

# Report : Weather Monitoring Sites and Apps

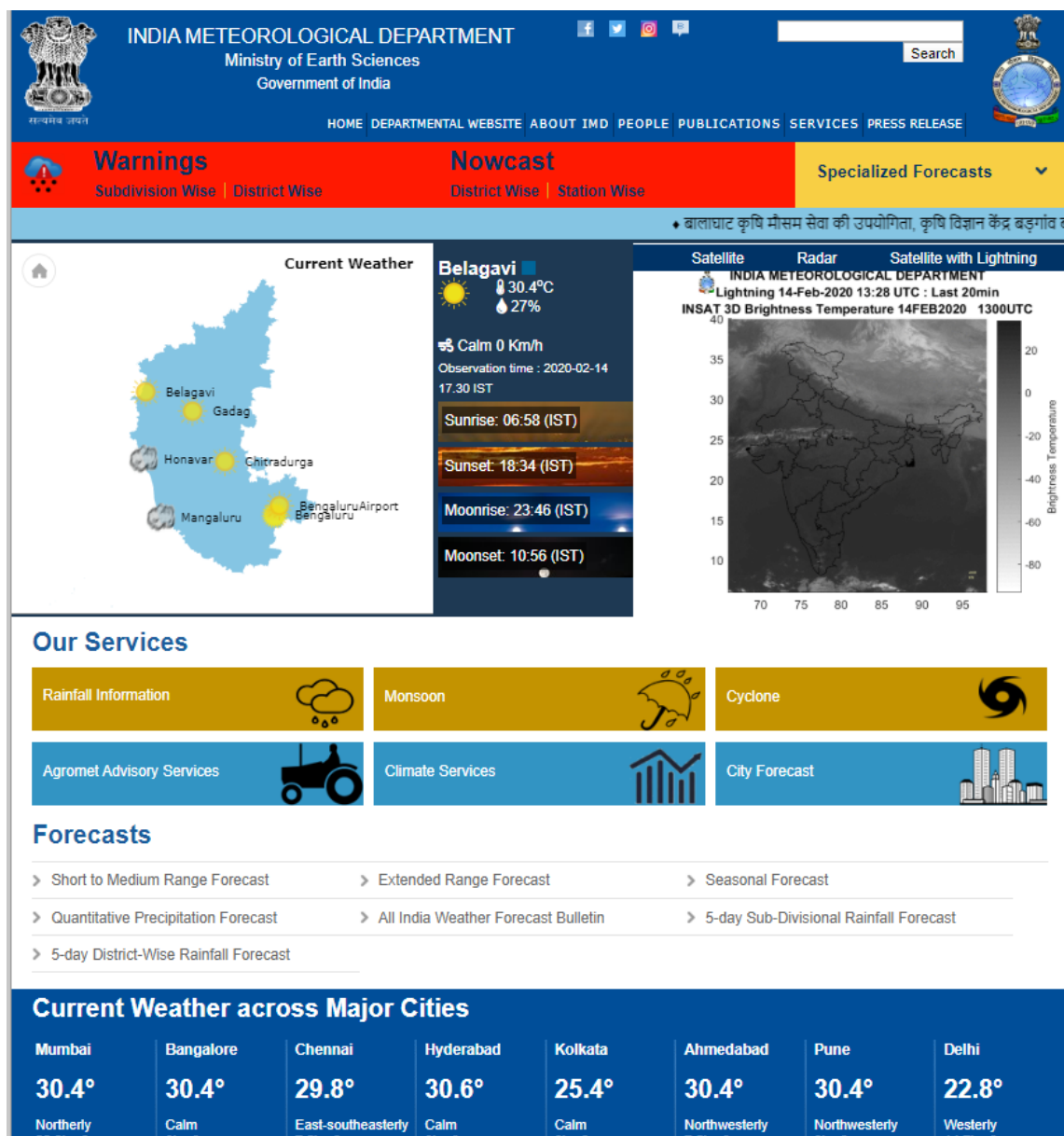
Aim: To provide assistance for farmers in agriculture produce for better efficiency and for disaster management related to weather changes.

For this discussion the Weather Monitoring Websites for consideration are Indian Websites like the

## 1.INDIA METEOROLOGICAL DEPARTMENT

Ministry of Earth Sciences

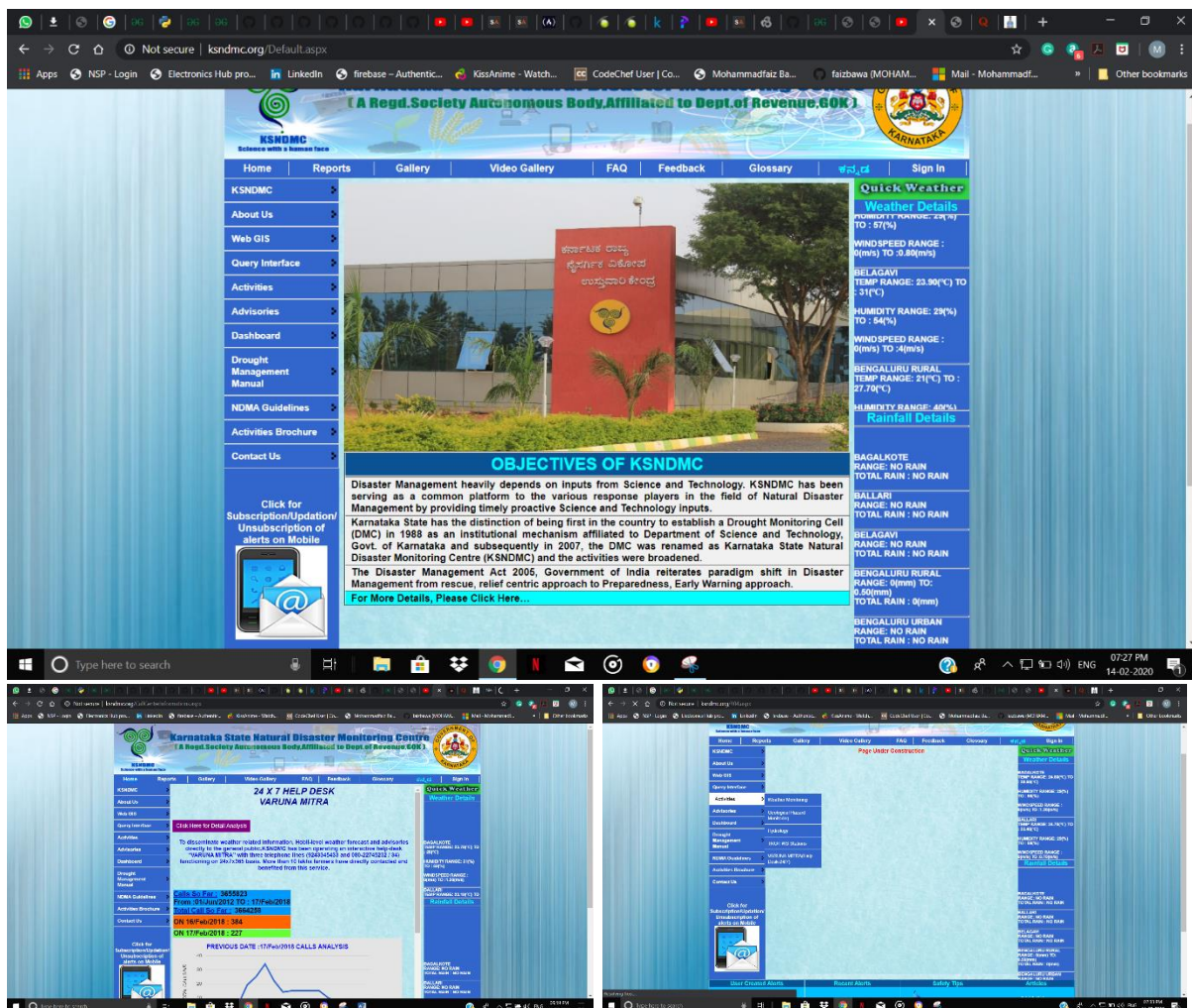
Government of India.



Here is the Snap of the website with Belagavi weather displayed at the left on the top with Some of their Services. They have also developed an app which is also listed in this report further.

## 2.VARUNA MITRA

Karnataka State Natural Disaster Monitoring Centre  
Government of India.



These are the snaps of the Homepage of the official website, currently the website is under development and the weather monitoring services are not yet available. Varuna Mitra provides a helpdesk services for the users which shows the statistics of the calls received in the picture above. The weather for all districts of Karnataka are displayed in the right corner of the webpage.

These are the official websites of the govt. and further are some useful apps and their functionalities in brief.

Some of the Apps(android) reviewed are Indian while some are mostly well-known with a star rating of 4.5 and above and over a 1 million downloads, these include

### 1.Indian weather app:



The free app is aimed at providing weather information, however the app is difficult to find and also it seems cease functioning currently.

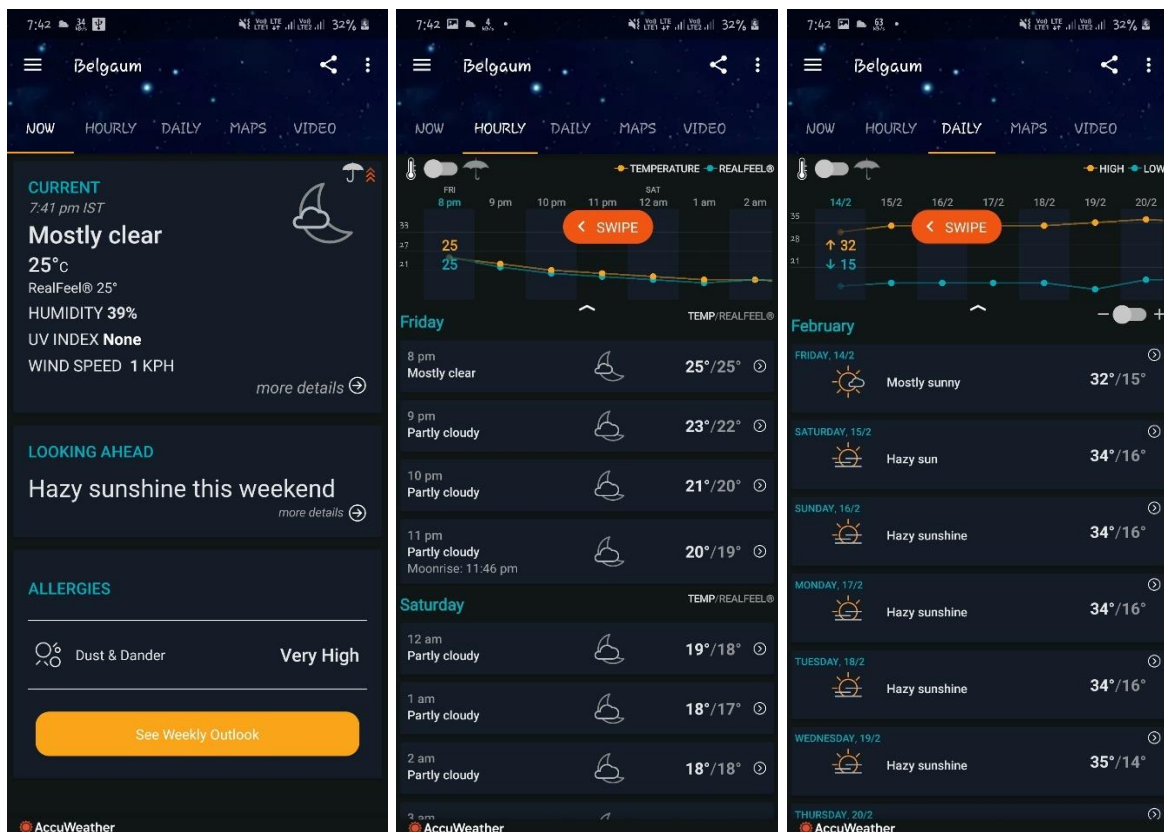
Meteorological department has launched a new app called India Weather app for Android phones.

The app aimed at giving only basic information like four day weather forecast with temperature, humidity, wind direction and speed, and rainfall data. The app automatically detects your location and claims to give information accordingly.

### 2.Accuweather:

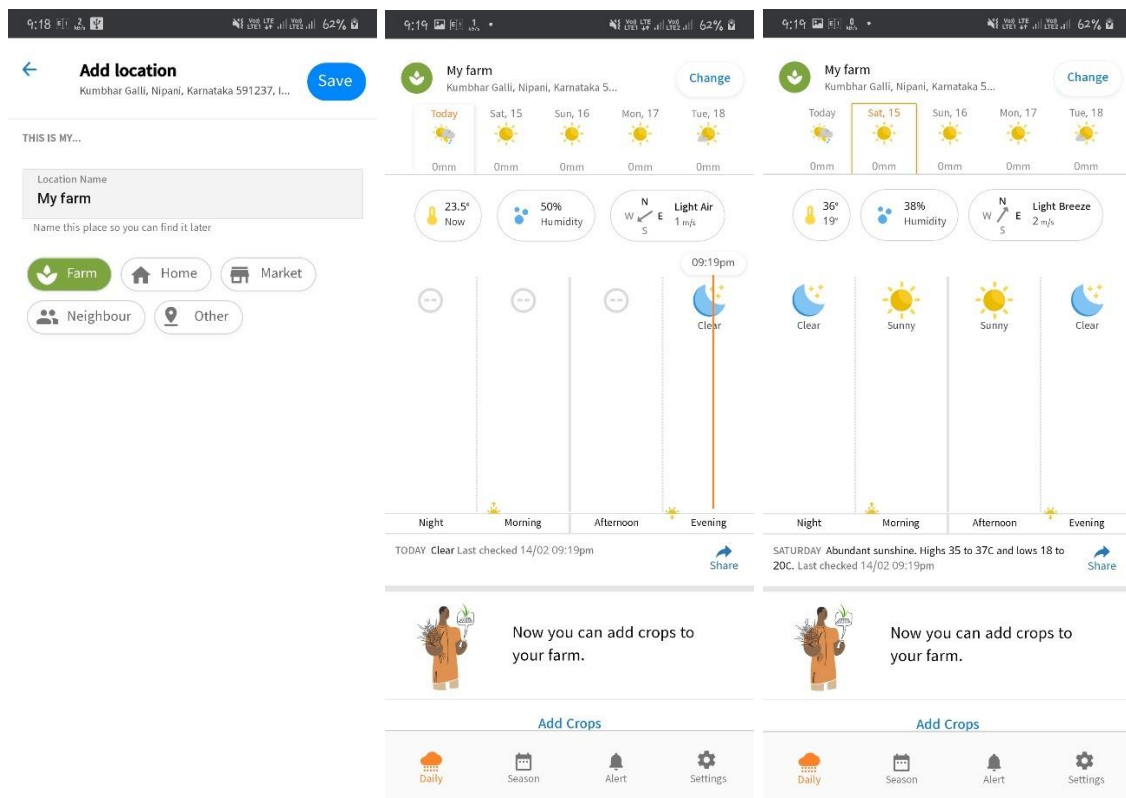
A very popular app for weather forecast and gives the analysis of weather anywhere. It has a rating of 4.7 and is aimed for everyday citizens.

After entering the place or town name of your choice it gives a forecast information as follows

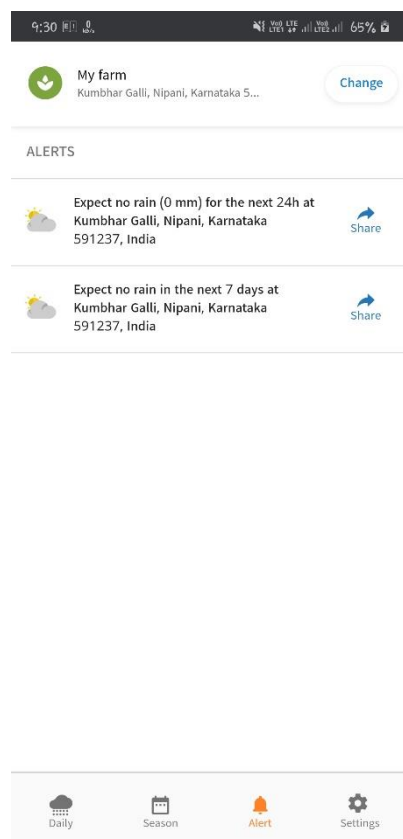


### 3.Yara FarmWeather : hyperlocal weather for your farm

A very useful app to track the local weather for your farms and gardens by **Yara International ASA** is a global firm specializing in agricultural products and environmental protection agents.



It tracks the Crops for your field along with the weather forecast for a week. There includes an rainfall alert for your crops which is very helpful.



The Alert Tab in the app gives us warnings according to our place and the requirements for the farm.

There are features like Seasons and also it registers and saves all your data for future references. All in all a very innovative and practical app for farmers in this modern digitization era.

### Drawbacks:

1. There are official websites of Government of India helping farmers and agriculture of the region but they are limited to certain regions and small farms in remote areas are neglected even though the data can be acquired through various methods.
2. Relying on the websites for the farmers can be bit challenging due to websites not being user-friendly and convenient to use.
3. Many of the apps are for everyday use and using them for farms can be little useful but there is a need for specialized means for it.
4. The app By Yara International fills the criteria and provides alerts but it also doesn't provide an offline alert, also it is an international organization aimed at chemicals for agricultural use and cannot be useful in disaster management.

### Conclusion:

The following survey concludes that there is a need for a specific application with disaster management and farmland weather monitoring with a focus on the alerts .

While the Govt of India has official websites their functionality is rather questionable many of them are offline certain times and do not have a clear and user-friendly experience.