GREEN TECHNOLOGY FOR THE SUSTAINABLE DEVELOPMENT

(DECONTAMINATION OF WATER AND ENVIRONMENT POLLUTION)

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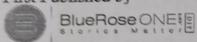
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CHAPTER:18 IMPACT OF COVID-19 ON AIR-QUALITY IN THE INDUSTRIAL TOWN OF ASANSOL, WESTBENGAL, INDIA

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ABSTRACT: In Westbengal, the lockdown phase start on 25th March 2020, and it was ongoing throughout the year in different phases in different month of the year. Here the Main problem of this lockdown phase associated with COVID-19 pandemic situation of the Westbengal as well as India. The main objective of this study is to analysis the status of Air quality index of before and after lockdown in Asansol city which is second largest industrial city of Westbengal. In this study I will try to explain the impact of lockdown in Asansol from the collecting of secondary of monthly average in before and after lockdown period. The secondary data of five parameters like CO, SO₂, NO₂, PM^{2·5}, PM¹⁰ data collected from the westbengal pollution control board, which is monitoring by central pollution control board, India. The expected outcomes of this study shows significant decrease of five parameters due to close down of all industrial and transport activities during lockdown period.

Keywords: AQI, Asansol, Lockdown, Impact

INTRODUCTION

The CORONA virus disease (covid-19) spread out rapidly around the world in 2020. In India also try to overcome the situation and struggle the critical situation of this period. To control the Covid -19 outbreak in Westbengal, social distancing and following a scheme of sequent lockdown in whole westbengal as well as India. These phases of lockdown create a positive impact in environment, because of the reduce level of air pollution in Air Quality Index. Asansol is a main industrial area of westbengal, where pollution level so high but due to the lockdown, we can see that it's decrease level in AQI. I have been take 3 part of time of AQI, to prove the decreasing level of CO SO², NO², PM^{2·5}, PM¹⁰ etc. The time of before lockdown in ASANSOL was 1 January to 24 March 2022, The time of lockdown 25 th March to 31 May and the time of after lockdown that was 1 June to 21 July. In these 3 time, the emission level of selective pollutants proves the actual condition of AQI of the study area.