**Keys Elements of CIS & EWS as presented on the Architecture**

1. Ground Receiving Station
2. This fetches real-time climatic information
3. Receiver
4. This server receives directly the data downloaded from 1.
5. Processor
6. This server is used to filter the downloaded data for the required information and process it into the appropriate format.
7. IFSERAR
8. This is the institute where the servers in 1, 2 are hosted.
9. Groups 2 & 3
10. Application Engine
11. This is the software application which will serve as the central control system of the components, resources and users.
12. It will be hosted in a secured cloud server to ensure availability and accessibility to users at all times.
13. The Application Engine can be administered, managed and maintained through a System administrator’s web socket.
14. Storage (Premise & Cloud)
15. Users information (Admins, end-users: farmers and others)
16. Archive
17. System Administration

This will provide the following service

1. Server management
2. Creating admin users
3. Monitoring system usage via statistics
4. Report generation
5. SW Stations
6. Creating users (farmers) in their state
7. Communication with Project Team
8. Liaison with farmers through channels as mobile app, internet radio
9. Advisory services identified through feedback mechanism on mobile app, internet radio.
10. Mobile Apps
11. Individual user account
12. Feedback mechanism
13. Expert & Advisory support
14. Real-time location-based climatic information
15. General information, announcements, notices & warnings
16. Web Geo-Portal
17. Internet Radio
18. Agro-Weather Tools
19. IVR
20. Internet/Telecoms

**Needs / Requirements**

1. Application Engine
   1. HP Server (Specification)
   2. OS License
   3. Anti-virus
   4. Database Management Tools
2. Mobile Apps
3. Web Geo-Portal
4. Internet Radio
   1. Themes
   2. Plugins
   3. Streaming softwares
5. Agro-Weather Tools
6. IVR

**Required Development Tools**

1. 2 Laptops
2. 3 Android phones

**Other Cost Requirement**

1. Internet data
2. Power