RAIL MAINTENANCE MANAGEMENT MODEL

The Rail Maintenance Management Model (RMMM) has been developed to:

• Optimise rail maintenance and replacement
• Ensure that track meets the prescribed standards at all times
• Conduct condition based maintenance
• Take into account of resource availability and limitations
• Using up-to-date information on the track condition

PREDICTION AND PLANNING CAPABILITIES

• Rail condition for each section of track
• Remaining rail life for each section of track
• Annual grinding cost per km for each "section of track"
• Annual grinding cost for each scheduled Line
• Sensitivity Analysis with Various Scheduling Options
• Planning of capital purchase
• Planning of maintenance of New Lines

SCHEDULING OF MAINTENANCE

• Grinders Availability
• Abilities of Different Grinders
• Fixed scheduling of grinding and maintenance of grinders
• Sharing of grinders among various lines
• Enhance Scheduling Capabilities