

Integrated Project Management System - Railways

Assignment Name

Integrated Project Management System

Country: India

Location within Country: Bangalore, Hubli, Karnataka

Key professional staff Provided by - Your Firm/entity(profiles): Program Manager, Project Manager, Solution Architect, Developers, Testers, Database Experts (Oracle), Technical Documentation Staff, Domain Experts

No. of Staff: 18

Duration of the assignment: 3years

Narrative Description of Project: The IPMS is a migration project from FoxPro 2.6 to Oracle 11g. At any point of time, Railways handle projects worth about INR 4 billion (400 crores) and the IPMS helps the Railway to track expenses, milestones, contractor payments, materials and effort. It comprises of 4 modules that handle all aspects of construction:

1. Project Monitoring System (PMS)
2. Personnel and Payroll System (PPMS)
3. Stores Management System (SMS)
4. Finance Management System (FMS)

PMS is the primary asset database. Rail assets are created by the PMS and the module handles tendering; milestone and delivery management; verification and approval of invoices; contractor management; estimation; and audit. The PPMS handles personnel data; leaves; payroll; perquisites management; officer quarter management; training, awards and career events; income tax and provident fund calculation; insurance; etc. SMS handles BSR and Non-BSR items; stores and inventory management; procurement, consumption and disposal of stores items and scrap; etc. FMS integrates all the above modules by consolidating the financial aspect of all transactions; bill approval; cheque printing; budget management; fund management; cash flow; account current generation and consolidation; balance sheet and Income – expenditure statements, etc.

The Government system of accounts is followed, which includes fund management and preparation of the account current and several works registers.

Integra's Solution

Migration of a legacy Foxpro based system to web based online system using latest Java technologies and Oracle 11g. In the process, the entire system was revamped and redesigned to suit the current and future requirements of Railways as a whole, including implementation of payroll, stores management, monitoring and control of projects and financial accounting module. It included extensive reporting and MIS (Management Information System) modules.