

Continuous ambient air quality monitoring system (CAAQS)

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- **Why in news?**

- The Indian army has installed the CAAQS in its Fort William station in Kolkata as a part of “Go Green” initiative.

- **About CAAQS:**

- It is also known as an **automatic monitoring station**.
- It will monitor the air quality of a city on a real time basis.
- Its ratings will be a benchmark of air quality measurement.
- It will **continuously measure air pollutants throughout the year** in a continuous manner.
- The **air pollutants measured are** as follows: SO₂, NO, NO₂, NH₃, CO, O₃, CO₃, VOC, PM₁₀ and PM_{2.5}.
- In addition, it **also displays wind speed, direction, ambient temperature, relative humidity, solar radiation, barometric pressure and rain gauge**.
- The data can be remotely monitored on the internet and collated into various desired formats.