

# RESOURCES AND THEIR CLASSIFICATION



**Manjit Singh**

**Department of Geography**

**GKSM Govt. College, Tanda Urmar**

# **MEANING AND DEFINITION OF RESOURCES**

**In simple words Resource means :-**

- 1. By which man's needs and desires are fulfilled.**
- 2. By which certain objective can be attained.**
- 3. Which may be helpful to solve man's problem.**
- 4. By which social objectives can be attained.**
- 5. On which human being can depend.**

**According to E.W.Zimmerman ,” .....resource is the means of attainment of given ends . The ends being satisfaction of individual wants and attainment of social objectives.”**

**Source : (World Resources and Industries)**

**According to James.S. Fisher,”Resources are anything that can be used to satisfy a need or desire.”**

**According to Encyclopedia of social sciences, Vol 11,” Resources are those aspects of man’s environment which facilitates the satisfaction of human wants AND THE attainment of social objectives.”**

# CHARACTERISTICS OF RESOURCES

- **Utility** : Must have utility to human beings and society.
- **Adequate Quantity** : Must be available in sufficient quantity.
- **Accessibilitly** : Must be accesible to acquire for the benefit of man and society.
- **Participation in Development** : Must contibute in the developmental process of society.

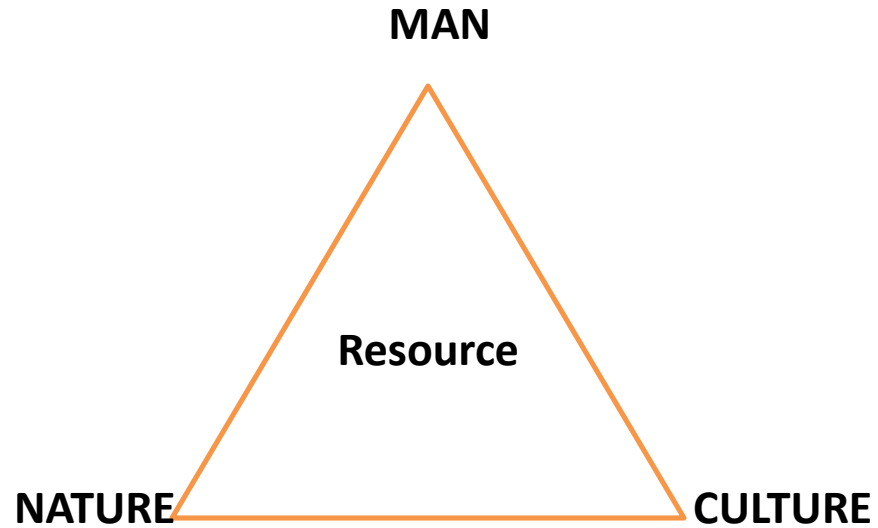
# **CHANGING CONCEPT OF RESOURCES**

- ❖ with passage of time**
- ❖ technological advancement**
- ❖ With changing human needs and social objectives .**

## **ANYTHING CAN BECOME A RESOURCE**

- ❖ There are lot of things present in the environment and inside the earth which are useless today ,but they can become resource in future.**
- ❖ For example : coal was considered as black rock before the invention of steam engine. After this it is known as black gold for the railways .Similarly abundance of nitrogen present in the atmosphere become resource when man started its extraction from atmosphere for making fertilizers.**

# TRINITY OF RESOURCES



# GENERAL CLASSIFICATION OF RESOURCES

On the basis of properties , characteristics ,origin ,utilities, we can have a general classification of resources:-

## 1) Biotic and Abiotic Resources

| <b>Biotic Resources</b>  | <b>Abiotic Resources</b>   |
|--|--|
| <ul style="list-style-type: none"><li>▪It include living objects.</li><li>▪Reproduction and Regeneration.</li><li>▪Plants and animals.</li></ul> | <ul style="list-style-type: none"><li>▪It include non-living objects.</li><li>▪No Reproduction and Regeneration.</li><li>▪Minerals ,land ,soil ,water.</li></ul> |

## 2) Exhaustible and Inexhaustible Resources.

| Exhaustible Resource  | Inexhaustible Resource  |
|---|---|
| <ul style="list-style-type: none"><li>▪ Only one time use.</li><li>▪ Non-renewable in nature.</li><li>▪ By continuously use, they will disappear from the earth.</li><li>▪ For example : Petroleum, coal, minerals etc.</li></ul> | <ul style="list-style-type: none"><li>▪ Can be used repeatedly.</li><li>▪ Renewable in nature.</li><li>▪ They will remain present on the earth till its existence.</li><li>▪ For example : wind , water, plant, sunshine etc.</li></ul> |



### 3) Potential and Developed Resources.

These two are generally explained in terms of water resources.

| Potential Resources  | Developed Resources   |
|--|---|
| <ul style="list-style-type: none"><li>•Amount of estimated resources present in particular area.</li><li>•Location of these resources is known.</li><li>•These will be used in future.</li><li>•For example : Himalayan rivers are having huge potential for hydro power similarly African rivers are also having potential for hydro power.</li></ul> | <ul style="list-style-type: none"><li>•Amount of resources used by any area out of the total potential resources are called Developed Resources.</li><li>•Presently these resources are fulfilling the needs of man and society.</li><li>•For example : in india out of 4.5 cr kilowatts potential resources only <math>\frac{1}{4}</math> is developed resources .Similarly African continent has very less amount of developed resources.</li></ul> |

## 4) Raw Material and Energy Resources.

### Raw Material Resources

- Which are used as raw material in industries to produce new goods.
- Agriculture related material like wheat ,Sugarcane used to produce flour and sugar.
- Plant material like wood ,leaves ,Fruits etc used to produce variety of goods.
- Minerals like Iron ore used to produce iron related goods.

### Energy Resources

- Resources used to produce energy to run industries, transport and to satisfy other human and social needs.
- Industry used coal ,hydro power and petrol as energy resource commonly.
- LPG, Wood, Coal, Cow dung etc are used as energy resource in Urban and Rural areas.
- Energy resources are exhaustible and inexhaustible in nature.

## 5) Agricultural and Pastoral Resources

| Agricultural Resources   | Pastoral Resources  |
|--|---|
| <ul style="list-style-type: none"><li>•Agriculture output which fulfill basic needs of man i.e cottage, cake and clothes are called agricultural resources.</li><li>•70 to 80 population of world depend upon agriculture.</li><li>•Include crops like:<ul style="list-style-type: none"><li>Cereal – Rice ,Wheat</li><li>Beverages – Tea ,coffees</li><li>Fibres – Cotton ,Jute</li><li>Commercial –Sugarcane</li><li>,Vegetables</li><li>Miscellaneous– Rubber</li><li>,Sunflower</li></ul></li><li>•Domestic Animals and livestock.</li></ul> | <ul style="list-style-type: none"><li>•Pertaining to , or characterized by ,the care of grazing animals.</li><li>•Basis of rearing livestock.</li><li>•Like Grassland of South America , Europe, etc.</li><li>•Livestock provide milk, flesh , leather, wool, transport facility.</li></ul> |

## 6) Mineral and Industrial Resources

| Mineral Resources   | Industrial Resources  |
|---|---|
| <ul style="list-style-type: none"><li>•Resources mined from the interior of the earth are mineral resources.</li><li>•Coal , Iron ore , Gold , Silver are good examples of this.</li><li>•These are essential for development of any region.</li><li>•In the era of advancing technology, these are having immense importance to the society and man.</li><li>•Should be wisely used.</li></ul> | <ul style="list-style-type: none"><li>•Resources on which industries are based, called industrial resources.</li><li>•All mineral resources , power resources, are also industrial resources.</li><li>•These are exhaustible and inexhaustible in nature.</li><li>•Basis of industrial development of any region.</li></ul> |

# IMPORTANCE AND MANAGEMENT RESOURCES

- ❖ Helpful in fulfilling man's needs/desire.
- ❖ Helpful in providing basic infrastructure for development.
- ❖ Helpful in attaining social objectives.
- ❖ Unequal distribution of resources, generate trade among nations of the world.
- ❖ Optimum use of exhaustible resources and maximum use of inexhaustible.
- ❖ Alternative use of energy resources
- ❖ Follow the principle of 3 R