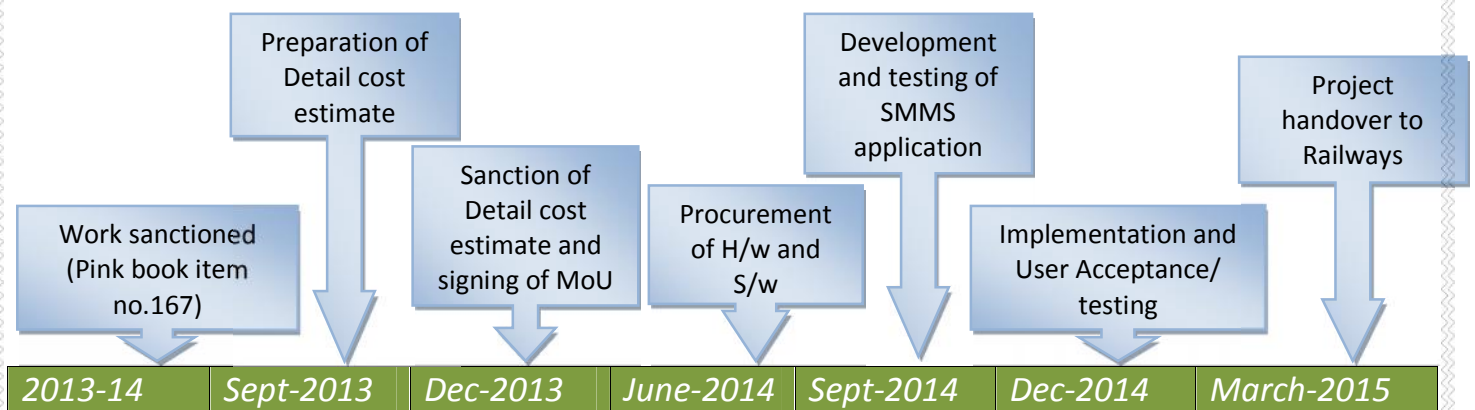


# Signalling maintenance management System



## Timelines:-

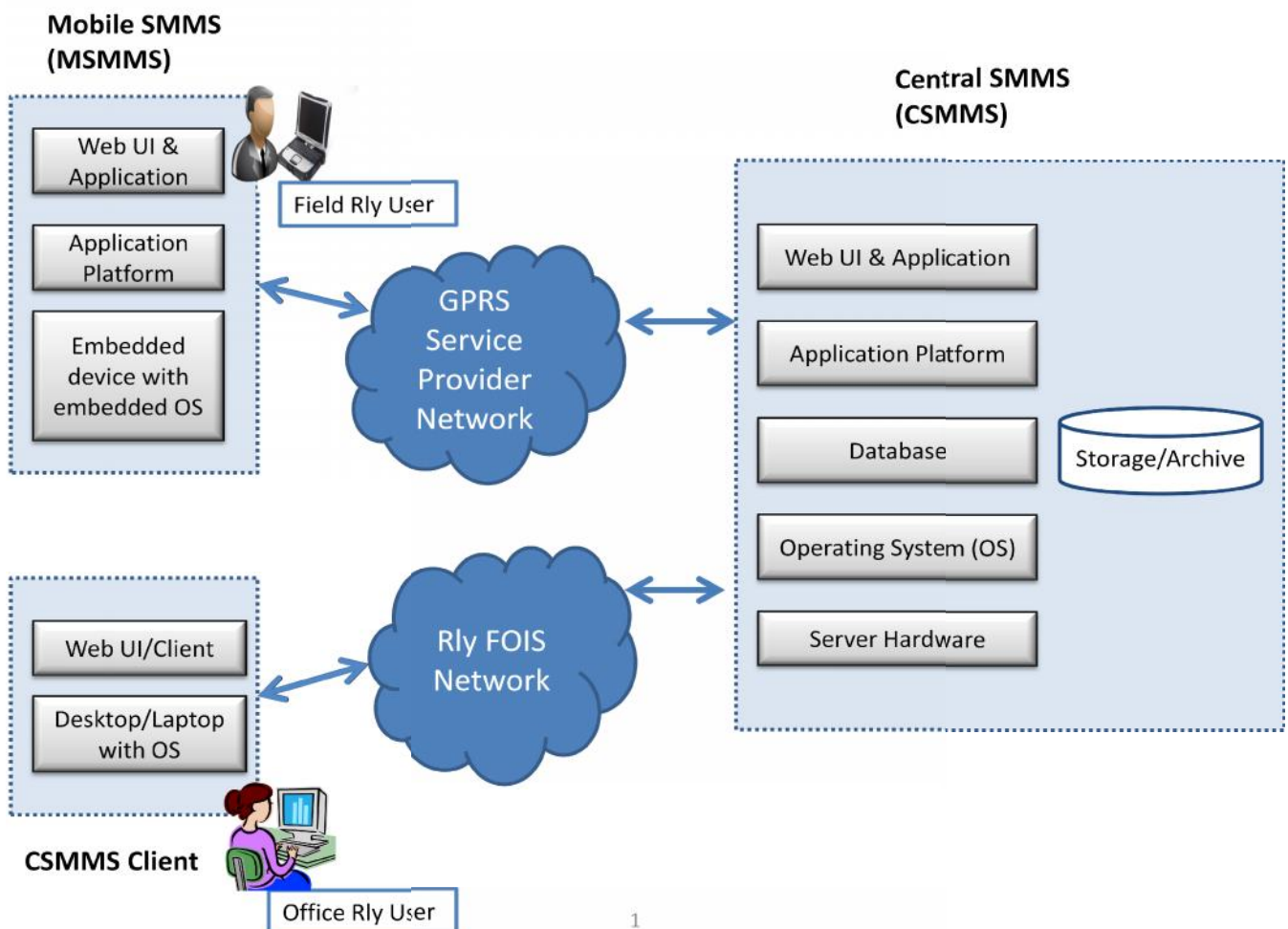


## Project Overview: -

SMMS project entails to computerize signal maintenance, inspection procedures, signalling assets and inventory, maintenance workforce management and generate various reports based upon this data for short term and long term management. Signalling Maintenance Management System (SMMS) involves handling of huge volume of static as well as dynamic information, analysis of various measurements and defects and planning of manpower, materials and maintenance schedules. In this project, maintenance staff will be equipped with tough books/rugged pads to enter the maintenance data from field locations.

In the pilot phase SMMS will be implemented on Badli - Mohri section of Delhi Division and Ambala(Ex) - Rajpura(Ex) section of UMB division.

## System Architecture:



## Project Benefits:-

The system is intended to computerize maintenance records of signalling gears by S&T department in order to carry out maintenance work more efficiently. This will help the management to make informed decisions.

Following broad benefits through SMMS project are envisaged:-

- i). Signalling Maintenance Management System application will integrate various signalling health monitoring data, inspection data and inventory data to provide useful information for taking better decisions regarding maintenance and up keep of signalling system.
- ii). SMMS shall help in processing the voluminous signalling monitoring data quickly and in an efficient manner.
- iii). Day-to-day maintenance activity and related information can be made available on-line.
- iv). After the SMMS implementation all manual register and record keeping can be withdrawn and e-working can be introduced in S&T department.
- v). On-field data entry of maintenance status of signalling devices.
- vi). Positive inventory control and assessment of requirement of material by the management.