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DEPOT EXPERTISE

DEPOT EXPERTISE

Engineering Excellence.
Powering Mobility.

ENGINEERING EXCELLENCE

INNOVATION DRIVEN

RELIABLE SOLUTIONS

NATIONWIDE IMPACT

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PROJECTS EXPERTISE

ABOUT US

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Commenced operations in **1986.**

Specialized, **Rail Focused**, Indian Multinational

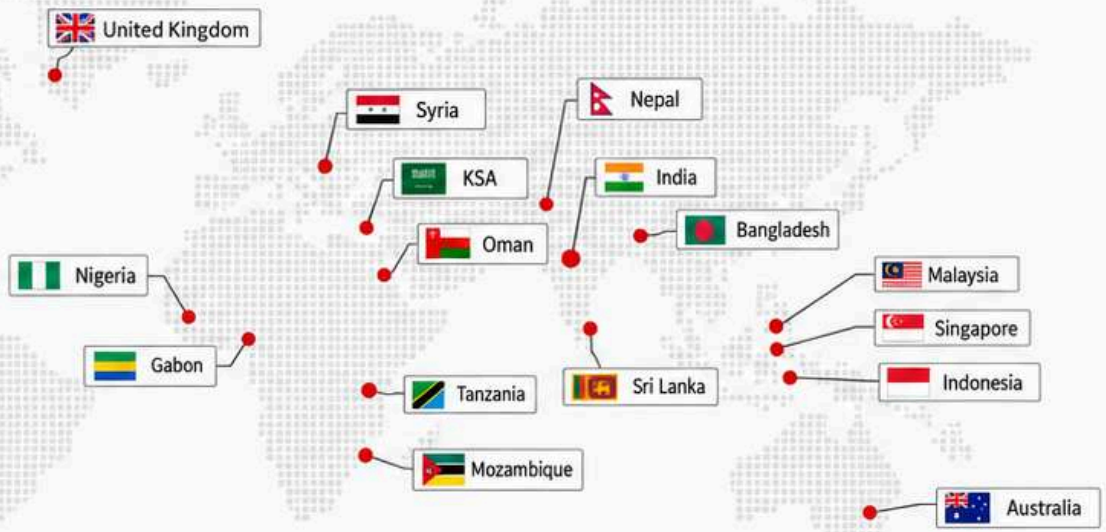
A **Global Consulting** organization with over three decades of specialized Railway experience.

Executed Projects in **18 countries** across **5 Continents.**

Industry Recognition:

- CEAI National Award for Excellence in Project Engineering 2024
- Best Services Company from Industries and Commerce Department - Government of Telangana – 2024
- Iconic Brand of Year – 2023
- National Award for Consumer Insight of the year 2023.
- Winners of 5th edition of Iconic Brand of the year award 2023.
- INDIA 5000 BEST MSME AWARDS – 2023.
- Leaders of Global Magazine as 10 Most successful Consultant Companies of 2022
- SME Empowering India Awards – 2021
- Rail Analysis SME of the Year- 2020
- SIDBI-ET India MSE Best Exporter Award – 2019
- Corporate Excellence Awards, CV Magazine – 2018
- INDIA 5000 Best MSME Awards – 2017
- India Small Giants, MSME's of India – 2013-2014
- BOI India SME 100 SME Award – 2012
- EPC World Award, Best Emerging Consultant – 2011
- EPC World Award, Best Railway Consultant - 2010

GLOBAL EXPERIENCE



1200+ Completed Projects

25+ Urban Transit Assignments

500+ Railway Professionals

ISO 9001
BUREAU VERITAS Certification

UKAS MANAGEMENT SYSTEMS 0008

SIGNALLING EXPERTISE

SPECTRUM OF SERVICES

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- Planning
- Design
- Project Management
- Advisory

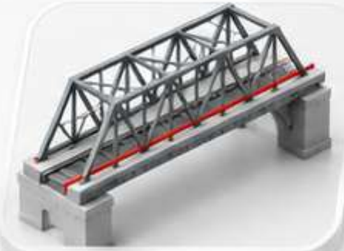
FREIGHT

SUBURBAN

METRO

INTER-CITY

TRACK



STRUCTURES

SIGNALLING & TELE-COMMUNICATION

POWER SUPPLY & TRACTION

ROLLING STOCK

THE FOUNDERS

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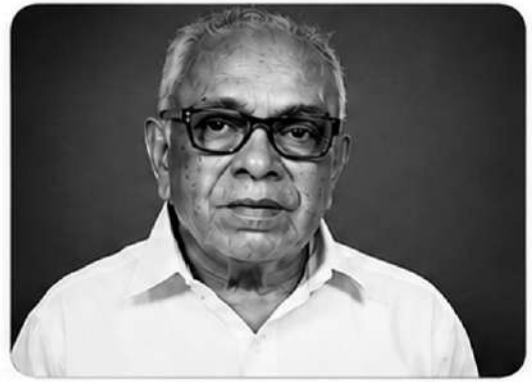
Late Shri. H.C. Shrivastava

Retd. Dy. Chief Engineer, IR

Late Shri. Arjun Pershad

Retd. General Manager, IR



Late Shri. T.V. Srinivasan

Retd. Chief Commercial Manage.
IR

Late Shri. M.P. Sankarnarayanan

Ex. MD, Ventra Locomotives

Late Shri. M.V. Srinivasan

Retd. Member Traffic, Indian Railway Board

Late Shri. M. Raja Rao

Retd. Chief Engineer, IR

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DIRECTORS

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M. Ravindra
Non-Exe Chairman

Sunil Srivastava
Managing Director

V. B. Gadgil
Independent Director

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Manoranjan Pershad
Director Corporate Affairs

N. Madhusudhan Rao
Independent Director

V. Ramakrishnan
Director – Strategy

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DETAILED DESIGN ENGINEERING FOR DIESEL-ELECTRIC LOCOMOTIVE MAINTENANCE SHED

Preliminary, Conceptual Plan and Detailed Design Engineering Services for Diesel-Electric Locomotive Maintenance Shed along with Training Centre and Hostel at Roza, Shahjahanpur District, Uttar Pradesh

- Detailed design engineering of Civil, Structural, Architectural, Mechanical, Electrical, Piping, Plumbing, IT.
- Design of Maintenance Shed to facilitate the maintenance of Locomotives in a safe condition, to minimize risks to the staff of the Shed.
- Design of training Institute which includes training facilities:
  - Air-conditioned lecture halls and lodging facilities.
  - Air-conditioned boarding facilities for 20 (twenty) trainees at a time.
  - One driving simulator.
  - One computer-based training module.
  - Any other facilities and infrastructure required for conducting the training

PROJECT STATUS:
Completed

CLIENT:
GE Diesel Locomotive Pvt. Ltd.

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DEPOT EXPERTISE

MASTER PLANNING & PRELIM DESIGN

WAGON POH WORKSHOP- KAZIPET

Prelim Design and Mater Planning Services for Setting up of Wagon POH Workshop at Kazipet, Telangana)

- Design of Alignment and L- Section as per the bid drawing of depot layout.
- Alignment drawing marked with proposed retaining wall.
- Earthwork calculation for tracks in embankment, blanketing material and cutting, Turfing material along the sides of track.
- Prepared Draft BOQ's of Track, Bridges & various Structural elements.
- Supply of P. Way items, Ballast and track linking items of ballasted and ballast less track. Items related to RL Platform, CC bed under track outside shed area and retaining wall.
- Overhead electrification – yard Lighting.
- Signalling and Telecommunication works and preparation of Final BOQ's of S&T & OHE

PROJECT STATUS:
Completed

CLIENT:
Shapoorji Pallonji and Company Private Limited

DEPOT EXPERTISE

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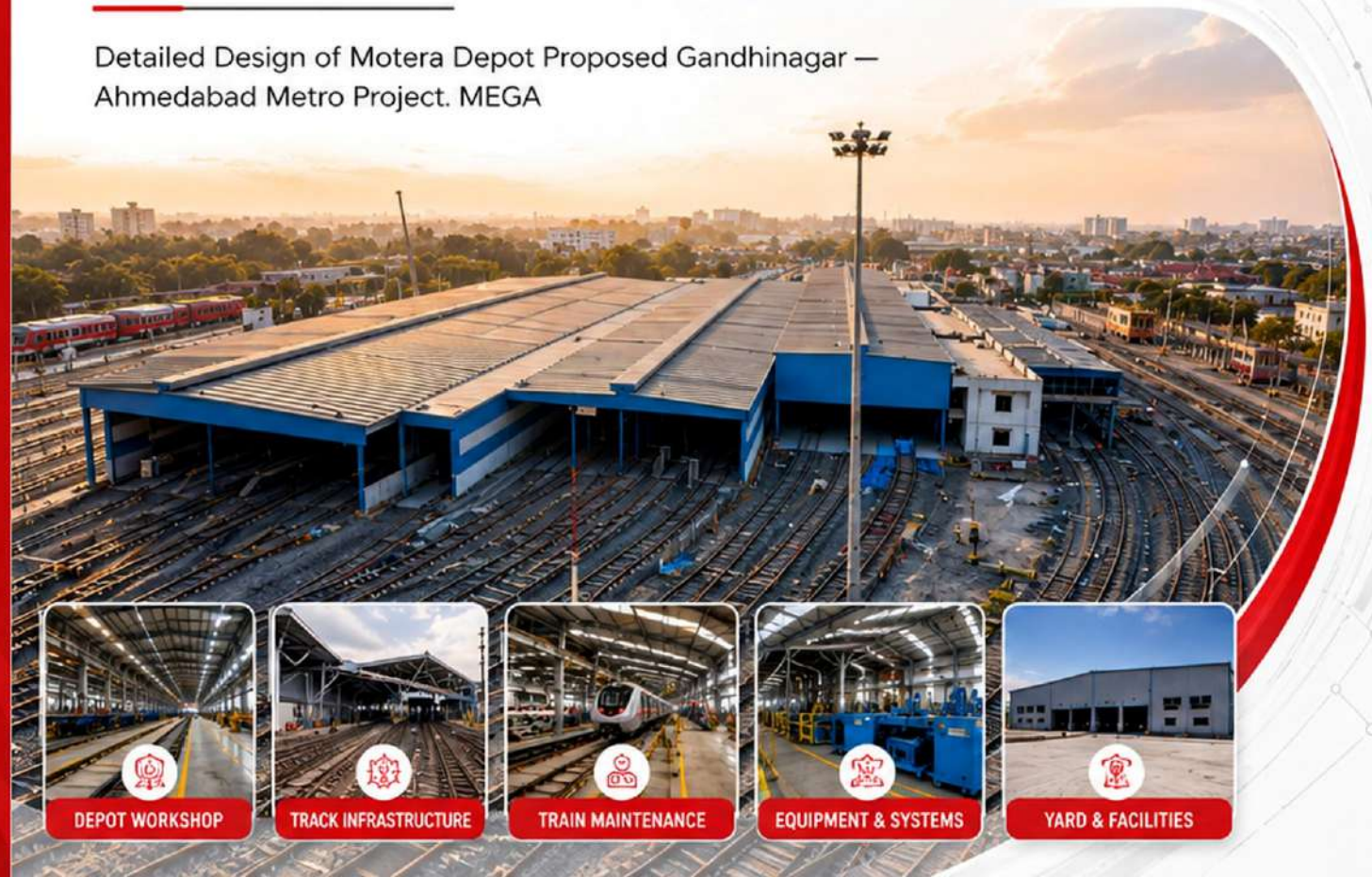
DETAIL DESIGN OF MOTERA DEPOT PROPOSED GANDHINAGAR — AHMEDABAD METRO PROJECT

Detailed Design of Motera Depot Proposed Gandhinagar — Ahmedabad Metro Project. MEGA



- Depot Location Size and activity stabling/ maintenance.
- General Arrangement Details
- Outline of Depot equipment and workshop area; Flood mitigation requirements
- Building and facility general arrangement
- Access road requirements
- Train control location and operation
- Location of stations plotted on Corridor map
- Basic GA of station
- Engineering measurements or sourcing of dimensioned drawings
- Assessed feasibility/Evaluating options for workshop or shed layout re-modelling.
- Collected information on Indian suppliers of car shed/workshop maintenance equipment and facilities.
- Developed layout drawings of car sheds/workshops etc.,

PROJECT STATUS:
Completed

CLIENT:
Metro link Express for Gandhinagar and Ahmedabad Company Ltd.

DEPOT EXPERTISE

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PRE-BID SERVICES FOR

DETAILED DESIGN OF EMU MAINTENANCE SHED

Preliminary Design of EMU Maintenance shed at 3 locations (Nagpur, Jaipur, Tiruchirappalli).

- Collected data of other EMU Maintenance depot, review of drawing and documents.
- Conducted Site visits of 3 locations
- Prepared Master plan of Depot.
- Preliminary Architectural & Civil Design and drawing of depot and other infrastructure like storage yard, HSD yard, Fire water tank, electrical sub-station, Office building.
- Prepared Preliminary track Design and drawing/ Yard Layout.
- Preliminary MEP design and drawing.
- Design-based report with technical specifications regarding: Architectural, Civil, MEP, Track.
- BOQ and Cost Estimation
- Final Design report

PROJECT STATUS:
Completed

CLIENT:
SIEMENS Limited

ENGINEERING EXCELLENCE | INNOVATION DRIVEN | RELIABLE SOLUTIONS | NATIONWIDE IMPACT

DESIGN SERVICES FOR

SETTING A DEPOT FOR ROLLING STOCK TESTING FOR ALSTOM DEPOT

Detailed Design Services for Rolling Stock Testing Depot
for Alstom, Sri City in Chittoor District, A.P

- Design of complete traction system as per the applicable and relevant standards & codes in consideration with the requirement of ATL.
- Design review of complete traction Substation (including Civil, Electromechanical and Earthing system.)
- Full Design and co-ordination Support for execution required for a fully functional and operational system related to the work of scope to be established.
- Prepared Tender documents and GFC.
- Technical Support during the project tenure

PROJECT STATUS:
Completed

CLIENT:
Alstom Transport India Ltd.

DEPOT EXPERTISE

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EMU DEPOT AND
BATU GAJAH YARD AT MUKIM BATU GAJAH DAERAH KINTA BARAT-MALAYSIA

Design of EMU Depot and Batu Gajah Yard at Mukim Batu Gajah Daerah Kinta Barat, Perak.

- Review of tender documents and with specific emphasis on the OHE (Overhead Electrification) systems requirements.
- Prepared GA & Preliminary Designs (OHE System) for the stabling line in the workshop, indoor equipment, and the lead line from Ipoh–Rawang main line, including interfacing arrangements.
- Prepared GA & Preliminary Designs of General Electrification requirements, including the substation.
- Prepared Sectioning & Wiring Diagram for the complete OHE system.
- Prepared Design Basis for all designs involved.
- Prepared detailed Bill of Materials for equipment and OHE-related works

PROJECT STATUS:
Completed

CLIENT:
K L Consult Associates SDN. BHD

DEPOT EXPERTISE

LOCOMOTIVE FACTORY AT
MADHEPURA & MAINTENANCE DEPOT AT SAHARANPUR & NAGPUR

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Lenders Independent Engineer (LIE) Services for Madhepura Electric Locomotive Pvt. Ltd. (MELPL) to Manufacture, Supply and Maintain Locomotive Factory at Madhepura & Maintenance depot at Saharanpur & Nagpur.

1. Phase I – Project Review and Assessment

- Contract Documents; Project Agreements; Construction Schedule.
- Project Cost Estimates; Infrastructure Support.

2. Phase II – Construction Monitoring

- Conducted monthly on-site visits, monitor physical progress, and ensure alignment with approved designs.
- Certified capital cost drawdown requests; Conducted performance testing review.
- Submitted project completion report covering design compliance, interconnections, and regulatory adherence.

3. Phase III – Operations Monitoring

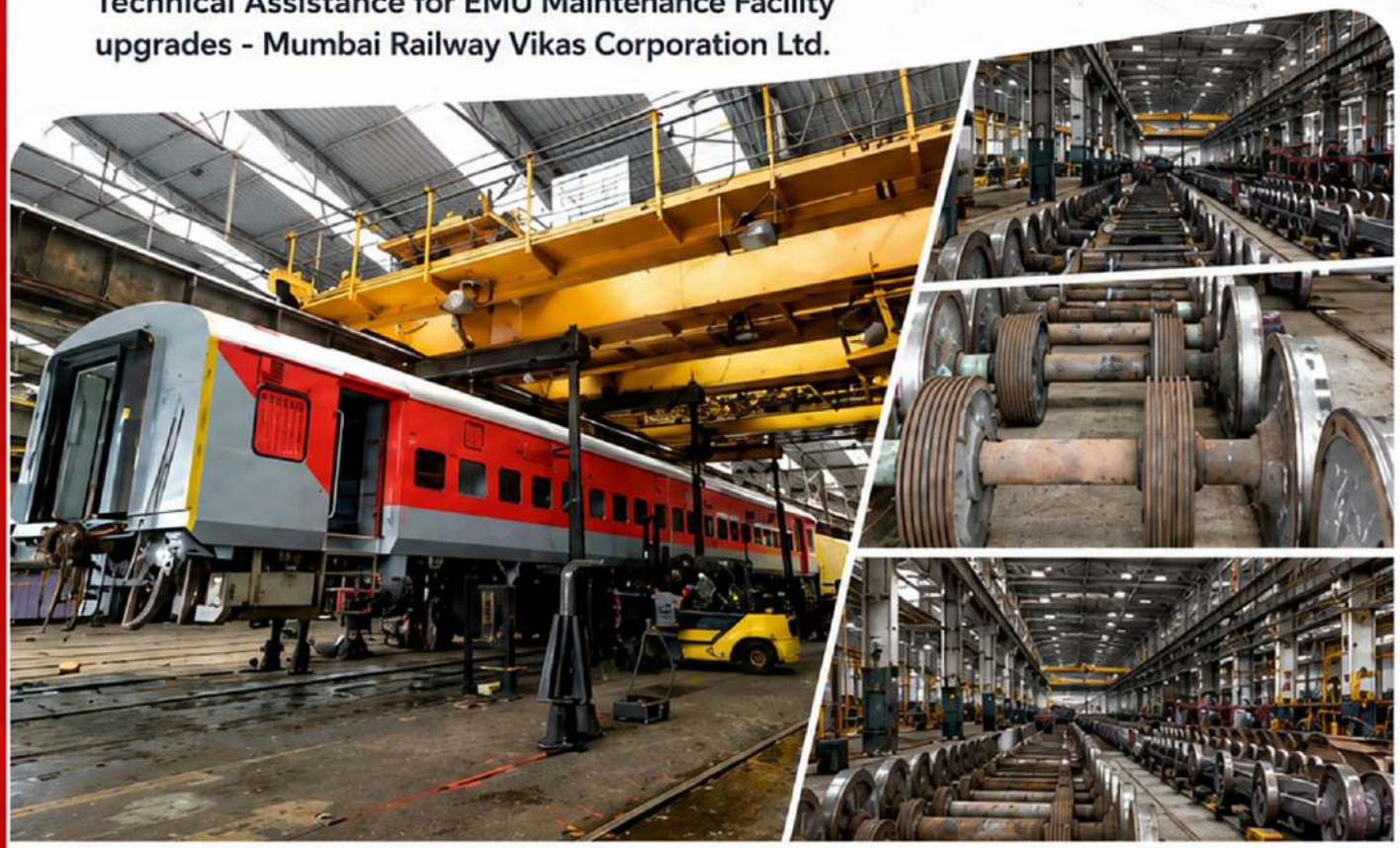
- Quarterly reports on operational performance vs. estimates.
- Advise on O&M compliance with agreements.
- Review O&M manuals, maintenance programs, and evaluate performance.

PROJECT STATUS:
Completed

CLIENT:
Interfleet Technology Limited

EMU MAINTENANCE FACILITY- MUMBAI, INDIA

Technical Assistance for EMU Maintenance Facility upgrades - Mumbai Railway Vikas Corporation Ltd.



- Inspection of EMU car sheds, EMU workshops on WR/CR and interaction with officials for data collection regarding current practices, process, workflow, reliability data and costs.
- Carried out preliminary engineering survey of existing infrastructure at the workshop/ car sheds for preparation of layout plans.
- Assessed feasibility/Evaluating options for workshop or shed layout re-modelling for enhancing capacity.
- Developed detailed drawing and estimates for the proposed remodelling.
- Provided Information on Indian Suppliers of crashed/workshop maintenance equipment and facilities

PROJECT STATUS:
Completed

CLIENT:
Interfleet Technology Limited

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DEPOT EXPERTISE

EXISTING WORKSHOP EXTENSION WORKS AND NEW LOCO WORKSHOP-GABON

Detailed Cost Estimates and Design for Existing Workshop Extension Works and New Loco Workshop, SERTRAG Libreville, Gabon.

- Prepared conceptual design of coaching and wagon maintenance facilities
- Prepared Budgetary estimates for creating the railway infrastructure
- Prepared Budgetary Cost Estimates for the development of Railway facilities, including Civil Works, Mechanical, Electrical, Signaling & Telecommunication Works, and OHE Works
- Prepared all relevant drawings and estimates mandatory for the Detailed Project Report
- Carried out detailed design development and engineering of all railway components
- Comprehensive Bill of Materials (BOM) and Specifications for all materials to be purchased
- Estimates for Civil Works, S&T Works, OHE Works (Railway Premises and Client Premises) and Block estimates for alterations in Railway Premises

PROJECT STATUS:
Completed

CLIENT:
Nouvelle Gabon Mining SA

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MEMU MANUFACTURING FACILITY - VANDE BHARAT FACTORY, LATUR

Project Management Consultant for setting up of Vande Bharat Rail Coach Factory at Latur, Maharashtra (India).

- Executed all civil foundations, structural steel works, and building construction as per design.
- Prepared and submitted detailed engineering drawings.
- Coordination with client and consultants for design approval.
- Conducted pre-commissioning and commissioning tests for all supplied equipment.
- Performance guarantee testing in-line with contractual requirements.
- Rectification of defects during the commissioning phase.
- Training client personnel for operation and maintenance of equipment.
- Progress reporting and project coordination with stakeholders.

PROJECT STATUS:
Completed

CLIENT:
Rail Vikas Nigam Limited (RVNL)

DEPOT EXPERTISE

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MEMU MANUFACTURING FACILITY, - KANPUR

Project Management Consultancy for setting up of MEMU Shed at Kanpur, Uttar Pradesh (India)

- Reviewed the Detailed Project Reports, including construction drawings and the contract
- Checked designs and drawings for functionality, general layout, constructability, and construction impacts, as well as maintainability and aesthetics.
- Reviewed proposals for S&T disconnections, block working, and non-interlock working
- Prepared and issued modified drawings for variations
- Coordinating planned activities on running lines and power blocks
- Inspected contractor's plant, facilities, and safety measures
- Prepared a Quality Assurance Manual for the project
- Inspected work quality, checking laboratory and field tests, and maintaining testing records
- Project Management Plan
- Training, and Ensuring public utility protection, and safe working practices related to excavation, signaling, telecommunication, and electrical cables

PROJECT STATUS:
Completed

CLIENT:
Rai Vikas Nigam Limited (RVNL)

DEPOT EXPERTISE

BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) - K-RIDE

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On Going Project

Detailed Design Consultancy (DDC) Services for 2 Maintenance Depots ðıfi Bengaluru Suburban Railway Project (BSRP) - K-Ride

- Design of Stations and Auxiliary Services
- Design of Depot and Staff Quarters.
- Design of Architectural and E&M Works.
- Design of Building Services of E&M Works.
- Design of PST and SCADA System.
- Design Calculations for:
  - The area required for servicing shed, Auxiliary buildings etc.
  - The requirement of machinery and plant, capacity of each machine and the number of each machine giving the utilization factor.
  - Electric power requirement, feeder size, voltage drop, earthing requirement, fault level, illumination designs.
  - Water supply compressed air and other services requirement such as drainage etc. for workshop, servicing shed, stabling lines.
  - Choice of a particular structure whether R.C.C. or Trusses.
  - Foundations of the structure for the workshop, servicing shed and covered stabling lines

PROJECT STATUS:
On- Going

CLIENT:
Karnataka Rail Infrastructure Development (K-RIDE)

2 MAINTENANCE DEPOTS

4 CORRIDORS COVERED

COMPREHENSIVE DDC SERVICES

FUTURE-READY RAIL INFRASTRUCTURE

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KEY CLIENTS

International

Domestic

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THANK YOU

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BALAJI RAILROAD SYSTEMS P. LIMITED

"BARSYL Towers", Plot No.3, Staff Road, Sitaram Nagar, Secunderabad – 500009, INDIA

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