

RAILWAY DESIGN AND DEVELOPMENT

➤ **Australia:**

Prepared Project Report for manufacturing & supply of Freight Wagons to Australia Railways from Titagarh Wagons Ltd., Kolkatta, India. This involved design development as per the requirements of Australian client.



➤ **Myanmar:**

Studied and developed a Project Report as Turnkey Project for Workshop for Rehabilitation and Repair of Traction Motor in Insein Workshops, Yangon. This project was developed in association with Rotomac Electrical Ltd. International Infrastructure Engineers (IIE) also

developed total Quality Assurance Plan including Installation, Commissioning for all the Machinery and Plants for this workshop

➤ **USA:**

Development of Project Proposal for Export of Track Fittings, as a long term plan as supplies from Indian Companies to US Railroads. This included Techno economic Feasibility keeping in view the fluctuating steel prices.

➤ **Vietnam :**

Studied and developed a project report for setting up a Traction Motor Repah Workshop in association with Rotomac Electrical Pvt Ltd., and Ishan International Pvt Ltd., Vietnam. This project report involved identifying and developing specifications for equipment, machinery and plant at existing Saigon Locomotive Workshop, Ho Chi Minh City.

➤ **Myanmar:**

This project report involved the Technology Oriented options for Prestressed Concrete Sleepers.

➤ **Vietnam:**

Project Report for Setting up the Manufacturing Facilities for Passenger Coach Repairs at Gia Lam Workshop in Hanoi. The study involved development and assessment of Equipment, Machinery, Plant, Tools, Fixtures & Staff requirements to undertake the Coach repair in Gia Lam workshop.

➤ **Thailand:**

Project report and study for New Line from Nongkhai, Thailand. This railway line was a part of extended Railway System connecting SRT Railway System Thailand with Laotian Railway System. IIE developed Subcontract packages for Track, Signaling System, Rolling Stock and its maintenance system.

➤ **Sri Lanka:**

Project Report for Rehabilitation of Track Infrastructure of Colombo Galle Section to study the corrosion of Track and its Fittings, and recommend the remedial measures thereof.

➤ **India:**

Development of a project report for the Indian Wagon Industry as a part of Wagon Construction program by suppliers of Freight Stock for Indian Railways. The study involved defining Technological norms for up-gradation of such industry based on quality and productivity to optimize reliability and costs.

➤ **India:**

Preparation of Proposal for Development of Container Freight Depot at JNPT-Bombay, 1999. This was to develop the Multi-modal System of Transportation Hub with Private Sector Participation

➤ **Sri Lanka:**

Developed a project report for Setting up of Maintenance facilities of Railway Rolling Stock which included Freight Stock for Carrying Cement Ore for Puttlam Cement Plant, Negombo, Sri Lanka. This also involved upgrading the facilities of loading/ unloading to cater for higher productivity of the use of freight stock.

➤ **Tanzania:**

Developed a Project report as a Study for affecting Fuel Economy on Tanzanian Railway Corporation. This involved development of a Fuel Accountal System, Administrative and Organization Changes including Maintenance aspects of Diesel Locomotives and Staff Training.

➤ **Sri Lanka:**

Developed Project Report and recommended measures for performance oriented productivity plan for Ratmalana Workshop. These productivity improvements included the maintenance of Indian, Chinese and Romanian Coaches. As a result of this study the productivity improved by an order of magnitude. Developed Maintenance Management as Total Maintenance of Diesel Electric Locomotive; passenger Coaches and Freight Stock for Implementation on Indian Railways.

➤ **Malaysia:**

Development of Project Report for upgradation of maintenance facilities and a productivity oriented package for Railway Workshop. The primary objective was for systemization of maintenance of Rolling Stock and Introduction of Up-graded Technology as in Developed countries. A plan was also developed for Design, Rehabilitation of Rolling Stock as a part of this total package for KTMB, Malaysia.

➤ **India:**

Developed Maintenance Management as Total Maintenance of Diesel Electric Locomotive; passenger Coaches and Freight Stock for Implementation on Indian Railways.

➤ **Bangladesh:**

Study of the Maintenance Support for Diesel Electric Locomotive including the backup shop overhaul facilitation. The study involved highlighting the available facilities and support systems as a long term plan.

➤ **Ghana:**

Consultancy of a Project Report for 170 Beds Hospital in Ghana involving Techno-Economic feasibility of the project Project Management of Setting up the Hospital Quality Assurance for equipment supplies This was a total healthcare project and the project report highlighted the issues of identifying the critical areas of operation and technology.

➤ **Middle East:**

Associated in development of Proposal for Housing Complex, School and other Urban Sector Projects in Saudi Arabia as submitted by IRCON Ltd., India.

➤ **Kenya:**

Preparation of a Project Report for Development of a Dairy Plant, to be set up in outskirts of Nairobi. The plant was a 3-Tier setup for three different milk products.