

Status of AQI of Gwalior city during lockdown of covid-19 outbreak

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The nationwide ‘Janata Curfew’ was imposed by the Honorable Prime Minister on 22 March keeping in mind the prevention of the epidemic caused by the Corona virus. After this, the first phase of Lock Down was implemented from March 25 to April 14 to control the situation. And after that the lockdown of the second phase was increased till May 3 and currently the third phase of Lockdown is going on which will run till May 17. In view of environmental aspects, lockdown period is proving to be a boon in the danger of a global pandemic. Rapid improvement in air quality was observed since the first phase of Lockdown. This difference was seen more in the cities where the air quality was worse.

The air quality index of Gwalior city was studied by the Environment Department of Jiwaji University which yielded very satisfactory results in the period of lock down. The air quality index has been steadily improving since the ‘Janata Curfew’, which was found to be less than 100 in March. On the other hand, the condition of April was satisfactory, there was a continuous decrease in the percentage of PM 2.5.

This pleasant result that lockdown generated from his position is proving to be a boon in terms of human health.

The following table shows the air quality index of Gwalior city from Feb. to May.



 Good

 Satisfactory

 Moderate

 Poor

 Very Poor

 Severe