



## AirNow-International Infrastructure and Data Requirements

### Monitoring and Data Transfer

- Availability of automated, continuous air quality monitors measuring one or more pollutants and meteorological parameters
- A monitoring network with air quality instruments covering a representative area
- Routine maintenance and calibration of instruments
- Reliable communications with instruments for data polling and retrieval
- Data output in a standard format

### Standards and Indices

- Public / published air indices (for example, Air Quality Index)
- Consistent indices for regional implementations across India
- Air quality standards for multiple pollutants

### Hardware and Software (detailed information will be provided separately)

- Network Connection: Wired 100mbps connection between database server and other user desktops and servers.
- User Desktops
  - Data Management System (DMS) and Information Management System (IMS) Desktop Application Requirements
    - Microsoft Windows [Windows 7 Service Pack 1]
  - IMS Map Creation Wizard Desktop Application Requirements
    - ESRI ArcGIS Desktop 10.1 Software
    - ESRI ArcGIS 10.1 License [Basic Concurrent Use]
- Servers
  - Database Server Requirements
    - Microsoft SQL Server Software [SQL Server 2012 Workgroup]
    - Microsoft Windows Server [Windows Server 2008]
  - IMS Server(s) Requirements
    - ESRI ArcGIS Engine or Desktop 10.1 Software [Engine]
    - ESRI ArcGIS 10.1 License [Basic Single Use]
    - Microsoft Windows Server [Windows Server 2008]

### Operational forecasting (optional)

- Ability to produce forecasts to be disseminated through AirNow software