

Problem statement:

Considering unavailability of funds, infrastructure and trained man power to establish and maintain the network of Automatic Weather Stations; Department of Agriculture, Government of Maharashtra dropped out the EPC mode as the vendors were interested in only selling the AWS. Moreover, vendor has not taking any liability or responsibility of AWS maintenance and credibility of the weather data. Additionally, lack of funds and trained manpower with the agriculture department would make EPC mode unsustainable.

Hence, the agriculture department planned to implement this project in Public Private Partnership (PPP) on Build, Own & Operate (BOO) basis for the period of 7 years in which total cost of the project solely invested by the private partner who provide quality weather data and takes responsibility of the data quality for long term basis.

Approach (SWIMS):

- Installed 2061 AWS sensors in Maharashtra
- Authentic data partner to the Government of Maharashtra for Weather based Crop Insurance Scheme (WBCIS) and Pradhan Mantri Fasal Bima Yojana (PMFBY)
- Skymet generate revenue through selling measured weather data to various insurance companies especially in the WBCIS and PMFBY schemes. While, at the same time, Government of Maharashtra could get the data free of cost.

Benefits to Client:

- Weather data collected from the network has been used in finalizing the crop insurance claims
- It is the first time when Agriculture Departments, Universities, Research and Training Centres and experts have come on a common platform to integrate Skymet's Artificial Intelligence and Machine Learning Technology, weather data and their expertise to deliver factual weather advisories to the farmers.

