

Influence of Pharmaceutical Industries on Kashmir

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ABSTRACT

This article provides information about pharmaceutical industries in Kashmir. Some of the leading pharmaceutical companies like Sun pharma, Lupin, Cadila have their units in Kashmir. Along with these pharmaceutical industries some local pharmaceutical industries were established in Kashmir so that Kashmir can develop on its pharma base. These pharmaceutical industries are easily established because there is favorable environment of Kashmir. In Kashmir many natural water resources are available which provides water source for industrial process.

Keywords: Pharmaceutical industries, biopharmaceutical industries, Kashmir, pharma, biodiversity, ayurvedic drugs, medicinal plants, organic farming.

INTRODUCTION

Pharmaceutical industries involves various processes for the manufacturing of various drugs. The products that are manufactured in pharmaceutical industries are classified into **bulk drugs** that is useful (which is active pharmaceutical ingredient) and **formulation**. Bulk drug is an useful active constituent which shows medicinal properties produced in powder form; acts as main ingredient in pharmaceuticals used as raw material in formulation process. In Kashmir there is low cost of electricity and also provide favorable condition for industrial processes. In Kashmir the cost of electricity is low; at around Rs.2 per unit while in other regions the cost of electricity is at around Rs.6-7 per unit.

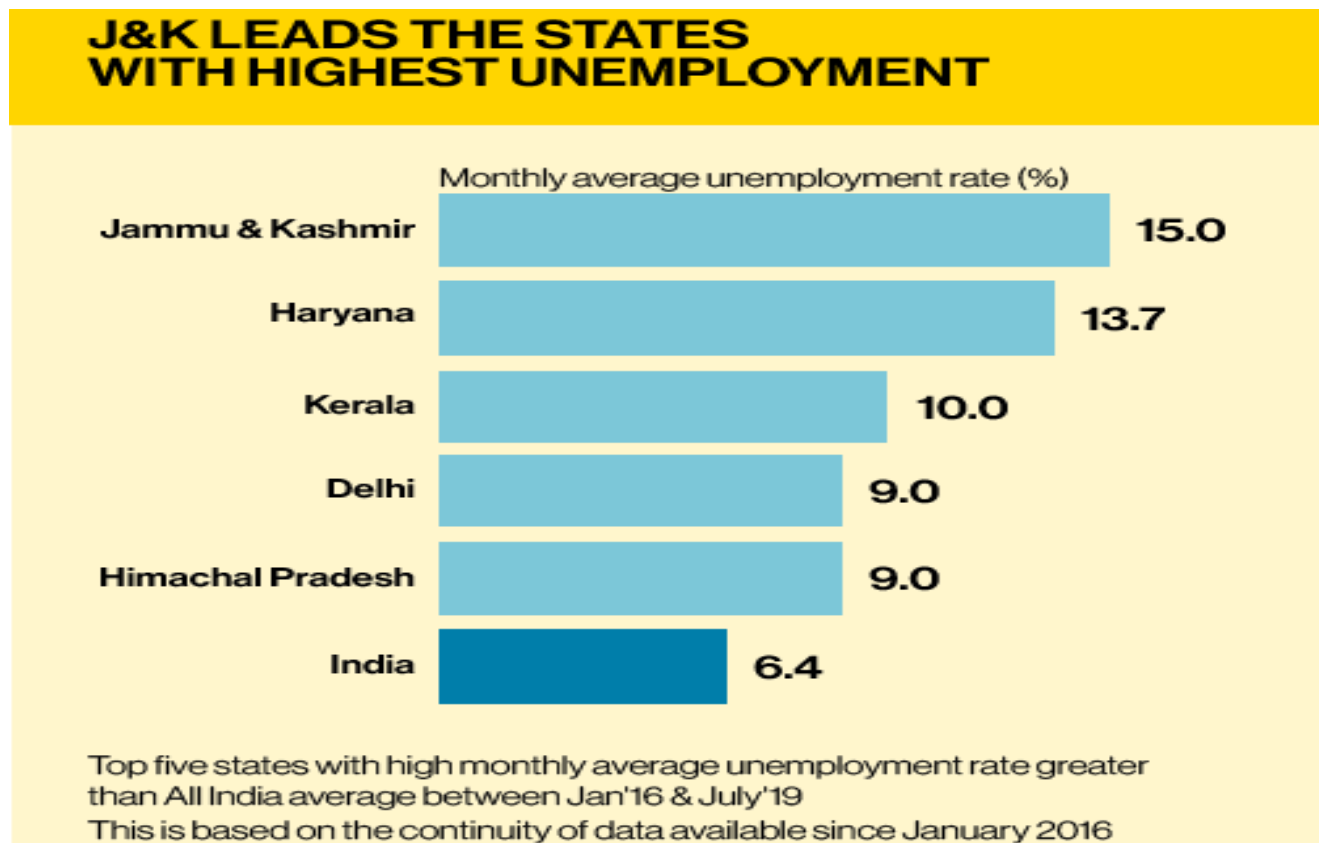
Water is available in huge amount; therefore Kashmir can be an important manufacturing center of pharmaceutical industry. The cold environment helps in maintaining suitable temperature for various sensitive vaccines production without consuming tremendous energy. Kashmir is positioned within the North- Western Himalaya and it is enriched with amazing diversity of medicinal plants. About 570 plant species with huge medicinal importance are found in Kashmir. There are various plant species found in Kashmir, therefore it has huge potential for establishing Bio-pharmaceutical industries. Jammu and Kashmir has an industrial policy that offers interesting provocations along with a single- window clearance mechanisms. In Kashmir the lands are allotted at low rates in industrial sectors to on lease for about 90 years. Along with this the cost of setting up operationis comparatively the cost of set up in other states. As in Kashmir various medicinal plants species are found; hence it can be turned into 'center for pharmaceutical industry in India'.

OBJECTIVES

1. To increase pharmaceutical industries in Kashmir.
2. To provide employment for the youth of Country.
3. To improve economical condition of Kashmir.
4. To increase Indiantrade.
5. To improve the lifestyle of people in Kashmir and suburb.
6. To improve the conditions of farmers by cultivating medicinal plants.

METHOD

Various statistical data, related to various issues are maintained periodically to verify the development of states or countries. So that various sectors which to be developed can be concentrated easily. This is the statistical data studied for the unemployment in the state of Kashmir and the other states of India. This bar chart is recorded in January 2016.



RESULT

From the above bar chart it is clearly noticed that the unemployment is highest in the state of Kashmir which is 15% followed by the state of Haryana which is 13.7% contributing the largest part of the unemployment condition in India. The pharmaceutical and bio-pharmaceutical industrial setup can help improve this condition in a better way by providing employment to people. Also, the biopharmaceutical industries will help the growth of agriculture. After the removal of Article 370, the increase in import and export with Jammu and Kashmir will help the economic growth of Jammu and Kashmir. It also provides job opportunities to the people from other states of India in Jammu and Kashmir. It will open doors for private sectors to invest in Jammu and Kashmir. This will boost the economy of the state. There will be job opportunities apart from tourism. The raw material which is easily available in other states of India can be transported to Kashmir and thereby increasing the chances of income source for other people of other states.

DISCUSSION

More and more pharmaceutical industries must be developed in Kashmir. These developing industries will provide the source of income for the people there, which helps improve the lifestyle and contributes to the growth of Kashmir's economy. The easily available natural resources will help to reduce the production cost of drugs and thus reduce the marketing prices, making it beneficial for common people.

Also, the setting up of biopharmaceutical industries will help the farmers and local tribes living in Kashmir valleys, as they will get a fixed market for their cultivated crops (medicinal plants). Also, the industries can rely

on the farmers there for the raw products. The growing industries will provide employment to the educated youth, hence they will not be forced to leave their homes in search of work.

The increasing demand for the Ayurvedic drugs will be fulfilled by our own production, thus decreasing the import of these drugs from other countries. Also export of these good quality drugs can be done, which will improve the economic status of our country.

The waste produced in the biopharmaceutical industries are use in various ways. The alcohols produced are used in energy production (as fuel) required for industry. The molasses left after the extraction of essentials is used as organic fertilizer in organic farming, this helps improve the quality of plants and crops cultivated. This also maintains the fertility of soil without using harmful fertilizers.

CONCLUSION

The increasing industrialization along with proper waste management will surely put Kashmir a step ahead in drug production along with increased employment for youth. The drugs produced in this region will be easily available to the local people with less cost as transport charges are not required. Also the farmers and local tribes are benefited by the biopharmaceutical industries.

The increased production of ayurvedic drugs will improve their use by citizens as they have less side effects and also drug export will be increased increasing the trade of country.

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