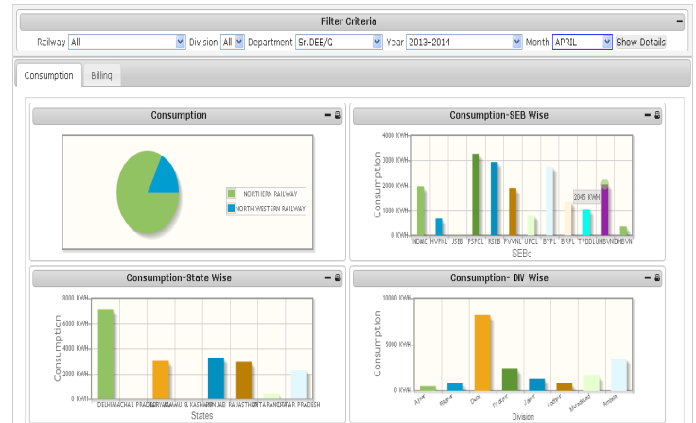
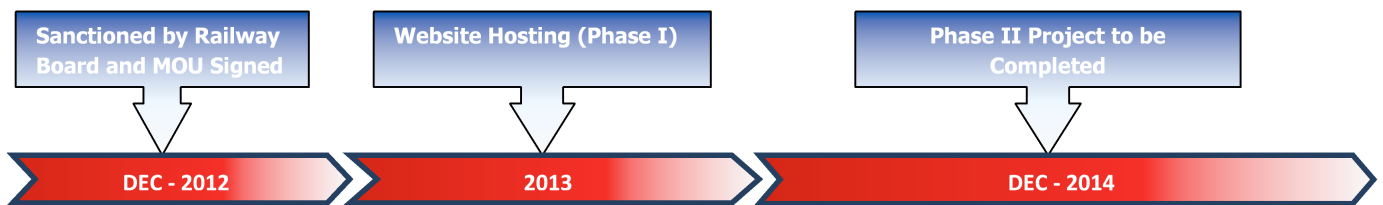


# ELECTRICAL ENERGY MANAGEMENT SYSTEM (EEMS)



## ❖ TIMELINE



## ❖ MODULE WISE CURRENT STATUS

S.No	Module Name	Current Status
1.	PHASE I - RAILS AVER Website and Application for Energy Data Entry Modules.	Under Test Bed Implementation.
2.	PHASE II - Pilot demonstration of energy efficient technology on IT Platform through 500 AMR Meters	Under System Study Phase.

## ❖ PROJECT ESTIMATES SANCTIONED

S.No	Phase wise Project Description	Sanction when	Value in Rs crores	Current Status
1	PHASE I - RAILS AVER Website and Application for Energy Data Entry Modules.	2012	1.57 Crores ( CRIS Portion) as per AE	Sanction of DE of Rs. 1.64 cr. is pending with Railway Board.
2	PHASE II - Pilot demonstration of energy efficient technology on IT Platform through 500 AMR Meters	2012	9.94 Crores ( CRIS Portion) as per AE	Detailed Estimate is under Preparation.

❖ FEATURES OF EEMS	❖ PLATFORM USED
<ul style="list-style-type: none"> <li>➤ Monitor flow of Energy in Railway Electrical Network.</li> <li>➤ Draw Energy consumption trends.</li> <li>➤ Diagnose specific areas of wasted Energy.</li> <li>➤ Accurate and regular Energy measurement.</li> <li>➤ Real time monitoring of performance parameters.</li> <li>➤ Decision support system for large Network of Railways.</li> <li>➤ Railway Electrical Network Health Monitoring, Load Profiling and Energy Audit.</li> <li>➤ The ultimate goal of Energy Monitoring is to reduce Energy costs through Improved Energy Management.</li> </ul>	<ul style="list-style-type: none"> <li>• PHASE I - RAILS AVER Website and Application for Energy Data Entry Modules.                             <ul style="list-style-type: none"> <li>❖ Hardware                                     <ul style="list-style-type: none"> <li>➤ Intel x86 based server with RHEL as OS (with Virtualization).</li> </ul> </li> <li>❖ System Software                                     <ul style="list-style-type: none"> <li>➤ WebSphere Application Server as middleware and RDBMS as backend.</li> </ul> </li> <li>❖ Application Software                                     <ul style="list-style-type: none"> <li>➤ Designed, Developed &amp; Hosted using open source J2EE Framework.</li> </ul> </li> </ul> </li> </ul>