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# REVIEW OF RESEARCH

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## “ CLIMATE CHANGE AND INDIAN ECONOMY”

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### ABSTRACT: -

**C**limate change is a very serious problem. Impacts of the climate change is very bad on the hole society. Impact of climate change on human activity. Human activity includes the pollution that arises from industrial and other sources the produce green house gases. For example carbon dioxide. One produced, carbon dioxide, can remain trapped in the atmosphere for tens or hundreds of years. In Indian economy, impact of climate change is very worst.

**KEYWORDS:** Climate change, Impact on Indian Economy i.e. Growth of Agriculture production, human life, Atmosphere, Sustainable development and climate change. Impact on quality and quantity water resources etc.

### INTRODUCTION :

As per below, I gave some objectives for the study of “Climate Change and Indian Economy”

### OBJECTIVES:

- 1) To find the reasons of climate change.
- 2) To study the climate change.
- 3) To study the impact of climate change on Indian economy.
- 4) To study the Indian agriculture and climate change

As per above objectives, I did the study of climate change and Indian economy. Climate change is a very important subject in current situation.

### ANALYSIS OF THE MAIN TITLE:

#### Reasons of climate change:

1) Carbon dioxide is a one of the factor who is related to climate change. “Carbon dioxides life time in the atmosphere cannot be represented with a single value, because the gas is not destroyed over time, but instead moves among different parts of the ocean-atmosphere-land system.”<sup>1</sup>

2) Nitrous oxide: emitted during agricultural and industrial activities.

3) Fluorinated gases: fluorine, including hydrofluoric carbons, sulfur hexafluoride etc. These gases are emitted from a variety of industrial processes, household uses. Above all factors are related to climate change. Due to this factor production of agriculture in India is being negative or populate or degradation in agriculture production.” Agriculture is directly dependent on climate, since temperature, sunlight and water are the main drivers of crop growth”<sup>2</sup> Productivity of agriculture production in Indian economy is depending on the availability of water. Due to the climate change, quality of the water decreased. So production of



the agriculture is decreased and quality of production of agriculture also decreased in Indian economy.

“Geological evidence suggest that we have entered a period of unnatural warming for 400000 years, carbon levels in the atmosphere had never exceeded 300 parts per million. In 1950, this level was exceeded and has been increasing since. In 2013, CO2 levels surpassed 400 ppm. For the first time in recorded history”.<sup>3</sup>

4) Suicides of farmers : As per a research study, in India, 59 thousands farmers suicides in the period of last 30 years. It’s main reason is only climate change. From 1980’s decades, proportions of farmers suicides has been doubled in India.

( Ref.Savita Dev Harkare’s article in daily Lokmat, dt 05-08-2017,p.8)

As per above experience, is very bad for our future. Due to this experience, very bad and worst impact on human life and also on productivity of agriculture. Particularly in Indian agriculture. (Ref.www.wired.co.uk/article/what-is-climate-change-definition-causes-effects,dt.24-9-2017,p 3-4)

India is the fastest growing major economy in the world. In the past two decades, the key environmental challenges in India have become sharper. Due to the changes in climate, natural ecosystems is collapsed. Mainly it’s negative impacts on Indian agriculture. Now, 58% of the population of India still depends for livelihood on agriculture sector. Indian region is highly sensitive to climate change. Agriculture sector is one of the most important sector in India. Due to the high temperatures, decreased the growth of crop and also decreased the yield of crop.

“ climate change impact on agriculture leads to 1.5 percent loss in India’s GDP”<sup>4</sup>

Indian economy is developing economy. Indian economy is a fastest growing economy in the world. More than 55% peoples life is depends on only agriculture sector.

Hence, agriculture sector is important sector in Indian economy. Therefore impact of climate change on Indian agriculture is affects on human life of India. “It has been projected that under the scenario of a 2.5 c to 4.9 c temperature rise yields by 41%-52%. This would cause GDP to fall by 1.8%- 3.4%” .<sup>5</sup> It means due to climate change temperature increased and due to increased the temperature rice yields will drop by 32%-40% and wheat yields will drop by 41%-52%. This is very worst for Indian agriculture sector and also India. ( Ref. Anupam Khajuria and N.H. Ravindranath,” climate change in context of Indian Agriculture sector dt.1-1-2018. P-1)

The impact of climate change particularly effects on frequency of flood or drought, ground water recharge and also water cycle.

It means changes in climate are very bad for human life. Specially Indian economy because growth of Indian economy is decreased, due to the climate change. It is impact also on human life of the India.

## CONCLUSION:

In this paper one thing is cleared. That is climate change is affected on agriculture productivity in India. The effects of climate change on life style of people in India. Due to the changes in climate, is bringing about changes in the quality and quantity water resources. Indian region is highly sensitive to climate change. Impact of climate change on agriculture leads to 1.5 percent loss in India’s GDP. In short, we can say impact of climate change on Indian economy will be very serious in future period. Therefore we need to awareness about climate change in Indian society. We need to study about climate change very seriously. .

## REF:

- 1) : <https://www.omicsaline.org>,dt 1-1-2018, p.1
- 2) .[www.wired.co.uk/article/what-is-climate-change-definition-causes-effects](http://www.wired.co.uk/article/what-is-climate-change-definition-causes-effects),dt.24-9-2017,p 3-4)
- 3) Savita Dev Harkare’s article, in daily Lokmat, dt.05-08-2017,p.8.
- 4) Google weblight.com,’ climate change impact on agriculture leads to 1.5% in India GDP dt.1-1-2018 p.1
- 5) Anupam Khajuria and N.H. Ravindranath,” climate change in context of Indian Agriculture sector dt.1-1-2018. P-1



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