**CURRICULUMVITAE**

**Manas Ranjan Panda**. – MIET(UK), PRINCE 2 : +91-8147085700

**Sr. Rolling Stock Expert (K2)**  : [pmanas05@gmail.com](mailto:pmanas05@gmail.com)

Consultant to Lucknow Metro (India) ***Skype Id: +918147085700***

***Project Manager* / Rolling Stock Consultant**

A versatile professional offering over 1.6 decade’s end-to-end expertise in managing Metro Railway Projects in India. An ardent analyst with experience in strengthening companies to lead in highly competitive situations

**Total Work Experience:** 16 Years

**Industry Preference:** Metro Railways/Rolling Stock, Train

**Functional Area:** Project Management, Operation, Maintenance, Manufacturing, Engineering,

Repair

**Current Work Level:** Sr. Managerial (K2)

**Preferred Location:** India / Overseas

**PROFILE SNAPSHOT**

* A dynamic leader with expertise in leading team of planning, design review & procurement of modern rolling stock and depot equipment & facilities in various depots for operations & maintenance of Rolling Stock & Depot Machines.
* Expertise in creating blueprint of maintenance strategy of trains, depot equipment and maintenance vehicles supplied by various suppliers/vendors
* Proficient in handling the entire gamut of tasks right from planning, monitoring and controlling phases of project lifecycle to overall inter-discipline coordination & administration
* Excellent understanding of relevant international technical standards, quality & environmental requirements, safety certification from international body
* Carrying out innovative approach and initiatives to develop cost effective & efficient solutions to improve productivity, resource optimisation and reducing Capex/Opex.
* Gained International exposure and engineering practice by working with key Exparts from various sub-continent across various Metro Projects.
* Profound technical and managerial skills, problem analysis and problem-solving skills, trouble shooting, Fault diagnostic.
* A strategist cum implementer with skills in problem solving coupled with confident decision making for enabling effective solutions leading to completion of task in time with low operational costs
* A competent professional with qualitative experience in:-***Project Management*** -Strategic Planning -Procurement. ***Rolling Stock & Depot Management*** -Operations & Maintenance -People Management, Testing & Commissioning -Business Development -Liaison & Coordination
* A project planner & visionary professional with proven skills in managing metro/rail projects, leading operations, working in multi-cultural environment and delivering sustained growth in dynamic conditions
* Dynamic and results-oriented professional with diverse experience in performing Condition based, preventative, predictive and routine maintenance of modern Rolling Stock, Reliability apportionment & reduced Life Cycle Cost (LCC)
* Experience in managing maintenance operations for reducing breakdown / downtime & enhancing operational effectiveness, reliability and availability improvement.

***CAREER HIGHLIGHTS***

* Successfully led the team of stakeholders, entailing consultants, system vendors of rolling stock, signaling, communications, power supply, Track, overhead traction supply, civil, etc. for testing, commissioning and handover of assets, civil infrastructure and systems.
* Proven expertise in delivering the assignments successfully, leading and managing a team (> 300 staff) in Public & Private sector as well as in multicultural international environment
* Headed the teams for interfacing with other disciplines, integration with other systems, collaboration with various stakeholders and statutory authorities for successful planning, execution & delivery in Green Field Prestigious Metro Rail Projects in Delhi, Bangalore, Kochi & Lucknow.
* Implementation of IT based MMIS (Maintenance management & information system) and Asset management system (AMS) using SAP and Maximo
* Demonstrated excellence in managing the complete range of activities by providing right of way from conceptualization to installation, testing, commissioning, Operation, maintenance & troubleshooting of Modern Rolling Stock and Workshop Equipment.
* proven ability to enhance operational effectiveness and meet the operational goals within the cost, time & the quality parameters.

**AREAS OF EXPERTISE**

Supervising the project implementation related matters of the organisation; including:

* Consultancy, planning, scheduling, monitoring & controlling of preliminary & final project
* Tendering, contract administration, supervision of construction and commissioning, project monitoring, interface management & Integration, quality assurance & safety, cost control,
* Procurement processes, specification, budgeting, bid evaluation & contract negotiations
* Competency & leadership building, quality & energy management study, risk assessment/ mitigation, disaster recovery, business continuity plans, formulating verification, testing and acceptance criteria in Large Metro Projects
* Developing project baselines; monitoring and controlling projects with respect to cost, resource deployment, time over-runs and quality compliance to ensure satisfactory execution of projects
* Developing & review of Training Document -training manuals, O&M manuals, SOPs, crisis/contingency/emergency plans, procedures for normal, degraded & emergency mode of operation
* Anchoring commissioning & project activities to ensure completion of the same within the time & cost parameters and effective resource utilization to maximize output
* Heading the team for onsite testing & commissioning, vital tests-Stability, Ride Index, Propulsion/Traction System, EMC/EMI, Noise & Vibration, etc.
* Responsible for interface and integration of Rolling stock & Depot equipment with variety of Signalling, Communication, Third Rail & Overhead 25kV Supply Systems

***EMPLOYMENT DETAIL & WORK* EXPERIENCE**

**Project Title:** Lucknow Metro Rail Project (India)

**Designation:** Sr. Rolling Stock Consultant

(Consortium of AYESA, GEO DATA, ARVEE & KOREAN RAIL)

**Period:** 18th Sep.2017 to continue

***Key Result Areas***:

Support client in planning, design review, procurement, installation & testing of various systems & facilities required for successful opening of Metro rail project within stipulated time and budget

Leading & managing Rolling Stock team for design review, FAT, installation, testing and commissioning.

Safety & Quality audit of works, collaborating with the statutory authorities and various stakeholders, and Government Agencies for necessary approvals.

***Achievements***

* Testing & Commissioning of 20 x 4 =40 cars completed in estimated time
* Zero accident
* Live CCTV streaming to OCC and remote downloading of real time train data. integrated RDT with CMMS- Maximo and streamlined Asset Management with work flow, Optimisation of maintenance activity done and achieved man hour reduction and maintenance cost by 29 %.
* 100000 km MDBF, 95 % availability and 98 % punctuality achieved.
* AchievedSlashed payroll/benefits administration costs 30% by negotiating pricing and fees with contractor for unqualified withdrawal, non-compliances, EOT while ensuring the continuation and enhancements of services.

**Project Title:** Mumbai Metro Rail Project (India)

**Designation:** AGM/Rolling Stock & Depot

**Period:** 1st Apr.2016 to 15th Sep. 2017

***Key Result Areas***:

* Planning, design review & procurement of modern rolling stock and depot equipment & facilities in depots for operations & maintenance of trains
* preparation of technical specification, tendering, evaluation of bids, preparation of depot layout, equipment and facilities in coordination with the design of modern rolling stock
* Coordination with General Consultant team and various stakeholders, entailing Independent Engineer (IE), Independent Safety Assessor for interface & integration

**Project Title:** Kochi Metro Rail Project (India)

**Designation:** Manager/Rolling Stock & Depot

**Period:** 22nd Nov.2013 to 31st Mar. 2016

***Key Result Areas***:

* Planning, design review & procurement of modern rolling stock and depot equipment & facilities in depots for operations & maintenance of trains
* preparation of technical specification, tendering, evaluation of bids, preparation of depot layout, equipment and facilities in coordination with the design of modern rolling stock
* Installation, testing & commissioning of various systems & facilities required for successful opening of Metro rail project within stipulated time and budget
* Design review, FAT, installation, testing and commissioning. Of Rolling Stock.
* Safety & Quality audit of works, collaborating with the statutory authorities and various stakeholders, and Government Agencies for necessary approvals.
* Developing procedures & work instructions and staff recruitment, mobilization & training
* Planning for spares, tools, consumables, logistics and other facilities required during normal, degraded and emergency situations in coordination with other departments for integrated management of depots
* Liaised with the system supplier for taking over operations & maintenance of depots & rolling stock.

**Project Title:** Bangalore Metro Rail Project (India)

**Designation:** Asst. Manager/Rolling Stock & Depot

**Period:** 3rd Jun.2011 to 21st Nov. 2013

***Key Result Areas***:

Maintenance facilities development in two depots-Baiyapanahalli & Peenya

Installation, testing and commissioning of Rolling Stock & Depot equipment & facilities, e.g. wheel lathe, Auto wash plant, Synchronise mobile & Pit jacks, rescue & shunting vehicle, Bogie Turn Table and Bogie Test Bench etc. at site

Preparation of operations & maintenance strategy for inhouse setup for Rolling Stock Maintenance/ Repair - Preventive and corrective maintenance, scheduled and unscheduled maintenance, Minor and major train overhaul, Performance & Reliability improvement by reducing downtime and cost with enhancing operational effectiveness of equipment.

***Achievements***

* Headed a team of 100 staff from own organization and >100 contractor staff of including Sr. Section Engineers, Junior Engineers & Technicians for installation, testing & commissioning, of Roling Stock and Depot machinery
* Supervised, coordinated and managed testing protocol. Testing & Commissioning of 25 x 3 =75 cars completed in estimated time.
* Prepared & implemented various procedures for systematic, safe & efficient depot working. quality & safety procedures and achieved Zero accident during pre-commissioning & post-commissioning of Rolling Stock & Depot
* Optimisation of maintenance activity and achieved man hour reduction by 18 %.
* Streamlined Inventory/Asset management, implemented condition-based monitoring system and reduced maintenance cost by 22 % for the financial year 2012-13.
* 100000 km MDBF, 95 % availability and 99 % punctuality achieved.
* Run Energy awareness campaign across the departments and achieved cost saving by 24 % for the financial year 2012-13.
* Received MD award for dedicated service for the year 2012

**Project Title:** Delhi Metro Rail Project (India)

**Designation:** Sr. Engineer – O&M

**Period:** 12th Sep. 2005 to 9th May.2011

***Key Result Areas***:

Preparation of operations & maintenance strategy for inhouse setup for Rolling Stock Maintenance/ Repair - Preventive and corrective maintenance, scheduled and unscheduled maintenance, Minor and major train overhaul, Performance & Reliability improvement by reducing downtime and cost with enhancing operational effectiveness of equipment.

***Achievements***

* Prepared and implemented strategies to ensure the Operation Performance Standard (OPS) & Key Performance Indicator (KPI)
* Achieved 95 % availability and 99 % punctuality achieved.
* MD award at Bangalore Metro Rail

**Project Title:** Central Industrial Security Force (India)

**Designation:** Maintenance Engineer – Defence Engineering Service

**Period:** 19th Apr. 2003 to 11th Sep.2005

Central Industrial Security Force- CISF is a [Central Armed Police Force](https://en.wikipedia.org/wiki/Central_Armed_Police_Force) in India dedicated for security of sensitive governmental buildings, Airport, PSU Industry, Ports, Mines and Delhi Metro.

I had been Deployed for the following Govt. of India’s building security at Delhi.

**Nirvachan Sadan** - Chief Election Commission office,

**Sanchar Bhawan** – Headquarter of BSNL and office of telecom Minister

**Vigyan Bhawan** – Premier [convention centre](https://en.wikipedia.org/wiki/Convention_centre) of [Government of India](https://en.wikipedia.org/wiki/Government_of_India) for conferences of

national and international stature, seminars and award ceremonies attended by distinguished world leaders and dignitaries

***Key Result Areas***:

* Preventive and corrective maintenance, routine scheduled and unscheduled maintenance work of security equipment. such as Hand-held portable metal detector, Door type Metal detector, Scanner Machine, Video surveillance, motion detection and CCTV system.
* Installation, Testing & Commissioning of security Scanner Machine, Video surveillance, motion detection and CCTV system.
* Training on emergency response and crisis management, physical security, Information protection, incident management and investigation, access card guidelines, external fraud, employee theft and embezzlement, patrolling and general security, Bomb threat and hoax call, firefighting and disaster management. Alarm response protocol,

***Achievements***

Availability of security equipment 98 %

Resolved the continuous hard disk theft case from office and a hoax call threat.

**PROFESSIONAL TRAINING**

* + **Rolling Stock** – Hyundai Rotem, BEML, Bombardier Transportation, Alstom
  + **Signalling** – Alstom, Siemens and Bombardier.( DTG & CBTC)
  + **Telecommunication** - Motorola
  + **Automatic Fare Collection** – Thales and Samsung
  + **Customer Care** – NIS SPARTA
  + **First Aid Training Programme** – St John’s Ambulance Brigade, New Delhi.
  + **Lift Rescue, Fire Fighting, Disaster Preparedness** - DMRC.
  + **Management training** - DMRC.
  + **Fire Fighting Training** – Delhi Fire Service & Central Industrial Security Force
  + **Rerailing of Train** – LUCAS
  + **Industrial Safety Training** - NEBOSH

**Computer skill**

Basic of computer MS-office (word, Excel, PowerPoint, ), Internet application. Computer up-gradation, installation of hardware and software. Auto CAD -Basic.

**EDUCATION & PROFESSIONAL MEMBERSHIP**

* Perusing ***MBA in “Project Management”*** in distance mode.
* **B.Tech**  **in Electrical Eng.** from The Institute of Engineers, India (Kolkatta) - **2009**
* **Diploma in Electrical Eng.** From UCP Engineering School –Berhampur, Odisha **- 2002**
* **Member Institution of Engineering and Technology (MIET), UK**
* **Associate Member of Institute of Engineers, India**
* **Project Management -Prince 2 Certified**

**PERSONAL DETAILS**

Date of Birth: 18th Jun, 1977

Gender: Male

Marital Status: Married

Nationality: Indian

Language Known: English, Hindi