

Curriculum Vitae (CV)

NAME: PRATHAMESH PREMNATH RAUT
ROLLING STOCK - DEPOT EXPERT & PROJECT COORDINATOR
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OBJECTIVE

Mechanical / Electrical / Electronic Commissioning Engineer possessing multiple certifications with both hands-on and supervision of field staff, experience in commissioning, troubleshooting, maintaining, testing, and modifying Rolling Stock Depot Equipment, including Japan technology equipment. A focused leader with demonstrated strength motivating teams to achieve higher level performance excellence. Seeking a challenging and rewarding opportunity with an organization of repute which recognizes and utilizes my true potential while nurturing analytical and technical skills.

RESPONSIBILITIES

- Team Management
- Lead all aspects of team in the maintenance, servicing to meet customer requirements within the working timetable.
- Responsible in the deployment of team members in line with the shift throughout requirements.
- Co-ordinate line of route ensuring that equipment, tooling and work environment is left in a safe place.
- Assist Maintenance Manager as required to ensure business needs are maintained.
- Manage project timelines and deliverables for Metro & Mono projects, ensuring all milestones are met.
- Conduct regular performance reviews and training sessions to enhance team capabilities in handling depot equipment systems.

SUMMARY

- Rolling Stock Depot 9 year of work experience
- Management of Testing and Commissioning on Depot Equipment's of Japan Technology.
- Management of Testing and Commissioning on Rolling Stock Train of BEML Technology.
- Management of Testing and Commissioning on Depot Equipment's of Malayasia Technology
- Management of Testing and Commissioning on Mono Rail Train of Medha & Scomi Technology
- Inspection, Testing and Commissioning of New Mono Train of Medha.
- Elaborate the testing equipment materials and instruments list as per T&C Schedule
- Lead the handover of Depot. Equipment's installations to System T&C for dynamic testing
- Determine the organization of the Depot. Testing team, subcontractors and ensure its management
- Follow-up the Technical Specification Plan determined for testing activities to control and master the Coordination of the teams
- Involving particular or technical specifications for depot equipment in tendering, especially where Japanese technology systems are used, it's crucial to focus on several key areas to ensure compatibility, efficiency, and compliance with international and local standards.
- Procurement of Spares including DLP, Consumable, Mandatory & Recommended by OEM from tendering and Government site portal

- Experience in Metro Train Wheels Life Prediction
- Experience in Depot Equipment's where Japan Technology is been used (Auto Wash Plant, Bogie Test Bench, Under Floor Wheel Lathe, Diesel Shunting Locomotive, Cranes, Mobile Lifting Jack, Rail Road Vehicle, etc.)
- Well acquainted with Software and Wheels Parameters
- Proficient in Wheel wear calculation, Crack growth calculation
- Proficient in Rescue the Train during emergency, Mock drills & Operation of Rescue Railroad Vehicle
- Worked on Depot Equipment's where prepare the Preventive Maintenance Plan for the coming next week.
- Involved in Testing and Commission of Auto Wash Plant in Mumbai Line -1, Line -2A & Line -7 Project.
- Testing and Commissioning of Under Floor Wheel Lathe in Line -2A and Line-7 project.
- Testing and Commissioning of Japan technology wheel measurement device.
- Experience in UFWL (Under Floor Wheel Lathe) Japan technology used for profiling the wheels of train with parameters.
- Worked on Wheel Measuring Software like WPR (Wheel Profile Recorder) Calipari & MRX Technology
- Worked on Corrective Maintenance of Catenary Maintenance Vehicle & Diesel Shunting Locomotive
- Participating in regular and weekly project status meeting with team members
- Experience leading / engaging people and creating an environment of trust and collaboration amongst different operational teams / crews / shifts / suppliers / OEMs
- Possess good communication skill, helps in procurement of the material
- Manage sub-suppliers, confirming and agreeing technical specifications and requirements and managing the interface requirements between the factory and sub-suppliers, evaluating technical and commercial risk
- Self-motivated individual and a good team player with good analytical skills

PROFESSIONAL EXPERIENCE

- **Maha Mumbai Metro Operation Corporation Limited (MMMOCL),**
 - **Mumbai (Line 2A & Line-7 Project)** from January 2021 till Present.
 - **Mumbai (Mono Rail Project)** Additional charge from January 2024 till Present
- **Mumbai Metro One Pvt. Ltd (MMOPL),**
 - **Mumbai (Line-1 Project)** from August 2015 till January 2021

EDUCATIONAL CREDENTIALS

- **Bachelor Degree**
 - University: Mumbai University
 - Course: Mechanical Engineering
 - Period: August 2011 – August 2015
 - College: Alamuri Ratnamala Institute of Engineering and Technology (ARMIET)
- **Diploma Degree**
 - University: Maharashtra State Board of Technical Education
 - Course: Mechanical Engineering
 - Period: July 2008 – July 2011
 - College: SNJB's Late Sau. K. B. Jain College of Engineering (Nashik)

CORE COMPETENCIES

- Procurement of Machinery, Plant and equipment
- Planning and Monitoring Operations
- Performance involving multi-disciplinary functions
- Inventory Management for maintenance spares
- Engineering & Maintenance
- Client & Vendor Relationship
- Dynamic Presentation Quality & Safety
- Project Management
- License for Road Rail Vehicle (RRV) & Rail Re-railing Equipment's
- Maximo Assets Management
- Technical Competencies of Mono Rail Train & Metro Train
- Project & Operation Management.

PROFESSIONAL EXPERIENCE

1. Maha Mumbai Metro Operation Corporation Limited (MMMOCL of Maharashtra Government)

Title: Rolling Stock

Role: Section Engineer

Additional Charge: Head of Section Depot Equipment of Mono Rail

Section: Depot. Equipment

Team Size: 130+

Duration: January 2021 to Present

Description: Handover & Takeover of Depot. Equipment's (102 Nos) consultation with OEM and DMRC as per contract clause. Involved in Planning, Installation, Testing & Commissioning with training of Depot. equipment's from OEM. Overall Project coordinator of Mumbai Mono Rail

Responsibilities:

- Management of Testing and Commissioning on Depot Equipment's. of Catenary Maintenance Vehicle, Diesel Shunter, Bogie Turn Table, EOT Cranes & Etc.
- Elaborate the testing equipment materials and instruments list as per T&C Schedule
- Maximo Assets Management
- Lead the handover of Depot. Equipment's installations to System T&C for dynamic testing
- Determine the organization of the Depot. Testing team, subcontractors and ensure its management
- Follow-up the Technical Specification Plan determined for testing activities to control and master the coordination of the teams
- Minutes of Meetings with Subcontractor
- Coordinated the transportation and repair of bogies, reducing repair timelines from 2 months to 1 month by leveraging depot infrastructure and night operations.

- Spearheaded procurement processes for components such as Hutchinson run-flat tires for bogie systems.
- Managed the development of Request for Proposals (RFPs) for specialized projects, including the construction of an aluminum apron structure for monorail underframes
- Overseeing the maintenance, repair, and troubleshooting of monorail rolling stock and depot equipment
- Conducting detailed diagnostics to identify and resolve mechanical and electrical faults
- Complete the scheduled tasks and preventive maintenance, in which the all complaints and faults Involved in thorough system
- Worked on Depot Equipment's where prepare the Preventive Maintenance Plan for the coming next week.
- Proficient in Wheel wear calculation, Crack growth calculation by using various device of Japan system
- Analysis the Wheels for various Defects
- Maintenance Planning & Execution.
- Performance Monitoring & Reliability Improvements.
- Inventory & Spares Management.
- Documentation & Compliance
- Budgeting & Cost Control

Trainings and Workshop Attended in Japan:

Title of training	Auxiliary Power Supply Unit & Battery Charger
Date of training	09/11/2022 - 11/11/2022
Duration of Training	3 Days
Venue of training	Hitachi, Mito (Japan)

2. Mumbai Metro One Pvt. Ltd (MMOPL – Reliance Infra) (Line-1 Project)

Title: Rolling Stock

Role: Assistant Manager

Team Size: 50+

Duration: July 2015 to January 2021

Description: Seasoned, goal-focused assistant manager offering more than 5 years of mechanical systems and engineering experience and a proven track record for growing revenue and improving bottom line. In depth technical expertise in maintenance and troubleshooting of depot equipment's

Responsibilities:

- Complete the scheduled tasks and preventive maintenance, in which the all complaints and faults Involved in thorough system
- Worked on Depot Equipment's where prepare the Preventive Maintenance Plan for the coming next week.
- Test the bogies on Bogie Test Machine with various parameters
- Take the report from BTB and take necessary action if found the value below the parameters range.
- Involved in Testing and Commission of Auto Wash Plant in MMOPL (Mumbai Metro One Pvt. Ltd)
- Proficient in **Wheel wear calculation, Crack growth calculation by using various device**
- Analysis the Wheels for various Defects

RESEARCH EXPERIENCE

1. Project Research

Title: RCF (Rolling Contact Fatigue) Role: Assistant Manager

Duration: May 2016 to January 2021

Description: Rolling Contact Fatigue is a damage phenomenon that appears on and in rails and railway wheels due to overstressing of the materials. Fatigue of railway wheels is an extremely important problem and become an important issue with respect to failure. Rolling Contact Fatigue: the crack initiation and the crack propagation influenced by a number of factors like environmental conditions, rail and wheel profiles, track geometry, vehicle characteristics.

Research: https://www.researchgate.net/profile/Prathamesh_Raut3/research

2. Project Research

Title: Detecting wheel tread damage using magnetic flux technique (MRX) Role: Assistant Manager

Duration: May 2017 to January 2021

Description: Surface damage is difficult to classify visually, leading to highly subjective results, while the depth of defects cannot be determined through visual inspections. Wheel turning on a lathe removes this damage, but there is a crucial balance between removing enough material to eliminate the defects whilst taking the minimum cut to preserve rim thickness and prolong wheel life. Wheel lathe operators make multiple small cuts to prevent excessive material removal, but this increases the time that the vehicle is on the wheel lathe. **MRX Technologies** provides a range of rail vehicle monitoring solutions, which enhance the efficiency and effectiveness of vehicle maintenance.

PERSONAL DETAILS:

Name Prathamesh Premnath Raut

DOB 11-June-1990

Languages English, Hindi, Marathi, Gujarati

Foreign Languages Japanese N5 Level Exam appeared

Passport No N1415183 / IO186686

Nationality INDIAN

Address B-306, Akruli Jai Durga Soc., Lokandwala Township,
Kandivali East. Mumbai-400101

DECLARATION:

I hereby declare that all the information supplied above is true to the best of my knowledge and belief.

Prathamesh Raut