : Poster from a later period saying “Destroy the old world, build a new world.”

numbering 5,00,000. Of these, however, only a small percentage was employed in modern industries such as ship building. Most were ‘petty urbanites’ (*xiao shimin*), traders and shopkeepers. Urban workers, particularly women, earned very low wages. They were now organising themselves into trade unions. Working hours were long and conditions of work bad. As ideas of freedom became popular, there was a growing concern with women’s rights, ways to build the family based on equality and discussions about love and romance. Social and cultural change was helped along by the spread of schools and universities (Peking University was established in 1902). Journalism flourished reflecting the growing attraction of this new thinking.

Chiang was a conservative and he encouraged women to cultivate the four virtues of ‘chastity, appearance, speech and work’ and recognise their role as confined to the household. Even the length of hemlines (frock like dress for women) was prescribed. He also tried to suppress the trade union movement to encourage factory owners. The Guomindang, despite its attempts to unite the country, failed because of its narrow social base and limited political vision. A major plank in Sun

- What were the major political parties that emerged during the period?
- Who were the members of such mobilisation?
- What was the nature of their social and economic changes that were thought of?

Yat-sen’s programme – regulating capital and equalising land – was never carried out because the party ignored the peasantry and the rising social inequalities. It sought to impose military order rather than address the problems faced by the people.

The Rise of the Communist Party of China

When the Japanese invaded China in 1937, the Guomindang retreated. The long and exhausting war weakened China. Prices rose 30 per cent per month between 1945 and 1949, and utterly destroyed the lives of ordinary people. Rural China faced two crises: one ecological, with soil exhaustion, deforestation and floods, and the second, a socio-economic one caused by exploitative land-tenure systems, indebtedness, primitive technology and poor communications.

The CCP had been founded in 1921, soon after the Russian Revolution. The Russian success exercised a powerful influence around the world and leaders such as Lenin went on to establish the Comintern in March 1918 to help bring about a world government that would end exploitation. The Comintern and the Soviet Union supported communist parties around the world but they worked within the traditional Marxist understanding that revolution would be brought about by the working class in cities. Mao Zedong (1893-1976), who emerged as a major CCP leader, took a different path by basing his revolutionary programme on the peasantry. He organised the Chinese peasants to fight for abolition of landlordism and built an army of peasants. Millions of landless peasants joined the struggle led by CCP. His success made the CCP a powerful political force that ultimately won against the

Guomindang. Mao Zedong's radical approach can be seen in Jiangxi, in the mountains, where they camped from 1928 to 1934, secure from Guomindang attacks. A strong peasants' council (soviet) was organised, united through confiscation and redistribution of land of landlords. Mao, unlike other leaders, stressed the need for an independent government and army. He had become aware of women's problems and supported the emergence of rural women's associations, promulgated a new marriage law that forbade arranged marriages, stopped purchase or sale of marriage contracts and simplified divorce.



Fig 15.3 : Mao addressing people in Yanan, 1944

The Guomindang blockade of the Communists' Soviet forced the party to seek another base. This led them to go on what came to be called the Long March (1934-35) - 6,000 gruelling and difficult miles to Shanxi. Here, in their new base in Yanan, they further developed their programme to end warlordism, carry out land reforms and fight foreign imperialism. This twin agenda of land reform and nationalisation won them a strong social base.

Japan attacked and occupied much of China between 1937 and 1945. They tried to impose a barbaric colonial militaristic rule over China which had a disastrous impact on the Chinese society and economy. Both Guomindang and CCP now tried to join forces to fight Japanese occupation. After the surrender of Japan to the US in August 1945, Guomindang and CCP engaged with each other in an all out warfare for control over China. Eventually CCP was successful in establishing its rule over mainland China while Guomindang was forced to set up its government on the island of Taiwan.

Establishing the New Democracy: 1949-1954

The Peoples Republic of China government was established in 1949. It was based on the principles of the 'New Democracy', an alliance of all social classes opposed to landlordism and imperialism. Critical areas of the economy were put under government control. Once in power the CCP carried out large scale land reform measures which meant taking away the land of landlords and distributing them among poor peasants. The new government also managed to enact laws to protect women, their rights and abolition of polygamy. This enabled women to assume new roles and enjoy equal status vis a vis men in various fields.

Land Reforms

After two years of relatively peaceful attempts at understanding rural situation, forming peasant associations etc, land reform proper was launched in 1950-1.



Fig 15.4 : People burning land records

The major steps were a class identification of all village inhabitants, followed by the confiscation and redistribution of landlord land and other productive property. A leading role in the process was played by work teams dispatched by county-level land reform committees, and one of their main functions was to set up the peasant associations and select activists from them for local leadership positions. This new leadership was predominantly drawn from the poor peasants and also middle peasants. In many areas, by virtue of their skills, middle peasants were able to dominate. In addition, the work teams sought to mobilise the entire village against the landlords through mass meetings and trials.

These methods subjected the landlords to public humiliation, and the trials also resulted in the execution of members of this class on a significant

scale, perhaps 10 to 20 lakh individuals.

As an economic reform program, land reform succeeded in redistributing about 43 percent of China's cultivated land to about 60 percent of the rural population. Poor peasants substantially increased their holdings, but middle peasants actually benefited most because of their stronger initial position.

The old elite was stripped of its economic assets and power while a new elite of village cadres emerged from the ranks of poor and middle who had been brought into political work by the CCP. A massive effort for setting up adult peasant schools to spread literacy and political education was undertaken along with the land reforms. This was also accompanied by setting up of primary schools for both young children and adults in all the villages.

- In what ways did the land reform programmes help CCP win the war?
- Compare the land reforms carried out in China with that of India. What were the similarities and differences between them?
- Do you agree with the view that equal participation of men and women and equal opportunity for them is necessary for freedom and development of the country?

It is generally agreed upon by scholars that the successful carrying out of the land reforms and universalisation of education achieved in the initial years of the revolution formed a solid basis for future development of China. The CCP rule gradually established a single party rule in which the supreme leaders or “Chariman” became all powerful. All opposition activities were disallowed.

Vietnam: Against two colonisers

The Colonial Experience

In mid 19th century Vietnam came under the direct rule of the French who retained a puppet Vietnamese emperor but virtually ruled Vietnam the way Britain ruled India. It influenced all aspects of Vietnamese life just as in India under Britain.

Exports, Landlordism and Peasants

The French were keen to develop Vietnam as an exporter of rice and for this purpose they adopted a threefold strategy – improving irrigation network, encouraging landlords and facilitating marketing of agricultural produce like rice and rubber. The French began by building canals and draining lands in the Mekong delta to increase cultivation. The vast system of irrigation works – canals and earthworks – built mainly with forced labour, increased rice production and allowed the export of rice to the international market. Vietnam exported two-thirds of its rice production and by 1931 had become the third largest exporter of rice in the world. This was followed by infrastructure projects (roads and railways) to help transport goods for trade, move military garrisons and control the entire region. Construction of a trans-Indo-China rail network that would link the northern and southern parts of Vietnam and China was begun.

The colonial economy in Vietnam was primarily based on rice cultivation and rubber plantations owned by the French and few Vietnamese elite. Bonded labour was widely used in the rubber plantations. The French did little to industrialise the economy. In the rural areas landlordism spread and large landlords took over the lands of small peasants and made them work as tenant farmers. As a result the standard of living for the peasants declined.

Decades of land expropriations and direct concessions to French colonists and the Vietnamese who sided with the French led to land being concentrated in the hands of large, wealthy landlords. Owning little or no land, Vietnamese peasants became entrenched in a cycle of debt, unable to break free from usury interest rates, exorbitant land rents, and suffocating taxes imposed by landlords who were also the village elites. Statistics on landlessness and landownership in the 1930s offer a devastating general picture of the harsh conditions faced by Vietnamese peasants. In Annam, in 1938 roughly 53% of families were completely landless. In Tonkin and Cochinchina, roughly 58% and 79% of families respectively were



Map 2 : Vietnam

completely without land. If an overwhelming majority of families that owned land were close to starvation in the 1930s, imagine what the conditions were like for landless peasants!

- Why were the railways and canals developed in Vietnam by the French?
- What was the difference between a landless peasant and landless workers?
- You read about the condition of peasants in the British rule in India. In what ways were it similar to that of Vietnam?

The peasants who rented the land of landlords had to pay rent in both share of produce and also by working on the fields and homes of the landlords and also pay different kinds of taxes imposed at will by the landlords. This forced them to borrow rice and money from the landlords and push them further into debt bondage.

The “Civilising Mission”

The French colonisers like the British were convinced that the people of the colony were uncivilised and the objective of their rule was to bring the benefits of modern civilisation. Education was seen as one way to civilise the ‘natives’. The French needed an educated local labour force but they feared that education might create problems. Once educated, the Vietnamese may begin to question colonial domination. Moreover, French citizens living in Vietnam (called colons) began fearing that they might lose their jobs – as teachers, shopkeepers, policemen – to the educated Vietnamese. So they opposed policies that would give the Vietnamese full access to French education. Even though Vietnamese language was taught in

- Try to remember the policies followed by the British in India. Compare the colonial policies followed by the British in India and the French in Vietnam. What similarities and differences do you find between them?

the primary level, all higher education was in French. Only the Vietnamese elite – comprising a small fraction of the population – could enroll in the schools, and only a few among those admitted ultimately passed the school-leaving examination. School textbooks glorified the French and justified colonial rule.

Emergence of Vietnamese Nationalism

Teachers and students did not blindly follow the curriculum given by the French. Sometimes there was open opposition, at other times there was silent resistance. As the numbers of Vietnamese teachers increased in the lower classes, it became difficult to control what was actually taught. While teaching, Vietnamese teachers quietly modified the text and criticised what was stated. Students fought against the colonial government’s efforts to prevent the Vietnamese from qualifying for white-collar jobs. They were inspired by patriotic feelings and the conviction that it was the duty of the educated to fight for the benefit of society. This brought them into conflict with the French as well as the traditional elite, since both saw their positions

threatened. By the 1920s, students were forming various political parties, such as the Party of Young Annam, and publishing nationalist journals such as the Annamese Student.

In early 20th century Vietnamese students went to Japan to acquire modern education. For many of them the primary objective was to drive out the French from Vietnam, overthrow the puppet emperor and re-establish the Nguyen dynasty that had been deposed by the French.

After the republican revolution of Sun Yat-sen in China, the Vietnamese too were inspired to establish a republican and democratic rule in Vietnam. Many students now went to China, France and later to USSR to study and learn about new political ideas.

The Great Depression of the 1930s had a profound impact on Vietnam. The prices of rubber and rice fell, leading to rising rural debts, unemployment and rural uprising. The French put these uprisings down with great severity, even using planes to bomb demonstrators.

In February 1930, Ho Chi Minh (who spent time in France and the USSR) brought together competing nationalist groups to establish the Vietnamese Communist Party (Vietnam Cong San Dang), later renamed the Indo-Chinese Communist Party. He was inspired by the militant demonstrations of the European communist parties.

In 1940 Japan occupied Vietnam, as part of its imperial drive to control Southeast Asia. So nationalists now had to fight against the Japanese as well as the French. However, the French were in a weak position as Hitler had occupied entire France in the course of the Second World War. The League for the Independence of Vietnam (Viet Nam Doc Lap Dong Minh), which came to be known as the Vietminh, fought the Japanese occupation and recaptured

Women as Rebels

Women in Vietnam traditionally enjoyed greater equality particularly among the lower classes, but they had only limited freedom to determine their future and played no role in public life.

As the nationalist movement grew, the status of women came to be questioned and a new image of womanhood emerged. Writers and political thinkers began idealising women who rebelled against social norms. In the 1930s, a famous novel by Nhat Linh caused a scandal because it showed a woman leaving a forced marriage and marrying someone of her choice, someone who was involved in nationalist politics. This rebellion against social conventions marked the arrival of the new woman in Vietnamese society.

- Why did the fall in price rice lead to the rise of rural indebtedness?
- The youth and students played an important role in the emergence of nationalism in both Vietnam and China. Discuss the similarities and differences between them.
- Why do you think land rent reduction was one of the first steps taken by the independent government in Vietnam?



Fig 15.5 : Ho Chi Minh

Hanoi in September 1945. The Democratic Republic of Vietnam was formed and Ho Chi Minh became Chairman. When the Vietminh came to power in August 1945, they immediately issued a circular for a 25% reduction in land rents, the cancellation of all secondary rents, and the cancellation of all arrears in rent owed by tenants before August 1945. They also adopted the policy of redistributing communal land and land owned by French and Vietnamese traitors.

The New Republic of Vietnam

The new republic faced a number of challenges. The French tried to regain control by using the emperor, Bao Dai, as their puppet. Faced with the French offensive, the Vietminh were forced to retreat to the hills. After eight years of fighting, the French were defeated in 1954 at Dien Bien Phu and over 16000 French soldiers and officers were taken prisoners.

In the peace negotiations in Geneva that followed the French defeat, the Vietnamese were persuaded to accept the division of the country. North and south were split: Ho Chi Minh and the communists took power in the north. The south was handed over to an old Emperor who was soon ousted by Ngo Dinh Diem. He built a repressive and authoritarian government. Anyone who opposed him was jailed. His dictatorial rule was opposed by a broad opposition united under the banner of the National Liberation Front (NLF).

In the North Vietnam till this period the Vietminh had followed a soft policy in relation to land reforms confining themselves to ensuring reduction in land rents and confiscating only the lands of landlords who openly sided with the French or the Japanese. However after 1954 a new era of land reforms was started in North Vietnam. Land of the landlords was confiscated and distributed among the land hungry landless peasants and poor peasants. This decisively won them the support of Vietnamese peasants whose long cherished dream of owning their own land was now being fulfilled.

- What would have been the impact of such land reforms on Vietnamese society? Discuss from the point of view of various social classes in the rural areas.
- Compare the nature of land reforms in China, Vietnam and India.

The Entry of the US into the War

With the help of the Ho Chi Minh government in the north, the NLF fought for the unification of the country. The US watched this alliance with fear. Worried about communists gaining power, it decided to intervene decisively, sending in troops and arms.

Agent Orange: The Deadly Poison

Agent Orange is a defoliant, a plant killer, so called because it was stored in drums marked with an orange band. Between 1961 and 1971, some 11 million gallons of this chemical was sprayed from cargo planes by US forces. Their plan was to destroy forests and fields, so that it would be easier to kill if there was no jungle cover for people to hide in. Over 14 per cent of the country's farmland was affected by this poison. Its effect has been staggering, continuing to affect people till today. Dioxin, an element of Agent Orange, is known to cause cancer and brain damage in children, and, according to a study, is also the cause of the high incidence of deformities found in the sprayed areas.

The tonnage of bombs, including chemical arms, used during the US intervention (mostly against civilian targets) in Vietnam exceeds that used throughout the Second World War.

US entry into the war marked a new phase that proved costly to the Vietnamese as well as to the Americans. From 1965 to 1972, over 34,00,000 US services personnel fought in Vietnam. Even though the US had advanced technology and good medical supplies, casualties were high. About 47,244 died in battle and 3,03,704 were wounded. (Of those wounded, 23,014 were listed by the Veterans Administration to be 100 per cent disabled.)

This phase of struggle with the US was brutal. Thousands of US troops arrived equipped with heavy weapons and tanks and backed by the most powerful bombers of the time – B52s. The wide spread attacks and use of chemical weapons – Napalm (a deadly bomb which caused intense damage to humans), Agent Orange (which destroyed plants and trees and made the land barren for a long time), and phosphorous bombs – destroyed many villages and decimated jungles. Civilians died in large numbers.



Fig 15. 6 : (a) US Army spraying chemical on trees.
b) original caption of the picture: "A Use for Everything". Girl rolling drum. The metal will later be used for manufacturing small tins and spoons.

US policy-planners underestimated the power of nationalism to move people to action, inspire them to sacrifice their home and family, live under horrific conditions, and fight for independence. They underestimated the power of a small country to fight the most technologically advanced country in the world. They also underestimated the commitment of the lakhs of poor peasants who had recently received their piece of land after generations of exploitation by landlords. These peasants inspired by nationalism and enthused by land reforms played the most crucial role in defeating the mightiest army in the world.

The effect of the war was felt within the US as well. Many were critical of the government for getting involved in a war that they saw as indefensible. When the youth were drafted for the war, the anger spread. The prolongation of the war created

- Do you think America was justified in using chemical weapons like Napalm and Agent Orange on civilian population and jungles?
- How was it possible for a small country like Vietnam to stand up the might of USA?
- What was the role of peace movement in the USA in the decision of US government to withdraw from Vietnam?

strong reactions even within the US. The widespread questioning of government policy strengthened moves to negotiate an end to the war. A peace settlement was signed in Paris in January 1974. This ended the conflict with the US but fighting between the Saigon regime and the NLF continued. The NLF occupied the presidential palace in Saigon on 30 April 1975 and finally unified Vietnam.

Nigeria: forming unity against the colonisers

We now turn to colonialism and nationalism in Africa and study Nigeria on the west coast. Locate this country on a map. Recall what you have read about this country in class VII.



British colonialism and the making of a Nation

Like elsewhere in the world, idea of nation states was new even to countries of Africa. It was often tribal identities that held the people together. Colonisers arbitrarily brought together certain areas under their control. The country we know as Nigeria today was actually created by the British by bringing together distinct regions inhabited by different tribal groups around the Niger river system. Northern Nigeria is dominated by Hausa-

Fulani people who are predominantly Muslims. The South Eastern part of Nigeria is dominated by Igbo (pronounced as *eebo*) tribes while the South Western portions are dominated by Yoruba tribes. While the southern areas are predominantly Christian due to long years of missionary activity, many people still profess tribal religious beliefs. The story of modern Nigeria is the story of conflicts between these three regions amidst attempt at building a common democratic political system. The legacy of colonialism remains with continued European control over its natural resources, especially petroleum.

The region of river Niger is one of the most populous countries of Africa, which has been suffering from different kinds of colonial rule. From the 16th century it was a major source of slaves for America. Tribal peasants were captured in the interior and sold to European slave traders. With the abolition of slave trade in 19th century a new interest developed in trade in agricultural produce of this area, especially palm oil and cocoa. The British established their rule over the coastal areas in 1861 and developed Lagos as a major centre of administration, trade and education in Western Africa. It also became the centre of resistance to colonialism and the emergence of Pan Africanism and Nigerian Nationalism.

The late 19th and early 20th centuries marked a resurgence of racism in the British colonial empire. Educated Africans were excluded from the civil service, and African entrepreneurs were discriminated against. At the same time the colonial authorities depended upon promoting tribal chiefs and elite and allowing them greater control over their people.

The colonial policy helped to promote modern education and administrative modernisation in the south while it allowed the pre-modern traditions to continue in the north. This, over the century created much regional disparity and the north was not able to develop a modern educated social strata. In 1939 the British also separated the Yoruba and Igbo regions into Western and Eastern Nigeria and encouraged competition and conflict between the three major tribal groups so as to be able to 'divide and rule' the country.

Pan Africanism

Pan Africanism is an idea which promotes the unity of all African peoples irrespective of country or tribe. This unity was to be used not only to fight colonialism and racial discrimination, but also to build unity among tribes and communities inhabiting the continent based on principles of equality, social justice and human dignity. One key person in this regard was Kwame Nkrumah, a freedom fighter from Ghana

In response to it, a section of western educated intellectuals developed the idea of a common Nigerian nation and began to fight the British rule. Herbert Macaulay founded the Nigerian National Democratic Party (NNDP), the first Nigerian political party, in 1923. The NNDP won all the seats in the elections of 1923, 1928 and 1933. In the 1930s, Macaulay

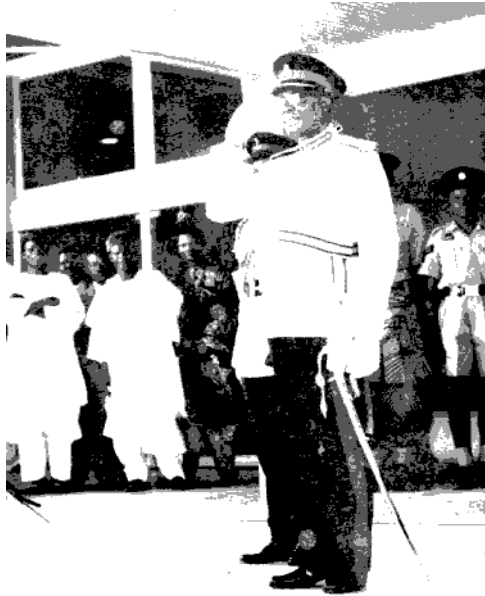


Fig 15.7 : Nnamdi Azikiwe

also supported militant attacks on the British colonial government. In 1936, The Nigerian Youth Movement (NYM) was founded by Nnamdi Azikiwe. It appealed to all Nigerians regardless of cultural background, and quickly grew to be a powerful political movement. In 1944, Macaulay and NYM leader Azikiwe agreed to form the National Council of Nigeria and the Cameroons (NCNC). Azikiwe increasingly became the dominant Nigerian nationalist leader, he supported pan-Africanism and a pan-Nigerian based nationalist movement.

Nigerian nationalism radicalised and grew in popularity and power in the post-World War II period as Nigerian economy faced difficult times. The backbone of this movement were the Nigerian soldiers who had returned from fighting for the British in the World War and the trade union leaders. In 1945 a national general strike was organised by radical nationalist trade unionists.

Nigerian nationalism had the twin task of fighting the British and also welding the very diverse and conflicting ethnic groups. The national movement was stronger in the more developed south rather than in the north and this created a north-south divide. Even in the south, nationalism was plagued by ethnic conflict between the Yoruba and the Igbos. By the 1950s these three regions also had their own anti-colonial movements led by regional parties: the conservative Northern People's Congress (NPC) in the north; the National Council for Nigeria and the Cameroons (NCNC) in the east, and the Action Group (AG) in the west.

- Discuss how do you think the idea of pan-Africanism is different from nationalism. Do you think the idea of nationalism is limiting?
- Colonial rule led to uneven development of regions in a century. In India too under the British, coastal regions like Bengal, Madras and Bombay developed faster. Why do you think such uneven development takes place?

Independence and weak democracy

Considering the wave of nationalism, the British decided to hand over power to the Nigerians and worked out a complex federal system which recognised the autonomy of the three major regions. Nigeria became independent on 1st October, 1963. Unfortunately a just and democratic balance could not be worked out and soon Nigeria slipped into civil war and military rule which largely reinforced the

domination of the north. Attempts were made repeatedly to bring in civilian and democratic governments but these failed again and again. Corruption and suppression of human rights went hand in hand with collaboration between the military regime and multinational Oil corporations which funded the corrupt rulers.



Fig 15.8 : Biafran war

After a long haul of military dictatorship, Nigerians elected a democratic government in 1999. It remains to be seen how it faces the challenges of building a democratic Nigeria.

Oil, environment and politics

Oil was discovered in 1950s in the Niger Delta and soon various multinational companies headed by the Dutch Shell company acquired rights over oil drilling. Today it is the most important resource of Nigeria. Most of the oil wells are owned by these corporations which have extracted Nigerian oil and shared part of its profits with the military rulers. But the common people have benefitted little from this. In addition, reckless oil extraction without care for the environment by foreign oil companies has created havoc in coastal environment. Oil spillage from oil wells has a major impact on the ecosystem. Large tracts of the mangrove forests, which are especially susceptible to oil (this is mainly because it is stored in the soil and re-released annually with inundation), have been destroyed. An estimated 5–10% of Nigerian mangrove ecosystems have been wiped out either by clearing or oil. Spills destroy crops and aqua culture through contamination of the groundwater and soils. Drinking water is also frequently contaminated, and a sheen of oil is visible in many local bodies of water. If the drinking water is contaminated, even if no immediate health effects are apparent, it can cause in long term cancer. Offshore spills, which are usually much greater in scale, contaminate coastal environments and cause a decline in local fish production.



Fig 15.9 : Oil Spill



Fig 15.10 : Ken Saro Wiwa

Throughout the early 1990s popular unrest grew steadily, particularly in the Niger Delta region, where various ethnic groups began demanding compensation

for years of ecological damage as well as control over their land's oil resources.

- Most of the oil resources of Nigeria are in the South Eastern region. The Igbos think that they should get the maximum share of oil profits. They object to oil wealth being used for development of the North. What do you think will be the proper and just solution to this problem?

This unrest manifested itself at the outset as peaceful activist organisations that united their members on the basis of ethnicity. The situation came to a head in 1990 when an eminent human rights activist and environmentalist Ken Saro Wiwa was executed by the military government despite international protests.

Thus you can see that Nigeria is still making efforts to weld together a nation, work out a stable democratic system and gain control over its material resources.

Key words

Land reform Landlordism New Democracy Forced labour
Chemical arms Weak democracy Pan - Africanism

Improve your learning

1. Match the following
 - o Sun Yat-sen Militarised the nation
 - o Chiang Kaishek Environmental movement
 - o Mao Zedong Nationalism Democracy and Socialism
 - o Ken Saro Wiwa Peasant revolution
2. Trace the changes in the role of women seen in China over the decades. Why is it similar or different from that of USSR and Germany?
3. After the overthrow of monarchy, China had two different types of regimes. How were they similar or different?
4. Countries discussed in the above chapter were all mostly dependent on agriculture. What were the measures taken in these countries to change these practices?
5. Who owned industries in countries discussed above and what policies were brought in to change the systems? Make a table to compare them.
6. Compare the national movement in India and Nigeria - can you explain why it was stronger in India?
7. What are the challenges faced by the independent Nigerian nation? In what ways is it similar or different from the challenges faced by independent India?
8. Unlike Vietnam or India, Nigeria did not have to struggle so hard for freedom. Can you find some explanations for this?
9. What role did schooling play in national movement of the countries discussed above?
10. Freedom struggle in these countries involved wars against the rulers. Briefly describe its impact.

Let us look at the final phase of National Movement and try to understand the situation that led to the partition of India. The people of the country faced very difficult questions and had to accept very difficult answers as the years unfolded.

Should the War be supported by Indians? 1939-42

You have read about the Second World War already. When the war started in 1939, most of the provinces of India were governed by Congress ministries. The British government had accepted the principle that the right to rule themselves must be given to Indians to an extent. The Government of India Act was passed in 1935 by the British parliament. According to this, elections may be held in provinces and governments may be formed by parties that won in the elections. However, the right to vote was given to a small section of the population - about 12 % for provincial assemblies and about 1 % for the Central assembly. When elections were held to the assemblies of the 11 provinces of British India in 1937, Congress won a comprehensive victory. Eight out of 11 provinces had a Congress “Prime Minister”, working under the supervision of a British Governor.

A difficult question arose before the Congress leaders. Should they help the British in fighting the war against Germany, Japan, Italy and other Axis forces? Britain had not even consulted them before deciding that India will participate in the war. There were reasons both for and against supporting the war.

The Congress was torn in its mind over the question. Most Congress leaders were opposed to Hitler, Mussolini and the ideology of fascism. They were determined to resist the Fascist drive to conquer other sovereign nations. The Congress expected that the British would see their double standards in the expectation that India should support them in fighting the fascists but not giving (or at least promising) India full freedom. The British realised this but, at the same

- Do you think Indians should have felt grateful to the British government for the powers given by the Act of 1935?
- Do you think the rise of Hitler was such a big threat to the freedom of humanity that Indians should have set aside their fight for freedom from the British and concentrated on the fight for a free world?
- According to you, what would be the reasons for and against supporting the British in the World War II?

LETTER TO ADOLF HITLER

HERR HITLER
BERLIN
GERMANY
DEAR FRIEND,

Friends have been urging me to write to you for the sake of humanity. But I have resisted their request, because of the feeling that any letter from me would be an impertinence. Something tells me that I must not calculate and that I must make my appeal for whatever it may be worth.

It is quite clear that you are today the one person in the world who can prevent a war which may reduce humanity to the savage state.

Must you pay that price for an object however worthy it may appear to you to be? Will you listen to the appeal of one who has deliberately shunned the method of war not without considerable success?

Anyway I anticipate your forgiveness, if I have erred in writing to you.

I remain,

Your sincere friend,

M. K. GANDHI

Source: The Collected Works of Mahatma Gandhi, Vol. 76 : 31 May, 1939 - 15 October, 1939.

- Do you think the Congress could have taken some other step to protest against the attitude of the British?
- Why did the British not make the promise and win the support of the Indians? After all, in 1939 only a promise was being asked for? Discuss together in class.
- When ministers resign, who continues to conduct the day to day affairs of governance?

time, it was hard for them to accept that they will really have to dismantle the empire they had built. There were different political parties in Britain. At the time of the War, Britain had an all-party government headed by Prime Minister Winston Churchill of the Conservative party. The Conservatives were keen to retain the empire for as long as was possible. In comparison to the Conservatives, the Labour party was more willing to help Indians attain freedom.

The British were willing to give India Dominion Status under the British Crown some time after the War but the Congress wanted a promise of full freedom. The Congress also demanded that an immediate national government should be set up at the Centre. The British

objected to this by saying that they have to also protect the interests of several other communities in India. With this they implied that Congress did not represent all Indians, like Muslims. They also implied that Congress may be ignoring the interests of many Indians and the British were required to protect these interests.

The Congress was upset at the obstinacy of the British and decided to walk out of the provincial governments. All Congress ministries resigned in October 1939 after having come to power in 1937.

The government had given itself special war time powers to maintain law and order to be able to focus on winning the war. Anyone who opposed the government could be jailed without much delay and kept imprisoned for a long time without going to court. Freedom of speech was also curtailed. Through 1940 and 1941, the Congress organised a series of individual satyagrahas to pressure the rulers to promise freedom once the war had ended. No major mass protest was launched.

- Imagine what would happen if Congress leaders stepped up protests against the British government at this point of time? Would it make the fight for freedom stronger?

Who represents the people of the country?

The British were desperate with the Indian people revolting against their rule. They looked for ways to punish the Congress and weaken its hold over the people. The British actively raised doubts about the right of the Congress to represent the people of the country. Now, they followed the 'Divide and Rule Policy' more vigorously.

Towards this end, the British government supported and encouraged the plans of the Muslim League and downplayed the importance of the Congress. It is in these years that the Muslim League and its leaders like M A Jinnah became more active in mass politics.



Fig 16.1 : Crossing Irawady river in 1945, Royal Indian Army



Fig 16.2 : Elephants Loading Supplies in C-46 Planes during Second World War in India

The Muslim League

This was a party formed in 1906. Till the 1930s it mainly represented the interests of Muslim landlords of UP and did not have much mass support. It had demanded that the British should create separate seats in all councils for which only Muslims would vote. It had argued that since the majority people in many areas were Hindus, more Hindus are likely to get elected to councils and Muslims will find it difficult to protect their interests in government. But, if a certain number

of seats were reserved for Muslims for which only the Muslim population of an area would vote, the Muslim members reaching the councils will be able to raise the concerns of Muslims. The Congress had accepted this logic and separate electorates were implemented from 1909. When provincial governments were elected in 1937, the League won 102 of the 482 Muslim seats in the country. However, the Congress had also fought elections on the Muslim seats because it believed it was a national party and not a party of only Hindus. The Congress won 26 out of the 58 Muslim seats it contested.

In 1937 the Muslim League got only 4.4 percent of the total Muslim vote cast in the elections. The Muslim League was popular in the United Provinces, Bombay and Madras. However, it was quite weak in the three provinces from which Pakistan was to be carved out just ten years later, viz. Bengal, the NWFP and the Punjab. Even in Sind it failed to form a government. But the situation changed in the next 10 years. In 1946, when elections were held again for the provincial and central assemblies, the League succeeded in winning the Muslim seats decisively.

- Discuss the importance of addressing the concerns of minorities. Why is it felt that majority based elections are not enough to help minorities?
- Separate electorate was one method to protect minority interests. Can you think of some other methods that can be helpful for this purpose? For example, would it help if there was a rule that a non Muslim member of a council must consult the Muslim population of his/ her constituency before voting on an issue that concerned them? When would such a method work and under what conditions would it fail to be effective?

What happened to Muslim consciousness in the years between 1937 and 1947? The League pointed out many issues and blamed Congress of insensitivity. For example, the Congress refused to form a coalition government with the League in the United Provinces where it too had won many seats. The Congress had banned its members from taking membership of the League. Congress members could be members of the Hindu Mahasabha before. But this was also banned from 1938, only after objections were raised by Muslim Congressmen like Maulana Azad. The League could thus create the impression that the Congress was basically a Hindu party and did not want to share power with the Muslims.

The Hindu Mahasabha and the RSS

This was the time when the Hindu Mahasabha and the Rashtriya Swayam Sewak (RSS) Sangh were engaged in active mobilisation. These organisations wished to unite all Hindus, overcome the divisions of caste and sect and reform their social

life. They also gave out the message that India was the land of the Hindus who were in a majority. Many Congressmen were also impressed with the activities of these organisations.

Congress tried hard to build a secular understanding among its members. It also tried to contact the Muslim masses and make them feel secure and remove the wrong impression that was being created in their minds by the messages and activities of organisations like the Muslim League, the Hindu Mahasabha and the RSS. Congress argued that Hindus and Muslims were not people of two different nations, but part and parcel of one Indian nation. However, the British were eagerly listening to the fears of the League about Hindu domination and suggesting ways to make the Muslims secure.

The “Pakistan” Resolution

The need to make special arrangements for governing regions where Muslims were in a majority was being felt by many people. For example, the Urdu poet Mohammad Iqbal, the writer of “*Sare Jahan Se Achha Hindustan Hamara*” spoke of a need for a “North- West Indian Muslim state” in his presidential address to the Muslim League in 1930.

The name Pakistan or Pak-stan (from Punjab, Afghan, Kashmir, Sind and Baluchistan) was coined by a Punjabi Muslim student at Cambridge, Choudhry Rehmat Ali. In pamphlets written in 1933 and 1935, this young student desired a separate national status for this new entity. No one took Rehmat Ali seriously in the 1930s, least of all the League and other Muslim leaders who dismissed his idea merely as a student’s dream.

As noted before, the failure of Congress to address the fears of domination fanned by Muslim League and the policy of ‘Divide and Rule’ followed by the British changed the political climate. On 23 March 1940, the League moved a resolution demanding a measure of autonomy for the Muslim majority areas of the subcontinent. This ambiguous resolution never mentioned partition or Pakistan. However, in later years it came to be called the Pakistan resolution. It must be noted that many alternatives were being considered by the people to solve the issues raised by the League and a new nation state of Pakistan was one among these alternatives. As discussions and negotiations started and stopped, the idea of opting for a separate nation state of Pakistan started gaining ground. The Congress also found it difficult to accommodate the demands of M A Jinnah, leader of the Muslim League.

Dr BR Ambedkar, Pakistan or the Partition of India “Introduction” 1940

It is beyond question that Pakistan is a scheme which will have to be taken into account. The Muslims will insist upon the scheme being considered... The British cannot consent to settle power upon an aggressive Hindu majority and make it its heir, leaving it to deal with the minorities at its sweet pleasure. That would not be ending imperialism. It would be creating another imperialism.

From 1940 to 1946, the League was able to convince Muslim masses of the benefits and need for a separate nation. Peasants could think of a state where Hindu zamindars and moneylenders did not exploit them. Traders, businessmen and job

- How would people assess the possible benefits from the politics of Muslim League? Would they have any doubts? What kind of questions will they have? Discuss.

seekers could think of a state where competition from Hindu traders, businessmen and job seekers would not be there. There would be greater religious freedom. There would be freedom for the Muslim elite to run the government the way they wanted. From 1942 to 1945, with most Congress leaders in jail, the League made use of the time to build its mass base.

Who Will Make the British Quit India?

By 1941 Japan had begun expanding into South East Asia and there was clear threat to Indian territories as well. The British had to get Indian people to back the war against Japan etc. In the spring of 1942, Prime Minister Churchill was persuaded to send one of his ministers, Sir Stafford Cripps, to India to try and forge a compromise with Gandhiji and the Congress. Talks broke down, however, after the Congress insisted that the Viceroy should first appoint an Indian as the Defence Member of his Executive Council.

After the failure of the Cripps Mission, Mahatma Gandhi decided to launch his third major movement against British rule. This was the “Quit India” campaign, which began in August 1942. Although Gandhiji was jailed at once, younger activists organised strikes and acts of sabotage all over the country. The young in very large numbers, left their colleges to go to jail. Particularly active in the underground resistance were socialist members of the Congress, such as Jayaprakash Narayan. In several districts, such as Satara in the west and Medinipur in the east, “independent” governments were proclaimed. The British responded with much force, yet it took more than a year to suppress the rebellion.

The Communist Party of India, in the meanwhile, decided to support the British war effort. It was alarmed at the attack on the Soviet Union by the Nazis. Realising the danger at a world level, it called the war a People’s War. On the contrary, Gandhiji felt that Indians would be able to handle Japan on their own after the British leave India.

The initial victories of Japan against the Americans and Europeans created a strong impression on the people in India. Firstly, it seemed that the European colonialists would get defeated very soon. Secondly, Japan was an Asian country and could stand up against the European colonialists. Indians felt that they too can stand up and fight against Britain decisively. The myth of the racist superiority of the British was smashed.

Subhash Chandra Bose looked at the opportunity made available by the difficulties of the British. He said that India's independence was of utmost importance and we should take the help of the Japanese to throw out the British. He went secretly to Germany and then to Japan and raised an army of Indian soldiers in 1942. Who were these soldiers? In the beginning they were soldiers in the British army and had been captured by the Japanese when the British were defeated in Burma and Malaya. They were POWs (prisoners of war). Bose recruited them in his army which he called the Indian National Army (INA). Later, other Indians also joined the army including many women. However, Gandhi did not agree with the plans of Bose and felt that the Japanese cannot be the liberators of India. But Subhash persisted in his chosen path and led an army of Indian soldiers to fight alongside the Imperial Army of Japan against the British for almost three years.



Fig 16.3 : Subhash Chandra Bose

Those were daring, dramatic and difficult times indeed. At one point it had seemed that the Allied powers were losing the war. But Russia checked the Nazi forces with the decisive victory in Stalingrad. The Allied powers regained control and eventually won the Second World War. Subhash Bose's INA was defeated by the British army. In the aftermath of this, it is not certain whether Bose disappeared or died.

In June 1944, when the war was nearing its end, the British government released Gandhiji from prison. The time was set for another round of negotiations on the question of Indian independence.

- Why did the Japanese allow Bose to recruit soldiers whom they had imprisoned?
- Why did the Indian soldiers join INA?
- Why were Indian soldiers not scared of losing the war and falling into the hands of the British? What would the British do to them?

- Review the period 1942-45. How can you say that the resistance of Indian people to British rule had become more powerful than ever before?

The popular Upsurge -1946-48

The soldiers of INA were imprisoned and the British decided to punish them. A trial of INA soldiers was begun- to court martial them for being traitors to the army and hanging them to death in punishment.

- Imagine the tragic turn of events and how these must have affected the lives of these people?
- What horror would the other Indians have felt at the thought that the INA soldiers who were like heroes to them were being tried and hanged as traitors by the British?

Unrest and unhappiness and discontent kept erupting in different parts of India as the INA trials proceeded. In this popular upsurge of nationalist consciousness, the issue of Hindu- Muslim identity and separatist politics often became unimportant. For example, many of the INA soldiers who were being tried for treason were Muslims, yet the popular anger and sympathy gave no thought to the religion of the soldiers.

If you place yourself in the years after the War ended, it will be easy to understand the situation in the country. People were restless with food shortages, rationing of food, high prices, black marketeering and hoarding. Workers were angry about low wages. Railway and postal employees and other government employees were planning to go on India wide strike against prices.



Fig 16.4 : Memorial for the Naval guards who revolted for India's freedom in 1946

On 18th February 1946, the guards or Ratings of the Royal Indian Navy in Bombay harbour came out on hunger strike to protest against bad food and behaviour of their British officers. The strike rapidly spread to other naval men on the Bombay shore and to all the naval bases in India. The rebelling men put up the tricolour, the crescent and the hammer and sickle flags jointly on the mast of the ship. A Naval Central Strike committee was elected with M S Khan at its head. The strike committee demanded better food, equal pay for white and Indian sailors, release of INA and other political prisoners, withdrawal of Indian troops from Indonesia.

78 ships, 20 shore establishments, and 20,000 Ratings took part in the strike. Hundreds of students, both Hindus and Muslims, came out on the streets of Bombay to support the cause and clashed with the police and the army. On February 22, 3 lakh mill workers put down their tools in Bombay and fought for 2 days violently on the streets with the police and the army.

The year 1946 was a year of strikes and work stoppages in factories and mills in many parts of the country. CPI and the Socialist parties were active in these movements. The countryside was also on the boil.

An agitation was started in Bengal by small and poor peasants who took land of the bigger landowners to cultivate. They demanded that their share of harvest should be increased to two portions out of three instead of half or even less, that was given to them at that time. This was called the *Tebhaga* movement and was led by the Provincial Kisan Sabha.

In Hyderabad, the Communist party led a massive movement of farmers of Telangana region. The Telangana farmers came out to oppose the large land owners and demanded that debts of farmers be written off, bonded labour be stopped and land be distributed to those who tilled it. The peasants took up arms to resist the rulers and their armies. Almost 3000 villages were part of the movement. Another armed revolt of peasants took place in Travancore in Punnapra-Vayalar.

- Review the actions of ordinary masses in the country. What were they demanding?
- It was noted that religious divisions were not important in many of these mass movements mentioned above. What could be the reason for the unity of the people in these movements?

Muslim League and Congress - negotiation for transfer of power

When political negotiations between top leaders began again in 1945, the British agreed to create an entirely Indian central Executive Council, except for the Viceroy and the Commander-in-Chief of the armed forces, as a preliminary step towards full independence. Discussions about the transfer of power broke down due to Jinnah's unrelenting demand that the League should have an absolute right to choose all the Muslim members of the Executive Council. This demand was not acceptable to others. The Congress Party had the support of most nationalist Muslims. The Unionist Party of Punjab, which had a large number of Muslim members, did not endorse Muslim League's demand. In fact Maulana Azad led the Congress Party delegation for these discussions as he was President of this party!

In 1946, elections were held for the Provincial Governments. The Muslim League won all 30 reserved constituencies in the Centre and 442 out of 509 seats in the provinces. Only as late as 1946, therefore, did the League establish itself as the dominant party among Muslim voters, seeking to vindicate its claim to be the "sole spokesperson" of India's Muslims. It had got more than 86% of the Muslim votes. In 1946, the Congress swept the general constituencies, capturing over 91 per cent of the non-Muslim vote.

- What were the demands of the Muslim League that were not acceptable to the Congress? Do you agree with the reasons of the Congress?
- According to you, what did the election results of 1946 indicate about public mood?

A possible alternative to Partition

In March 1946 the British Cabinet sent a three member mission to Delhi to examine the League's demand and to suggest a suitable political framework for a free India. This Cabinet Mission toured the country for three months and recommended a loose three-tier confederation but India was to remain united.

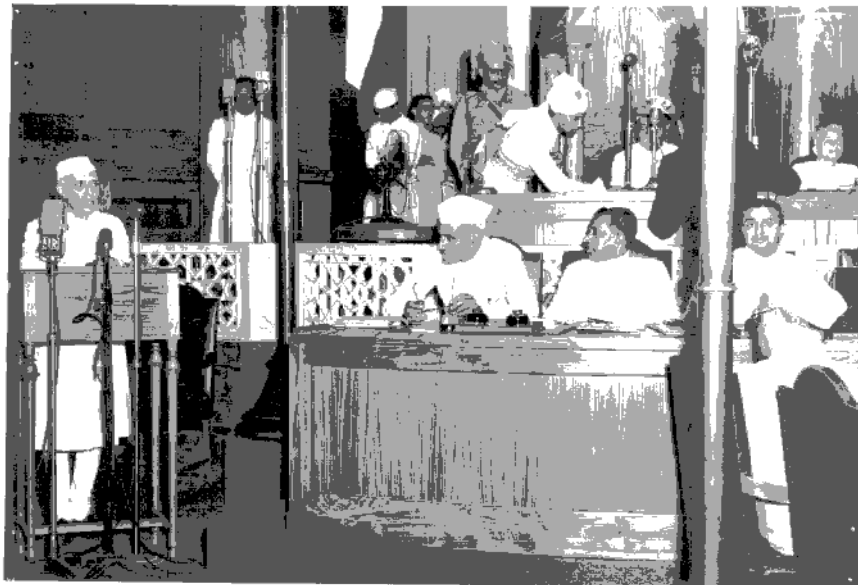


Fig 16.5 : Jawaharlal Nehru at Independence declaration

Initially, all the major parties accepted this plan. But the agreement was short-lived because it was based on mutually opposed interpretations of the plan. Ultimately, therefore, neither the League nor the Congress agreed to the Cabinet Mission's proposal.

The Muslim League decided that its demands cannot be met through discussions and it must ask people to come out on the streets. It decided on

“Direct Action” for winning its Pakistan demand and announced 16 August 1946 as “Direct Action Day”. On this day, riots broke out in Calcutta, lasting several days and leaving several thousand people dead. By March 1947, violence spread to many parts of northern India.

It was in the background of this mass violence in March 1947, the Congress high command agreed for dividing the Punjab into two halves. One half was to be with Muslim majority and the other with Hindu/ Sikh majority. Congress also agreed for the application of a similar principle to Bengal.

In February 1947, Wavell was replaced as Viceroy by Mountbatten. Mountbatten called one last round of talks to move ahead. When these too proved inconclusive he announced that British India would be freed but also divided. Muslim majority areas of Punjab, NWFP, Sind, Baluchistan and East Bengal would be made part of a new state of Pakistan. The formal transfer of power from British Government to Pakistan would be done on 14th and to India it would be done on the 15th of August, 1947. This solution was the only workable solution to end the year of riots, bloodshed and hatred that was engulfing the people.



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CALCUTTA, FRIDAY, AUGUST 15, 1947.

TWO ANNAS.

TWO DOMINIONS ARE BORN

Political Freedom For One-Fifth Of Human Race



M. S. Sir Frederick Burrows talking to Mr. S. C. Roy Chowdhury, Mayor of Calcutta, at Park Drive, while waiting for the arrival of Mr. C. Rajagopalachari, Dr. P. C. Ghose in waiting in the Govt. Building.—Staffman.

POWER ASSUMED BY INDIANS

Constituent Assembly Members Take The Oath WORK FOR COMMON PROSPERITY

From Our Special Representative
NEW DELHI, Aug. 15.—Two new Dominions, India and Pakistan, were born at zero hour today, ushering in political freedom to 400 million people, constituting one-fifth of the human race.

NO DISTURBANCE IN CALCUTTA

No incidents of a communal nature occurred in Calcutta and Howrah yesterday.

The Constituent Assembly tonight passed Pandit Nehru's resolution regarding the Oath. All the members took the Oath and then Dr. Rajendra Prasad and Pandit Nehru left for Government House to request the Governor-General.

AUGUST 15, 1947.
A special Independence Day supplement is published with this issue of The Statesman. An exhaustive article by a special correspondent on the independence which led to India's freedom appears on Page 6.



Mr. Frederick Burrows, retiring Governor of West Bengal, and Mr. C. Rajagopalachari, Chief Minister of West Bengal, photographed in Government House yesterday.—Staffman.

First Governor of W. Bengal

C. R. Sworn In This Morning

WITH the birth of the Indian Dominion (the Excellency Mr. C. Rajagopalachari assumed charge of the office of Governor of West Bengal at one o'clock (BT) this morning. Immediately afterwards Dr. P. C. Ghose, Chief Minister, West Bengal, and the members of his Cabinet were sworn in.

The ceremony took place in the Throne Room of Government House, Calcutta, in the presence of high-ranking civil and military officials and some distinguished visitors, the whole proceeding occupying a little over half an hour.

Mr. Rajagopalachari's daughter also attended. In order that the Calcutta ceremony should synchronise with the assumption ceremonies elsewhere in the Indian Dominion, the swearing-in was (Continued on page 3 column 1.)

Close Friendship with Britain

Nehru's Reply to Mr. Attlee

NEW DELHI, Aug. 15.—My colleagues in the U.K. Government just with me in sending, on this historic day, greetings and good wishes to the Government and people of India, says a message from Mr. Attlee to Pandit Nehru. He adds: "It is our earnest wish that India may go forward in tranquillity and prosperity and, in so doing, contribute to the peace and prosperity of the world."

Pandit Nehru replied: "On behalf of my colleagues in the Government of India and myself I wish to express my grateful thanks for your message of greeting on this historic day, when India emerges into freedom. This freedom means much to us, but it also means much to Asia and the world. We hope to utilize that freedom for the advancement of our own people as well as for the furtherance of the peace and prosperity of the world. In these great tasks we shall look forward to the closest cooperation with your Government."

VICOUNT MOUNTBATTEN AWARDED BARONET
LONDON, Aug. 14.—Vicount Mountbatten, Governor-General-designate of India, was today awarded a baronetcy.

Gandhi & Suhrawardy to Fast and Pray Today

Meeting Listens to Mahatma Without Interruption

By a Staff Reporter
MR Gandhi will celebrate Independence Day today, by observing a 24-hour fast and spinning and holding special prayer. All his prayer meetings had evening he invited the people to observe the day in a similar manner.

Mr. H. S. Suhrawardy and Mr. S. M. Chatterjee, Secretary, Calcutta District Muslim League, will lead with Mr. Gandhi. Mr. Gandhi and Mr. Suhrawardy meet the second day of their joint prayer session at Bellaghatta, Calcutta, yesterday.

In contrast to the hostile atmosphere of Wednesday, their residence became a place of pilgrimage for thousands of people yesterday. A large number of them were women. Both Hindus and Muslims came in a constant stream from different parts of the town to see the two leaders of the city and heard their expressions before Mr. Gandhi.

Mr. Gandhi said: "I am glad to see that the people of Calcutta are united in their prayers. At his prayer meeting a vast audience gathered in his residence yesterday. Mr. Suhrawardy also addressed a gathering."

Yesterday morning the Calcutta news of the participation of the two leaders in the fast and prayer of the Calcutta District Muslim League and the Calcutta District Hindu League was (Continued on page 3, Col. 1.)

Joyful Scenes In Calcutta

Celebrations By Hindus And Muslims

By a Staff Reporter
REMARKABLE signs of a return to communal amity after a year of bloodshed were seen in Calcutta last night and early this morning. Almost unbelievable scenes of fraternity and rejoicing were witnessed in some of the hitherto worst-affected areas of Central and North Calcutta.

The city fell in an early hour this morning, surrounded by cries of "Hindu Muslim ke Saath" ("In Hand"), "Hindu Muslim ke Saath" ("In Hand"), "Hindu Muslim ke Saath" ("In Hand"), and "Inqilab ki Jhatka" ("The blow of the Revolution").

The first signs of a return of brotherly feeling between the two communities came with the city's preparation for the assumption ceremony.

Mr. Rajagopalachari entered the Throne Room in procession for the assumption ceremony.



Mr. Rajagopalachari taking the Oath of Allegiance before Mr. Justice Mukherjee.—Staffman.

First Cabinet of India Begins to Function

Pandit Nehru Heads Dominion Ministry of Fourteen

NEW DELHI, Aug. 14.—The first Cabinet of the Indian Dominion which will function from Aug. 15, announced tonight, will be headed by Pandit Nehru. The Cabinet consists of the following Ministers: Pandit Nehru, Prime Minister, External and Commonwealth Relations, Scientific Research.

Sadar Panel: Home, Information and Broadcasting, States.
Dr. Rajendra Prasad, Food and Agriculture.
Khan Abdul Ghaffar Khan, Education.
Dr. Bhanu Prasad, Railways and Transport.
Pandit Bhaiyaji Saheb Desai, Defence.
Mr. Jaganath Ram Reddy, Law.
Mr. P. H. Thakur, Commerce.
Mr. Lal Bahadur Shastri, Communications.
Khan Sahib Iqbal Khan, Health.
Dr. Ambedkar, Labour.
Mr. Shri Ramdas Chatterjee, Finance.
Dr. Bhabha Prasad, Mines and Industries and Coal.
Mr. N. V. Gadgil, Works, Mines and Power.—(P)

INTERNATIONAL RIGHTS OF INDIAN DOMINION

NEW DELHI, Aug. 14.—The Dominion of India will be fully entitled in all international rights to which India was entitled. Moreover, the Dominion of India will continue to be a member of international organizations of which India was a member and the Dominion of Pakistan will take such steps as may be necessary to apply for membership of international organizations.

This is the substance of the Indian Independence Bill, which was passed by the Dominion of India and the Dominion of Pakistan in an agreement between the two Dominions of India and Pakistan.

(See Editorial Comment—Page 6.)



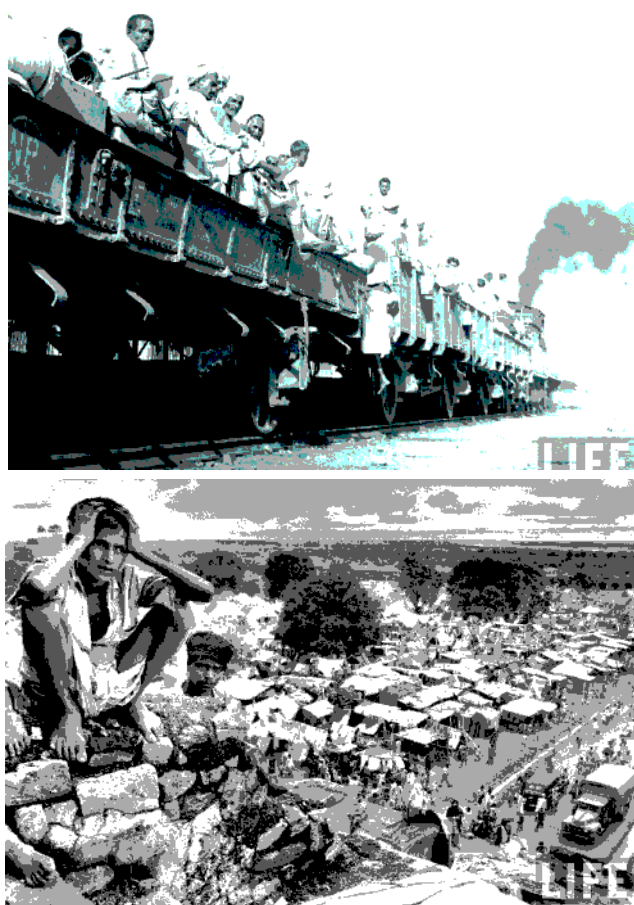
Fig 16.6 : Newspaper report on Indian Independence. What different items can you identify in it? Discuss.

Partition and migrations

With the creation of a Muslim nation, Pakistan, a painful and unimaginable situation arose before many people. Most Hindus living on one side of the newly drawn border became insecure and felt forced to leave. So did many Muslims living on the other side of this newly drawn border. Not all may have wanted this, not all may have understood why this was happening. They felt anger and hatred against each other for being forced to move out of their homes, villages and cities. Around 1.5 crore people, both Hindu and Muslim, were displaced. They killed, looted and burnt. Between two to five lakh people, both Muslim and Hindu, were killed. They became refugees, lived in relief camps, moved out on trains to find new homes. Gandhiji moved amongst riot-hit people, in camps and hospitals, spreading the message of peace and brotherhood. This was not the freedom and Swaraj he had worked so hard to achieve. The Father of the Nation fasted and did not celebrate on the first Independence Day.

At the initiative of Gandhiji and Nehru, the Congress now passed a resolution on “the rights of minorities”. The party had never accepted the “two-nation theory”; forced against its will to accept Partition, it still believed that “India is a land of many religions and many races, and must remain so”. Whatever be the situation in Pakistan, India would be “a democratic secular State” where all citizens enjoy full

rights and are equally entitled to the protection of the State, irrespective of the religion to which they belong.



*Fig 16.7 : Various scenes of partition.
Photographs published in LIFE magazine.
Photographs by Margaret Bourke-White.*



Assassination of Gandhiji

Gandhiji, the Father of this nation, was trying to bring peace to strife-torn Noakhali (in Bengal) on 15th August, 1947. He came to its capital, Delhi, only on 9 September, 1947. The old man was unhappy with the massive communal frenzy in north-western India and tried to calm fears. Yet, sections of the people were annoyed with Gandhi and his role in Indian politics then. They disturbed his all-religion prayer meetings many times. An unsuccessful attempt on his life was made two days before his actual assassination. It was on 28 January, 1948 that Gandhi said, "If I am to die by the bullet of a mad man, I must do so smiling. There must be no anger within me. God must be in my heart and on my lips."

Finally, less than six months after Independence, the Father of the Nation fell to three bullets while going out for his all-religion prayer in the evening of 30 January, 1948. As desired by him, before dying, Gandhi reportedly said, 'Hey, Ram'. His assassin, Nathuram Godse fled the scene of crime and was later apprehended at Bombay. He was once a member of Hindu Mahasabha and this led to a wave of antipathy against this organisation. Consequently, on 14th February, 1948, All India Hindu Mahasabha decided to 'suspend its political work and concentrate on real organisational work' instead. A fanatic Godse had thereby hurt his own friends and harmed his own mission.



Fig 16.8 : The Last Journey of Mahatma Gandhi

Integration of States

There existed around 550 Princely states which enjoyed different levels of sovereignty but were under British paramount power. As the British were to withdraw from India, these princely states were to become independent. They were asked to decide if they wanted to join India, Pakistan or remain independent. The ordinary people of the princely states had become aware of democratic rights through participation in Praja Mandal movements. They did not want the princely families to continue to rule over them. In Travancore and Hyderabad peasants were revolting with arms against the ruling zamindars.

The Congress supported the movements of the people of the princely states and declared that they should join India in making the new Constitution of the country. Sardar Patel was given charge of this matter in July 1947. He began discussing with the princes the necessity to join India. He even made it clear that if they did not do so, the army would have to be sent to complete the process of unification. By 15th August 1947, all states except Kashmir, Hyderabad and Junagadh had agreed to sign the Instrument of Accession with India. These three states were also made to join in the next two years.

The government of the princely states was taken over and the princes were given pension funds called privy-purse to meet their personal expenses. New administrative units were created by merging territories. The first phase of this process of creating the new states of India went on till 1956. Interestingly, in 1971, the government of India abolished the privy purses and titles used by the former princely families.

The modern India you know thus came into being. In 1947, it was a poor nation with low human development indicators and bad infrastructural facilities. Colonialism had in two centuries blocked the development of the country and tried to devastate the self-confidence of its people. Building a modern self-dependent and equitable nation in India was both a challenge and an opportunity.

Key words

Dominion status

Divide and rule

Separate electorate

Improve your learning

1. Make a table and show how different groups, and individuals in India responded to World War II. What dilemmas were faced by these groups?
2. Given the brutal manner in which particular communities like Jews and others were treated in Germany, do you think it would have been morally right to support Germany or Japan?
3. Make a list of various reasons for the Partition of the country.
4. What were the different ways in which power sharing among different communities was organised before Partition?
5. How did British colonialists practice their 'divide and rule' policy in India? How was it similar or different from what you have studied about Nigeria?
6. What were the different ways in which religion was used in politics before Partition?
7. How were workers and peasants mobilised during the last years of freedom struggle?
8. How did Partition affect the lives of ordinary people? What was the political response to mass migration following Partition?
9. Integration of various princely states into the new Indian nation was a challenging

The Making of Independent India's Constitution

Revisiting Indian Constitution

To begin with read chapter 13 in class VIII Social Studies textbook and complete the following tasks regarding the Indian Constitution:

- Task 1) Some significant contributors to the Indian Constitution were: _____; _____; _____; _____
- Task 2) What are the basic ideals of Indian Constitution as reflected in its Preamble?
- Task 3) Read the following two preambles along with the Indian Preamble and see how they are similar or different. Remember each Constitution also reflects political events around the making of their nations. Try to relate to the political events that may have influenced the thought that went into the Constitution. *(You can re-read the background of Japan in chapter 13 and look at page 234 to understand the background of Nepal.)*

Nepal Interim Constitution Preamble 2007

WE, THE SOVEREIGNTY AND STATE AUTHORITY INHERENT PEOPLE OF NEPAL, Respecting the people's mandate expressed in favour of democracy, peace and progression through historical struggles and people's movements launched by the people of Nepal at various times since before 2007 (1951) to till the date; Pledging to accomplish the progressive restructuring of the State in order to solve the problems existing in the country relating to class, ethnicity, region and gender;

Expressing our full commitment to democratic values and norms including the competitive multi-party democratic system of governance, civil liberties, fundamental rights, human rights, adult franchise, periodic elections, complete freedom of the press, independent judiciary and concepts of the rule of law;

Guarantee the basic rights of the people of Nepal to make a constitution for them on their own and to take part in a free and fair election to the Constituent Assembly in an environment without fear;

Putting democracy, peace, prosperity, progressive socio-economic transformation and sovereignty, integrity, independence and prestige of the country in the center;

Declaring Nepal as a federal, democratic, republican state upon duly abolishing the monarchy;

HEREBY DECLARE, with a view to institutionalising the achievements made through the revolutions and movements till now, the promulgation of this Interim Constitution of Nepal 2063 (2007), which has been made through a political understanding and to be in force until a new Constitution is framed by the Constituent Assembly.

Japan Constitution Preamble 1946

We, the Japanese people, acting through our duly elected representatives in the National Diet, determined that we shall secure for ourselves and our posterity the fruits of peaceful cooperation with all nations and the blessings of liberty throughout this land, and resolved that never again shall we be visited with the horrors of war through the action of government, do proclaim that sovereign power resides with the people and do firmly establish this Constitution. Government is a sacred trust of the people, the authority for which is derived from the people, the powers of which are exercised by the representatives of the people, and the benefits of which are enjoyed by the people. This is a universal principle of mankind upon which this Constitution is founded. We reject and revoke all constitutions, laws, ordinances, and rescripts in conflict herewith. We, the Japanese people, desire peace for all time and are deeply conscious of the high ideals controlling human relationship and we have determined to preserve our security and existence, trusting in the justice and faith of the peace-loving peoples of the world. We desire to occupy an honoured place in an international society striving for the preservation of peace, and the banishment of tyranny and slavery, oppression and intolerance for all time from the earth. We recognise that all people of the world have the right to live in peace, free from fear and want. We believe that no nation is responsible to itself alone, but that laws of political morality are universal; and that obedience to such laws is incumbent upon all nations who would sustain their own sovereignty and justify their sovereign relationship with other nations. We, the Japanese people, Pledge our national honour to accomplish these high ideals and purposes with all our resources.

- What do you think is similar or different in the political context of these nations? What were the immediate prior events? Who were the previous rulers?
- Which Preamble refers to the word gender?
- Which Preamble reflects the desire for peace?

- How are people movements reflected in the Preamble?
- What is similar or different for Preambles in their reflection of the past?
- What types of promises are made up about the future society in the three countries?
- What promises are made about the nature of political system?
- What promises are made to the citizen of these nations?

Background of Nepal

In 1959, the first elections were held in Nepal under a new constitution issued by King Mahendra. However, within a year the elected government was overturned, and substantial power reverted back to the King. The continuous peoples struggle for a democratic representative government finally led to elections in 1991. In these elections, the Congress party of Nepal came to power, with a huge majority. The Communist party was however not satisfied with this system of government in which the monarchy still had a dominant say. They wanted a complete overhaul of the political system and an abolition of monarchy. The movement transformed itself into an armed conflict between the pro and anti-monarchy groups. This struggle culminated in 2007 with the abolition of monarchy.

Reading debates

The Constitution of any country provides a certain basic structure and principles according to which its state would function and future of the nation would be built. Thus a Constitution has a double purpose: a) outlining the role and rights of citizens and structure and powers of the government and its organs like executive, legislature, judiciary, etc; b) indicating the nature of future society which has to be built by the joint efforts of the state and the society. The Constitution thus essentially maps the framework for the future highlighting how the current situation needs to be modified to move forward.

In Nepal the process of making of Constitution began in 2007 and it was still not completed in 2014. This was largely because different political trends of Nepal could not come to a common agreement on many basic issues. The process of making a Constitution is thus a process of debate, discussion, ironing out differences and working out a framework acceptable to all conflicting opinions. Let us see how this happened in India.

The making of Indian Constitution

The Constitution of India was prepared and adopted by the Constituent Assembly. This was the culmination of the long struggle of the Indian people for freedom from British colonial rule. As the British government decided to give freedom to the people of India, a new Constitution was needed by which the people of India can rule themselves and also set long term objectives for themselves.

For this purpose Constituent Assembly was formed in 1946 following the election to the provincial assemblies. The Constituent Assembly members were elected indirectly by

the members of the provincial assemblies. The Cabinet Mission appointed in 1946 allotted seats to each Province and each Princely State or group of States. Accordingly, Provinces or areas under direct British rule elected 292 members and all Princely States together elected 93 members. The plan also guaranteed that

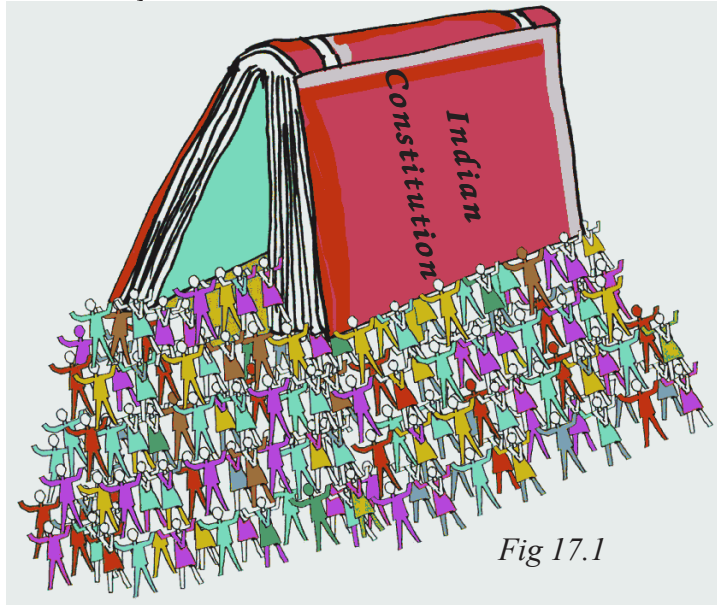


Fig 17.1

seats in each Province had members three main communities, Muslims, Sikhs and general, in proportion to their respective populations. The Council also ensured that 26 members from Scheduled Castes are represented in the Assembly. While elections were held in Provincial legislative houses, representatives of Princely States were identified through consultation. In all it had only nine women members. The Indian National Congress was the single largest party with 69% of all seats

followed by the Muslim League which had most of the seats reserved for Muslims. In the beginning it had members from all parts of British India and after 14 August 1947, as the country was partitioned between India and Pakistan, the members from Pakistan formed a separate Constituent Assembly for Pakistan.

As you can see the Constituent Assembly (CA) was not elected through universal adult franchise, but indirectly and as such did not represent all sections of Indian society. Only about 10% of the population could vote in the provincial elections then. In fact the members from the princely states were not elected at all and were decided through consultation with the concerned princely states. Such a decision was taken keeping in view the special situation that had arisen due to intense political activity on the eve of freedom and mounting tensions among the people. The princely states had not yet agreed to become part of the Indian Union and many of them



Fig 17.2 : Discuss the idea of equality and justice in this picture.

hoped to remain independent kingdoms. That is why their representatives were asked to join the Assembly. In the beginning the Muslim League members did not attend the meetings though they joined it later.

Even though the C A was not strictly representative, it took

great care to consider all shades of opinion and give wide publicity to its own work so that all kinds of people could provide their inputs through letters, writing in the newspapers, and other ways. Jawaharlal Nehru made this significant statement in the Assembly on 13th December, 1946:

“... the future of India that we have envisaged is not confined to any group or



section or province or other, but it comprises all the four hundred million people of India... there is a duty cast upon us and that is to bear the absentees in mind, to remember always that we are here not to function for one party or one group, but always to think of India as a whole and always to think of the welfare of the four hundred millions that comprise India. ...it seems to me, the time has come when we should, so far as we are capable of it, rise above our ordinary selves and party disputes and think of the great problem before us in the widest and most tolerant and most effective manner so that, whatever we may produce, should be worthy of India as a whole and should be such that the world should recognise that we have functioned, as we should have functioned, in this high adventure.”

A ‘Drafting Committee’ was set up under the chairmanship of Dr. B. R. Ambedkar and its task was to prepare the final draft taking in account all view points. Various important aspects of the Constitution were discussed in great depth and the Assembly gave broad directions on them. The final draft was presented before the CA for discussion and approval. The Constitution was finally adopted by the CA on 26th November 1949 and it came into force on 26th January 1950. In the following section we will read about some of the important debates in the CA in order to understand how some of these important provisions of Indian Constitution were arrived at.

- The Constitution of India begins with the statement, “We the people of India...”. Do you think this claim to represent all the people of India was justified?
- Do you think all people of India can participate in the formulation of Constitution for the entire country? Was it important for all people to participate actively in this process or could it have been left to some wise people?
- If a Constitution for the entire school had to be drafted, who all should be involved in it and how?

Reading Constituent Assembly Debates

Dr. BR Ambedkar presented the draft of the Constitution before the CA on 1948. Read the extracts from his speech. These are recorded in the “Proceedings of CA of India, [Certain parts of the speech have been shortened and are marked with ...]

Dr. Ambedkar begins with the process by which the draft was prepared. As the Assembly was not elected by universal suffrage, see the steps taken to ensure maximum participation of members and also general public.

Thursday, the 4th November 1948 DRAFT CONSTITUTION

The Honourable Dr. B. R. Ambedkar ...: Mr. President, Sir, I introduce the Draft Constitution as settled by the Drafting Committee and move that it be taken into consideration.

The Drafting Committee was in effect charged with the duty of preparing a Constitution in accordance with the decisions of the Constituent Assembly, on the reports made by the various Committees appointed by it such as the Union Powers Committee, the Union Constitution Committee, the Provincial Constitution Committee and the Advisory Committee on Fundamental Rights, Minorities, Tribal Areas, etc. The Constituent Assembly had also directed that in certain matters the provisions contained in the Government of India Act, 1935, should be followed. ...I hope the Drafting Committee will be found to have faithfully carried out the directions given to it.

The Draft Constitution... is a formidable document. It contains 315 Articles

- Drafting Committee was appointed roughly ____ days after the Independence.
- The Assembly first appointed special committees on specific issues like, ____, ____, and ____.
- The reports of these committees were discussed by the ____ and key decisions were taken by it.
- The ____ Committee headed by Dr. Ambedkar had to incorporate these decisions.
- The Draft also drew upon provisions of the ____ passed by the British Government.
- It was then made available to public for ____ months so that they could criticise and give their suggestions on it.
- In the Draft Constitution there were ____ Articles and ____ Schedules.

and 8 Schedules. It must be admitted that the Constitution of no country could be found to be so bulky as the Draft Constitution.

The Draft Constitution has been before the public for eight months. During this long time friends, critics and adversaries have had more than sufficient time to express their reactions to the provisions contained in it.

Now we will see how our Constitution draws from the experiences of other nations with regard to political organisation. In this presentation

Dr. B.R. Ambedkar, the chairperson highlights the process of borrowing from other Constitutions. As you read through them, try to identify the institutional structure for parliamentary government provided in the draft. Remember this presentation is being made after one year of attaining Independence.

Parliamentary system

“A student of Constitutional Law, if a copy of a Constitution is placed in his hands is sure to ask two questions. Firstly, what is the form of Government that is envisaged in the Constitution; and secondly, what is the form of the Constitution? ...I will begin with the first of the two questions.

“In the Draft Constitution there is placed at the head of the Indian Union a functionary who is called the President of the Union. The title of this functionary reminds one of the President of the United States. But beyond identity of names there is nothing in common between the form of Government prevalent in America and the form of Government proposed under the Draft Constitution. The American form of Government is called the Presidential system of Government. What the Draft Constitution proposes is the Parliamentary system. The two are fundamentally different.

“Under the Presidential system of America, the President is the Chief head of the Executive. The administration is vested in him. Under the Draft Constitution the President occupies the same position as the King under the English Constitution. He is the head of the State but not of the Executive. He represents the Nation but does not rule the Nation. He is the symbol of the nation. His place in the administration is that of a ceremonial device or a seal by which the nation's decisions are made known. Under the American Constitution the President has under him Secretaries in charge of different Departments. In like manner the President of the Indian Union will have under him Ministers in charge of different Departments of administration. Here again there is a fundamental

difference between the two. The President of the United States is not bound to accept any advice tendered to him by any of his Secretaries. The President of the Indian Union will be generally bound by the advice of his Ministers. He can do nothing contrary to their advice nor can he do any thing without their advice.

- The powers given to Indian President are more similar to _____ of _____ than _____ of _____.
- Constituent Assembly visualised that the Indian President follows the advice of _____.
- What do you think was the difference between the position of the British King and the President of India?



Fig 7.4: Dr. BR Ambedkar

The President of the United States can dismiss any Secretary at any time. The President of the Indian Union has no power to do so long as his Ministers command a majority in Parliament. ...”

Federalism

“Two principal forms of the Constitution are known to history - one is called Unitary and the other Federal. The two essential characteristics of a Unitary Constitution are: (1) the supremacy of the Central Polity [the word polity means system of government or political organisation] and (2) the absence of subsidiary Sovereign polities. Contrariwise, a Federal Constitution is marked: (1) by the existence of a Central polity and subsidiary polities side by side, and (2) by each being sovereign in the field assigned to it. In other words, Federation means the establishment of a Dual Polity [dual system of government central and state]. The Draft Constitution is, Federal Constitution inasmuch as it establishes what may be called a Dual Polity. This Dual Polity under the proposed Constitution will consist of the Union at the Centre and the States at the periphery each endowed with sovereign powers to be exercised in the field assigned to them respectively by the Constitution.

“This dual polity resembles the American Constitution. The American polity is also a dual polity, one of it is known as the Federal Government and the other States which correspond respectively to the Union Government and the State

Governments of the Draft Constitution. Under the American Constitution the Federal Government is not a mere league of the States nor are the States administrative units or agencies of the Federal Government. In the same way the Indian Constitution proposed in the Draft Constitution is not a league of States nor are the States administrative units or agencies of the Union Government. Here, however, the similarities between the Indian and the American Constitution come to an end. The differences that distinguish them are more fundamental and glaring than the similarities between the two. ...

- Under federal polity there are more than one government and in the Indian context we have them at _____ and _____ levels. You belong to _____ state while you belong to _____ nation.
- Which type of Constitution gives more powers to the governments at the Centre?
- Which type of Constitution gives definite powers to both Central and State governments?
- In what ways Indian states are not “administrative units or agencies of the Union Government”?
- Why do you think the framers of the Indian Constitution rejected the idea of dual citizenship (of India and of the state)?

“The proposed Indian Constitution is a dual polity with a single citizenship. There is only one citizenship for the whole of India. It is Indian citizenship. There is no State citizenship. Every Indian has the same rights of citizenship, no matter in what State he resides. ...

“There is another special feature of the proposed Indian Federation which distinguishes it from other federations. A Federation being a dual polity based on divided authority with separate legislative, executive and judicial powers for each of the two polities is bound to produce diversity in laws, in administration and in judicial protection. Up to a certain point this diversity does not matter. It may be welcomed as being an attempt to accommodate the powers of Government to local needs and local circumstances. But this very diversity when it goes beyond a certain point is capable of producing chaos and has produced chaos in many federal States. One has only to imagine twenty different laws - if we have twenty States in the Union - of marriage, of divorce, of inheritance of property, family relations, contracts, torts, crimes, weights and measures, of bills and cheques, banking and commerce, of procedures for obtaining justice and in the standards and methods of administration. Such a state of affairs not only weakens the State but becomes intolerant to the citizen who moves from State to State only to find that what is lawful in one State is not lawful in another. The Draft Constitution has sought to forge means and methods whereby India will have Federation and at the same time will have uniformity in all basic matters which are essential to maintain the unity of the country. The means adopted by the Draft Constitution are three

- (1) a single judiciary,
- (2) uniformity - in fundamental laws, civil and criminal, and
- (3) a common All-India Civil Service to man important posts.

“A dual judiciary, a duality of legal codes and a duality of civil services, as I said, are the logical consequences of a dual polity which is inherent in a federation. In the U. S. A. the Federal Judiciary and the State Judiciary are separate and independent of each other. The Indian Federation though a Dual Polity has no Dual Judiciary at all. The High Courts and the Supreme Court form one single integrated Judiciary having jurisdiction and providing remedies in all cases arising under the Constitutional law, the civil law or the criminal law. This is done to eliminate all diversity in all remedial procedures. Canada is the only country which furnishes a close parallel. The Australian system is only an approximation. [Explanation: In some federal countries the Supreme cannot over rule the judgements of the State courts relating to laws of the State. However in India the Supreme Court can hear appeals against the decision of any court and give judgement.]



Fig 17.5 : An Aerial view of Republic Day from 1950's

“Care is taken to eliminate all diversity from laws which are at the basis of civic and corporate life. The great Codes of Civil & Criminal Laws, such as the Civil Procedure Code, Penal Code, the Criminal Procedure Code, the Evidence Act, Transfer of Property Act, Laws

of Marriage, Divorce, and Inheritance, are either placed in the Concurrent List [or central list] so that the necessary uniformity can always be preserved without impairing the federal system.” [Explanation: The chapters on which law can be made are divided into Central list, State list, and Concurrent list. Only the Central government can make laws on the Central list and only the State Government can make the laws on the State list. Both the Central and the State Government can make laws on the Concurrent list. However in case where a State makes a law contradictory only the Central law will be valid.]

“The dual polity which is inherent in a federal system as I said is followed in all federations by a dual service. In all Federations there is a Federal Civil Service and a State Civil Service. The Indian Federation though a Dual Polity will have a Dual Service but with one exception. It is recognised that in every country there are certain posts in its administrative set up which might be called strategic from the point of view of maintaining the standard of administration. It may not be easy to spot such posts in a large and complicated machinery of administration. But there can be no doubt that the standard of administration depends upon the calibre of the Civil Servants who are appointed to these strategic posts. Fortunately for us we have inherited from the past system of administration which is common to the whole of the country and we know what these strategic posts are. The Constitution provides that without depriving the States of their right to form their own Civil Services there shall be an All India service recruited on an All- India basis with common qualifications, with uniform scale of pay and the members of which alone could be appointed to these strategic posts throughout the Union.” [Ambedkar is referring here to the creation of the Public

Service Commission (IAS, IPS) it is through with most important officials are recruited both for the State and the Central Government.]

- Can you point out the main differences between Indian federalism and American federalism?
- Does the Indian Constitution allow the states to have their own civil servants (officers)?
- Are all officials of a state from the state's civil services?
- In America the judiciary of the Central Government and the judiciary of the states are distinct and separate. In India we have a judiciary in the centre and the states – Explain.

Examples of critiquing in CA debates

There were many criticisms of the draft Constitution – some like Maulana Hasrat Mohani argued that Constitution is merely a copy of the 1935 Act. It was reminded that during the freedom movement when Cabinet Mission visited India, political groups like INC demanded Universal Adult Suffrage, and opposed 1935 Act. People like Damodar Swarup Seth a socialist pointed out that draft does not adapt from more recent Constitutions of the time like Soviet Union and ignores the centrality of villages in the Indian context. D S Seth also argued that members of the CA were not elected by adult franchise. Let us read them.

D S Seth: “Sir, our Indian Republic should have been a Union - a Union of small autonomous republics. ...The Union that would have been formed in our country in this way, would not have required so much emphasis on centralisation as our learned Dr. Ambedkar has laid. Centralisation is a good thing and is useful at times but we forget that all through his life Mahatma Gandhi emphasised the fact that too much centralisation of power makes that power totalitarian and takes it towards fascist ideals. The only method of safeguarding against totalitarianism and fascism is that power should be decentralised to the greatest extent. We would have thus brought about such a centralisation of power through welding of heart as could not be matched anywhere in the world. But the natural consequence of centralising power by law will be that our country which has all along opposed Fascism - even today we claim to strongly oppose it - will gradually move towards Fascism. ...”

- How were the ideas of Seth and Draft Committee similar or different?
- Find out what form of autonomy is now been made available to villages after the 73rd amendment of the Constitution?

Example of debate on Fundamental Rights

In the context of right to equality it was decided to legally put an end to the practice of ‘untouchability’. Let us read a part of the discussion on Fundamental Rights to understand the different view points.

Tuesday, the 29th April, 1947

Mr. President (The Hon’ble Dr. Rajendra Prasad) in the Chair.

Mr. Promatha Ranjan Thakur: Sir, ... [A] point to which I wish to refer is in relation to clause 6 regarding ‘untouchability’ where it is said that-

“Untouchability in any form is abolished and the imposition of any disability only on that account shall be an offence.”

I do not understand how you can abolish untouchability without abolishing the very caste system. Untouchability is nothing but the symptom of the disease, namely, the caste system... Unless we can do away with the caste system altogether there is no use tinkering with the problem of untouchability superficially.

S. C. Banerjee: Mr. President, the word ‘untouchability’ actually requires clarification. We have been accustomed to this word for the last 25 years, still there is a lot of confusion as to what it connotes. Sometimes it means merely taking a glass of water and sometimes it has been used in the sense of admission of ‘Harijans’ into temples, sometimes it meant inter-caste dinner, sometimes inter-caste marriage. Mahatma Gandhi who is the main exponent of ‘untouchability’, has used it in various ways and on different occasions with different meanings. So when we are going to use the word ‘untouchability’, we should be very clear in our mind as to what we really mean by it. What is the real implication of this word?

I think we should make no distinction between untouchability and caste distinction, because as Mr. Thakur has said, untouchability is merely a symptom, the root cause is caste distinction and unless and until the root cause, that is caste distinction is removed, untouchability in some form or other is bound to exist and when we are going to have an independent India, we should expect everyone to be enjoying equal social conditions.

Sri Rohini Kumar Chaudhury: ...[For] defining untouchability, it may be clearly stated that: ‘Untouchability’ means any act committed in exercise of discrimination on grounds of religion, caste or lawful vocation of life ...

Mr. K. M. Munshi: Sir, I oppose this amendment. The definition is so worded that if it is accepted, it will make any discrimination even on the ground of place of birth or caste or even sex ‘untouchability’.

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INDIA EMERGES AS REPUBLIC TODAY



Dr Soekarno, President of the United States of Indonesia, was received by Pandit Nehru and other Ministers when he arrived at the Hindustani Press, New Delhi, on Thursday. In the foreground are the Indian M.P.s. Day celebrations—Statehouse.

SOEKARNO ADDRESSES INDIAN M.P.s

CONGRATULATIONS ON BIRTH OF NEW REPUBLIC

NEW DELHI, Jan 25.—The President of the Indonesia, Dr Soekarno, addressing the members of the Indian Parliament this evening, conveyed his congratulations on India being declared a Republic.

Communists Expel British Managers

Reported Incidents Near Tavoy

BANGOR, Jan 25.—Burmese Communists have expelled the British and other managers from the Tavoy area. The reported incidents near Tavoy have led to the evacuation of British and other managers from the area. The Communists are reported to have taken control of the area and to have expelled the British and other managers from the area.

BURMA OILFIELDS WORKERS' CLAIM

BANGOR, Jan 25.—Central Burma oilfield workers through the Burma Oilfield Workers' Association and the United Labour Front Action Committee petitioned the Burmese Council of Ministers for the immediate payment of arrears of wages and other claims. The workers are reported to have been demanding the arrears of wages and other claims for a long time.

Gunmen Kill Two Policemen

Incident in Howrah Village

By a Staff Reporter
Two constables were killed and another seriously wounded when they were attacked by some gunmen in a village about 11 miles from Howrah, on Thursday evening. The gunmen are reported to have been demanding a large sum of money from the constables. The constables were reported to have been demanding a large sum of money from the constables.

Of Significance To People, Says Nehru CALL FOR UNITY AND TOLERANCE Offer Of Friendship To All Nations

NEW DELHI, Jan 26.—INDIA EMERGES TODAY AS A 'SOVEREIGN DEMOCRATIC REPUBLIC' UNDER THE NEW CONSTITUTION.

THE proclamation of India as a Republic will take place at a ceremony at 10-15 a.m. in the Durbar Hall of Government House.

"Undoubtedly, Jan 26, 1950, is a day of high significance for India and the Indian people," declared Pandit Nehru, Prime Minister, in a broadcast to the people last night.

Calling upon them "to found our republican freedom on the basic factors on which Gandhiji laid stress throughout his career—high character, integrity of mind and purpose, a spirit of tolerance and co-operation and hard work—Pandit Nehru asked them to shed fear and hatred and think always of the betterment of the millions of our people."

Pandit Nehru said: "Events crowd in upon us and because of this rapid succession we are apt to miss their significance. Some of us give messages on each occasion and some of us give messages on each occasion and some of us give messages on each occasion."

"There is a greater opportunity to welcome by our country the great future of independence in India, both now and in the future. Both now and in the future, both now and in the future, both now and in the future."

"The proclamation of the new Republic of India is a great opportunity to welcome by our country the great future of independence in India, both now and in the future. Both now and in the future, both now and in the future."

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Pandit Nehru signs the new Constitution, witness on the Constituent Assembly in New Delhi—Statehouse.

PROVINCIAL BORDERS TO BE "RATIONALIZED"

NEW DELHI, Jan 25.—Completion of the "rationalization" of the borders of the provinces and States Unions by the transfer of over 1,000 enclaves on an agreed basis was announced today.

The existence of such a large number of small enclaves of States in provincial territories and vice versa has resulted in serious administrative difficulties, says a communication issued by the Government of India.

The Government of India have published two schedules in a Gazette Extraordinary incorporating the details of the transfer of enclaves.

As an agreement has also been entered into between the Governments of Rajasthan and Madhya Pradesh, regarding the exchange of enclaves in the two States.

The main agreement was signed at New Delhi on Thursday, 24th January, 1950, by the Ministers of the two States.

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TODAY'S PROGRAMME IN CALCUTTA	
10-15 a.m.	Proclamation of the Republic and signing of the Constitution.
11-12 a.m.	Prayer at the Durbar Hall.
12-13 a.m.	Address by Pandit Nehru.
13-14 a.m.	Address by the Chief Minister.
14-15 a.m.	Address by the Governor.
15-16 a.m.	Address by the President of the Constituent Assembly.
16-17 a.m.	Address by the Vice-Chairman of the Constituent Assembly.
17-18 a.m.	Address by the Secretary of the Constituent Assembly.
18-19 a.m.	Address by the Member of the Constituent Assembly.
19-20 a.m.	Address by the Member of the Constituent Assembly.
20-21 a.m.	Address by the Member of the Constituent Assembly.
21-22 a.m.	Address by the Member of the Constituent Assembly.
22-23 a.m.	Address by the Member of the Constituent Assembly.
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98-99 a.m.	Address by the Member of the Constituent Assembly.
99-100 a.m.	Address by the Member of the Constituent Assembly.

Proclamation As Republic Ceremony This Morning

NEW DELHI, Jan 25.—India will be proclaimed a Republic tomorrow in the Durbar Hall of Government House, where a long ceremony will be held.

This ceremony is fixed for 10-15 a.m. and will be followed immediately by the installation of the President, the Vice-President and the members of the Constituent Assembly.

The ceremony will be presided over by the Prime Minister, Pandit Nehru. The Chief Minister of West Bengal, Biju Patnaik, will also be present.

The Government of India have published two schedules in a Gazette Extraordinary incorporating the details of the transfer of enclaves.

As an agreement has also been entered into between the Governments of Rajasthan and Madhya Pradesh, regarding the exchange of enclaves in the two States.

The main agreement was signed at New Delhi on Thursday, 24th January, 1950, by the Ministers of the two States.

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Hallmarks of quality

"REXINE" • "VYNIDE"

Years of manufacturing experience and technical research have produced "Rexine" and "Vynide"—the twin I.C.I. products—world famous in the leathercloth trade. Ideal for car and furniture upholstery, desk-top covering, book-binding and all similar applications.

They are colour fast, hardwearing, vermin-proof, water-proof and washable. The only maintenance they need is an occasional cleaning with soap and warm water.

"REXINE" Nitrocellulose Coated
"VYNIDE" P. V. C. Fliker Coated
Flex-Resistant

Imperial Chemical Industries (India) Ltd.
Calcutta Bombay Madras Kanpur, New Delhi Coimbatore Bangalore

Fig 17.6 : Newspaper report from 26th January 1950. What Items can you read on this page?

- What are the differences of opinion that are being raised in the above debate?
- If you were given the choice to participate in the debate, what solution would you suggest?
- Do you think it was a good idea to leave the term undefined in the Constitution? Give reasons for your argument.
- Do you agree with the view that the Constitution should have put an end to all aspects of the caste system instead of just ending untouchability? How do you think it could have been done?

Mr. Dharendra Nath Datta : Sir, it seems to me that whether the definition suggested by Mr. Rohini Kumar Chaudhury is accepted or not, it is necessary that there should be some definition put in. Here it is said that 'untouchability' in any form is an offence. A magistrate or a judge dealing with offences shall have to look to the definition. One magistrate will consider a particular thing to be untouchability, while another magistrate may hold a different thing to be untouchability, with the result there will be no

uniformity on the part of the magistracy in dealing with offences. It will be very difficult for the judge to decide cases.

Moreover, untouchability means different things in different areas. In Bengal, untouchability means one thing, while in other provinces, it means an entirely different thing.

Mr. President, ... I take it that the Union legislature will define the word 'untouchability' so that the courts might prescribe proper punishment.

[Eventually it was decided to leave the definition of untouchability out of the Constitution and leave it to the legislature to make appropriate laws in future.]

Constitution and 'social engineering'

The makers of Indian Constitution confronted the fact that Indian society was ridden with inequality, injustice and deprivation and was victim of colonial policies which had exploited its economy. Thus the Constitution had to facilitate social change and also development. Jawaharlal Nehru said the Constituent Assembly represents "the nation on a move throwing away the shell of its past political and possibly social structure and fashioning for itself a new garment in its own making".

The Constitution thus has many provisions facilitating social change. You have read about abolition of Untouchability. The best example of this is the provision for reservations for Scheduled Castes and Scheduled Tribes in the Constitution. The makers of the Constitution believed that the mere granting of the right to equality was not enough to overcome age-old injustices suffered by these groups or to give real meaning to their right to vote. Special Constitutional measures were required to advance their interests. Therefore the Constitution makers provided a number of special measures to protect the interests of Scheduled Castes and Scheduled Tribes

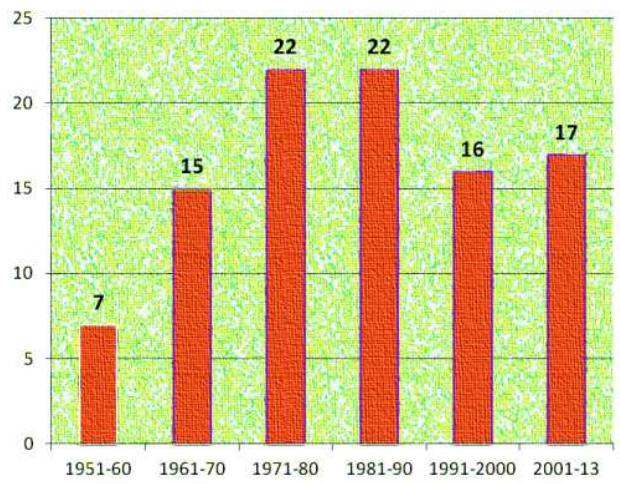
such as the reservation of seats in legislatures. The Constitution also made it possible for the government to reserve public sector jobs for these groups.

The Constitution also has in it the “Directive Principles of State Policy” which sets out main social systems before the government. One important aspects of the social engineering is the problem of the right of minorities. The sad experience of suppression of Jewish minority in Nazi Germany weighed in the minds of the Constitution makers. They decided to give special protection to the minority community so that they don’t feel marginalised by the majority. One such right is the right of religious minorities to run their own educational institutions. Such institutions may even receive government funds.

The Constitution Today

The Constitutional makers were aware that laws will have to be amended from time to time. Thus it laid down the provisions for amending the laws and the articles in the Constitution as well. Often laws can be made with approval of more than half the members in legislative houses. However, amending the articles in the Constitution can be initiated only by the Parliament. And it needs the approval of 2/3rd members in both the houses of parliament - Rajya Sabha and Lok Sabha. And some articles may be amended only with acceptance (or ratification) from the state legislature as well. It is further necessary that the President of the country also approves the new amendment bill like other laws.

Major changes in the Constitution were made during 1970s. First among them is the inclusion of two words into the Preamble of the Constitution “Secular” and “Socialist”. Many words in the preamble like “Equality”, “Liberty”, “Justice” etc emphasised the values of secularism and socialism and hence these words were added. The second major event in the life of Indian Constitution has been a Supreme Court judgement popularly known as Keshavanada Bharati case. It was argued here that certain provisions in the Indian Constitution cannot be changed under any circumstances. One among them is the Fundamental Right. In the judgement on Keshavanada Bharati case Supreme Court argued that there are certain basic principles upon which the nation continues to exist. While there have been different



Graph 1 : Since the Constitution was adopted on 26th January 1950 till 2013 nearly 99 amendments were made.

● What are the examples and explanations you can identify with basic features of Indian Constitution?

opinion on what constitutes the basic principles across judges a common listing could include the following: Form of the government; federal character; supremacy of the Constitution; sovereignty of the nation; provisions for justice and welfare state etc.

Key words

Drafting committee	Constituent Assembly	Preamble
Concurrent list	Unitary and Federal principles	Citizenship
Presidential and Parliamentary system		Amendment

Improve your learning

1. Find the odd one out:
 - Indian Constitution adopts from experiences of freedom struggle
 - Indian Constitution adopts from already existing constitutions
 - Indian Constitution has remained the same since its drafting
 - Indian Constitution provides principles and provisions for ruling the country
2. Correct the false statements:
 - There was unanimity of opinion on all provisions during CA debates
 - The makers of Constitution represented only certain regions of the country
 - Constitution provides certain provisions to amend articles in it
 - Supreme Court of India has said that basic features of Constitution may also be amended
3. Describe the unitary and federal principles of Indian government as discussed in the CA debates.
4. How does the Constitution reflect the political events of the time? Draw from previous chapters on freedom struggle.
5. What difference would it have made to the making of our Constitution if the Assembly had been elected through universal adult franchise?
6. Write a short note on basic principles of Indian Constitution.
7. How has the Constitution defined and changed political institutions in the country?
8. While Constitution provides basic principles it is the engagement of people with the system that brings in social change. Do you agree with this statement, give reasons.

Independent India (The First 30 years - 1947-77)

On the 26th of January 1950, we are going to enter into a life of contradictions. In politics we will have equality and in social and economic life we will have inequality. In politics we will be recognising the principle of one man one vote and one vote one value. In our social and economic life, we shall, by reason of our social and economic structure, continue to deny the principle of one man one value. How long shall we continue to live this life of contradictions? How long shall we continue to deny equality in our social and economic life? If we continue to deny it for long, we will do so only by putting our political democracy in peril. We must remove this contradiction at the earliest possible moment or else those who suffer from inequality will blow up the structure of political democracy which this Assembly has so laboriously built up.

- B R Ambedkar

In the previous chapter we saw how the Constitution of India was made. The Constitution sought to fulfil multiple goals simultaneously, including making democracy work, unification and creation of a single political community and bringing about massive social and economic changes. The setting of national goals and putting in place institutional mechanisms to achieve them within a relatively short span of time was undoubtedly a great achievement for a people who had been ruled by foreign power for more than two centuries.

The early years after independence, is arguably the defining period in India's post-independent history. The main challenges before the leadership was the need to maintain unity and integrity, bring about a social and economic transformation and to ensure the working of the democratic system. These challenges are interrelated and great care had to be taken to ensure that the system did not get imbalanced. For instance, development goals and unity and integrity should not

- In your opinion have we been able to achieve social equality: think of instances that you would identify as examples of social equality and inequality.

come at the cost of democracy. In this chapter we will examine three interrelated issues including how the Constitution and democracy worked and how India resolved some key issues of nation building.

First General Elections

The first general elections to be held under the new Constitution were immensely significant for Indian democracy. It represented India's determination to take the path of democracy after independence from British rule. India adopted Universal Adult franchise at one go, unlike in the West where franchise was extended in stages, first to the propertied and only subsequently to other sections of society. For instance women in Switzerland got the right to vote only in 1971.



Fig 18.1 : Voting in first general elections

The first elections were difficult because of the social dimensions also. A large section of the population did not know how to read and write. How were they going to indicate their choice? In some parts of the country, women were known by their father's or husband's name, they did not have an independent identity. This has to change if women were to have equal rights and take the country towards greater social equality. How were electoral rolls to be made? An Election Commission was set up to take care of the practical matters of conducting elections across the length and breadth of the country.

To overcome the problem of illiteracy, the Election Commission came up with a novel idea of having symbols from everyday life to represent political parties and candidates. This creative innovation dispensed with elaborate instructions and required only visual identification. This basic idea continues even today. To make it even easier, in the first election each candidate had a separate ballot box with the symbol stuck outside; the voter only had to drop their ballot paper in the box of their preferred candidate. In the run up to the elections, there was a massive campaign to encourage the voters to go out and vote.

- How do you think illiteracy affects elections, especially when it comes to exercising the choice of voting? How do you think this problem can be solved?
- Could we have considered that our country was democratic if all people did not have voting rights?
- Given the literacy rate of women being low, if women were not allowed to vote how would it affect our policies?
- Being able to conduct regular elections can be considered a clear sign of being able to establish democracy. Do you agree with this statement? Give reasons.

Description of Elections

In districts where purdah was strictly observed, separate voting booths, staffed entirely by women were usually provided.

In Ajmer a Rajput woman arrived at the polls in a heavily veiled chariot, her whole body was draped in velvet. The only part she exposed to the public gaze was the left forefinger which, as was required to prevent repeated voting, she extended to be marked with indelible ink.

Some villages voted as body. From Assam came the report of a tribal village whose members journeyed to the polling station the day before voting was to take place. They spent the night dancing and singing around large bonfires until sun-up when they marched to the booths in orderly fashion.

The people of PEPSU village solved the problem of which of the two rival candidates to support by arranging a wrestling match between two of their young men, each named to represent a candidate, having agreed that all would vote for the candidate whose representative won.

Many offerings were brought, petitions professing loyalty or begging for food and clothing were sometimes found when ballot boxes were opened.

(Extracts from “The Indian Experience with Democratic Elections” 1958 by Margaret W. Fisher and Joan V. Bondurant, Indian Press Digests.)

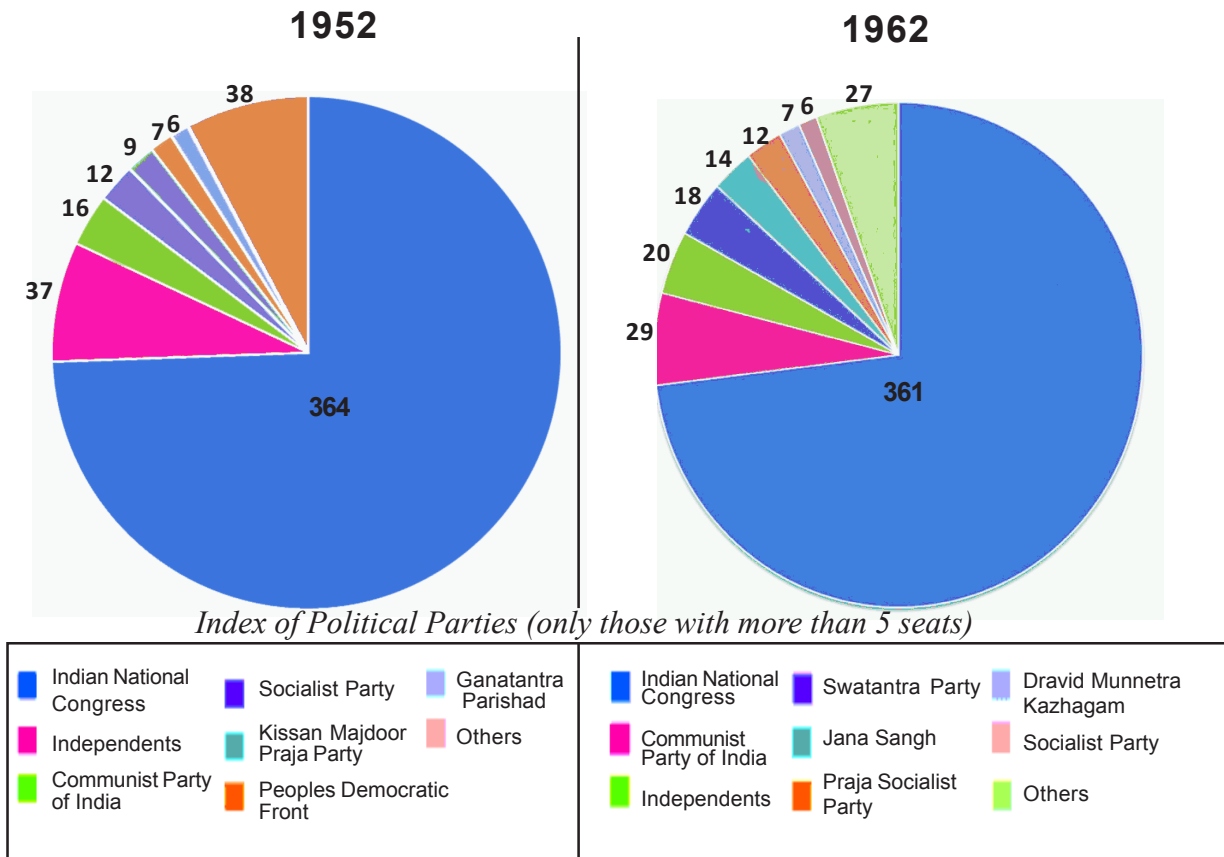
One Party Dominance in Political System

In Independent India’s first three general elections in 1952, 1957 and 1962 the Indian National Congress won reducing other participants to almost nothing. Jawaharlal Nehru became the first Prime Minister of India. None of the other parties individually got more than 11% of the votes polled. The Congress consistently won over 70% of the seats by obtaining about 45% of the total votes cast. No other party was anyway near the Congress.

The Congress party formed the government in many of the states as well. This inaugurated what some observers called the Congress System. This period is identified specifically by the nature of the relationship between the almost always ruling Congress party and the other parties. However, the Congress always had within it smaller groups. Though these groups originated on the basis of personal competition between leaders, they shared in the overall goals of the party but differed on some policy issues.

The groups took different positions on various issues depending on the interests of the members. This made the Congress appear as if it was a party representing diverse interests and positions. At times, these groups also tied up with other political parties to pressurise the leadership. This also acted as an inbuilt corrective mechanism within the ruling party. Political competition in the one-party dominant system therefore took place within the Congress. The opposition parties therefore only posed a latent and not a real threat.

Graph 1 : Seat Share of various political parties in 1952 and 1962



It was therefore not an undemocratic situation marked by the absence of other political parties. It was that the other parties which contested but were not able to win enough seats to challenge the Congress. The other political parties gradually built themselves and within a couple of decades became strong contenders for power. This period to a large extent helped nurture democracy in its early years allowing the establishment of a multi-party system based on free and open competition.

It was the strength of the Constitutional framework and the democratic foundations laid by the freedom movement which enabled Indian politics to develop a multiparty democracy. Ruling parties have often acted in a partisan manner to silence the opposition and prevent multiparty democracy from striking roots.

- Summarise features that could explain Congress was able to dominate the political system.

India's experience was therefore very different from that of other colonial countries which got freedom around the same time like Indonesia, Pakistan, China, Nigeria and so on.

Demand for State Reorganisation

Among the first challenges the new nation faced was the demand for reorganisation of states on the basis of language. During the British period, the country was divided into Presidencies (Calcutta, Madras and Bombay) and a number

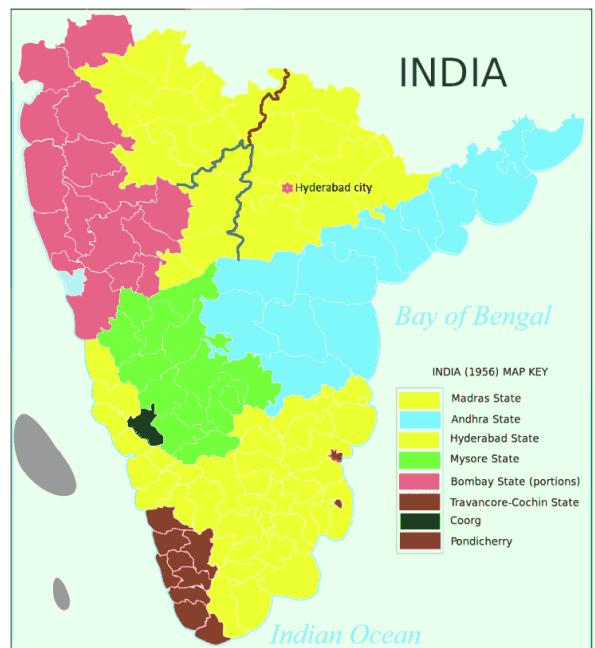
of very large states like Central Provinces and Berar. A large part of the country was under princely states. In each of these people speaking many different languages were living together. For example, Madras Presidency had in it people speaking Tamil, Malayalam, Kannada, Telugu, Gondi and Oriya languages. All people speaking a language and living in contiguous areas demanded to be organised under one state. These included the campaign for Samyukta Karnataka (uniting Kannada speakers spread across Madras, Mysore, Bombay and Hyderabad), Samyukta Maharashtra, the Mahagujarat movement, the merger of Travancore and Cochin princely states and the state of Punjab for Sikhs. Will agreeing to these demands help to build the unity of the country or will it lead to the breaking of the country along linguistic lines was the main concern?



Fig 18.2 : Jawaharlal Nehru inaugurating a road in early 1950s

The partition of the country on the basis of religion had created doubts and fears about the security and stability of India in the minds of the leadership. There was the fear that language reorganisation would lead to break up of the country. Hence, even though the Congress itself was organised on the linguistic lines and had promised to restructure the country on those lines, it developed cold feet when independence came.

The most vigorous of all the movements was that of the Telugu speakers which called upon the Congress to implement the old resolutions in favour of linguistic states. The Andhra Mahasabha had been active even during the British rule and was attempting to bring together the Telugu speaking people in the Madras presidency. This movement continued even after independence. The methods used included petitions, representations, street marches and fasts. Given the Congress opposition to this demand, the party did badly in the Telugu speaking areas in the first elections. The seats went to parties who supported the linguistic movement.



Map 1 : A graphic representation of various regions in the southern peninsula before State reorganisation.

Jawaharlal Nehru was not opposed to linguistic states; he only believed that this was not the time for it. It was also the consensual position among the leaders of the day. They believed that India was in the process of consolidating itself and there should be no distraction.

State Reorganisation Act, 1956

Potti Sriramulu demanding the formation of a separate Telugu speaking state died after 58 days of fasting in October 1952. Consequently the states of Andhra Pradesh and Tamil Nadu were created. In August 1953 the States Reorganisation Commission (SRC) was appointed with Fazl Ali, K. M. Panikkar and Hridaynath Kunzru as members to address the issue of formation of states on the basis of the linguistic principle. On the basis of its report in 1956 the States Reorganisation Act was passed in parliament. This led to the creation of 14 states and six union territories. It should be noted that when the linguistic states were being formed, the tribal languages like Gondi and Santhali or Oraon were not taken into account;

- Do you think unity of India would have been better served if linguistic states were not formed?
- Why do you think the tribal languages were ignored at this time?
- Do you know how many states and Union territories are there in India today?
- Which are the newest states of India and when were they created?

only languages like Tamil or Telugu spoken by dominant or powerful populations were considered.

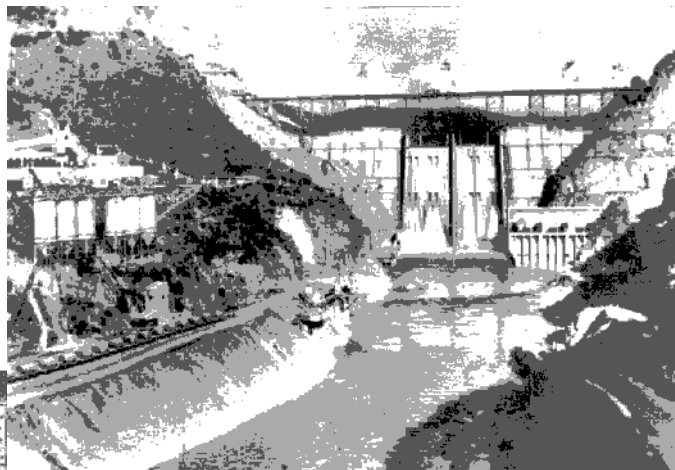
The creation of linguistic states was an example of how popular will triumphed and also showed how politics resolved a problem. Looking back today, linguistic reorganisation actually helped consolidate India and did not necessarily weaken India as expected.

Social and Economic Change

The Constituent Assembly had called for social, economic and political justice and equality of status and opportunity, it put social and economic change at the top of the agenda of modern India. The Planning Commission was set up within a month of the inauguration of the new Constitution. For Nehru planning was not only good economics but good politics as well. He hoped that planned development would dissolve the divisions of caste and religion, community and region as well as other disruptive and disintegrative tendencies and help India to emerge as a strong and modern nation.

The First Five Year Plan focussed on agriculture and stressed on the need for increasing food production, development of transport and communications and the provision of social services. It also stressed the need to industrialise India as quickly as possible. Given that food was a basic requirement, there was a consensus on increasing food production but there was no agreement on how this should be

Fig 18.3 Bhakra Dam under construction during 1960. This was one among the first dams India built after Independence. (below) Image of an adult literacy class from early decades. Discuss how different ideas of development or changes in society are reflected with these projects.



achieved. The two main questions that divided political opinion were: What place agriculture should have in the larger development strategy? How should resources be allocated between industry and agriculture?

For Nehru, agricultural transformation was not simply an economic issue, but a political, social and economic transformation of the rural sector. The strategy favoured by Nehru and finally adopted included three components: land reforms, agricultural cooperatives and local self-government. Three types of land reforms were contemplated: abolition of Zamindari system, tenancy reform and land ceilings. The primary aim of all these were to ensure that the land went to the hands of the actual tiller and this was to be an incentive for them to produce more. Cooperatives were to bring economies of scale and also provide valuable inputs like seeds, manure, fertilisers and so on. Local self-government would ensure that the land reforms were carried out and the cooperatives run according to the collective interests of the village.

Land reforms were implemented in a half hearted manner across India. While Zamindari system was abolished, redistribution of land to the landless did not take place. The rich and powerful in the rural areas continued to control most of the land. The dalits continued to be landless but benefitted from the abolition of forced labour and abolition of untouchability.

The First Five Year Plan focussed on improving agriculture by building large dams to irrigate and produce electricity. Dams benefitted both the agriculture and the industrial sector. Though there was an increase in agricultural production, it was still not sufficient to meet the needs of the population.

The planners felt that for the country to develop it was essential to develop industries so that more people can shift to towns to work in factories and in the service sector. Hence from the Second Five Year Plan onwards the emphasis shifted to industries. You would have read about these aspects of economic development of India in the earlier classes.

Foreign Policy and Wars

When India became independent the Cold War had just begun and the world was being polarised into countries in the US or USSR camp. Jawaharlal Nehru followed a policy of not joining either camp and tried to maintain an equidistant and independent position in foreign policy. He also joined hands with several other countries that had become independent around the same time and wanted to follow

- If you live in a rural area find out if institutions like cooperatives were established before 1970's and who became members in it.
- Compare the land reforms carried out in India with that of China or Vietnam.

a similar policy – Indonesia, Egypt, Yugoslavia, and so on. Together they built the Non Aligned Movement. As for the immediate neighbours he formulated the Panchsheel policy of non-interference in each other's internal affairs. However, India had to face two wars during this period, first with Pakistan over Kashmir in 1948

and with China in 1962. India was not well prepared for the wars, especially the war in 1962 and sustained heavy losses of human life and money.

The Succession

With the death of Nehru in 1964, critics raised doubts as to whether democracy itself would survive, or would it like other countries lose its democratic ethos?



Fig 18.4 : Lal Bahadur Shastri

The Congress however managed a successful transition with the choosing of Lal Bahadur Shastri as its leader in government. Shastri was immediately put to test with a series of issues which challenged the fundamental values and goals of the Indian nation. These included the Anti-Hindi agitation led by the DMK in the South, which threatened the goals of unity and integrity, the shortage of food which came in the way of social and economic transformation, besides a war with Pakistan in 1965. Indira Gandhi succeeded Shastri as Prime Minister after his untimely death in 1966.

Anti-Hindi Agitation

When the Official Languages Act was passed in 1963 the DMK believed it was an attempt to foist Hindi on the

rest of the country and they began a state-wide campaign protesting the imposition of Hindi. These included strikes, dharnas and hartals, burning effigies, Hindi books as well pages of the Constitution. Hindi signboards were also blackened in many places. There were pitched battles between the police and the agitators. The Central government had to soon take note of these protests. The Congress itself was divided between pro-Hindi and anti-Hindi camps. Some felt that the unity of the country was at stake.

Finally when things seemed to be going to out of hand, Shastri, though he supported the pro-Hindi stand, made a series of concessions to assuage the feelings of the anti-Hindi camp. These included among others, the right of each state to have a language of its own, which could be the regional language or English, communications could be in regional languages with English translations, English would continue to be the communication language between the centre and the states and that the civil service exams would be conducted in English rather than Hindi alone.

Here again we see how a popular social movement forced the government of the day to reconsider the official position. The prime minister in both cases went out of their way to ensure that things were within control, despite not being personally in favour of the stand by the agitationists. It was clear for both Nehru and Shastri; the unity of the nation came first over personal standpoints.

- How did the language policy help foster national unity and integrity?
- Is there a need for a national language?
- Should all languages have equal status?

Green revolution

The debate regarding the developmental strategy was not simply an economic one but also had political implications. While Nehru and the Left of centre group within the Congress favoured the state-controlled and institutional strategy in agriculture, there was right of centre faction which was opposed to state control. They constantly criticised the programmes and attempted to water down the proposals. Since this group was most powerful at the state level, they also ensured that most radical plans were not implemented properly.

Once it became clear that the existing strategy was not increasing food production, there was a shift to different strategy between the years 1964-67. This attempted to secure the cooperation of the state governments as well as increase food production. In a way it also reflected the changes in economic policy after the death of Nehru and also the changes in economic thinking as well.

Rise of Regional parties and Regional movements

The 1967 election was a landmark election in the history of India. It showed that elections had come to be taken very seriously and had a life of their own. By this time, there were gainers and losers from the economic development process and this changed the pattern of political competition. It was not surprising that the Congress party suffered its worst defeat till then. It was returned with the lowest majority it had since independence (284 seats). It was defeated in assemblies like Bihar, U.P., Rajasthan, Punjab, West Bengal, Orissa, Madras and Kerala. This was the first big transition in India. The party which had ruled continually for nearly 30 years was now challenged. The defeated party did not try to cling to power but allowed the victors to form the government. This showed that democracy had taken roots in India and country was moving towards a competitive multi-party system.

The prominent losses for the Congress included Tamil Nadu and Kerala. In Tamil Nadu, the DMK won by a huge margin. It also showed that strongly organised regional movements could challenge the dominant party. The DMK had strong links with the film industry and was able to galvanise fans organisations of the popular hero, M G Ramachandran popularly called MGR across the state.

The Congress also lost in neighbouring Kerala as also in West Bengal and Orissa. These defeats and challenges also weakened the Congress internally. In many states in the north, where it had won narrow victories, its members defected to opposition parties. Consequently, the Congress governments fell and they were replaced by Samyukta Vidhayak Dal (SVD) governments. These were basically a coalition of legislators against the Congress - made up Jan Sangh, Socialists, Swatantra, and Congress defectors, besides local parties.

The new governments are an important marker in India's political history because it was in a way the first democratic upsurge. It was for the first time the intermediate castes; the groups who had first benefitted from the land reforms and acquired some degree of economic standing gained political power. These castes included the Jats in Haryana and Uttar Pradesh, Kurmis and Koeris in Bihar, Lodhs in MP as well as the Yadavs in all these states; the Reddys and Kammas in Andhra Pradesh, the Vokkaligas in Karnataka and the Vellalas in Tamil Nadu. They were the dominant castes in their respective states and also had a significant numerical presence. The DMK itself is the best example of the coming to age of the other dominant (backward) castes.

Many of these SVD governments were short-lived. Their life was marked by defections and corruption. Power seemed to be the only thing that united them. These governments had nothing to showcase. However, the problem is that even today, the regional or state parties are evaluated from this standpoint.

This period saw a renewal of a regional sentiment in different parts of the country. In Andhra Pradesh there was demand for the separation of Telangana. The movement was spearheaded by students of Osmania University, whose main grouse

was that the benefits of development were going to only some sections of the state.

In Assam, a new state called Meghalaya was created in December 1969 out of the tribal districts of Khasi, Jaintia and Garo hills. Punjab, despite being formed in 1966 did not have a capital of its own. During the period 1968-69, there were a series of demonstrations asking for Chandigarh which served as the common capital of Haryana and Punjab to be given to them. In Maharashtra, there was curious demand of Bombay for Maharashtrians only. This was led by the Shiv Sena. The main target of this party was the South Indians who the party believed was cornering all the employment in the city.



Fig 18.5 : Indira Gandhi

At the same time, old demands also continued. The Kashmir and the Nagaland demands also came up during this period. Sheikh Abdullah came back to the state after he was freed from house arrest. Similarly in Nagaland, a new younger leadership came up to take the struggle forward.

This was also a period of communal tension. There were riots in different parts of the country including Ranchi (Bihar), Ahmedabad (Gujarat), Jalgaon (Maharashtra) as well as Aligarh (Uttar Pradesh). These were difficult times. A political transition has just happened and a new leadership was taking its place. The new leadership was yet to be equipped to handle the multitude of pressures that were arising as a result of the growing political awareness and articulation of demands.

Jammu and Kashmir

The circumstances under which Jammu and Kashmir acceded to the Indian union was very different from that of the other states. Unlike most other states, the ruler Hari Singh wanted the state to remain independent of both India and Pakistan. The state had a Muslim majority population and was being ruled by Hindu ruler. At around the time when India got independence, there was a popular movement, All Jammu and Kashmir Muslim conference in the state led by Sheik Muhammad Abdullah, against the Maharaja asking for greater representation of Muslims in government employment and for a representative government among other things. This movement became the National Conference and it had Hindus and Sikhs as its members. The National Conference shared many similarities with the Congress in terms of both a commitment religious harmony and socialism.

Towards the end of 1947, the state began to face an external invasion on its western borders by Razakars supported by Pakistan. With the attackers nearing Srinagar, the Maharaja requested Indian forces for the defence. The Governor General of India, however held that Indian forces would be available only after the accession of Jammu and Kashmir to India. At the same time, various options available regarding the future of the state, including being autonomous were being widely discussed.

In January 1948, India took the case to the United Nations. However, the case was not presented convincingly and the issue got transformed into a India-Pakistan question. Meanwhile, Sheik Abdullah reached what is called the Delhi Agreement, whereby Kashmiris would become full citizens of India and have greater autonomy as well as powers compared to other states of India. Most of the clauses of this agreement were intended to protect the essential characteristics of the state found place in the Constitution in the form of article 370.

At the same time, there was also an economic divide in the state which acquired a religious tone. The land reforms in the state disposed many of the landlords who happened to be Hindus, of land beyond the ceiling limits, while the major beneficiaries of this economic programme happened to be Muslims. During the period of 1950-1990 many attempts were made by the central government to reduce the autonomy of the State and bring it in line with other States. This caused a severe reaction among the people of Kashmir. This was used to ferment a movement of Independence in Kashmir in 1990s. During this period large number of Hindu families from Kashmir valley were forced to migrate to other parts of India.

Indira Gandhi took up the challenge both from within her party as well those outside by taking a sharp left turn post the 1967 elections. She attempted to create a new social base of her own and for her party by identifying with the poor and down trodden. This move was a double edged weapon. Old promises of social and economic development were yet to be fulfilled and this was seen to be the major reason for the Congress defeat in 1967. Yet, Indira was making new promises. Less than a decade later, the lack of fulfilment of rising mass expectations created frustration and disheartenment and culminated with the imposition of Emergency.

Bangladesh War

In the early 1970s trouble was brewing in East Pakistan (what is now Bangladesh) as a movement for the assertion of Bengali identity and protest against what was seen as a step-motherly treatment by West Pakistan. In the general elections, the party led by Mujibur Rahaman won, but he was arrested and taken to West Pakistan and a period of military repression of East Pakistan began. Lakhs of refugees

streamed to India which had to feed and house them. Meanwhile a liberation movement started in Bangladesh and India was asked to assist in it. In 1971 a war broke out between India and Pakistan and India decisively intervened to ensure the liberation of Bangladesh and its establishment as an independent country. India was able to do this not only because it had built up its military strength but also because it skilfully used its non-aligned position between the two super powers to ensure that they did not intervene in the war.

The left turn

Indira Gandhi charted a new path for the Congress and herself by introducing new policies and programmes. This policy also helped her get control over the party organisation.

Immediately after the victory in the War, using the popular slogan “*Garibi Hatao*” the Congress won with a record margin in the 1971 General elections and this raised the popularity of Indira Gandhi even more. The opposition was decimated, her critics were silenced and she became the darling of the masses. In the legislative assembly elections held subsequently in 1972, the Congress did well and was riding on the popularity wave of Indira Gandhi. She now had control over both the party as well as the parliament.

Among the important legislations that were passed during this period ostensibly to achieve the goal of social and economic transformation were the nationalisation of many private banks and abolishing of princely pensions. Both these legislations were challenged in the Courts and this in a way made the Court appear as if it was coming in the way of the political goals.

The judiciary however had other ideas regarding the policies and programmes. The Supreme Court was afraid that the Constitution was being amended rapidly in the name of achieving social and economic change was actually disfiguring it and unbalancing the existing relations between different institutional structures. In 1973, the Court came up with the landmark decision on the Basic Structure of the Constitution, which put a check on the governmental power to amend the Constitution.



Fig 18.6 : Family Planning Clinic in Calcutta (Kolkata).

Events beyond her control put Indira Gandhi in a spot and made it difficult for her to fulfil all her promises. Her term coincided with rather grave social and economic conditions. The 1973 Arab-Israeli war raised oil prices to an all time high and put huge pressure on the government. Inflation and the rise in prices of essential items, scarcity of food and also unemployment began to have an effect. There was a general unhappiness among large sections of the population. This gave the opposition a chance to get its act together. They began to tap into this discontent in different parts of the country. The opposition united under Jaya Prakash Narayan ran series of campaigns in different parts of the country against the Congress and especially Indira. This was the JP movement and it was very prominent in Bihar and Gujarat.

Emergency

The government reacted harshly with series of laws which violated civil rights in the name of maintaining order. The opposition also criticised the Prime Minister for personalising the government. Meanwhile, due to a decision of Allahabad High court Indira Gandhi was unseated from Lok Sabha for violating some of the provisions of the Representation of the Peoples Act during the 1971 elections. However, she got a stay from the Supreme Court.

A few days later, with the JP movement gaining more strength, the government imposed Emergency and justified it as necessary to preserve order, save democracy, protect the social and economic transformation and preserve national integrity.

With this democracy was put on hold. The government began a series of repressive measures, claiming that this was necessary to bring order in the country. Many of the fundamental rights were suspended. There were also instances of arbitrary detention, torture and other violations of civil liberties. While people welcomed control over prices rise and the campaign against black marketing and bonded labour many programmes undertaken by the emergency government such as demolition of slums and forced sterilisation in the name of population control became very unpopular. However, in the absence of civic freedom people could not express their discontent and the government therefore could not take corrective measures.

The major highlight of this period was the 42nd Constitutional Amendment which brought about a series of changes. It had the following aims: a) Excluding the courts from election disputes; b) Strengthening the central government vis-à-vis the state governments; c) Providing maximum protection from judicial challenges to social and economic transformation legislation; d) Making the judiciary subservient to parliament. While the supposed aim of the Amendment was to protect social and economic development from judiciary, strengthen national unity and so on, in reality it actually weakened the democratic fabric of this country.

Summing up

Though the first thirty years ended with Emergency, if a balance sheet were to be drawn, there would be more credits than debits.

The most important achievement of this period was the establishment of a stable democracy. The gradual emergence of a competitive multi-party system, with parties representing diverse interests was a real achievement if one were to compare India with other countries that got independence around the same time. India unlike other countries not only had regular, free and fair elections but also had genuine change of governments and leaders as well. The Indian Constitution not only guaranteed civil rights but also had an institutional architecture in place to ensure its protection.

India also set up an impressive institutional framework with independent institutions like the judiciary, Election Commission, Controller and Auditor General and so on. Bureaucratic neutrality was also an important achievement. The establishment of civilian control over the armed forces was another significant achievement. In comparison to our neighbour, Pakistan, India stands far ahead in institutions of democracy.

India has been extremely successful in holding together and maintaining its unity and integrity. India was seen a fit case for break up given its extreme diversities and the fact that it has not done so, is something of a lesson for many other countries.

In terms of economic goals, the setting up of the Planning Commission and the aim of balanced regional development is noteworthy. There was a genuine concern for the social and economically deprived sections of society. From a state of dependency for food, India gradually became self-sufficient in food production. It set up the foundation for an enviable industrial base. However, balanced regional development did not take place and some regions developed better than others. Similarly, employment opportunities also did not increase as much as they should have.

One of the greatest weaknesses was undoubtedly the low priority given to primary education and public health. This was going to haunt India for long time to come. Other countries like China and Korea which also began a new innings around the same time, did much better on these two counts as compared to India.

While the more obnoxious effects of the caste system, like untouchability were removed there still remained a large amount of discrimination. Gender discrimination continued.

Key words

State reorganisation

One party dominance

Emergency

Regional movements

Nationalisation

Improve your learning

1. Identify statement or statements in bracket that are relevant to statements in italics on left
 - a) *political equality can be identified with* (right to get admission in any school, principle of one person one vote, right to be enter any religious worship place)
 - b) *universal adult franchise in the Indian context meant* (allowing all people to vote for any political party, allowing all people to vote in elections, allowing all people to vote for Congress party)
 - c) *Congress dominance would include* (being able to attract people from various ideologies; being able to win most state, assembly seats after elections; being able to use police force during election)
 - d) *Emergency imposed* (restrictions on people's rights; ensured eradication of poverty; accepted by all political parties)
2. What measures were taken to bring in socio-economic change during the initial years after independence?
3. What do you understand about one party dominance? Would you consider it as dominance only in elections or also in terms of ideology? Discuss with reasons.
4. Language became a central rallying point in Indian politics on many occasions, either as unifying force or as divisive element. Identify these instances and describe them.
5. What were the major changes in political system after 1967 elections?
6. Think of other ways in which states could have been created and how would they be better than language based reorganisation.
7. What measures of Indira Gandhi are called 'left turn'? How do you think this was different from polices of previous decades? Based on your economics chapters describe how it is different from the current policies.
8. In what ways was the Emergency period a set back to the Indian democracy?
9. What were the institutional changes that came up after the Emergency?

Emerging Political Trends 1977 to 2000

- Write a brief summary of political events discussed about in the previous chapter on Independent India.

In this chapter we will look more closely at political events in contemporary India. Many of these events and issues have sharply divided and even polarised the political landscape of this country. We will see the transformation of the party system with the emergence of a competitive multi-party system. As a result of this change in the party system, no single party was able to form a government on its own and we have a series of coalition governments. In the economic sphere, this period brings about a major shift in the development strategy. The tension between the economics of market and the politics of democracy begins to play itself out during this period. At the same time, old issues of religious and caste differences are repackaged and used for political mobilisation. This chapter will examine these issues of the contemporary period with reference to their impact on the fundamental values of constitution like democracy, unity and integrity and social and economic change.

Both teachers and students are sure to have their own views on the events of this period depending upon their own Convictions, but it is suggested that everyone should try to understand the perspective of others with an open mind and also express their own views with care not to offend other people. The developments discussed in this chapter have important bearing on the

End of Emergency and formation of Janata Party governments under Morarji Desai and Charan Singh	1977
Formation of Congress government led by Indira Gandhi	1980
Formation of TDP	1982
Operation Blue Star and Assassination of Indira Gandhi	1984
Rajiv Gandhi Accords with HS Longowal on Punjab and AASU on Assam	1985
Accord with Mizo National Front	1986
Agreement with Sri Lanka	1987
Election and formation of Janata Dal government with VP Singh and Chandrasekhar	1989
Decision to implement Mandal Commission recommendation	1989
Ram Janmabhoomi Rath Yatra	1990
Assassination of Rajiv Gandhi and government led by Congress party with P.V.Narsimha Rao as PM	1991
Economic Liberalisation	1990
Demolition of Babri Masjid	1992
National Front Government with Deve Gowda and IK Gujral as PMs	1996
NDA government led by AB Vajpayee	1998

nature and future of our democratic institutions and we should try to understand their various dimensions. The maturity of our democracy depends upon how we conduct these discussions.

Return of democracy after Emergency

The period between 1975 to 1985 was a testing time for Indian democracy. It began with the state of Emergency in which basic democratic rights were denied and ended with the historic electoral victory of the Congress led by Rajiv Gandhi. Though it began and ended with the rule of the Congress party it saw the emergence of viable alternatives to the Congress at both the Centre and in the States. This effectively prevented India from sliding into a ‘single party democracy’ as it happened in many countries. The emergence of competitive alternatives ensured that Indian voters could always exercise a reasonable choice. This also allowed many different political viewpoints and sectional interests to become active in State level and national politics. Political viewpoints of Socialists, Hindu nationalists, Communists, as well as sectional interests like those of farmers, dalits, backward castes, and regions among others now came to the fore and asserted their claims. At the same time a number of non-political movements like environmental movements, feminist movement, civil liberties movement, literacy movements and so on also emerged and became powerful motors of social change. Let us examine some of these issues in greater detail.

- Do you think ‘single party democracy’ would have been a better alternative to multi-party democracy?
- In what ways does a multi-party democracy create favourable conditions for social movements of protest and change?

1977 Elections and the End of Emergency

When elections were announced in January 1977, it took everyone by surprise. No one had expected elections to be held. Indira Gandhi also released all political prisoners, removed censorship as well as all other regulations in place which restricted freedom of movement, campaigns and meetings. The major opposition parties decided to come together to challenge the Congress. The Congress (O), Swatantra Party, Bharatiya Jan Sangh, the Bharatiya Lok Dal and the Socialist party decided to merge together and form the Janata (peoples) Party. Some important Congress leaders like Jagjivan Ram quit the party to join the anti-Congress front. The other major opposition parties like the DMK, the SAD and the CPI (M) chose to maintain their separate identities but supported the Janata Party in a common front against the Congress. Senior leaders like Jayaprakash Narayan and Acharya JB Kriplani played an important role in bringing together all the anti-Congress and anti-Emergency parties to fight the elections. It should be noted that some of these parties had diametrically opposite viewpoints on social and political issues.

It was a historic election for Indian democracy. The Congress party was defeated at the national level for the first time. During this period Mr. Neelam Sanjeeva Reddy was unanimously elected as speaker of the 6th Lok Sabha on 26th March, 1977. Later, he was elected unopposed, the only President of India to be elected being unanimously supported by all political parties including the opposition Congress party and sworn as the 6th President of India on 25th July, 1977. This shows how the coalition governments have come to stay and political parties started thinking in terms of coalitions setting a new trend in political history. This is in a sense of ushered in the practice of accepting personalities of great statesmanship and who set high standards in public life, being preferred for public offices and certainly a move away from traditional party based politics. During his term of office, Mr. Sanjeeva Reddy had to work with three governments under *Prime Ministers* Morarji Desai, Charan Singh and Indira Gandhi.

The victorious Janata Party attempted to consolidate itself by dismissing nine Congress governments in the States. Was the central government justified in dismissing State governments even if they enjoyed majority in their assemblies just because the party ruling in those States had been defeated in the Parliamentary elections? The Janata Party argued that the Congress party had lost its mandate to rule in the States as it had been defeated. Its stand was somewhat vindicated by its victory in Uttar Pradesh, Madhya Pradesh, Rajasthan and Bihar and the victory of CPI (M) in West Bengal and DMK in Tamil Nadu.

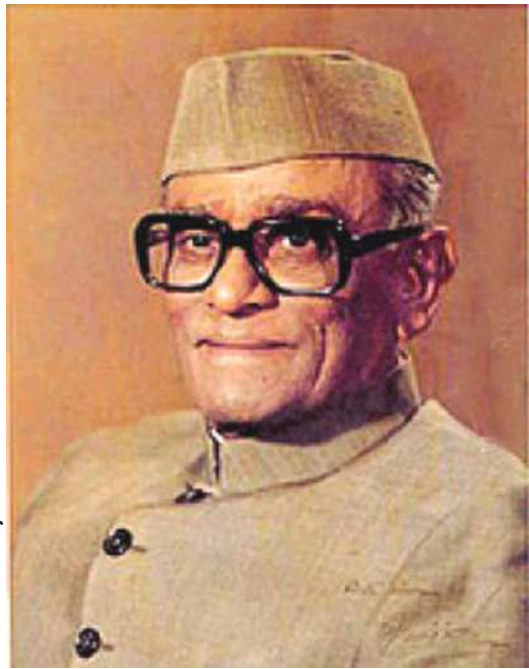


Fig 19.1 : Neelam Sanjeeva Reddy
6th President of India

Some opposition parties of 1970s

BLD – Bharatiya Lok Dal – a party which was formed of socialists who called for special attention to Indian farmers, based mainly in Uttar Pradesh.

Congress (O) – The conservative section of the Congress which had opposed the policies of Indira Gandhi.

CPI (M) – Communist Party of India (Marxist) – a party with a national presence, which strove for radical land reforms, trade unionism and socialist policies.

DMK – Dravida Munnetra Kazagam – a party based mainly in Tamil Nadu which sought greater autonomy and powers for the state.

Jan Sangh – A Hindu nationalist party largely confined to the northern States.

SAD – Shiromani Akali Dal – a party based in Punjab catering specially to the Sikhs and organised around Gurudwaras. It therefore had a semi religious character. It was also in favour of greater autonomy to the States.



*Fig 19.1 : Morarji Desai
the First Non Congress
Prime Minister*

The Janata Party had come to power promising a restoration of democracy and freedom from authoritarian rule. However, the disunity among the partners had a serious effect on the governance and its rule is most often remembered for internal squabbles and defections. The factional struggle in the party soon culminated in the fall of the government within three years leading to fresh elections in 1980.

The Congress returned to power in 1980. The Congress immediately paid back the Janata in the same coin by dismissing the Janata and non-Congress governments in nine States. The Congress was victorious in all the States except Tamil Nadu and West Bengal.

The actions of both the Janata Party and Congress governments weakened the federal principles and backed a

President's Rule

As per the provision of the Constitution (article 356), the governor of a State can recommend to the President the dismissal of a State government and even dissolution of a State assembly if he or she is convinced that the government is not able to administer the State as per the Constitution. The President may then on the advice of the Prime Minister, dismiss the State government and order the Governor to take over the administration of the State.

Since there was no clear guideline in the Constitution in this regard, many central governments often misused article 356 to harass and dismiss State governments headed by opposition parties.

In 1994 in an important judgement the Supreme Court laid down strict norms for the use of article 356 by the Central Government. Since then, such misuse of this power has become rare.

- There have been many instances in which governments at centre removed governments at the state, if they are from different political parties. Discuss how does it violate democratic principles.

more centralising position. This was accompanied by some serious challenges to national unity too. The people of many states felt alienated and wanted either greater autonomy from the centre or even wanted to go separate from India itself. The non-congress regional parties (like SAD and DMK) meanwhile attempted to come together to form a common front in support of greater say in national level decision making, greater financial autonomy, lower interference in State matters and stopping the misuse of the powers of the Governor and arbitrary imposition of President's Rule.

Emergence of Regional Aspirations

Let us look at three movements for greater autonomy in different parts of India: Andhra Pradesh, Assam and Punjab. Can you identify the similarities and dissimilarities between these movements? They represented three strands of the demands for autonomy.

Andhra Pradesh

In Andhra Pradesh, the frequent change of Chief Ministers by the central Congress leadership and the imposition of leaders from above created a bad taste. There was a feeling that the Andhra Pradesh leadership was not getting respect from the national Congress leadership. This was perceived as an insult to the pride of the Telugu people. N T Rama Rao (NTR), popular film actor, chose to take up this cause. He began the Telugu Desam Party (TDP) on his 60th birthday in 1982. He said that the TDP stood for the honour and self respect of the Telugu speaking people (*Teluguvari atma gauravam*). He argued that the State could not be treated as a lower office of the Congress party. Equally important were his promise of some very important welfare measures for the poor including midday meal scheme in government schools, sale of rice at Rs 2 per Kg to the poor and liquor prohibition. These populist measures helped the TDP sweep the 1982 elections. However, he was surreptitiously dismissed by the Governor in 1984 when he was away in the United States for a surgery. The Governor appointed N Bhaskar Rao who had defected from the TDP to the Congress. On his return NTR challenged the action of the Governor and proved that he had the support of majority of the MLAs. After a month of campaigning the central government appointed a new Governor who reappointed NTR as the Chief Minister of Andhra Pradesh. In this struggle against arbitrary dismissal, NTR was supported by several parties holding power in States like CPI M, DMK, SAD and National Conference among others.

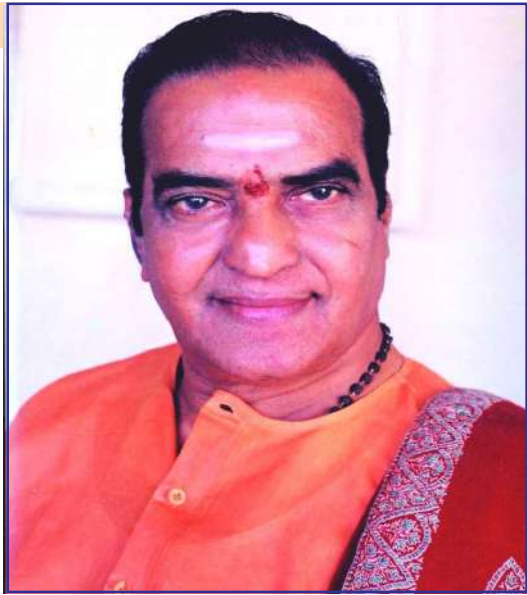


Fig 19.2 : N T Rama Rao

- Discuss the importance of the following factors in the politics of NTR:
 - i. Background of being a film hero
 - ii. Fight for self respect of the state
 - iii. Popular welfare schemes for the poor
 - iv. Alliance with other regional parties

Assom Movement

A similar but much stronger demand for autonomy was also taking place in Assom. In Assam, besides Assamese, Bengali was also a major spoken language. From the British time, Bengalis occupied the lower and middle rungs of the administration in the State. The Assamese speaking people felt that the Bengali officialdom did not treat them as equals but as second-class citizens. A lot of Bengali speaking people had also settled in Assom after independence and to make matters worse there was also a lot of migration from across the border from Bangladesh. Whenever there was any political instability or natural calamity in the neighbouring country, thousands of people moved into the State creating huge discomfort for

the locals. The local people felt that they would lose their cultural roots and soon be outnumbered by the ‘outsiders’.

In the late 1970s this general feeling of unhappiness was transformed into a social movement. The All Assom Students Union (AASU) was at the forefront of the agitation. This organisation spread across the State and was especially popular among the youth. It led a number of strikes, agitations and marches directed against the central government to make clear its demands -mainly to remove the so-called outsiders.

Besides culture and demographics, there was also an economic dimension. Trade and other establishments were in the hands of non-Assamese communities. The major resources of the State, including tea and oil were again not benefitting the locals. The tea industry was mainly based in Calcutta and the oil industry had very few locals involved despite being in the hands of the public-sector. Furthermore, the oil was being moved out of the State and refined elsewhere. All in all, the dominant thrust of the movement was that Assam was being treated as an “internal colony” and this had to stop. The main demands were that the local people should be given greater preference in employment, the “outsiders” should be removed and the resources should be used for the benefit of the locals.

These demands however created a communal polarisation as most of the outsiders who came from the neighbouring country were Muslims. To make matters worse, the movement soon began to take anti-Bengali, anti-Left (as West Bengal was being ruled by the Left Front), anti-non-Assamese and gradually even an anti-Indian stand. The central government was soon forced to take note of the movement as the violence and disruption increased. The talks between the agitationists and the central government went on for three years before they came to an agreement. An agreement was signed by the Central Govt and the AASU at the initiative of Prime Minister Rajiv Gandhi in 1984. To restore normalcy, in an unusually magnanimous move the Congress government in the State stepped down and allowed elections even before the end of its term. When elections were held the Assom Gana Parishad (AGP - an offshoot of AASU) came to power.

This political transition however, did not resolve the long term problems which gave rise to the movement. The border with Bangladesh could not be sealed due to both diplomatic reasons and also geographic reasons (given the waterways and hills it is not possible to erect fences everywhere). It was also not possible to really differentiate between old Bengali settlers and fresh immigrants or send back the immigrants. At the same time too much emphasis on ethnic identities had a negative impact on other communities of Assom like the Bodos, Khasis, Mizos and Karbis. Many of them too demanded autonomous status. They began to assert themselves and wanted to drive out people of other communities from their areas. This has led to violent attempts of ‘ethnic cleansing’ or forcible eviction of minority tribal communities by even outright mass killing in many parts of Assom. Often in order

to counter violent activities of one community the governments instigated or armed another community and in this way kept alive the tensions instead of solving them.

The Central Government also stepped up the deployment of armed forces in these areas to reduce tension and bring peace. Three factors influenced the use of armed forces in the North Eastern region: firstly, the fact that it was a sensitive border area adjacent to China, Burma (now Myanmar) and Bangladesh; secondly, the rebel groups often were demanding separation from India and procured arms and help from outside forces; and thirdly, the fact that the rebel groups indulged in large-scale ethnic violence against minority communities. As the Indian armed forces entered this difficult terrain, it led to suspension of civil liberties and freedom and also to giving abnormal powers to the army. The government thought that this was the only way to bring about peace in the area.

Thus what started as a problem between Bengalis and Assamese developed into a complex inter-community conflict in a very sensitive area. The problem of ethnic identities and ethnic assertion therefore requires a broadminded approach rather than narrow minded and quick solutions.

- In what ways do you think the Assom movement is similar or different from the movement of NTR in Andhra Pradesh?
- Organise a debate in your class on the following themes:
Only one community should live in a region and all posts and trade-business should be in the hands of the people of that specific community only. OR All people of India should be free to move from one part to another and settle and work in places of their choice.
- Will an open policy of free movement of people cause rich and powerful outsiders to buy up all land and resources and leave the original people of a locality poor and impoverished?

The Punjab Agitation

At the other end of India, another movement for autonomy was taking shape in the State of Punjab. Here too the difference in language and religion of the dominant population became a point of mobilisation. Here again the grouse was that the contribution of the State was being ignored. They also believed that the State had received an unfair bargain when it was created. It laid claims to the new capital city of Chandigarh which remained a union territory directly administered by the Centre. Punjab also claimed more water from Bhakra Nangal dam and greater recruitment of Sikhs in the army.

The Akali Dal had passed a set of resolutions in 1978 during the Janata Party rule in the centre, calling upon the central government to implement them. Its

most significant demand was to amend the Constitution to give more powers to the states and ensure greater decentralisation of powers. The resolution said,

“the Shiromani Akali Dal emphatically urges upon the Janata Government to take cognizance of the different linguistic and cultural sections, religious minorities as also the voice of millions of people and recast the Constitutional structure of the country on real and meaningful federal principles to obviate the possibility of any danger to the unity and integrity of the country and, further, to enable the States to play a useful role for the progress and prosperity of the Indian people in their respective areas by a meaningful exercise of their powers.”

With the increasing electoral competition between the SAD and the Congress, things took a turn for the worse. The dismissal of the Akali government and the return of the Congress in 1980 only added to already surcharged atmosphere and the feeling that the Sikhs were being discriminated against. A series of untoward incidents followed, increasing the alienation/ distance between the Sikhs and the central government. Bhindranwale, the leader of the group of militant Sikhs began to preach separatism and also demanded the formation of a Sikh State- Khalistan. This was a period of intense turmoil in the State. The militants tried to impose an orthodox life code on all Sikhs and even non-sikhs of Punjab. There was also a communal colour to the conflict. People belonging to non-Sikh communities were subjected to communal attacks. All this finally culminated in the occupation of the Golden Temple by the Sikh separatist groups and the army had to intervene to vacate



Fig 19.3 : during the 1970's and 1980's India made many different achievements in Technology co-operative's etc., some examples are like in above Sriharikota launch of PSLV, Amul cooperative etc.,

the premises. This was seen as an act of desecration of the holiest shrine of the Sikhs and increased their alienation.

A fallout of all this was the assassination of Prime Minister Indira Gandhi in 1984. This was followed by rioting especially in Delhi in which thousands of Sikhs were attacked, murdered and their properties destroyed. The administration seemed to do little to stop the violence.

After Rajiv Gandhi became the Prime Minister, he held talks with SAD and entered into an agreement with Sant Langowal, the SAD president. Though fresh elections were held in Punjab and SAD won them, the peace was short lived as Longowal was assassinated by the militants.

In April 1986, an assembly at the Akal Takht, made a declaration of an independent state of Khalistan. Several groups claiming to be fighters for an independent state formed armed detachments and engaged in terrorist activities. The government of India claimed that these groups were actively supported by the government of Pakistan. This was a decade of violence and conflict in Punjab. The period of insurgency saw clashes of the Sikh militants with the police, as well as with other religious groups. Journalists, politicians, artists and activists who did not conform to militant-approved behaviour were killed. There were indiscriminate attacks designed to cause extensive civilian casualties: derailing trains, exploding bombs in markets, restaurants, and other civilian areas between Delhi and Punjab. In 1991 alone about a thousand people were killed. The militants were also engaged in large scale kidnapping and extortion to raise funds for their work. All this gradually alienated them from the mass of the Punjabi people including Sikhs. Over a period of time effective police action broke the back of militancy and as public sympathy declined rapidly, peace finally returned to Punjab by the end of the 1990s.

However, the Government used very harsh methods for the suppression of militancy in Punjab, many of which were seen as violation of Constitutional rights of citizens. Many observers felt that such violations of Constitutional rights and human rights were justified as the Constitutional machinery was on the edge of collapse due to militant activity. Even judges were afraid of passing adverse judgements on the militants for fear of reprisals by them. Other observers felt that such use of extra constitutional powers by the state cannot be justified and in the long run it would strengthen undemocratic tendencies in the polity.

- What was the role of anti-sikh riots of Delhi in 1984 in fuelling Sikh separatism and extremism?
- Compare the similarities and differences between Assam and Punjab movements. What kind of challenges did they pose to our political system?
- The way the government handled the two problems, did it strengthen our democratic polity or weaken it?

New initiatives in the Rajiv Gandhi Era



Fig 19.4 : Rajiv Gandhi



Fig 19.5 : Operators at work in the New Delhi Telephone Exchange - c1950's

the story of the poor remained the same. The fact that most people who had been poor and marginalised including, women, dalits and tribals were not getting access to the fruits of development. He also realised that there needed to be sea change in the way things were being done. Rajiv Gandhi felt that the best way to do this was to ensure the participation of the mass of the people in governance by activating the Panchayati Raj Institutions. However, many State governments, especially,

The Congress led by Rajiv Gandhi won an unprecedented victory in the elections. Rajiv Gandhi began a peace initiative in Punjab, Assam and Mizoram and also in the neighbouring country of Sri Lanka. India sent its army to maintain peace between the warring parties (Separatist Tamils and Sinhalese government), but this turned out to be a misadventure as it was not accepted by either the Tamils or the Sri Lankan government and the force was finally withdrawn in 1989.

Rajiv Gandhi realised that despite all the attention to development in the country, much of it did not reach the real beneficiaries. In a famous speech Rajiv Gandhi said that out of every Rupee spent on the poor barely 15 paise reaches them! It highlighted the fact that despite huge increases in development expenditure,

- Looking back from the present, what do you think were the lasting contributions of Rajiv Gandhi to the country?
- Discuss in your class why the poorest people often do not get to benefit from schemes intended for them. What long term steps should be taken to ensure that such benefits really reach the poor?
- Find out and list all the benefits students of your school are entitled to. Do they manage to get them properly? Discuss in both the class and outside the school in your homes or playground.

those run by opposition parties felt that it was an attempt to by pass them and reduce their powers.

In the economic sphere, too Rajiv Gandhi attempted to chart a different course. His government's first budget in 1985 moved towards a more liberalised system by removing some of the checks and controls that were in place.

Rajiv Gandhi was also convinced that India needed to adapt itself to the new technologies emerging in the world, especially computer and telecommunication technologies. He initiated what is called the 'telecom revolution' in India which speeded up and spread the network of telephonic communication in the country using satellite technology.

Rise of Communalism and Corruption in High places

After the horrors of partition there had been some attempt to keep religion away from the active and formal political sphere. This period however saw the emergence of new kind of political mobilisation which had communal overtones. This use of religion for political purposes and the partisan role of the government was to lead to disastrous consequences which would raise question marks on the issue of national unity and integrity.

The Prime Minister's Apology

Dr. Manmohan Singh's statement in the Rajya Sabha

... Four thousand people were killed in this great national tragedy that took place in 1984. This should be an occasion for introspection, how working together as a united nation, we can find new pathways to ensure that such ghastly tragedies never again take place in our country. ... I have no hesitation in apologising not only to the Sikh community but the whole Indian nation because what took place in 1984 is the negation of the concept of nationhood and what is enshrined in our Constitution. So, I am not standing on any false prestige. On behalf of our Government, on behalf of the entire people of this country, I bow my head in shame that such a thing took place. But, Sir, there are ebbs, there are tides in the affairs of nations. The past is with us. We cannot rewrite the past. But as human beings, we have the willpower and we have the ability to write better future for all of us.... (pmindia.nic.in/RS%20speech.pdf)
11 Aug 2005.

- What is the most important message in this speech?
- What signals does this speech send out?
- Why is it important that the Prime Minister made this speech?

In 1985 the Supreme Court passed a judgement on a case filed by Shah Bano who had been divorced by her husband ordering that she should be paid maintenance by her ex-husband. While the progressive Muslims welcomed the decision, others

protested against this judgement saying that it went against Islamic law and that if this was allowed then there may be further interference in the religious life of the community. The leaders of women's movement and those who stood for reform within the Muslim society argued that it would help to reverse the gross injustice being meted out to Muslim women who were divorced unilaterally by their husbands. The government came under pressure of the orthodox sections and enacted a new law in 1986 which let off Muslim husbands and permitted Muslim religious bodies to pay maintenance to divorced women for a short period of 3 months. This was widely seen as compromising before religious orthodoxy and ignoring the interests of women of the community.

Around the same time some sections of the Hindus had begun a campaign for building a temple for Lord Rama in Ayodhya in the place of the controversial construction, Babri Masjid. They claimed that it was the birth place of Lord Rama and it has been built by destroying the earlier temple. The custodians of Babri Masjid denied this and claimed this was a place of worship for Muslims. This had been under dispute for some time and the Court had ordered it be kept closed except on one day in a year till the final decision was taken. In 1986 the Court ordered that the mosque may be kept open on all days and allow Hindus to perform worship on a daily basis. It was widely believed that this could happen only because the central government approved of this decision. This opening up of the temple helped those who wanted to convert the mosque into a temple to mobilise a large number of people.

To many observers it appeared that the established political parties were losing popularity among the people. Large number of popular movements were emerging over a number of issues under non-political leaderships. The large farmers producing for market were fighting for better prices for agricultural products and greater subsidy for inputs like diesel, fertilisers and electricity. Farmers of UP and Haryana agitated under the leadership of Mahendra Singh Tikait, while farmers of Maharashtra were fighting under the leadership of Sharad Joshi. In many States movements of adivasis and farmers against displacement by development projects like dams and mines was also building up. The observers felt that this decline in popularity led the national political parties to pander to religious feelings in both Hindu and Muslim communities so as to retain their support in elections. However, it weakened the secular fabric of Indian polity and made way for rise of communal politics in the following decade.

Around the same time charges began to be levied against several leaders that they had directly or indirectly received bribes from the Swedish manufacturers of guns being supplied to the Indian army. Even though these charges could never be proved clearly, a powerful campaign was led by some former ministers of cabinet itself like V P Singh. The issue of corruption in administration and in political circles became the main plank of the election campaign for non-congress political

forces in the next elections held in 1989. Once the non-congress parties irrespective of their differences amongst themselves got together, it became difficult for the Congress to win. Though the Congress returned with the highest number of seats, it did not have enough to form a government on its own. The first coalition government led by V P Singh's Janata Dal was formed.

The Era of Coalition politics

The 1990s were years of very significant change in post Independence India. With the transformation to a competitive multi-party system, it became near impossible for any single party to win a majority of the seats and form a government of its own. Since 1989, all governments that had formed at the national level have been either coalition or minority governments. A number of national and regional parties had to come together to form governments at the centre. This meant that the political ideologies and programmes of a number of parties had to be accommodated and a common agreement had to be arrived at. Thus no party could pursue its extreme agendas and had to tone down their approaches. While this enabled the central government to become more sensitive to multiple viewpoints in politics and policy matters, it also caused considerable instability. Even small parties tried to gain undue advantage as the withdrawal of their support could cause the fall of the government. Sometime this also caused 'policy paralysis' – as the coalition could not implement any policy which called for serious change for fear of withdrawal of support by one or the other partners.

While the early coalition governments were highly instable and did not last their full terms, the later coalitions have put in place multiple mechanisms like common minimum programmes and coordination committees to bring about greater understanding between the partners. Later coalitions like the BJP led National Democratic Alliance and the Congress led United Progressive Alliance have completed their terms. Moreover, the UPA was the first coalition to be re-elected.



Fig 19.6 : VP. Singh

- While some people feel that coalition politics has weakened the government, others feel that it has prevented any party from steamrolling its agenda on the country. Discuss this with examples.

The 'Left Front Government' in West Bengal

The Left wing political parties like the Communist Party of India (CPI), Forward Block, Revolutionary Socialist Party, Communist Party of India Marxist (CPM) won the elections in the State of West Bengal in 1977 and formed the Left Front Government led by Jyoti Basu of CPM. One of its most important programmes was to carry out the unfinished tasks of land reforms in the State. In June 1978, the

West Bengal government launched Operation Barga to record the names of the sharecroppers (Bargadars who tilled the land belonging to landlords and paid a large share of the produce as rent to them), who formed a major part of the agrarian population in West Bengal and to secure their rights. Operation Barga depended heavily on collective action by the sharecroppers and panchayati raj institutions thus avoiding bureaucratic delays and domination of the landowning classes. Officials held camps in the villages in which the various stakeholders would meet and discuss their issues. A list of claimants would be drawn up immediately after, and publicly verified in the presence of the landholders, who could then record their objections. Then, the names of the bargadars would be recorded on the spot, and all legal documents would be issued and distributed immediately.

As a result of Operation Barga, the landlords were largely prevented from forcibly throwing the bargadars off the land. In fact, the bargadar rights were made hereditary and thus perpetual. Secondly, the State guaranteed that the bargadars would receive a fair share of the crop (75 per cent if the bargadar provided the non-labour inputs and 50 per cent if the landlord provides those inputs). In all, approximately half of rural households in West Bengal have received land reform benefits.

As a result of these measures agricultural production in West Bengal increased




- Compare the land reforms in West Bengal and the land reforms in Vietnam or China. In what ways were they similar or different?
- Why do you think the protection of sharecroppers led to an increase in production?

almost by 30% and rural poverty declined significantly. However, many critics felt that still the majority of shareholders of West Bengal (about 70%) have not been registered and this partial implementation has led to the rise of a new class of rural rich.

Nevertheless Operation Barga and the implementation of Panchayati Raj helped

the Left Front to gain substantial support of the rural population and the government repeatedly won elections till 2006. This is one of the ways in which the needs of the people of the State was addressed through democratic means.

Coalition Governments and some political parties from 1980's

Governing Parties	Governing Parties	Governing Parties
<div style="text-align: center;">  National Front 1989-1990 </div>	<div style="text-align: center;">  United Front 1996-1998 </div>	<div style="text-align: center;">  National Democratic Alliance 1998-2004 </div>
JD; DMK; AGP; TDP ; Jammu & Kashmir National Conference (JKNC)	JKNC ; TDP; TMC; CPI; AGP; DMK; MGP; Samajwadi Party	JDU; SAD; AIADMK, JKNC; Trinamool Congress; Biju Janata Dal ; Shiva Sena ;
Supporting Parties CPM; CPI, BJP	Supporting Parties CPM	Supporting Parties TDP
<small>This is not a complete list of political parties that either supported for were part of the government. Often we have listed only those parties that had more 5 or MPs</small>		

Political concerns in the last decade of 20th century

This shift in politics was accompanied by some other significant developments. On the one hand India was forced to open up and 'liberalise' its economy by allowing freer flow of foreign capital and goods into India; on the other hand new social groups asserted themselves politically for the first time; and finally religious nationalism and communal political mobilisation became important features of our political life. All this put the Indian society into great turmoil. We are still coming to grips with these changes and adapt ourselves to them.

Extention of Constitutional Privileges

The Janata Dal, focussed on the need for inclusive development and ensuring opportunities for people from backward communities. The National Front government resurrected the Mandal Commission report which had recommended reservations for other backward castes (OBC) in government employment and educational facilities. The V P Singh government announced that it was implementing the core recommendation of the Commission by reserving 27% of the seats in government employment for candidates from the socially and educationally backward castes that were identified by the Commission. This order sparked numerous protests especially in north India. In the south, most States already had a high proportion of the seats reserved for the OBCs. Most of the other political parties were not in favour of this decision of V P Singh government, but did not want to oppose it as they feared that they will become unpopular. This was because during the previous two decades, many of the OBC castes had become rich and asserted themselves. They had especially benefitted from land reforms and green revolution, but found that they did not have adequate representation in education, government service and even in politics. They now began to demand their share in these spheres. The V P Singh government tried to address this demand by implementing the Mandal Commission recommendations. Thus gradually all political parties came to

Panchayati Raj & 73rd amendment

In 1992 government led by P.V. Narasimha Rao passed an important amendment to the Constitution to provide local self governments a Constitutional Status. The 73rd Constitutional Amendment created institutions of local self government at the village level while the 74th Constitutional Amendment did the same in towns and cities. These were pathbreaking amendments. They sought to usher in for the first time, office bearers at the local level elected on the basis of universal adult franchise. One third of the seats were to be reserved for women. Seats were also reserved for scheduled castes and tribes. The concerns of the State governments were taken into account and it was left to the States to decide on what functions and powers were to be devolved to their respective local self governments. Consequently, the powers of local self governments vary across the country.

accept the assertion of the OBCs in Indian politics. This process also meant that Indian polity in general became more sensitive to caste issues and especially the problems faced by the lower castes. Many parties like the Bahujan Samaj Party claiming to represent the interests of the dalits and many regional parties which represented emergent castes like the Yadavs and Jats became important in Indian politics.

Use of religion and politics

The political tendency that seeks to build our nation based on religious identity of the majority of the population, i.e. the Hindus is led by Bharatiya Janata Party. This party believes that ideas of democracy and secularism are western ideas and are not sufficient and what is needed is to draw upon ancient Indian culture. The BJP however opposes the idea of a religious priesthood run theocratic state. The BJP has opened the debate on the nature of secularism by asserting that a secular state; not to give special treatment to minorities, but common civil code is to be applicable to all.

This tendency was largely on the margins of Indian politics till the 1980s. For example in the 1984 Lok Sabha elections they won only 2 seats. However, BJP made great strides when it took up the Ayodhya issue – it decided to campaign for the building of a temple at the site of mosque claiming that it was the site of birth of Lord Rama. In 1990 L K Advani, the leader of BJP led a “*Rath Yatra*” from Somnath to Ayodhya in support of these demands. During the campaign the BJP tried to argue that the secular politics was trying to ignore the interests of the Hindu majority while appeasing minority communities, especially the Muslims. This campaign was accompanied by intense communal polarisation causing a large number of communal conflicts and finally ended with the arrest of L K Advani in Bihar. The BJP responded to this arrest by withdrawing support to V P Singh government and forcing early elections.

During this election campaign, Rajiv Gandhi was assassinated by LTTE, a Tamil separatist group of Sri Lanka as retaliation for his role in sending Indian army to Sri Lanka. In the sympathy wave that followed the Congress came to power in the Centre, but the BJP’s strength had gone up to 120 in the Lok Sabha. In 1992, a large crowd mobilised on behalf of the temple campaign gathered in Ayodhya and destroyed the mosque. This event sparked off widespread protests and also communal riots in which hundreds of people were killed.

Economic liberalisation

In 1991, when the V P Singh government fell, India was facing very serious economic crises. Its reserve of foreign currency with which it repaid its loans and paid for imports, had been virtually exhausted. This meant that India would have to default in payments to foreign countries unless it urgently got some loan. In 1992,

when the new Congress government under P V Narasimha Rao was formed it negotiated with the International Monetary Fund for loans to tide over the crises. The IMF laid down certain stringent conditions (called ‘structural adjustment programme’), forcing India to accept a policy of liberalisation. This meant

- a. drastic reduction of government expenditure – including cuts in subsidies to farmers, expenditure on public services, health, etc.
- b. reducing restrictions and taxes on import of foreign goods
- c. reducing restrictions on foreign investments in India
- d. opening of many sectors of the economy (like telephone, banking, airlines, etc) to private investors (these were government monopolies earlier)

These measures brought in foreign goods and forced Indian business to compete with global manufacturers. It also led to the setting up of industries and business by foreign companies in India. However, it also meant a lot of hardship for the common people as the government was forced to cut subsidies to the people and as many factories closed down due to influx of cheap foreign goods. This also led to privatisation of many public amenities like education, health, and transport and people had to pay high prices to private service providers.

The twentieth century closed with an India which was drawn into the world market, an India which seemed to have a thriving democracy in which voices of different sections of the population were making themselves heard and in which divisive and communal political mobilisation were threatening to destroy social peace. It had stood the test of time for over fifty years and had built a relatively stable economy and deeply rooted democratic politics. It still had not managed to solve the problem of acute poverty and gross inequality between castes, communities, regions and gender. This was the legacy which 50 years of post-independence period left for the 21st century India.



Fig 19.7 : P.V. Narasimha Rao



Fig 19.8 : H. D. Deve Gowda



Fig 19.9 : A.B. Vajpayee

Conclusion

We have seen that Indian democracy has been able to withstand numerous challenges and in the process strengthen itself. Indian democracy would be called successful on many indicators, including free, fair and regular elections, voter

turnouts, and government turnovers, empowerment of new groups and maintenance of essential civil liberties. Yet by the turn of the century, there were also many questions being asked of India's democracy. Despite being a continuous democracy, why hasn't India been able to take care of the well being of large number of its citizens? How would India tackle the increased tensions between the contradictory demands and tensions of the development process? Why has the democratic India not been able to dent the established social and economic inequalities? These are questions that Indian democracy will have to grapple with in the years to come. Do you think India will be able to do so?

Key words

Regional aspirations
Majority

Coalition governments
Minority

Communalism

Improve your learning

1. Match the Following

economic liberalisation

arbitrary dismissal

ethnic cleansing

federal principle

restriction in foreign import tax

of state governments by central government

towards people who are different from themselves

greater autonomy for state governments

2. Identify the major changes in party system during the second phase of Independence.
3. What are the major economic policies discussed in this and the previous chapters of various governments at the centre and the state. How are they similar or different?
4. How did regional aspirations lead to the formation of regional parties? Compare the similarities and differences between the two different phases.
5. In order to form governments it becomes necessary for political parties to attract people from different sections of society. How did different political parties realise these objectives in the second phase after independence?
6. What were the developments that weakened the inclusive nature of Indian polity? How is the ability to accommodate different communities and regional aspirations changing?
7. How do different types of regional aspirations draw from cultural, and economic dimensions?
8. In the early half of India after independence there was importance given to planned development. In the later part emphasis was given to liberalisation. Discuss and find out how does it reflect political ideals?
9. Study newspapers and magazines to identify at least one example each of moderation in policies due to coalition and how do different political parties in coalition emphasise their regional demands?

Aftermath of the World War II

The impact of the Second World War was different for different countries. The worst affected were the European countries especially the USSR, Poland and Yugoslavia which lost about 20% of its population. In economic terms too the USSR and other European countries lost heavily with destruction of cities, factories and mines on a massive scale. About 1700 towns, 31,000 factories and over 70,000 villages of USSR had been completely destroyed. In contrast the USA suffered less as the war was not fought on its territories. In fact the Second World War helped USA grow out of its economic misery caused by the Great Depression. Far from the theatres of war, the industries and agriculture of USA prospered. This ensured full employment and high productivity in US during the Second World War. In March 1945, the US President, Harry Truman, said, 'We have emerged from this War the most powerful nation in the world – the most powerful nation, perhaps, in all history.'

Even as the war devastated countries rebuilt their economics, the world saw some new processes in place. Three of the most important processes were the establishment of the United Nations, Cold War and Decolonisation. The Second World War had been fought on the principles of peace, democracy and freedom of nations in contrast to the Nazi ideas of dictatorship and Imperialism. Thus the first task was to establish a global organisation that would ensure peace and development in all nations. This led to the formation of the United Nations Organisation. Colonial powers like Britain and France could no longer justify their old colonial policies. They also had been politically and economically weakened vis a vis USA which was pressurising them to dismantle the old colonial system which gave the old colonial powers exclusive access to the colonies. The USSR was also emerging as a champion of anti colonial struggles which in many places were led by Communist Parties inspired by the USSR. Under these conditions old powers like Britain had no choice but to grant freedom to their old colonies. You have already read about this in an

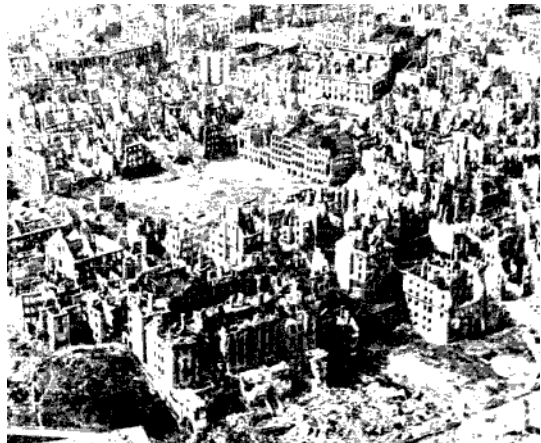


Fig 20.1 : View of the city of Warsa after the war with 85% of buildings destroyed

earlier chapter. As these countries became free they faced a world greatly torn between Capitalism and Communism, between USA and USSR – and were constantly under pressure to choose between the two rather than follow their own paths of development. They also got an opportunity to negotiate by playing one power against the other. In this section we will study about some of these issues in detail.

- What do you understand by the term ‘decolonisation’?
- How do you think the newly free countries would have been influenced by the competition between the two power blocks?

United Nations Organisation (UNO)

The principle Allied countries like Britain, France, USA, USSR and China drafted a Charter for the formation of the UNO even as the war drew to an end. The Charter not only emphasised the need to preserve peace and prevent wars, but also the need to ensure human rights, democracy and eradication of poverty and hunger for all people in the world. The UN thus started with a twin objective of ensuring lasting peace and human development. At the same time it recognised the autonomy of states and promised not to interfere in any internal affair of a country except in cases mandated by serious human rights violation or threat to world peace.

At the time of its establishment UN had membership of 54 countries and today (2014) there are 193 countries. As countries liberated themselves from colonial powers in the decade that followed they joined UN. The UN works through six different organs. Each of these organs has specific functions like maintaining peace and security, improving education and health facilities, alleviating poverty, providing justice in the context of international crimes and so on. Some bodies responsible for these functions include International Court of Justice located in Hague; the World Health Organisation located at Geneva, the United Nations Educational, Scientific and Cultural Organisation functioning from Paris, and United Nations Children's Emergency Fund functioning from New York.



Fig 20.2 : Emblem of UNO

In electing the Secretary General the main officer of the UN all nations participate and the post is rotated across different continents. The General Assembly is the main body where regular discussions between nations take place. However, decisions relating to war and peace and taken in Security Council and five nations have special status within it. These are called permanent members of the Security Council and are: China, France, United Kingdom; USSR (now Russia) and USA. Any decision taken by Council can be vetoed (made invalid or rejected) by the intervention of even any one of these

countries. Often the great powers themselves involved in many of the conflicts used their veto power to block any action by the UNO. Sometimes they have also used their power to force the UN to bend to their dictates. However, the very existence of a forum like UN, has forced great powers to exercise moderation and self-control. The special powers also have given the great powers a special role and responsibility in preserving world peace.

While the UN has been doing commendable work in the area of education, health, cultural exchange and protection of heritage, it has been less successful in preventing wars. It has often been held hostage to the ambitions of the super-powers that sought world control.



Fig 20.3 : UN headquarter's at New york

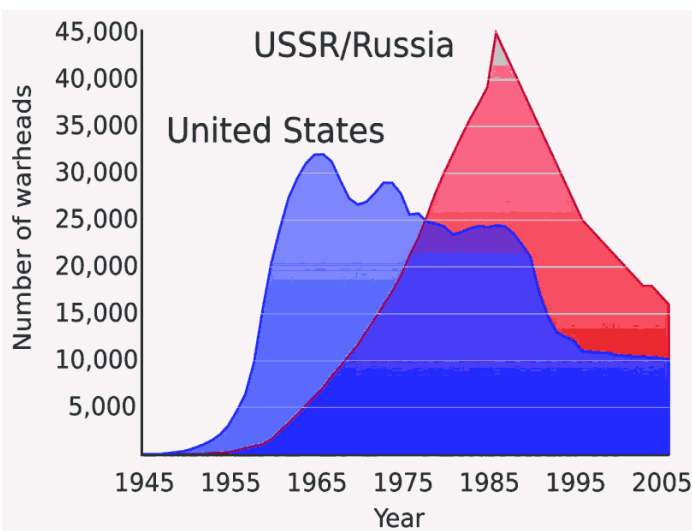
- Do you think wars are related to poverty, lack of equitable development and cultural exchanges between countries?
- According to some the special powers given to the five powers is undemocratic and should be abolished while some others feel that if these powers do not have special powers the UNO cannot function smoothly. Discuss.

The Two Camps and the Cold War (1945-1991)

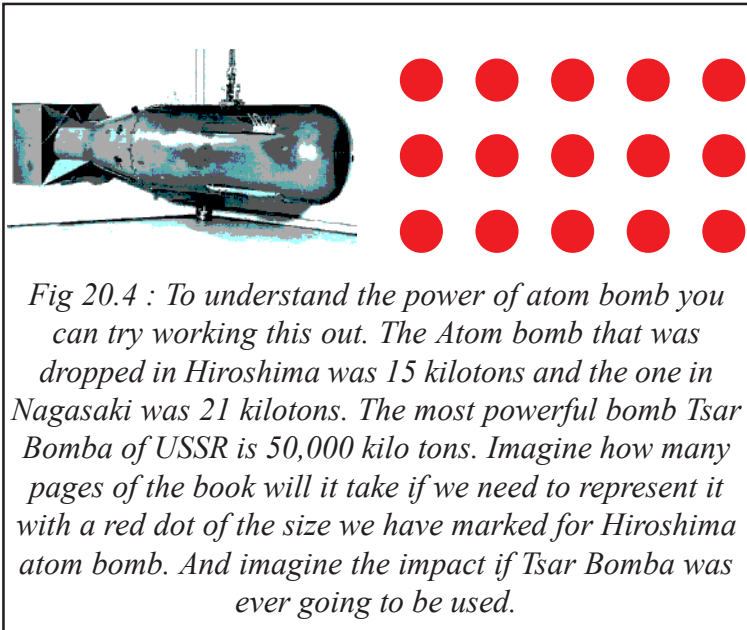
Two major ideological and political camps emerged in the post war period – the Communist block led by the USSR and the Democratic-Capitalist Block led by the USA. On the one hand the USSR promoted the ideas of equality and state controlled development and suppression of opposition to these principles. On the other hand USA promoted the ideas of multiparty democracy and private capitalist controlled process of development.

The USSR had the entire Eastern Europe (Poland, Hungary, and East Germany) under its influence and many colonies which were gaining freedom like China and Vietnam were closely aligned to it. The countries of Western Europe like Britain, France, Spain were closely allied with the USA. The two blocks competed with each other for bringing all the intermediate countries in their blocks.

For more than forty-five years after the Second World War, a rather strange



Graph 1 : US and USSR nuclear stockpiles



war was fought between the two blocks. It was a war in which the principal contenders did not physically attack each other or fight each other directly and hence, there was no ‘hot’ war. Instead, a War was fought behind closed doors through propaganda and words. It is called the Cold War simply because of the absence of a real fighting as in traditional wars. This Cold War characterised by intense tension between the United States and the USSR, influenced and shaped

almost everything that happened in the world between 1945 and 1991.

The Cold War was not just a propaganda war. It also saw real fighting and cost around 20 million human lives. However, almost all of the people killed were citizens of the Third World, viz., countries emerging from colonial domination like Vietnam, Korea, Angola, and Afghanistan. This division turned ethnically similar people and geographically adjacent territories into enemies and it led to wasteful wars between these countries.

Some main tactics used during the Cold War included proxy wars, military alliances, and arms race.

Proxy War

Right from the outset the two countries tried to bring the countries fighting for freedom under their sphere of influence. This led to supporting the two opposing sides in each of those countries. US President Harry Truman authorised support for the anti-communist forces in Turkey and Greece in 1947. The Belgian colony in Africa, Congo, got independence in 1960. But it’s radical communist leader, Patrice Lumumba, was killed in 1961, allegedly at the behest of US spy agency called CIA. Angola became independent from Portugal in November 1975. The Communists in Angola captured power with help from USSR and Cuba. In Latin America Fidel Castro had led a revolution against an American backed government and sought to build socialism on the lines of USSR. This inspired a large number of people of Latin American countries to fight for a similar transformation in their countries. One of their very popular leaders, Che Guevera was killed. Even elected governments led by socialists like the government of Chile led by S Allende were toppled by US backed army generals.

The USSR also tried to expand its sphere of influence. To begin with, in 1950s

it had to face the resistance of countries like Germany, Hungary and Czechoslovakia; it sent its armies to dismiss unfriendly governments and install friendly governments in those countries. After 1960s China decided to disassociate itself from the USSR and the latter tried unsuccessfully to pressurise China. In 1971 USSR invaded Afghanistan to install a friendly government there. The US in turn provided armed support to Afghan rebels who were also religious extremists. A prolonged civil war ensued and as the USSR decided to withdraw from Afghanistan in 1985 that country fell to religious extremists led by the Taliban which now turned against the USA. In all these we can see that the theatre of warfare and destruction was the third world which was trying to emerge out of colonial control and the wars were not fought so much by the Soviet or US troops but by the people of the third world.

Military Alliances

Both USA and USSR were in the possession of nuclear weapons but knew very well neither would be the winner in a nuclear war. Yet, they formed military and strategic alliances - the west formalised its alliances in an organisation known as North Atlantic Treaty Organisation (NATO) in 1949. To counter this, Communist nations made similar alliances and signed the Warsaw Pact. In addition to this, U.S. established regional military and strategic alliances like South East Asian Treaty Organisation (SEATO) and Central Treaty Organisation (CENTO).

Even though they strengthened themselves by creating military blocks they knew that fighting wars would lead to a massive destruction of human life threatening the whole civilisations. Hence, they maintained a constrained relationship acting as a deterrent on each other.

The alliances helped super powers which wanted to expand their influence to gain access to



- the vital resources like oil and minerals
- markets for their products and places to safely invest their capital
- military bases to launch their troops and weapons
- spread their ideology and
- gain economic support, to pay huge military expenses

Arms and Space Race

Both the USSR and USA spent huge amounts of money to conduct research into weapons and build arsenals of devastating nuclear arms and missiles which could strike across continents. The two countries together had enough nuclear arms to destroy the entire earth many times over. Gradually their allies like Britain,



France, and China, too built nuclear arsenals. The competition now also extended to the space as satellites helped in spying and in directing missiles. USSR put the first satellite Sputnik and the first human Yuri Gagarin in space. This was followed by intense competition between the two blocks to put more and more satellites and eventually led to the US sending Neil Armstrong and others to the Moon in 1969.

Fig 20.5 : (left) Yuri Gagarin, (right) Man on Moon

Flash points

As the rival powers accumulated destructive weapons, the world was constantly threatened by a nuclear holocaust. People of all countries lived in constant fear of war. There were many moments when nuclear war between the two countries seemed imminent, but got defused somehow through diplomacy. Some of these were the incidents relating to the shooting down of U2 US spy plane over USSR, the discovery of Soviet missile build up in Cuba, and several times during the Korean and Middle East wars.

Non Alignment Movement (NAM)

In 1950's the world was getting increasingly militarised and divided into two antagonistic camps. The rivalries between the two super powers for military supremacy, ideological conflicts and rivalry to gain economic supremacy lead to the establishment of a bipolar world. Though this conflict did not leave much space

for those who did not want to be involved in either of the blocs, there was an attempt to create one. The core concerns of people, especially those who were recently de-colonised like poverty, disease, inequality and colonialism were not addressed by any of these issues of contention.

The leaders of newly independent nations felt the need for a change from the insecure and tense situation. So in 1955 at Bandung in Indonesia a conference was held. It was the first Asia-African conference represented by 29 nations. The most important leaders of this conference were Pandit Jawaharlal Nehru the then Prime Minister of India, Gamal Abdul Nasser the leader of Egypt and Josip Broz Tito the leader of Yugoslavia. Pt. Nehru was acknowledged as the chief spokesperson. It paved the way for Non Aligned Movement (NAM).

Thus, non-alignment was established as an international organisation with an aim to promote cultural and economic cooperation among the newly independent countries of Asia, Africa and later Latin America.

The first Summit was held at Belgrade in Yugoslavia in September 1961. It was attended by 25 member countries. By 2012, the membership has grown to 120 countries with 17 Observers. The first Summit was the culmination of three major concerns:

- Cooperation among the member nations of NAM most of them who had newly emerged as free countries.
- Growing Cold War tensions and its impact on the world at large.
- Lastly, to prevent any of the newly decolonised independent countries from joining any of the military blocks.

Over the years the NAM helped countries like India to take an independent posture when the two super powers fell apart and pulled countries to their side. It also helped the newly emerging countries to bargain for space and assistance from the super powers by playing one against the other. To some extent it also helped to ease tensions amongst the NAM countries. Even though both the blocks looked at NAM with suspicion the US regarded the NAM as being closer to the USSR on wider international issues. Its inaction in the case of Soviet invasion of Afghanistan



Fig 20.6 : J. Nehru, Kwame Nkrumah of Kenya, Gamal Abdel Nasser of Egypt, Sukarno of Indonesia, Tito of Yugoslavia at NAM meeting 1960

was often seen as a partisan position contrary to NAM's principles. Another weakness of NAM was its inability to effectively stop its own members from

- What was the main purpose of 1955 Bandung conference?
- How did super powers react for the principles of Non-alignment?
- Why Non-aligned nations were called as third world countries?

waging wars against each other. Thus when Iran and Iraq were in a long war lasting seven or more years, NAM could do little about it. Despite these limitations the NAM helped the newly independent nations assert their autonomy in international affairs in a world torn between the two super powers.

West Asian Conflicts

West Asia refers to the region between Europe and Asia. The term Middle East is also used to describe this area. The conflicts that developed between Arabs and Jews are often described as the West Asian Crisis. It was mainly related to the occupation of Palestine. Palestine which was inhabited by Arabs was under the control of Britain before Second World War. In it is situated Jerusalem which is a holy city for Jews, Christians and Muslims alike.

The Jews traditionally considered Palestine as their 'Promised Land' from where they had been exiled in ancient times and pushed across Europe and Asia. In Europe they were a persecuted community as Christians considered them responsible for the crucifixion of Jesus Christ. The conflict came to a head in Germany under the Nazis when millions of Jews of Europe were jailed and killed.

A movement had developed among the Jews called the 'Zionist Movement' which called for uniting Jews spread across the world and to reclaim Palestine as their homeland and build a separate state of Jews. After 1945, this demand was supported by the by Western powers. However, since Palestinians (who were mostly Arab Muslims) were already living there, this became a bone of contention.

Matters were also complicated by the discovery of massive oil reserves in the Middle East, especially in the Arabian peninsula. Both US and USSR wanted to bring this region under their sphere of influence and would not let the other country establish its control.

In 1947, United Nations passed a resolution according to which Palestine was divided into two parts -Arab and Jewish States. In 1948 the British withdrew their troops from Palestine and Israel was created for Jews. The Arabs did not agree to giving up their homeland. The Arabs refused to recognise Israel as a legitimate state. The policies pursued by state of Israel increased the bitterness. The Arabs were forced to leave their homes and properties and had to take shelter as refugees in the other Arab states.

The President of Egypt Gamal Abdel Nasser (1918-1970) made an effort to unite the Arabs. He formed *fidayeens* (suicide squads) for causing explosions in

public places in Israel. He adopted aggressive policies against Britain and France and demanded that Britain should withdraw its troops from the Suez Canal. The United States withdrew aid to Egypt for the construction of Aswan Dam. N a s s e r



nationalised Suez Canal with the support of USSR who supplied arms and ammunitions for Egypt's struggle against the West.

In 1956, Israel attacked Egypt with the support of Western powers and both United States and USSR demanded a cessation of war and a cease-fire. Israel had to withdraw its army. In 1967, Arabs attacked Israel once again. Israel decided that offence is the best form of defense and it attacked Egypt and destroyed its entire air force. It also occupied the territories of Gaza, Golan Heights and the West Bank. Israel while refusing to return the occupied territories despite UN resolution, agreed for a ceasefire. Israel believed that these occupied territories would act as buffer zones. This war was a setback to the Arab cause.

In the meanwhile, an organisation called Palestinian Liberation Organisation (PLO hereafter) was established in 1964 in Jordan and added a new dimension by bringing together all different Arab factions. Its aim was to regain the land it lost, without violence. However, in 1967 PLO under the leadership of Yasser Arafat applied pressure and force on Arab states to attack Israel. But the Arabs states were not very enthusiastic. Hence, a faction of PLO lead by Arafat carried out terrorist attacks like plane hijackings, holding hostage the Israeli Olympic Squad at the Munich Olympics in September 1972 and killing many of the sportspersons, etc. Israel used such attacks by the Palestinains to mount further attacks on them and refused to implement the promises it had made.

The region has been constantly in a state of war and terrorist attacks as a result of retaliation and counter retaliation. The PLO too broke into many mutually warring factions. Eventually Arafat gave up terrorism and agreed to find peaceful solution by recognising the formation of Israel. He held negotiations with Israel to end the long war and came to many agreements regarding self rule for Palestinians. Israel

agreed for withdrawal of its forces from West Bank in addition to giving voting rights to the Arab residents of Palestine. However, this was not successful as Israel

- What were the reasons for the conflict between Arabs and Israelites?
- Why did Egypt support the Palestinians during the conflict?
- Why do you think some Palestinians adopted the path of terrorism? What was its outcome?
- Find out about the condition of Palestinians who are living in refugee camps and constantly facing warfare and poverty.

failed to implement its promises and continued to attack the Palestinians under one pretext or the other. Many countries agreed to recognise PLO as the legitimate representative of the Palestinian state and Arafat as its President. Arafat died in 2004 due to suspected poisoning.

The Palestinians are still fighting for their homeland and peace under very difficult conditions of exile and warfare.

The Growth of Nationalism in the Middle East

The continued support of the US to Israel and the plight of Palestinians created a widespread feeling against the US in the region. The US also became unpopular because it supported undemocratic regimes in this area so that the oil resources were available to the US and its allies. People on the other hand wanted the revenue from oil resources to be used for the welfare of common people who did not have any other resources in the desert area. In 1968 a coup took place in Iraq in which Saddam Husain came to power with the twin slogan of Arab Nationalism and Socialism. By socialism they meant nationalisation of oil resources and the use of oil revenues by the state to fund welfare measures for the citizens. Similar developments took place in Libya in 1969, (you have read about this in class IX, chapter 19). These regimes combined welfare policies with very autocratic and dictatorial rule of a ruler or a small group. They did not allow any opposition or democratic protest against themselves.

In many cases the opposition to the US and US backed regimes took religious colours. Nationalist forces, instead of supporting the idea of equitable distribution of wealth and opportunities fostered the idea of establishing religious orthodoxy in those countries. A revolution took place in Iran in 1979 in which the old King of Iran (who was supported by the US) was removed and a new government jointly controlled by Shia Islamic clerics and democratically elected leaders was established.

The Taliban which took over Afghanistan after the withdrawal of Soviet troops similarly established an extremist Islamic state. These states tried to force all people to strictly follow the rules laid down in religious texts. In many cases this meant the denial of basic freedom and equality of opportunity to women and to religious minorities.

The beginning of the twenty first century witnessed growing discontent among

the Arabs which resulted in the growth of religious terrorism. Some Arab terrorists hijacked two aircrafts in the US and crashed into the World Trade Centre in New York killing thousands of people. This led to a war against Taliban and eventually to a war against Iraq. Find out more about these recent events from the newspapers and magazines.

- What are the similarities and differences between Arab Socialist Nationalism and Religious Nationalism?
- Find out more about the developments in Iran and Afghanistan under the Taliban to understand how religious states work.

Peace Movements, Collapse of the USSR and the end of the Cold War

As time passed USSR and USA came under tremendous public pressure to roll back the arms race and destroy their nuclear arsenal. You will read more about this later on in this book. This forced them to hold talks to mutually reduce the stockpile and weapons race and eventually to ban nuclear tests between 1985 to 1991.

This was largely made possible by the coming to power of Mikhail Gorbachev in the USSR. He tried to transform the politics of USSR by making it more open and bringing about radical changes. He was a liberal who introduced certain reforms for the revival of their economy and promoted healthy relations with the West. The reforms introduced by the open regime are often described as ‘Glasnost’ and ‘Perestroika’.

Around the same time the countries of Eastern Europe faced serious economic crises and the USSR was not in a position to help them. As a result popular movements demanding freedom, democracy and economic reforms swept Eastern Europe. Soon the governments unable to manage the country collapsed. This is best symbolised by the break up of the infamous Berlin Wall that separated Eastern and Western portions of Germany and symbolized the unpopular control of the USSR over Germany.

In the USSR itself Communist hardliners encouraged a coup in 1991 to remove Gorbachev from power. This backfired and Boris Yelstin resisted the coup on behalf of the Russian parliament. He eventually won the Presidential elections and announced the disbanding of the USSR in 1991. The components of the former USSR became independent countries and many of them formed an alliance with Russia later on.



Fig 20.7 : Demolition of Berlin Wall that divided East and West Germany

- Explain the terms bipolarity and unipolarity.

With the collapse of the USSR a new era began in world politics the era of unipolar world and the era of Globalisation. You studied about this in a separate chapter in this book.

India and its Neighbours

We saw that India was founder of the NAM which sought to keep an independent position between the two superpowers. India tried to base its foreign policy on the Gandhian principles of peace and non-violence. To emphasise its determination for peace Jawaharlal Nehru formulated his renowned Panchsheel principles:

1. Respect for each other's sovereignty and territorial integrity.
2. Non-interference in the internal affairs of other countries.
3. Non-aggression and settlement of disputes with mutual understanding.
4. Endeavour to achieve cooperation and mutual respect in international relationships.
5. Promoting peaceful coexistence.

These were to determine India's relations with other countries, especially its neighbours – China, Pakistan, Sri Lanka and subsequently Bangladesh.

Read through the following account of India's relation with its neighbours and see to what extent it has been based on these principles.

India's relation with China (Sino-Indian relations)

After a long struggle and a violent revolution, China became a Communist republic in 1949. India was one of the first countries to recognise China's Communist government. India also supported a permanent seat in UN Security Council for China, the seat that was earlier occupied by the Chiang Kai Shek Government. India helped China take part in Bandung conference in spite of their ideological differences. Both countries signed the Panchsheel pact on 29 April 1954. The leaders of both countries visited each other's country and they were greeted by large friendly crowds.

During the colonial rule Mc Mahon line was drawn as the border between the countries. Nehru accepted it. Tibet which lay between China and India was to be an independent buffer zone. But China annexed Tibet in 1950 on the plea that it was dependent state of the old Chinese Empire. This removed the buffer between the two countries. There was a revolt in Tibet which was crushed by the Chinese. Thousands of Tibetans escaped along with Dalai Lama and took refuge in India. India gave asylum to Dalai Lama, this caused a conflict, and Chinese started considering India as an adversary. Prior to this, a border dispute had surfaced between India and China. China laid claim to Aksai-chin area in Ladakh region and much of Arunachal Pradesh. Despite many efforts and long discussions, the conflicts have not been resolved till today.

China invaded India in October 1962 violating the peace treaties it signed with

India. India was not prepared for this surprise attack and suffered much losses. Eventually China declared unilateral ceasefire and withdrew its troops to its pre-war position. It took more than a decade to resume normal relations. Full diplomatic relations were restored only in 1976.

Now both countries have strategic as well as economic advantage as they are recognised as rising powers of Asia. The two countries today have the ambition of emerging as major world economic and political powers. Thus they also see each other as economic and political competitors. At the borders, both governments have taken measures to maintain peace and tranquility despite occasional actions to the contrary.

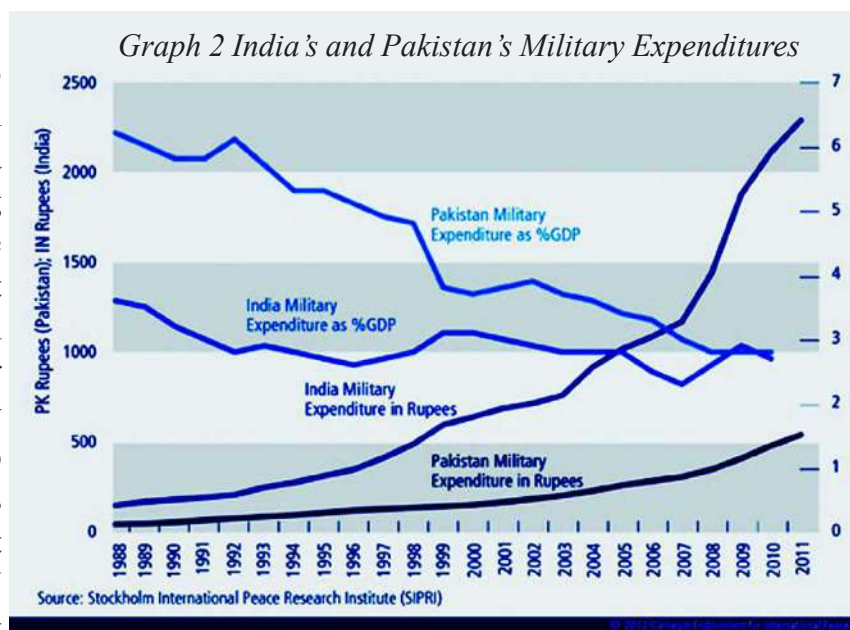
- Do you think it was correct for India to give refuge to the Dalai Lama and his Tibetan followers?
- Do you think China was justified in wanting to control Tibet?
- To what extent do you think both the countries can forget about their past conflicts over the boundaries and develop meaningful cooperation and friendship?

India's relation with Pakistan

As we saw in an earlier lesson India and Pakistan became independent nations by bifurcating the erstwhile British India. After partition the conflicts between India and Pakistan became perpetual, the main bone of contention between the two countries being Kashmir.

The first war between the two countries took place in 1947-1948 for Kashmir. But it did not settle the problem. The war divided Kashmir into two parts: Pakistan occupied Kashmir (PoK) and the Indian province divided by a line of control.

In 1965, when Lal Bahadur Shastri was the Prime Minister, Pakistan was under the military dictatorship of General Ayub Khan. Ayub Khan hoped to provoke a revolt in Kashmir by invading India in the name of liberating Kashmir. However, the people of Kashmir did not respond to this and backed the Indian state in its war efforts. India responded by opening a front in Punjab targeting Lahore and this forced Pakistan to retreat from Kashmir front. UN secretary general U Thant



Religion and War

Lal Bahadur Shastri in a rally in Delhi after the end of the war, decried the attempt of Pakistan to use religious symbolism in the war claiming it to be a war of Muslims against Hindus. He proudly stated that India was a secular country.

“The unique thing about our country is that we have Hindus, Muslims, Christians, Sikhs, Parsis and people of all other religions. We have temples and mosques, gurudwaras and churches. But we do not bring this all into politics... This is the difference between India and Pakistan. Whereas Pakistan proclaims herself to be an Islamic State and uses religion as a political factor, we Indians have freedom to follow whatever religion we may choose [and] worship in any way we please. So far as politics is concerned, each of us is as much as Indian as the other.”

persuaded both countries to agree to a ceasefire. After the ceasefire, an agreement was signed between the two countries at Tashkent in 1966 by the two Prime Ministers.

In the beginning of 1970, Pakistan faced the biggest internal crisis. The military dictator of Pakistan, General Yahya Khan promised democratic government and ordered elections. The election produced a split verdict-West Pakistan was won by Zulfikar Ali Bhutto while Awami league led by Sheik Mujib-ur-Rahman swept the polls in East Pakistan. But the government of Pakistan refused to accept neither the verdict nor the

demand of Awami League for a greater autonomy for East Pakistan. Instead, they arrested Mujib-ur-Rahman and unleashed a reign of terror. India was faced with an influx of refugees from East Pakistan. Supporters of Mujibur Rahman organised a liberation struggle in the form of ‘Mukti Bahini’. India under its Prime Minister, Indira Gandhi, began to provide support to it and tried to win international support for its cause. India also signed a treaty of friendship with the USSR which promised support to India.

A full-scale war broke out with Pakistan in December 1971. The war ended only after the liberation of East Pakistan leading to the creation of Bangladesh and declaration of ceasefire by India. Later the Shimla agreement was signed between the countries under the leadership of Zulfikar Ali Bhutto and Prime Minister Indira Gandhi.

Since the 1971 war there has been no open war, but innumerable border skirmishes and battles over respective positions across the border. You may have heard of the ‘Kargil War’ in which anti-Indian militants had occupied portions of Indian territory with the backing of Pakistani army and had to be repelled through a major military operation in 1999.

Pakistan has over the years encouraged separatist movements in the border states of India like Punjab and Jammu and Kashmir. India has often accused Pakistan of not only supporting such movements but actively training and sending religious extremists to foment trouble in India. Pakistan in turn has been accusing India of trying to destabilise it and constantly threaten it with military action and stockpiling of nuclear arms and missiles. This has also led to the two countries spending

inordinate amounts of scarce funds on arming themselves against each other. Both the countries have nuclear weapons and believe that it acts as a deterrent.

At the same time given the long history of shared culture and civilisation, the people of India and Pakistan have often tried to overcome the hatred nurtured by vested interests and build bridges of friendship through trade, sports, films, tourism and cultural exchanges. Many Indians and Pakistanis feel that secularism, democracy and freedom in both countries will enable a greater understanding and cooperation between the two people. These ideals are under threat by forces which seek to promote conflict between the two countries.

- What steps do you think both India and Pakistan should take to build lasting peace between the two countries?
- Why is peace between India and Pakistan necessary for the development of both the countries?

India's relation with Bangladesh

Bangladesh was liberated from Pakistan with the help of Indian troops in 1972. It signed a 25 years peace treaty with India immediately after its independence. However, they have had differences over several issues like sharing of river waters of the Ganga and the Brahmaputra. India also opposed the large-scale illegal migration of people of Bangladesh into India. The Bangladesh government objected fencing of borders by India to prevent illegal entry. It feels that India behaves like a big brother in this region.

In spite of these differences, both the countries have cooperated on many fronts, especially on the economic front. Bangladesh is an integral part of the Indian 'look East policy' to link up south Asia via Myanmar. Both have cooperation on disaster management. Bangladesh has rewarded many Indians who rendered their services and sacrificed their lives for the liberation of Bangladesh.



Fig 20.8 : (Left) People Protesting against China in 1958 the banner says China Hands Off Tibet, (Right) East Pakistan Refugees arriving in India, 1971

- Many small countries feel that their larger neighbours act like 'big brothers'. What do you think is meant by this?
- Look at the map of India and Bangladesh and see why cooperation between the two countries is of vital importance to both.

India's relation with Sri Lanka

Sri Lanka is an island country situated in the Indian Ocean towards the south of India. It got its freedom in 1948. Since times immemorial, India and Sri Lanka have cultural, ethnic and economic relations. Both were decolonised almost at the same time and remain democratic till today. A major irritant in the relation between the two countries has been the treatment of Tamil speaking minorities by the Sri Lankan government. You have read about this in class IX – recall the discussion.

The large scale influx of Sri Lankan Tamil refugees into India posed a special problem. This led to a more active intervention by India which entered into an agreement with Sri Lanka and the Tamil militants to maintain peace on the island. You have also read earlier about India sending its armies to keep peace in Sri Lanka and the assassination of former Prime Minister Rajiv Gandhi by Tamil militants. Eventually India decided not to interfere when the Sri Lankan government began an all out war against the Tamil militants which caused immense bloodshed and violation of human rights. This enabled Sri Lanka to finally bring a cessation of

- Compare the support of India to Bangladesh and its role in military conflict on the island. Sri Lanka. Do you think the situation was similar or different?

Key words

Military alliances	Proxy war	Arms race	Unipolar	Bipolar
Decolonisation	Peace	Veto	Ethnic conflict	Panchsheel

Improve your learning

1. Choose the correct answer: Which among the following statement about the Cold War is wrong?
a) Rivalry between US and USSR. b) USA and USSR engaged in direct war.
c) Triggering off an arms race. d) An ideological war between the two super powers.
2. Who amongst the following is not involved in the West Asian crisis?
a) Egypt b) Indonesia c) Britain d) Israel
3. What was the nature of shift in power in the world after the second world war?
4. What are the different roles done by United Nations in order to build peace in the world?
5. Given the idea of democracy do you think a few countries should have special powers in making the decisions?
6. How were the super powers benefited by military alliances?
7. How did Cold War produce arms race as well as arms control?
8. Why West Asia became a center of tensions in the world?
9. By the end of the 20th century there is only one single power that dominates the world. In this context what do you think would be the role of NAM?
10. "Formation of NAM was not merely in the context of military alliances but also in the context of economic policies". Justify the statement.
11. Make a table to show relation between India and neighbouring countries with following items: issues of conflict; events of war; events of help and co-operation.
12. "The ethnic conflicts affected India's relations with Sri Lanka". Justify.

You may have witnessed many movements in which people participate in large numbers, try to understand some problem or the other, decide in favour of some form of change and campaign actively for it. You may even have participated in some of them. Recall some such movement you have read about in the newspapers or participated in. What were the problems, who were the people affected, what did they want, who led the movement, how were the people persuaded to join the movement, were there any differences within the movement, how did the movement proceed and to what extent they achieved their objectives?

Background

The world during the first half of the 20th century was dominated by the great wars, revolutions, emergence of German Fascism, Soviet Socialism, Western liberalism, national liberation movements etc. However, with the end of the Second World War and the independence of colonies and semi-colonies like India, China, Indonesia, Nigeria and Egypt by mid 1950's a new era began in the world. This was an era of economic growth and prosperity for most of the countries, but also of growing tensions in many countries. Sections of societies which had long been denied equal rights came out asserting their rights.



Fig 21.1 : Photograph by Will C. of Elizabeth Eckford a black girl attempting to enter Little Rock School on 4th September 1957.

Civil Rights and Other Movements of 1960s

One of the most important such movements was the American Civil Rights Movement. It fought for equal treatment of Afro-Americans or Black Americans and against rules that permitted segregation of blacks and whites in schools, buses, and public places and discriminated against them in appointments, housing, and even voting rights. This movement reached its height during the 1960s. It was largely non-violent and took the form of massive demonstrations, marches, 'civil disobedience' (violating

discriminatory laws peacefully) and boycott of discriminatory services (like buses which segregated whites and blacks). One of the important actions was the year long boycott of buses by blacks in Montgomery led by Dr. Martin Luther King. This caused a huge loss to the bus company and eventually forced the court to ban segregation in buses in 1956. At the same time a powerful movement was

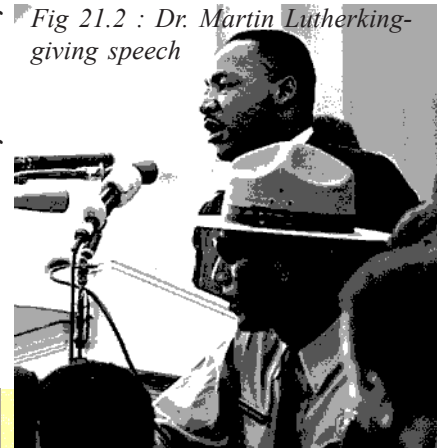
going on for ending segregation in schools (black and white children had to go to different schools). On 28th August 1963, more than two lakh people marched to Washington demanding the passage of Civil Rights Act and demanding among other things program for generation of employment, full and fair employment, decent housing, the right to vote, and adequate integrated education in which

whites and blacks could study together. This was addressed among others by Dr. King who made his historic speech, "I have a dream.." These laws were subsequently passed and after long struggle many of them got effectively implemented. This became an inspiration all over the world for leading non-violent social movements for reform and change.

As the movement grew in strength, several viewpoints emerged – many people agreed with Dr King that it was possible to achieve equality for all people through peaceful means and persuading the government to pass necessary laws. However, many others like Malcom X were of the view that blacks were a separate nation and should fight for independence from white rule. They also felt that in order to win power they will have to use all means including armed conflict.

A large section of people who actively participated in the civil rights movement were black women, who felt that their voice was not being heard even within the movement which was dominated by men. In fact no woman was allowed to speak in

Fig 21.2 : Dr. Martin Lutherking-giving speech



I Have A Dream..

Five score years ago, a great American, in whose symbolic shadow we stand today, signed the Emancipation Proclamation. This momentous decree came as a great beacon light of hope to millions of Negro slaves who had been seared in the flames of withering injustice.... But one hundred years later, the Negro still is not free. One hundred years later, the life of the Negro is still sadly crippled by the manacles of segregation and the chains of discrimination....

I have a dream that my four little children will one day live in a nation where they will not be judged by the colour of their skin but by the content of their character...

Dr. Martin Luther King Jr.

Try to read this famous speech of Dr King and write an essay on the ideals he set for American society and how he planned to achieve it.

the famous Washington March. They felt that women needed to assert themselves for equality of women.

All these diverse streams too contributed in their own way in building a powerful movement for equality which shaped modern history of the USA.

- Make a table and list demands of civil rights movement and possible solutions in your opinion.
- USA claims to be a democracy, yet it kept certain groups of people segregated, till middle of last century. Discuss how the idea of democracy need to be more inclusive in our context.
- Why do we hear different voices within a movement? Can you identify differences in them ?

Human Rights Movements in the USSR

In those days the USSR and the countries of Eastern Europe which were within the sphere of influence of the USSR had a government which did not allow free multi-party elections, free uncensored press or media, or even freedom of expression or movement for ordinary people. These governments were constantly under fear of conspiracies to destabilise them and kept a close control over all activities of people. As people grew tired of such controls many movements for human rights of freedom of expression, movement and free press took place in different parts of USSR and Eastern Europe. In countries like Hungary, Czechoslovakia and Poland this also took the form of demand for freedom from the control of USSR over them. Some of these movements also recieved support from the anti-Communist countries including the USA and UK. These movements for human rights had many shades of differences. Some of these trends called for greater freedom for common people, while others sought to dismantle the socialist system as it existed in these countries. Alexander Solzhenitsyn the famous writer and Andrei Sakharov the nuclear scientist were important leaders of this movement. Under the influence of these and other movements a new leadership emerged in

- Can you think of similarity or differences in the nature of political system in USA and USSR and how was their response to people's rights?

the USSR under President Gorbachev who initiated a process of reform called Glasnost to bring greater freedom for the people.

Anti-nuclear and Anti-war Movements

The 1970s and 1980s saw a new kind of movement- the movement against war and nuclear arms. The entire world was witness to the horrors of nuclear bombing of Hiroshima and Nagasaki in August 1945. Despite this leading superpowers like the USA, USSR, Britain and France began building arsenals of nuclear weapons justifying it as a means of deterring the other powers from using them. Those were

the days of intensive Cold War between the USA and USSR and also America's war with Vietnam. The entire world was constantly in fear of the break of another World War. It was feared that if a war broke out and nuclear weapons were used entire mankind would be wiped out of the earth. Thousands of scientists and intellectuals from across the world campaigned for abolishing all nuclear weapons and insisted that USA and USSR come to an agreement and end the futile Arms Race.

In the Vietnam conflict it is estimated that as many as 8,00,000 to 30,00,000 Vietnamese military and civilians were killed, apart from equally large number of Cambodians and Laotians. USA did not see any civilian deaths but a large military several personnel died and more were physically handicapped. Vietnam was a largely forested and poor nation in comparison with their opponents USA and France. The Vietnamese used guerrilla warfare techniques to fight the war. The USA invented and used newer arsenal like chemical weapons including napalm bombs destroying entire villages.

During the early 1970s as more and more American soldiers returned from Vietnam with serious doubts about the wisdom of bombing innocent people who in no way posed a threat to the Americans. More and more Americans were also unhappy about sending their children to war in distant Vietnam. Thus mass protests

"We Won't Go"

America has a law which requires all able bodied citizens to enrol in the army for a short period. During the Vietnam War thousands of citizens refused to get drafted into the army to fight in Vietnam. Let us read about one such protest refusal. This is a statement that appeared in a newspaper, *Harvard Crimson*:

"We, the undersigned, as American men of draft age, may be asked by our government to participate in the war in Vietnam. We have examined the history and the nature of this war, and have reached the conclusion that our participation in it would be contrary to the dictates of our consciences. We therefore declare our determination to refuse military service (*all citizens are required to do so by law*) while the United States is fighting in Vietnam. Our intention in signing this statement is to unite with other draft-age men who share our convictions, in order to turn our personal moral rejection of this war into effective political opposition to it."

Some thought that these people were being un-patriotic while others thought that they were justified in refusing to participate in an unjust war. Discuss in the class the two points of view and write a short note on arguments of both sides and your own viewpoint.

swept across America against the Vietnam War. This eventually forced the US government to end the war and leave Vietnam in 1975. The success of this campaign inspired peace movements across the world.

The nuclear arms race intensified after the end of Vietnam War as more and more countries competed with each other to stockpile nuclear arms. Companies which produced these arms (called the military-industrial complex) and the governments tried to create a war panic among the common people so that they support greater expenditure of tax payer's money on nuclear arms. Gradually many people especially in Europe realised that war mongering and the cosequent arms race only made the world more unsafe and increased the possibility of a disastrous war for all countries, even those not directly involved in the conflict. Massive protests took place against the policies of the governments demanding that they begin negotiation with other governments to reduce nuclear arms and work towards peace.

As a result of these pressures the USA and USSR, the main competitors in the arms race, began talks to cut down their nuclear arsenal - Strategic Arms Limitation Talks (SALT) which however were unsuccessful. Finally a treaty was signed in 1991 which is called Strategic Arms Reduction Treaty (START). START negotiated the largest and most complex arms control treaty in history, and its final implementation in late 2001 resulted in the removal of about 80 percent of all strategic nuclear weapons then in existence. A little after the signing of the treaty the USSR was dissolved and in its place a new Russian state was formed. With this ended the long period

Fig 21.3: a. Vietnam War protesters; b. female demonstrator offers a flower to military police on guard at the Pentagon. Discuss the ideas in these images.



- What were the different types of responses to the weaponisation?
- If people from different countries meet each other there would be less chances of war, than the governments alone deciding the policy with each other. Would you agree with this statement? Give reasons for the answer.
- Explain how environmental issues can affect people of nations who may have no role in deciding the location of nuclear plants, polluting factories etc. How do we deal with such situations?

of Cold War and the constant threat of a catastrophic World War. This did not however mean the end of war or violence between countries as we have witnessed disastrous wars in Eastern Europe, Iraq and Afghanistan.

During the last phase of the USSR a major accident took place in its nuclear plant in Chernobyl. This caused the death of a large number of workers in Chernobyl. But more important, it contaminated the atmosphere of a very large region including many other countries of Europe. Its effects created a new awareness among the people of the world about the danger of nuclear power whether for peaceful or warlike purposes. It helped to merge anti war concerns with the concerns of environmental protection.

Globalisation, marginalised people and environmental movements

Worldwide economic and political changes since 1990s, which go by the name of ‘globalisation’ or ‘neo-liberalism’ have deeply impacted the lives of the underprivileged and poor. Tribal people, poor farmers, landless workers, women, urban poor working in the unorganised sector and industrial workers, have been worst hit. By and large these are also the people without access to formal education or adequate nutrition and health. As a result they had no access to new better paying jobs or to legal or other constitutional remedies.

During the last few decades tribal and marginal farmers are also being threatened by commercial farmers, mining corporations, dam projects, etc. As the large companies find rare resources in remote rural areas, like minerals, rare plants or animals and water, there has been a rapid increase in the ousting of the farming and often tribal population from their traditional areas. This resulted in dispersion of the communities into new areas and the destruction of tribal cultures. As a result they have been reduced to being the most vulnerable section of the society. Together with this, such processes of development have severely threatened the natural resource base giving rise to environmental movements that seek to combine the voice of the marginalised with the anger over the destructive and violent nature of these development forces. These movements seek a vision that is different.

Greenpeace Movement in Europe

This movement initially started as a protest in 1971 against the American underwater nuclear tests near Alaska. Volunteers set out in a small ship to the test area to protest. This ship was named “Greenpeace” and this eventually became the name of the movement. Today it is spread over forty countries with its headquarters in Amsterdam (Holland) and has become an important international ‘non-governmental organisation’.

During the last few decades scientists discovered that pollution causes the depletion of the protective ozone layer in the atmosphere which is important to absorb harmful rays of Sun. Due to pollution the average temperature of Earth has been increasing steadily. This is causing the melting of Polar Ice Caps – the vast accumulation of water in the form of ice in the two poles. As the ice melts and joins the oceans, the water level of oceans and seas will rise causing submergence of land in the coastal areas all over the world. Countries like Bangladesh, Sri Lanka, Mauritius, India and Indonesia where a very large number of people live along the sea coast will face severe problem of flooding and submergence. Even people living deep inside the continent will not be spared as the global warming will cause erratic rainfall (unseasonal rains, excess rains and droughts) and crop failure. In other words global climate change will affect those countries whose population particularly depends upon agriculture.

Greenpeace has taken up the impact of climate change across many countries. It aims at “ensuring the ability of the Earth to nurture life in all its diversity”. Over the years the movement has developed the idea of ‘sustainable development’, that is development which is environmentally sustainable over long time and also just for all people, both of the developed world and the undeveloped world.

- Look up the website of Greenpeace movement (<http://www.greenpeace.org/international>) to find out about the issues they have been fighting for and how the methods they have used for fighting. Find out about the debates and controversies about this movement too.

Bhopal Gas Disaster related movements

You must have read about the great tragedy which happened in Bhopal in 1984. A poisonous gas leaked out of the Union Carbide factory (later this factory was purchased by Dow company). Thousands of people lost their lives and many more are still suffering from its ill effects. This was perhaps the worst industrial disaster in the world. Right from the beginning the people of Bhopal have been fighting for four main demands:

Proper medical treatment of the victims; adequate compensation for them based on international standards as the company was a multinational company; fixing criminal responsibility for the disaster on the management of the multinational company; and finally steps to prevent such disasters in the future.



Fig. 21.4 Bhopal gas tragedy being commemorated

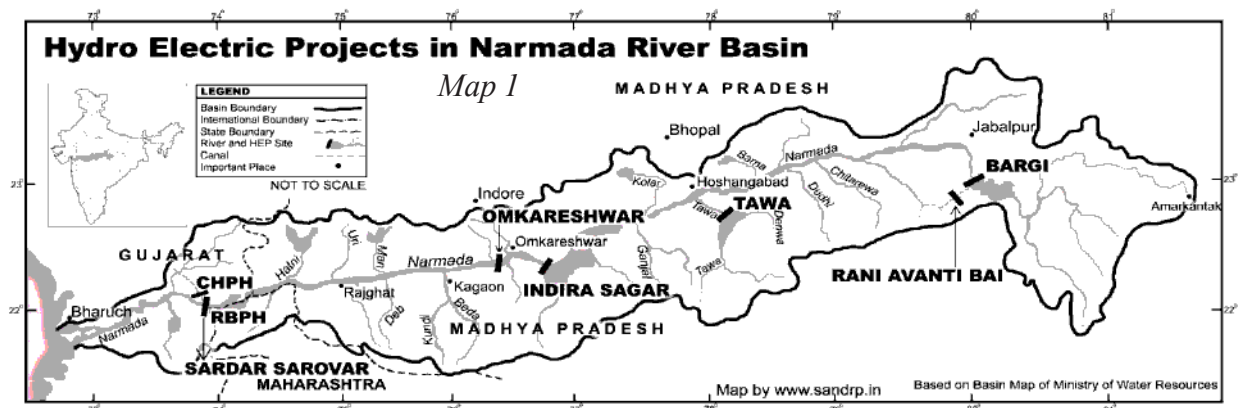
While they have succeeded to some measure, they are still a long way before they can claim to have achieved all the major demands. While enormous sums have been spent on setting up medical facilities in Bhopal, the victims are still suffering from its effects; compensation has been paid not as per international standards and that too not properly to all the affected people; the government failed to prosecute and punish the management of the company for its negligence which led to the accident. We do have better laws today, yet we still do not have a proper policy or adequate impartial inspecting mechanism which will eliminate the possibility of such disasters in the future. The protest against this has been even more complex since the company itself was based in USA. People today need to use international laws to fight against the problems that the factory workers and women who are affected by the pollution created by the company. Many people across the globe boycotted products made by the company. Today social mobilisation continues when the Dow company sponsored Olympics in London and people across the globe signed petition against it. Multiple organisations from around the world pointed at the unethical alliance of Olympic body with Dow.

Environmental movements

Environmental movements started in our country too in the 1970s as grass roots movements for protection of natural forests. One such movement was the Chipko Movement, which you have studied in chapter 12 .

Movements against dams on the Narmada river

Building of large ‘multi-purpose dams’ was an integral part of India’s planned development from 1950s. Some of these included large dams like Bhakra Nangal, Hirakud, and Nagarjunasagar. In the beginning people were too awestruck by the dams, the huge amounts of water it could store, the vast tracts it could irrigate, the amount of electricity it could generate, the floods and droughts it could control or prevent. So much so that no one asked what happened to the people, trees, fields



and animals who lived in the area submerged by these dams. Thousands of trees and animals and acres of fertile field and people who had been displaced to build these dams were completely ignored. They had no place to go and had been evicted with paltry or no compensation. For most people this was a small price for the huge benefits the large dams brought to the people of the country. Soon people began to question even this as it turned out if you actually accounted for all the expenditure and all the losses incurred in terms of forests and fields and villages, the investment in the dams did not yield adequate results. This was because the cost of the dams was huge and often it increased due to delays in construction and price rise. Secondly, they seldom irrigated the amount of land initially proposed to be irrigated or produce as much electricity as projected. This was because the actual amount of water that could be stored in the dams was usually less than what the engineers had assumed. All these questions came up when the government proposed to build a series of major and minor dams across the Narmada river in one of the most ambitious river valley projects in India's history.

People who stood to be displaced from the project, demanded a fair compensation, not just to those who owned land, but all those who lived there. They also demanded proper rehabilitation with land in return for the land lost and also afforestation to compensate for the loss of forests under the dam. Soon people realised two things: that there was actually no adequate land available to compensate for the loss and that it was really not possible to rehabilitate all the displaced people properly. Secondly people began to realise that the problem was not the question of compensation or rehabilitation but one of faulty notion of development. A development which was based on unsustainable use of natural resources, only paved the way for setting up of industries and commercial farms at the cost of farming and tribal communities. It only made unskilled manual workers out of the poor farmers and tribals without enhancing the quality of their lives in any way.

The leaders of the movement decided to oppose the very construction of the dams. In chapter 12 you read the letter by Bava Mahaliya. He was part of the Narmada Bachao Anodolan (NBA) that organised peoples movement in the Narmada Valley against the dam.

Initially the Sardar Sarovar Project was expected to be built with money borrowed from World Bank. After intense protests, mobilisation, marches, hunger fasts and an international campaign World Bank decided to withdraw its funding.



Fig. 21.5 Protest in Narmada valley against

Though it failed in its attempt at stopping the building of Sardar Sarovar dam, the NBA movement succeeded in forcing everyone to think about the nature of development – whether it was in the interest of the poor or of the rich and powerful. It succeeded in forcing everyone to rethink about the utility of large construction

- Is it impossible to build factories or mines or power plants without throwing out farmers or tribal people? What can be the alternatives? Discuss in your family and school on these issues.

projects that interfered with nature on such a large scale. It forced governments to consider giving adequate and respectable compensation for such ‘development induced displacement’ of people.

The NBA movement combines in itself many strands like the movement of indigenous people, movement against neo-liberal policies, struggle of farmers to hold on to their land as attempts are being made to take them over for dams, urbanisation, industries, mines and forests.

STATE OF INDIA'S ENVIRONMENT

CSE was founded by Anil Agrawal in 1980 to study environmental and developmental issues in India and build awareness about these problems. It began with the publication of its famous series, Citizen's Report of State of India's Environment in 1982 and these reports have become authoritative references on various environmental issues facing the country today. Visit its website (<http://www.cseindia.org>) to know more about its work and issues studied by it.

Movement of Women for

Silent Valley Movement (1973-85)

When it was proposed to build a dam across two rivers flowing in the Silent Valley in Western Ghats in Kerala, many educated people realised that this would be disastrous for the rare species of animals and plants that lived in that valley. These included one of the most endangered primate species, the Lion Tailed Macaque (a kind of Monkey). Gradually, a major movement developed against the dams and in favour of saving the Silent Valley. People across the state were mobilised by the Kerala Shastra Sahitya Parishath (KSSP) an organisation working for popularisation of science and learning among common people. They went to the court and appealed against clear felling of trees in the project area and Kerala High Court ordered stopping of clear felling. In view of the severe protests the government finally decided to give up the dam project and convert the Silent Valley into a National Park in 1985.

Fig. 21.6 : The forest here did not have the crickets and therefore the forest was 'silent'. Lion tailed macaque and many other species of insects and birds are unique to it.



Fig. 21.6

Interview with Medha Patkar

The following is an interview of Medha Patkar, one of the leaders of NBA talking about the organisation in 2010.

Is there any point in continuing the struggle now that the Gujarat government has done exactly what it wants to?

“The struggle cannot be over unless the goals are attained.

“Though the government’s declared policy and plan is trumpeted to be progressive and land-based, it is obvious that it has not been able to guarantee land to those who lost their livelihoods. The environmental measures have not been complied with yet. To raise the height of the dam disregarding various conditions made in the clearances and the policy promises is unjust.

“The struggle will also have to continue to show to the world that whatever little was achieved by submerging the habitats of nature-based communities and incurring huge social, environmental and financial costs is not going to the really needy people of Kutch but to corporates and the big cities in Gujarat. The NBA demands a change in this pattern. The struggle against displacement, destruction and disparity is also to continue with alternative development paradigm and reconstructive work as is being carried out not only in the Narmada valley but across the country....”



Fig 21.7

- What were the various strategies used by social movement?
- How the people in movement see the process of resettlement promises?

social justice and human rights

We have studied in the earlier classes about the unequal treatment of women and the struggle being waged by them for equal rights and opportunities, personal safety and justice. Women have been at the forefront of many important social movements in the recent past. Here we will take up two specific examples to understand this better – the anti arrack movement of Andhra Pradesh and the movement of Manipuri women against special powers of the armed forces which had been misused against people of the North Eastern states.

Adavallu Ekamaite

“This is not a story. This is the achievement of women who have studied in an evening school. Our village is Dubagunta. We are wage earners. We produce gold from earth. But all our hard-earned money is spent on toddy and arrack. When

our menfolk do not have money they sell away our rice, ghee or anything that fetches them arrack [...]. They take away whatever they can lay their hands on.... Apart from drinking they abuse us, pick up fights with us, slap our children. They make our day-to-day existence miserable [...]. Then we read the story of Sitamma's in the primer. It made us think. Who is responsible for her death? We then told the sarpanch to close the arrack shop. But we could not succeed.

“So next day, hundreds of us marched out of the village and stopped a cart of toddy. We told the owner to throw away the liquor. We said all of us would contribute one rupee to compensate his loss. He was terrified. From that day no toddy has entered our village. Then, when a jeep carrying arrack arrived in the village we surrounded it and warned the owner that we would lodge a complaint with the magistrate. This sent a shiver down his spine. He closed his shop. Now we gained in confidence. We realised that this victory was possible only through education. This year no one dared participate in the arrack auction.”

This took place in 1992 and was not an isolated incident. As the news spread women of other villages too put an end to the sale of arrack in their villages. Eventually they marched in thousands to stop the annual auction of arrack contract by the Collector of Nellore district. The Collector postponed the auction six times and eventually the auction had to be cancelled.

In other areas women led marches against liquor shops and picketed and tried to close down the shops. They tried to stop the sale of alcohol by preventing the stocking of the shops or deterring the customers from purchasing liquor. Liquor shopkeepers who refused to close their shops had to face picketing, throwing out liquor packets stored in the shops or setting the alcohol on fire. In several villages women shaved the moustaches or the heads of intractable men, or even paraded them through the village on donkeys. In addition, men often had to swear oaths in temples to stop drinking. After innumerable meetings and protests by women across the state, arrack was officially banned in October 1993 and total prohibition was imposed in 1995.

These women belonged to the poorest section of our society, from the dalit castes who were deeply tormented by the increasing addiction of their husbands and menfolk to arrack. Many of these women had begun to go to literacy classes and often they would discuss this problem there. These classes gave them a place to discuss their lives and build networks of contacts. Once the movement started its experiences were quickly transmitted to women across the state through the literacy primers which were read by women in all districts of the state. Thus women from the most deprived sections were able to stand up against the most powerful and violent lobby of arrack manufacturers and sellers who not only had a lot of money and muscle power but also political power.

Today the situation is again different and the arrack shops are back in action. This only shows that only through constant vigil and action can the gains of such movements be sustained.

- Find out about more recent such struggles in West Bengal (Nandigram), Odisha (Niyamagiri) and Andhra Pradesh (Polavaram, Sompeta etc). Prepare a poster explaining the main features of the struggle in each of these cases.

Social mobilisation on human rights

Now we will see how women of Manipur, in the North Eastern India fought against some laws which allow the armed forces to suppress people without any process of judicial review of their actions. (i.e. people cannot challenge the action of armed forces in law courts).

Few Articles from the human rights are listed below. Read this section twice. first read through the entire section and note the Human Rights that should be available to all people. Later fill the para and line section below which you think is related to the violation or are in conflict with the provisions of Human rights. (Every item may not get marked leave them as blank.)

Fill in the Para and line after reading the next two pages:

Article 3: Everyone has the right to life, liberty and security of person. Para ____
line ____

Article 5: No one shall be subjected to torture or to cruel, inhuman or degrading treatment or punishment. Para ____ line ____

Article 7: All are equal before the law and are entitled without any discrimination to equal protection of the law. All are entitled to equal protection against any discrimination in violation of this Declaration and against any incitement to such discrimination. Para ____ line ____

Article 9: No one shall be subjected to arbitrary arrest, detention or exile. Para ____
line ____

Article 10: Everyone is entitled in full equality to a fair and public hearing by an independent and impartial tribunal, in the determination of his [or her] rights and obligations and of any criminal charge against him [or her]. Para ____ line ____

Article 12: No one shall be subjected to arbitrary interference with his [or her] privacy, family, home or correspondence, nor to attacks upon his [or her] honour and reputation. Everyone has the right to the protection of the law against such interference or attacks. Para ____ line ____

Article 13: (1) Everyone has the right to freedom of movement and residence within the borders of each state [state here means country]. Para ____ line ____

(2) Everyone has the right to leave any country, including his own, and to return to his [or her] country. Para ____ line ____

Historical Context

Manipur today is composed of two distinctive geographical terrains: the valley and the hills. Before independence, the valley was under princely rule and the hill areas were relatively autonomous, mainly inhabited by the tribal population. In 1891 the British established their control over the region though the king continued to rule the kingdom. The kingdom of Manipur signed a merger agreement with India in 1949 and Manipur was made a part of India. This agreement was disputed by many tribes which argued that they had been autonomous and did not agree to be a part of India.

In response to those opposing the accession with India, the government has deployed the Army. One of the laws that have been imposed to maintain law and order is called the AFSPA i.e. Armed Forces Special Powers Act (1958). The Act gives to the security forces the right to arrest or shoot people simply under suspicion of being involved in anti-national activities. It is argued that provisions of the law have been abused, and often there has been torture, killing and harassment of innocent individuals including women who have been exploited and violated by security forces. As women and mothers (*Ima*), they are also worried about their sons or husband being picked up and tortured under the suspicion of being against the nation. And daughters or mothers themselves being sexually abused. Sometimes the women who are abused end up committing suicide. One of the instances that gained widespread attention was the protest against the custodial death of a 32 year old woman Thangjam Manorama.

Meira Paibi Movement

Meira Paibi (in Meitei language) literally can be translated as ‘torch bearers’. Meira Paibi originated as a movement to prevent public disorder due to alcohol abuse in the late 1970s. But, it soon became a movement for human rights with the massive deployment of Indian armed forces to counter the armed movement for Manipuri independence in the early 1980s. It was also at a time, when the state was declared a ‘disturbed area’ and sweeping powers in the name of AFSPA were given to the Indian armed forces. This resulted in frequent military operations and human rights violations. The Meira Paibi responded instantly with protest demonstrations. The Meira Paibi took to patrolling the streets at night. Women of every *leikai* or ward of every town and village participated in the daily patrolling, bearing no weapons but only the bamboo and rag kerosene torches. Every night, in every *leikai*, at every lane junction, groups of women sit in vigil against threats and disruptions to peace in the community. In periods of relative peace, a few women would keep the vigil taking turns. But during moments of high tension, participation is more widespread. These are not activist or politically inclined women; they are ordinary women who take on themselves the traditional responsibility for the safety and well being of the community. Meira Paibi group has also been demanding that



*Fig. 21.8 :
Meira Paibi*

*Women in a
rally*

AFSPA be revoked. Gradually, the movement against this Act has grown in strength and women have expressed their struggle in different forms from boycott of elections to sitting on relay hunger strikes. One amongst them Irom Sharmila has been on hunger strike for more than 10 years and is under house arrest.

There have been many attempts to resolve the problem. Sometimes former army officers themselves have written extensively about the conflict in the region and identified that developing better infrastructure and facilities alone can win over the peoples acceptance. The Government appointed a Supreme Court judge BP Jeevan Reddy to look into the possibilities of revoking the Act in the region. Even though the committee has submitted its report, a final solution has not yet been arrived at.

Some common features across social movements

Social movements have raised diverse demands cutting across strict boundary of environment or human rights. Their arguments borrow from these different principles. You may notice that Mahaliya and Luther King too were raising elements of human rights ideals, while raising the questions of environment and equality. In some context movements resist changes that are forced upon them. Others like Martin Luther King or Meira Paibi demand for change. Social movements often distance from individual political parties, and are more united under a single cause. Its members may belong to different political parties. Often their programmes are envisaged through participatory and democratic manner. Social movements arise when people of a region or of a cause feel that their expectations have been unmet by the larger political systems that is prevalent in a country.

Key words

Civil Rights	Civil disobedience	Segregation	Destabilise
Antiwar	Draft age	Weaponisation	Rehabilitation
Compensation	Anti-arack	Democratic	Participatory

Improve your learning

1. Here are list of items that you can use for making a table on social movements. Find out similarities and differences amongst the movements:

Main area of focus of the movement; location; main demands; modes of protest; important leaders; response from the state; possible impact on society;

2. Kannayya, Ramya and Salma have a debate. They have different expectations. Whom would you agree with and give reasons, from the context of human rights? Ramya argues it is okay to restrict the freedom of the press etc but ensure people do not live in poverty. Salma argues that food alone is not important but equally important to have freedom of press because there is no other way people would know if there is violation of dignity of people in different parts of the country. Kannayya says, how will it make a difference if press belongs to the rich and powerful people, why would they cover things that ordinary people expect.
3. What are the basic feature of social movement?
4. How is the role of ordinary individuals described in the above case studies?
5. How are the rights of black people in USA and Meira Paibi movements similar or different?

6. Democracies have been identified as most promianent political systems across the world. Do you think it has been able to take care of all expectations of people? Based on the examples sited in these chapters write a short note on ‘democracy and social movements’.

The screenshot shows a Change.org petition page. At the top, there's a navigation bar with 'change.org', 'Start a petition', 'Browse', and 'Search'. Below that is a photo of protesters holding signs that say 'Justice for NOW!', 'JUSTICE FOR BHOPI NOW', and 'LONDON OLYMPIC PROTEST DOW!'. The main heading of the petition is 'Drop DOW Chemical as partners for the London 2012 Olympic Games #Bhopal'. It mentions 'Petitioning Lord Sebastian Coe Chairman, London Organising Committee of the Olympic Games'. On the right side, there's a 'Sign this petition' section with a progress bar showing 'with 29,653 supporters' and '1,549 NEEDED'. Below the progress bar are input fields for 'First Name', 'Last Name', 'Email', and a dropdown menu for 'India'. There's also a 'Postal Code' field and a 'Why is this important to you? (Optional)' field. A red 'Sign' button is at the bottom right. At the bottom left, it says 'Petition by Lorraine Close, London, United Kingdom'.

7. Discuss and find out how movements mobilise people from across the globe like in the above instance of campaign to protest in the context of Bhopal gas tragedy.

Part - I : Right to Information

Gattu Swetha is from Manakondur Mandal in Karimnagar District. She was a student of M.Sc at Kakatiya University. She had completed her B.Sc degree because of the Right to Information Act (RTI).

Swetha completed her B.Sc final year exams in March 2011. She scored high in all the subjects except Chemistry where she was awarded only 21 marks. She could not understand the reason why she scored low. She studied hard again and attended the “instant examination” in the month of June. This time she got only 9 marks. She could not understand why she was getting fewer marks despite her good efforts in the examination. She approached the Kakatiya University and applied for revaluation but they did not accept her request. In the meantime Swetha cleared her M.Sc. entrance examination. But the University would not admit her in to M.Sc. without her having cleared the Chemistry paper in the B.Sc. examination.

She then consulted the activists of Right to Information Act, and submitted an application requesting for the photocopy of her answer sheet. The officers at the university refused to give the copy of her answer sheet. As the admissions of M.Sc. were approaching, she went to the State Chief Information Officer and appealed against the refusal to give her answer sheet by the Public Information Officer (PIO) of the University. The State Information Commissioner ordered the University Officials to give her the copy of the answer sheet. They sent the marks memo to her after conducting revaluation. This time she got 51 marks and therefore passed her exams and therefore admitted to M.Sc.

Swetha could not have accessed the photocopy of her marks sheet without the RTI enabling Act. In the earlier days mark sheets were not given to students and only their marks were given at a university exam. Hence students would not be able to verify if each answer has been marked correctly.



In class VIII you have already studied that the Right to Information Act 2005 was passed by the Central Government. The Act was passed as a result of people's mobilisation as well as in recognition of the provisions in the Constitution that provides Rights to citizens. In this chapter we briefly look at the two roles that need to be played for getting the benefits of RTI to the people. The first one is the role of the government departments and the second is that of the citizens. In any democratic system, governments are responsible and accountable to the people. Earlier accountability of government departments and its functionaries were mostly limited to the elected representatives of the people. Disseminating information that is generated in government department to any citizen who may be interested, now becomes the responsibility of all government departments.

What is information?

Every government department functions on the basis of certain rules and regulations. There are rules and regulations that say how Health Department should select, appoint, transfer doctors and nurses in a hospital or how medicines should be procured, and distributed. In the Revenue Department the rules should be about land records. Or in the Education Department it would be about how schools procure books, distributes midday meals, arrange for hostel facilities, allows leave for teachers, collects money for building, playground etc. In each of these situations there are rules to be followed, records to be kept, and description of decisions taken. These generate various written documents in the system. It could be in different forms as described in the RTI as following:

“material in any form, including records, documents, memos, e-mails, opinions, advices, press releases, circulars, orders, logbooks, contracts, reports, papers, samples, models, data material held in any electronic form and information relating to any private body which can be assessed by a public authority under any other law for the time being in force.”

What is it that a citizen can do with this information is crucial. Suppose, there is a suspicion about malpractices in the functioning of the department, individuals can collect the information and challenge the procedure followed. Prior to the RTI individual citizen could not have found out how the education department distributed uniforms or health department procured medicines. It was only the higher executives or the Minister of the Department that could access and verify them.

Enactment of the RTI effectively means that individual government departments now have a responsibility to maintain records and make them available to any citizen who may ask for it. Moreover, it is possible that even before being asked by citizen a department may voluntarily disclose its process to public. Hence, in some states, as the roads are built or repaired the Public Works Department (PWD) may put up

- Discuss what could be the reason information would not include oral instruction of a headmaster to a teacher.
- Imagine how government departments become more accountable when rules and regulations were followed within prescribed manner.

a notice board in the area saying how much money was spent or how many labourers were employed, the number of days that took to complete the work etc. All this ensures better transparency.

Who is responsible?

From the above description it may have become clear, that there is need for a structure in order to implement such a law. Hence, as we studied in class VIII, there are Public Information Officers (PIO) in every department, as well as an appellate authority in the same department including your government school. All PIOs of all departments and the appellate authority are answerable to the State Public Information Office (SIO) with a State Public Information Commissioner (SPIC). If a government department falls under Central Government, then PIOs are accountable to Central Information Office (CIO) with a Central Public Information Commissioner (CPIC). These departments are autonomous like the Chief Election Commission or Judiciary etc.

Let us try to understand this with a specific case. Suppose you live in a village. You want to know what was the expenditure on construction of a road in your village. You can file an RTI either at the mandal or the district department of the PWD. If you file this RTI at district headquarter of the PWD department they cannot reply that the answer will be made available from the mandal department. Or if you file this at the mandal department of PWD it cannot ask you to collect this information from district department. In case this information is not available with them, it becomes their responsibility to send it to the concerned authority who has the information and ask them to make it available to the citizen.

However, suppose both the PIOs refuse to reply to your application, what can be done? Here is where the role of SPIC and CPIC become important. The PIO at the PWD department are held accountable to these bodies. And SPIC and CPIC can impose fines on these PIOs.

It is important to remember that information officers are however not responsible to take action if there is a violation of laws in the functioning of these Departments. This power would still remain with the courts of the country. What the SPIC or CPIC can however do is to ensure that correct information is provided within specified time. In case some PIOs refuse to give information such officers can be penalised on the orders of SPIC or CPIC.

The Act identifies public authorities who are expected to follow the RTI Act as following: a) Institutions created under the Constitution; b) made under the laws

of Parliament or State Legislatures; c) created through a notification or order of the appropriate governments. It may include any body owned, controlled, or substantially financed or Non Governmental organisations substantially funded by governments either directly or indirectly through the funds.

Under the provisions of the 2005 Act public authorities are obliged to a) maintain all information in a computerised format; b) publish all detailed information pertaining to the organisation. Some of it is as follows:

- (1) Every public authority shall:
 - a) Maintain all its records duly catalogued and indexedso that access to such records is facilitated;
 - b) The authority shall publish
 - (i) The particulars of its organisation, functions and duties;
 - (ii) The powers and duties of its officers and employees;
 - (iii) The procedure followed in the decision making process, including channels of supervision and accountability;
 - (v) The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions
....
 - (viii) A statement of the boards, councils, committees and other bodies consisting of two or more persons constituted ... for the purpose of its advice,
 - (ix) A directory of its officers and employees;
 - (x) The monthly remuneration received by each of its officers and employees, including the system of compensation as provided in its regulations;
 - (xi) The budget allocated to each of its agency,
 - (xii) The manner of execution of subsidy programmes, including the amounts allocated ...
 - (xiii) Particulars of recipients of concessions, permits or authorisations granted by it;
....
 - (xvi) The names, designations and other particulars of the Public Information Officer;
 - c) publish all relevant facts while formulating important policies or announcing decisions which affect the public

- d) provide reasons for its administrative or quasi-judicial decisions to affected person.
- 2) public authorities are required to disclose information on their own even without being asked for it.
- 3) it shall be done in a manner that is easily accessible to public
- 4) to be done in local language and given at a cost which is affordable

Exemptions for disclosure

All this does not mean that every aspect of the government department are under public scrutiny. The law permits the governments not to disclose certain information. Some of these include issues such as:

- Information that could affect the sovereignty and integrity of India, matters that could be of strategic economic or scientific interest of the state in the context of foreign powers.
- Information that could breach the privilege of Parliament or State Legislature
- Information received in confidence from foreign Government
- Information that could endanger the life or physical safety of a person
- Cabinet papers or records of Council of Ministers and Secretaries (before the final decision is taken)

This means that most of our armed forces and security agencies are outside the purview of Information Commissions.

Who can make changes in the Act? Since the inception of the law there have been many occasions when certain provisions of the Act were contested by many

- According to this Act, if any officer fails to give the specified information, she/he will have to pay the fine. Do you agree with this? Why?
- What type of information is not accessible to the citizens? What is the argument in favour of this?

departments. If the Parliament wishes it can change the law again, however this cannot be done in violation of the Fundamental Right to Information itself as understood and defined in the Constitution.

People and RTI

Now let us briefly discuss how and what role do people have in the context of RTI. Any citizen today can approach any department of the government and ask for any information that could be in the form of a record. It is not necessary that she or he gives an explanation as to why the information is required. This request can be sent through a handwritten letter or electronic mail. Information will be provided



Fig 22.1: A rally on RTI

in the official language of the State or in English or Hindi. Suppose an individual is not able to write the application, he or she can also access the information by orally dictating it at the SPIO or with PIOs. Individual who is collecting the information can remain anonymous, but will have to provide

a postal address so that records could be sent to him/her. There are different fees that the citizen has to pay to the department in the form of nominal fees of 5 or 10 rupees at different levels. If the person who is collecting the information belongs

Fig 22.2 : Read the following collage and discuss the use of RTI



Chennai: An RTI petition filed by DC with Chennai corporation reveals that Rs 175 crore, collected as education cess, is in the corporation's kitty unspent for the last eight years. DC Pramila Krishnan | 30th Jan 2014

to below poverty line the fee is exempted. Hence in many ways the law has enabled all people to access the information.

Democracy requires an informed citizenry and transparency of information. This can help to contain corruption and hold Governments accountable to individual citizens also. Unlike the earlier system where departments responded only to the elected representatives today they become answerable and therefore accountable to common citizens also.

Part - II : Legal Service Authority

- What sort of opportunities are existing in our country for free legal services to the poor people who cannot afford to pay court fees and other related expenses?
- What is the nature of cases and conflicts that can be addressed through free legal services?
- Is there any mechanism for alternate dispute resolution outside the courts?

There is a system in our country to provide free legal service to the people. Under the Legal Services Authority (amendment) Act, 2002 legal services authorities are constituted to provide free and legal services to the weaker sections of the society. This is to ensure that opportunities for securing justice are not denied to any citizen by reason of economic or other disabilities and to organise Lok Adalats to ensure that the operation of the legal system promotes justice on equal opportunity basis.

In our country it is common that conflicts in the villages and in the communities are addressed by the village/ community elders in a peaceful and amicable way by discussing the various issues and concerns. The nature of conflict and disputes and their origin are mostly known to the local people and village elders. This facilitates for the discussion of the cases/ conflicts by the community members and find out an amicable solutions in a transparent way. Now, the Lok Adalats are constituted in every State under the Legal Services Authority Act, 1987 and amended in 1994 and 2002, to settle disputes/ cases in an amicable atmosphere by mutual consent in the presence of legal experts, officials and non official dignitaries. People are now using the Lok Adalat mechanism for expeditious and inexpensive justice. It is an opportunity to settle long pending court cases through Lok Adalat in short time and without any expenses. This also provides for getting refund of court fee, if already paid by the people. Therefore, Lok Adalat is an old form of dispute/ conflict resolution system, which prevailed in ancient India and its validity has not been taken away even in the modern days.

- Do you support the Lok Adalat? If so, why?

Objects of Legal Service Authority

- The LSA Act was enacted to constitute legal services authority for providing free and competent legal services to the weaker sections of the society.
- To ensure that opportunities for securing justice were not denied to any citizen by reason of economic or other disabilities.
- To organise Lok Adalats to ensure that the operation of the legal system promoted justice on a basis of equal opportunity.
- To develop an effective, alternative, innovative dispute resolution mechanism outside the courts.

Organisation of Legal Services

A nationwide network has been envisaged under the Act for providing legal aid and assistance. National Legal Services Authority (NALSA) is the apex body constituted to lay down policies and principles for making legal services available under the provisions of the Act and to frame most effective and economical schemes for legal services. It also disburses funds and grants to State Legal Services Authorities and NGOs for implementing legal aid schemes and programmes.

In every State a State Legal Services Authority is constituted to give effect to the policies and directions of the Central Authority (NALSA) and to give legal services to the people and conduct Lok Adalats in the State. State Legal Services Authority is headed by the Chief Justice of the State High Court who is its Patron-in-Chief. A serving or retired Judge of the High Court is nominated as its Executive Chairman.

District Legal Services Authority is constituted in every district to implement Legal Aid Programmes and Schemes in the district. The District Judge of the district is its Ex-Officio Chairman and the members are nominated by State Government.

Taluk Legal Services Committees are also constituted for each of the Taluk or Mandal or for group of Taluk or Mandals to coordinate the activities of legal services in the Taluk and to organise Lok Adalats. Every Taluk Legal Services Committee is headed by a senior Civil Judge operating within the jurisdiction of the Committee who is its ex-officio Chairman.

Functions of the Legal Service Authority

What legal aid facilities are available under Legal Service Authority?

The LSA through Lok Adalats settles long pending court cases in short time and without any expenses. Matrimonial disputes, maintenance cases, harassment cases by husband and in-laws, domestic violence cases, all types of civil cases, land disputes, compoundable criminal cases etc. This can be settled amicably and permanently by Lok Adalats without any fees and expenses.

The legal Service Authority shall perform following functions at various levels:

- Give legal services to persons who satisfy the criteria laid down under this Act.
- Conduct Lok Adalats.
- Undertake preventive and strategic legal aid programmes.
- Perform such other functions as the legal service authority fixes by regulations.

In cases pending before courts, both the parties or one of the parties has to make an application to the court for referring the case to Lok Adalat for settlement. If the court is *prima facie* satisfied that there are chances of such settlement, then those cases will be referred to Lok Adalat by the concerned courts.

Parties may also approach concerned District Legal Services Authority or State Level Services Authority for settlement of cases at pre-litigation state i.e. cases that have not yet gone to the courts.

Who are entitled to get benefit under Legal Service Authority?

Following are the persons entitled to get free legal support:

1. A member of a Schedule Caste or Schedule Tribe.
2. A victim of trafficking in human beings or beggars.
3. Women and children.
4. A mentally ill or otherwise disabled person.
5. Persons who are victims of mass disaster, ethnic violence, caste atrocity, flood, drought, earthquake, industrial disaster.
6. Industrial workers.
7. Persons in custody, including custody in a protective home within the meaning of clause (g) of section 2 of the Immoral Traffic (Prevention) Act, 1956, or in a juvenile home within the meaning of clause (j) of section 2 of the Juvenile Justice Act, 1986, or in a psychiatric hospital or psychiatric nursing home

within the meaning of clause (g) of section 2 of the Mental health Act, 1987.

8. Persons with annual income of not more than Rs. 1.0 lakh.

Persons who satisfy any of the criteria specified above shall be entitled to receive legal services provided that the concerned authority is satisfied that such person has a *prima facie* case to prosecute or to defend.

Whom to approach and how?

Persons to settle their disputes, cases, long pending court cases may approach State or District Level Legal Service Authority with an affidavit which includes the details of case and required judgment duly enclosing the documents and their eligibility criteria for expeditious and inexpensive justice.

Persons can approach for justice at various levels as given here under:

At District Level – Secretary, District Legal Service Authority, District Court Complex.

At State Level – Member Secretary, State Legal Service Authority, Nyaya Seva Sadan, City Civil Court Buildings, Puranahaveli, Hyderabad-500 002 (or)

People who need legal assistance in the cases filed in the High Court shall apply to The Secretary, High Court Legal Service Committee, High Court Buildings, Hyderabad – 500 066.

Entertainment of disputes and benefits of Lok Adalat

1. There is no court fee and if court fee is already paid the amount will be refunded if the dispute is settled at Lok Adalat according to the rules.
2. The basic features of Lok Adalat are the procedural flexibility and speedy trial of the disputes. There is no strict application of procedural laws like Civil Procedure Code and the Evidence Act while assessing the claim by Lok Adalat.
3. The parties to the dispute can directly interact with the judge through their counsel which is not possible in regular courts of law.
4. The award by the Lok Adalat is binding on the parties and it has the status of a decree of a civil court and it is non-appreciable, which does not cause the delay in the settlement of disputes finally.
5. Provide free legal advice from the advocates, appointing advocates to argue the cases in the courts, bear the court expenses pertaining to the case to the persons entitled for free legal services and support, providing photocopies of the judgments on free of cost.

Key words

Information	Appellate authority	Record	Public authority
Transparency	Legal service	Lok Adalat	
Domestic violence	Civil cases	Juvenile home	

Improve your learning

- 1) Using the following case study, explain the role of different Departments of the Government and citizens in the context of RTI. Also write how can the RTI make functioning of the governments more transparent.

Following incident occurred in Chinnashankarampet of Medak district. Members of the Self Help Groups joined in *Abhaya Hastham*, *Aam Aadmi* schemes of the Rural Welfare Ministry of the State Government. Under this scheme their children who were students of classes 9 to 12 were eligible for scholarship of Rs 1200. However for 3 years students have not been receiving the amount for the years during 2008-11. The students went to the (Indira Kranti Patham) IKP office and enquired about it but the officers ignored their requests.

This came to the notice of the local newspapers. Now they applied to the officers concerned for the information with regard to the scholarships sanctioned. They asked about the number of beneficiaries and the amount sanctioned during 2008-09, 09-10 and 10-11. They got reply in one week. The amount was seven lakh rupees. It became clear from the RTI records that even though the amount was sanctioned, it was not distributed. When it was published in the newspapers the amount was distributed to 1167 children within 15 days.

- 2) How do you think RTI would help in improving and monitoring the work of the governments.
- 3) What is identified as information? How is this generated in Government Departments? Would it include oral communication between senior and junior officers?
- 4) Why are the State and Central Information Offices given autonomy?
- 5) This Act resembles the true spirit of democracy. How do you justify?
- 6) What steps have been taken to ensure that any citizen can access information from the different government departments in the country?
- 7) How do you think the Legal services Authority would help the people in seeking legal aid?
- 8) What is the purpose of Lok Adalat?
- 9) What do you think on the eligible criteria for free legal services and nature of cases under this Act?
- 10) Compare and contrast the procedures of conflict / cases resolution by the Village community elders and by courts. Which do you prefer and why?

Know ! Let Others Know !

PROTECT THE HARD EARNED MONEY OF YOUR FAMILY

The students of today will be savers and depositors tomorrow. We, therefore, need to learn how not to lose our hard earned money to people who are out to cheat us with their innovative schemes and ideas. We also need to share this information with family and friends so that they also do not fall prey to such cheating.

First thing we have to remember is that the money is a scarce resource and not available easily. It has to be earned. This means that anyone who is offering unrealistically high rates of return on our deposits is attempting to lure us with fraudulent intentions. When banks can pay a moderate rate of interest, how can anyone pay unrealistically high returns? Once we give our money, chances are that we are not going to get it back. There people will vanish after collecting our money. So we should never give our money to such people.

Apart from banks, some Non- Banking Finance Companies (NBFCs) are also granted permission by the RBI to accept deposits from public. But before depositing money with any such NBFC, one should check thoroughly whether it is actually registered with RBI and specifically permitted to accept deposits from public. The names of such companies granted such permission is available in the RBI website (www.rbi.org.in). Some tricksters have even gone to the extent of forging RBI documents to cheat people. We have to be careful.

We know high returns go with high risk. Speculative activities and assured returns do not go together. No one gives money for free. Hence, we should not get tempted by online schemes seeking deposits and promising high returns or gifts. In some schemes (called Multi Level Marketing Schemes or Pyramid Structure Schemes), you will be asked to become a member of their schemes by making an initial deposit and then get more members to maximize your returns. Beware of such schemes.

It is also important to know that money deposited with NBFCs are neither insured nor guaranteed by RBI / Government.

Now that you have learnt this, share it with elders in your family and with the families of your friends. Today you have learnt something which most likely they also don't know.



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Don't

get cheated by
Emails/SMSs/Calls
promising you
money



Have you received an Email/SMS/Call informing you that you have won a lottery or will get huge sums from abroad?

Or have you been offered cheap funds for your business ?

Or have you received an email on a letterhead of the Reserve Bank of India with the Governor's photo on it and quoting a senior RBI official's name stating that RBI is holding funds for you which will be released if you pay some amount or part with the important details of your bank account like customer id and password?

Do not believe these. They are fake, howsoever official or attractive they may look. RBI never sends such emails.

Don't send any money as an initial deposit/ commission / transfer fee to any unknown party in India or abroad.

Don't reveal your bank account number / details or any other related information to anyone, either on phone or through email.

Don't enter into any correspondence with any party - Indian or foreign - In the hope of receiving any money from them.

RBI does not hold funds or accounts for any individual / organisation / trust.

Inform your friends / family members to be careful.

Please inform the Cyber Cell / other Law Enforcing Agency of such fictitious offers.

Please visit the official RBI website(www.rbi.org.in) for more details

Remember... No one gives money for free to anyone



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