


Crew Management System

Indian Railways, the largest Employer of the world, developed a 24x7 Crew Management System (CMS) application managing its crew for operating trains on the largest rail network in the world. CMS project deals with all categories of train crew who are required to operate a train on Indian Railways.

Refer below Central Application Phases:-

PHASE I						PHASE II	
Pilot Ph 2007	Stage I (Jan2008)	Stage II	Stage III			Stage I	Stage II
5 Lobbies (at BRC and RTM Division)	153 Lobbies (incl. 5 lobbies of Pilot phase)	143 Lobbies	21 Lobbies Redistribution	5 Lobbies (BA/BIO)	39 Lobbies Delivery of Equipment under process (NR,NW,NC)	220 Lobbies	100 Lobbies
Completed on ↓	Completed on ↓	Completed on ↓	Completed on ↓	Under Trial ↓	Under Process ↓	Under Process ↓	Under Planning ↓
Dec'07-Aug'08	Jan'08-Nov'08	Jul'08-May'10	May'10-Jan'11	since Oct'12			

Assistance : Estimates to be expedited

PROJECT	Estimate (In Cr)	Amt. Pending with	
Phase II, Stage II 100 lobbies with BA & BIO 67 Training Centres 84 Control Centres BA for 296 lobbies of stage I	29.99	CAO/FOIS proposal for Rs. 29.99 Crore to R. Board on 23.1.12	

Objective: CMS application aims at –

1. Optimum and effective utilization of crew through monitoring of mandatory requirements
2. **Effective scheduling and assignment of train crew**
3. **Schedule rests** (12/16) of the crew based on total duty hours completed
4. **Paperless Lobby** – Calls for booking through SMS, Caution Order, Circular, Sign On/OFF
5. **To generate computerized mileage report** for direct submission to P Branch for payments.

Highlights :

1. User friendly, 24 x 7, browser based application running on thin clients.
2. It has n-tier J2EE architecture using struts frame work supporting open standards.
3. Seamless integration of sub systems like BA,BIO with the existing business applications.
4. Single sign-on feature.
5. Comprehensive data validations during capturing.
6. Industry standards security features.
7. Highly customizable and scalable; reduces deployment time.
8. Extensive help Support 24 x 7
9. User friendly, 24 x 7, browser based application running on thin clients.