FACTORS RESPONSIBLE FOR THE PLANT LOCATION CHOICES:

The choices of the plant location is based on the following factors :-----

- Availability of Raw material: An ideal location is one where the main raw material required to manufacture the product is adequately available. This will ensure regular supply of the material and will reduce the transportation costs.
- Nearness to the potential market: marketing of finished goods efficiently is an important function of an enterprise. If the plant is located near the market, then the management can keep close touch with their changes in market environment and formulate its production policies accordingly. Moreover, the transportation and other overhead expenses are reduced.
- Location should be near to source of operating power: in some industries, continuous and adequate power supply is needed.
 There are certain industries for which cheap electricity may be very important. In such situation, location of the plant near to the hydel-power situation will provide cheap electricity.
- Supply of labour: labour is one of the most important inputs in any industrial enterprise. There should be regular and cheap supply of labour, specifically the unskilled labour. If there is adequate supply of local labour near the plant, then naturally it will be available at cheaper rates.

PHARMAQUEST

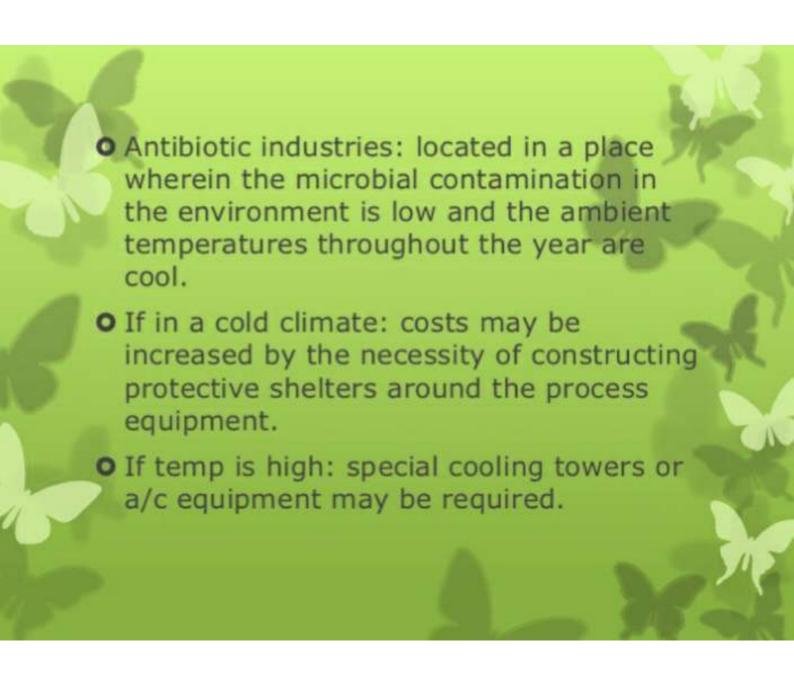
Transport and communication facilities: Transport is very important for bringing raw materials, fuel from different places, marketing of finished products etc. The region well connected with rail, road, water and air transport system is considered to be more appropriate for the location of the plants.

Similarly good communication facilities, such as, postal and telecommunication links are of great significance towards the success of an enterprise. Regions with good communication system should be given priority for the selection of the sites.

Similarly, industries producing goods for exports may be located near ports or airports.

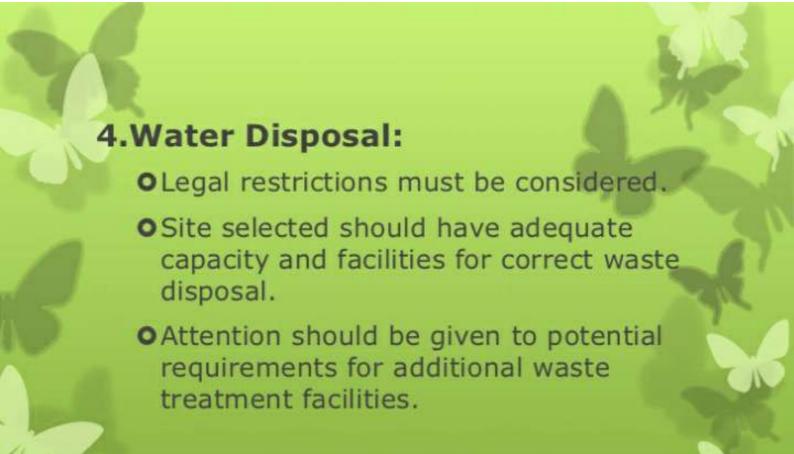
1.Climate and Soil:

- Important for agriculture based industries. E.g.: Ayurvedic drugs
- A location which is very hot during summers would not be suitable as it is subjected to dust storms and drying up of water supplies.
- O Highly humid area will also not be suitable from the point of:
 - O Cost,
 - Contamination,
 - Difficulties of maintaining laboratory animals in proper condition
 - Efficiency of labour



3. Water supply

- Large quantities of water required for cooling, washing, steam generation and also as raw material (liquid orals).
- Study should be conducted regarding the supply position of underground water and/or surface water and their seasonal variation.
- Quality of water also important.
- Temperature, mineral content, silt or sand content, bacteriological content, cost of supply and purification treatment must also be considered while choosing a water supply.
- Detailed estimate of water requirements for the present and the future must be made.



5. Site Characteristics:

- Topography of the land and soil should be considered since both may influence the construction cost.
- Cost of land, local building costs and living conditions are also important.
- Expansion of the plant in future should also be considered.

6. Flood and Fire protection:

- OA regional history of natural events like floods and hurricanes must be conducted if located near large bodies of water (river, sea, etc.).
- Assistance from fire deptt. should be easily available.
- Fire hazards in the immediate surrounding area of the plant site must not be overlooked.

avvient scenario:

- The Indian pharmaceutical sized at USD 34 billion, cincluding exports) in 2013-14, has remained on a stronggrowth trajectory over past few years
- · The industry size is expected to increase to usp
 48 billion by 2017-18 at a CAGR of 181.
- Indian Pharma industry is ranked 3rd globally in terms of volume and 10th in terms of value supplying 10%, of global production
- of the USD 34 billion market, the domestic formulation market is about USD 10.9 billion. and constituted around 1.1% of global pharmaceutical market in value terms.
- · India+ spend only 3.5-4% of 14 total GDP on hearthcase and hence ranks lowest in this respect globally
- The Indian Pharmaceutical industry is highly fragmented with over 15,000 players mostly in unorganized sector. Out of there labout 300-400 are classified as belonging to medium a large organized sector. However, organized players dominate formulation market in terms of sales. In 2013-14, top 10 formulation companies accounted for 42.3%, of total formulation sales mns enjoy a market share of 20-24%.

Key segment in Indian Pharmaceutrical industry

① API manufacturer | Tradery (Buck drugs)

Buck drugs exports, constituting about 80-90 %, of total

buck drugs production, accounted for about 33% of

fotal sales in pharmaceutrical industry in 2013-14

- Destriction manufactures: Due to introduction in DPC02013.

 domestic formulation markets recorded lowest growth

 tale
- 3 Contract Research and manufacturing services
 one of fastest growing segment: Pertain to outsourcing
 tesearch services I manufacturing products to low Cost
 provides world class standarch. Since late 1990s, CRAMS
 has gained importance, as much have been coming
 under Intense pressure to cut costs to main.

 Profitability
- Bioservice , Bioagniculture, Bioinformatical, Bioservice , Bioagniculture, Bioinformatical, Gerowing at CAGR of 20%.

 Market size at around USD 4 billion in 20B-14, market size at around USD 4 billion in world.

 India: Top 12 biotech destrination in world.

 Ranks second in Asia after chinq