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Environment : Sustainable Development

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Abstract :

Sustainable development and the environment are closely related. The long-term use of natural resources has far-reaching consequences for humans. Also the environment is seen to be equally or more than that. If development is to be sustained, it is necessary to protect and conserve natural resource wealth and use it in a planned manner. Therefore, this research paper explains how it is possible to achieve sustainable development by reducing environmental problems.

Sustainable development concept :

The word sustainable is derived from the Latin word sustainer. Sustainer It means to hold, to endure, to support, to provide, to continue, etc. The survival of the cultural and economic status of a society is also called sustainability. Or conservation and conservation of natural resources on earth is also called sustainability.

Sustainable development definition :

Sustainability is the use of living conditions or natural resources in a way that replenishes.

(International union for conservation of natural resources 1991)

Sustainable development means raising the standard of human life within the carrying capacity of the environment.

Sustainable development is development that meets all the needs of the present generation without destroying the environment while maintaining the capacity of the environment to meet the needs of future generations.

(World Commission on Environment and Development)

Objectives of the research paper :

1. Studying Environmentally Sustainable Development.
2. To study sustainable water conservation schemes and components.
3. Taking stock of global climate change.

Factors impeding sustainable development :

Greenhouse effect :

Water vapor in the air, carbon dioxide, methane and other gases increase the temperature of the earth's surface and atmosphere, this is called the greenhouse effect, and the gases are called greenhouse gases. Sun rays fall on the layer of the atmosphere and the layers of the atmosphere absorb or emit the sun rays. This energy emitted by the Earth's surface, absorbed or emitted by

greenhouse gases, is the same solar energy that warms the Earth's surface and atmosphere, but without this effect the Earth's temperature would be 30°C lower.

Adoption methods to control greenhouse effect :

1. Reducing the use of conventional energy sources.
E.g. Coal, mineral oil, nuclear energy etc.
2. Increasing use of non-conventional energy sources.
E.g. solar energy, wind energy, geothermal energy etc.

Temperature rise :

Some people say that there is no such thing as global warming or climate change, but researchers have proven that the average temperature of the earth has increased by 0.8 degrees Celsius in the last hundred years. And temperatures have increased by 0.6°C over the past three decades. According to a report released in 2013, the International Panel on Climate Change (IPC) predicts that by the end of the 21st century, compared to 1850 The temperature is likely to increase by 1.5 degrees Celsius.

Temperature Rise Results :

1. Water shortage.
2. Changes in food production processes.
3. Natural disaster.

Environmental improvement and sustainable development :

1. **Ralegan Siddhi District Ahmednagar Maharashtra** : Ralegan Siddhi located in Ahmednagar District of Maharashtra Hon'ble Mr. Anna

Hazare since 1975 in Ralegan siddhi village located in Ahmednagar District of Maharashtra.

These programs included soil conservation, afforestation, promotion of use

of biogas, use of alternative energy sources like Smokeless Chuli Solar Cooker etc.

Ralegan Siddhi, a village in Maharashtra, has received the 'Adarsh Gram Yojana' and 'Energy Gram Award' of Maharashtra Government.

2. **Transformation of Bhaunta Kolya village in Rajasthan** : Johada (ponds) were created and villages were transformed in Rajasthan. For this, Navbharat Sangh and its general secretary Rajendra Singh's voluntary organization did important work. This village in Rajasthan received the award in 2002.
3. **Chipko movement** : It was the first Chipko movement not only in India but also in the world. Kejrily Movement Seventeen 31 Gopeshwar Movement, 1972 Rampura Fata Movement, 1972 Reni Movement, 1974 Various Movements were held and Chandi Prasad Bhat, Sundarlal Bahuguna of Gopeshwar 1981 widened the Chipko movement.
4. **Jalyukta Shivar Yojana** : Taking into account the ongoing scarcity situation in the state, the state government has undertaken the Jalyukt Shivar Mission under Water Scarcity Free Maharashtra 2019 for all. In 2014-15, 2,234 village's in 188 talukas where the ground water level has decreased by more than two meters and 29,059 villages in Babi district where the government has declared a shortage situation, this campaign will be carried out on priority basis. Emphasis has also been placed on taking measures to prevent water scarcity in the rest of the state in the future. In this campaign, there is a

special focus on schemes from various departments and government organizations and people's participation.

Artificial Rain Scheme :

Many factors are needed to produce rain, such as the capacity of vapors in the clouds, temperature, wind direction and speed, if any one of these factors is out of balance; the chances of rain are reduced. In that case, by increasing the amount of vapor in the clouds and cooling it to a certain temperature, it turns into water droplets. Rainfall by spraying chemicals on dark clouds under certain conditions is artificial rain.

In 2003, for the first time, such an experiment was carried out in Maharashtra, on the initiative of Finance Minister Jayant Patil, a decision was taken for artificial rain, which cost five and a half crores of rupees.

Conclusion :

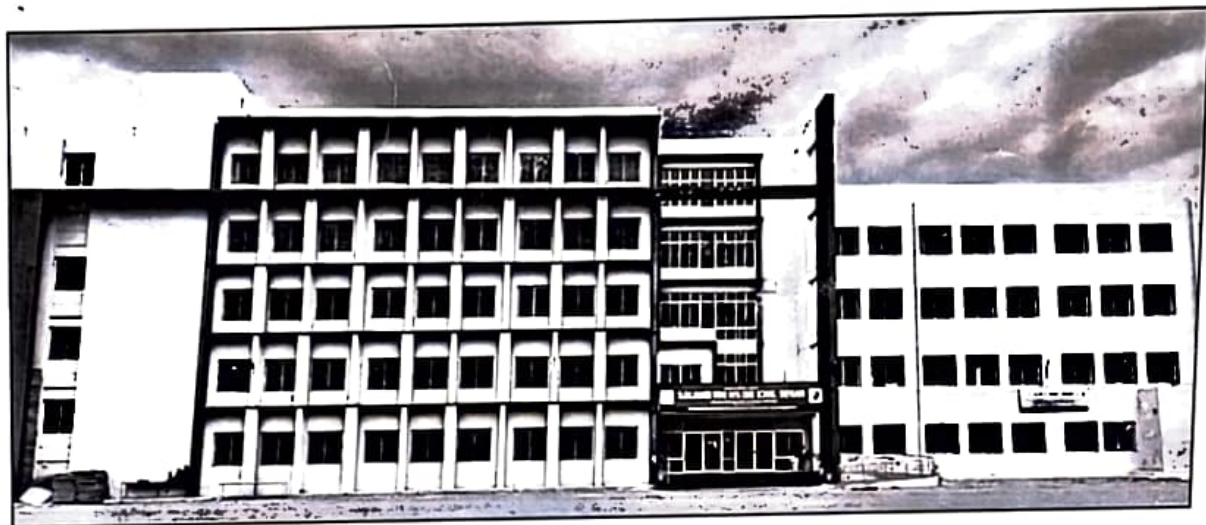
Schemes like the Chipko Andolan, Jalyukta Shivar Yojana, and Artificial Rain Scheme have researched environmental factors and are putting the concept of ecological sustainable development into practice.

Efforts are being made to study the factors that limit environmental sustainable development and strive to achieve environmental sustainable development at the 2018 World Conference on Sustainable Development, New Delhi at Vigyan Bhawan, Hon'ble. Prime Minister Narendra Modi emphasized on Environmental sustainable development.

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