

## CASE STUDY

### Business Needs

- To automate measurement book (works management)
- Open source solution for low cost
- Readily available solution with minimal tweaks as per business requirements
- To be deployed on cloud

### Solution

- Customized Java based ERP solution for the client
- Deployed the servers within India location as per the regulation
- Google like search within application
- REST API interfaces for multi-platform support
- Automated deployments

### Benefits

- Readily available solution with ease of customization
- Automate the measurement book which is the heart of works management within Government
- Reduce pilferage of measured data for works in progress
- Audit trail of changes to measurement book
- Management view of what is in progress and causes for project delays

### Technical

- Enterprise Java beans, Spring, Hibernate, AJAX, JQuery, HTML5/CSS, Maven, Jenkins, DevOps, Eclipse, JBOSS/Wildfly, PostgreSQL
- AWS Services – S3, EC2, VPC, IAM, Route53,

## Enterprise Application for eGovernment on Cloud

### Client

The client is Andhra Pradesh Capital Region Development Authority (APCRDA), an urban planning agency of the capital, Amaravati. It was notified on 30 December 2014 by the Government of Andhra Pradesh as per Andhra Pradesh Capital Region Development Authority Act, 2014. It has a jurisdictional area of 8,352.69 km<sup>2</sup> (3,224.99 sq mi) spread in Guntur and Krishna districts. It also includes 214 km<sup>2</sup> (83 sq mi) of the new capital city of Andhra Pradesh, Amaravati, which is going to be the first full scale smart city in the country.

### Challenge

The measurement book must be looked upon as the most important record, since it is the basis of all accounts of quantities, whether of work done by daily labor or by the piece work system or by contract, or of materials received, which must be counted or measured. The description of the work must be lucid, to admit of easy identification and check Payments for all works done otherwise than by daily labor's and for all supplies should be made based on detailed measurements to be recorded in measurement books in accordance with the rules laid down.

### Solution

In a significant decision aimed at minimizing chances of pilferage, client wanted to automate the recording of measurement book under works management.

OSoft Labs is identified as the technology/delivery arm to help the primary vendor of the client.

The platform provider is eGovernments Foundation (eGov) which transforms urban governance with the use of scalable and replicable technology solutions that enable efficient and effective municipal operations, better decision making, and contact-less urban service delivery. eGov solutions help local self-governments achieve technology enablement, process improvements, accountability and transparency at various levels of administration. The data analytics solution also helps realize data driven, efficient decision making at highest levels of administration. Deployed in over 325 municipalities, the platform is tested and tried with no issues.

The application is hosted on AWS cloud within Mumbai region for regulatory compliance.

## Enterprise Application for eGovernment on Cloud

## eGOV SMARTCITY PLATFORM



## About OSoft Labs

OSoft Labs provides end-to-end IT services for application development, maintenance and support to businesses, using innovative and cost effective solutions. OSoft Labs helps selecting the right technology for the business requirement which has a significant impact on the business growth to help transform and make business functions simpler, faster and better.

Founded in 2012 and head quartered in Hyderabad, India; OSoft Labs is **AWS technology partner** and **ISO 9001:2008** company.

OSoft Labs has been recognized as **“Top 20 most promising cloud computing solutions providers – 2016”** by **CIO Review** magazine in October 2016 special edition.

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