

SLAM (Software for Locomotive Asset Management)

The System for Locomotive Asset Management (SLAM) project is for management of Electric Locomotive for Loco Maintenance, Operation, Schedules Planning, Execution and Monitoring. This software system envisages development of software for interlinking sheds (including out pits), divisional/Zonal headquarter, workshops, CLW, RDSO and Railway Board (Ministry of Railways). Besides management at loco sheds it aims to provide a portal based Custom built application module for providing specified functionalities. The System for Locomotive Asset Management (SLAM) software as a pilot project has been developed using web technology and is deployed on web based central server.

OBJECTIVES.

- Planning Progress Investigation Organization (PPIO)
- Section Modules (loco assemblies owning & OH/Repair wise) for E2/E3(TM & Auxiliaries)/E4/E5/E6/M2/M3/M5/M7/M1/M4/MW/M6
- Section Modules (schedule sub or support processes wise) for E6/M1/M4/MW
- Technical Section module for Reliability Action Plans/Cyclic Checks/ Modifications/ Developmental activities execution
- Failure analysis / Investigation Module
- Laboratory Module
- Section Module for Machine & Plants
- Tools & Instruments Handling
- Material Management Module for NS stores and sections.
- Local documents management
- General / Common Module for All sections
- Shed Information Dashboards
- Shed Application Administration Took Kit
- IT Automation Devices Support
- Shed Alerts Module
- Shed HR module

ACHEIVMENTS-

SLAM Pilot Phase- 1

- SLAM application has been implemented in 7 Electric loco sheds ie. GZB, CNB BRC, AQ, NKJ, BL,TKD and running successfully

BENEFIT DERIVED-

1. Repair /failure history of loco available to all sheds online instead of owner shed.
2. Paper less work in loco sheds.
3. Dash Board for all job activity maintained
4. Alerts for various maintenance schedules.

INTEGRATE WITH OTHER APPPLICATIONS

1. With CMS for loco abnormality
2. Interlinked with IMMIS plan for material indents

WAY FORWARD

SLAM (Rollout) for PAN India has been sanctioned and planned to implement in all Electric loco Sheds.The inhouse software development is in hand and tender proposal for HW and deployment is at advance stage.