



Kumar Pothu, (FRM-IIMV), M.Tech-JNTUK
Associate Manager | Ceinsys Tech Limited | RAMS CELL NHAI HQ-New Delhi.

Experienced in:

Road Asset Management | Lenders Engineering | Technical Due diligence | Project Management & Control | Feasibility Studies

As a Techno-economic Engineering Consultant boasting over 8.9 years of comprehensive professional experience, I have demonstrated expertise ranging from on-site execution to project coordination, technical teaching, techno-economic advisory services, and Road Asset Management Consulting Services. My envisioned goal is to secure a significant role in Portfolio Management as a Techno-economic expert within a distinguished organization that fosters reciprocal advancement.

QUALIFICATIONS:

- ❖ **Executive Programme in “Financial Risk Management” | (Pursuing)**
Indian Institute of Management Vishakhapatnam - IIMV
- ❖ **Master of Technology in “Structural Engineering” | 74.93% | Nov’2017**
JNTUK University - Aditya College of Engineering & Technology
- ❖ **Bachelor of Technology in “Civil Engineering” | 76.44% | May’2013**
JNTUK University - Aditya Engineering College.
- ❖ **Intermediate Education in “Math-Physic-Chemistry” | 88.20% | Apr’2009**
Board of Intermediate Education, Andhra Pradesh – Anjana Jr. College.
- ❖ **Secondary School Certificate | 82.83% | May’2007**
Board of Secondary Education, Andhra Pradesh – ZP High School

EXPERIENCE:

- 2023-24**
(~1.2 Yrs)
Current Position
 - ❖ **Associate Manager**
RAMS Cell-NHAI HQ, Ceinsys Tech Ltd, New Delhi.
 - Road Asset Management System – MoRTH (i.e NHAI, NHIDCL, BRO & RW)
 - General Management & Coordination – Indian Road Network
 - Technical Support to Head Quarter level Officers of NHAI
- 2019-23**
(~3.9 Yrs)
 - ❖ **Senior Engineer**
Cube Highways Technologies Pvt Ltd - Hyderabad (formerly V R Techniche Consultants Pvt Ltd).
 - Lenders Independent Engineering and Advisory Services for Bankers, InVIT & Private Equity Investors
 - Technical Due diligence and Advisory Services for InVIT, Private Investors
 - Project Management Consultancy Services to the Private Equity Investor
 - Feasibility Studies.
- 2017-19**
(~1.4 Yrs)
 - ❖ **Assistant Professor**
GIITS Engineering College-Vishakhapatnam.
 - Delivering Strong Technical Lectures, Invigilation and Spot Evaluations.
- 2014-15**
(~1.6 Yrs)
 - ❖ **Civil Engineer**
Megha Engineering & Infrastructures Ltd-Hyderabad.
 - Project Monitoring & Coordination
 - Quantity Surveying & Billing.
- 2013-14**
(~1.0 Yrs)
 - ❖ **Graduate Engineer Trainee**
Megha Engineering & Infrastructures Ltd-Hyderabad.
 - Real Time Execution of Structures like Jack Wels, Break Pressure Tanks, Minor Bridges and CC Approach Roads
 - Real Time Execution of Laying of Gravity & Raising Main pipelines, i.e MS, PSC, DI and HDPE.

Multilingual skills: Write Read Speak

Telugu	=====
English	=====
Hindi	=====
Kannada	=====
Tamil	=====

Highlighted Skills:

- Road Asset Register
- Site Inventory & Condition Survey
- Assessing Project Risks
- Project Monitoring
- Correspondence Review
- Estimations & Cost forecasting
- Vetting of design & drawings of Structures
- Technical Compliance

Soft Skills:

- Dashboards presentation
- Document Controlling
- Data Analysis
- Technical Report Drafting
- Client Presentations

Familiar Tools:

- Microsoft Office Suite
- R-Studio
- Power BI
- STAAD Pro
- SAP 2000 V14
- AutoCAD 2-D

Personal Info:

Address:
1018-UG, Akshardham Apartments,
Pocket-3, Dwarka-19, New Delhi-
110075 - India.

SUMMARY OF EXPERIENCE:

Road Asset Management System:

- Data Analysis.
- Road Asset Register
- Scrutiny on MBIU Reports, NSV Reports.
- Condition Assessment of Roads in whole Network
- Integration of the Bridge data, Road Information
- Identifying the Flaws in Road Assets.
- Technical Support to the NHAI HQ Officials

Technical Due diligence Services:

- Site Inventory & Condition Survey by Visual Inspection and Equipment based Inspection (MBIU, DT, NDT) as well.
- Tentative Cost estimates for Routine Maintenance, Major Maintenance of bridges

Feasibility Studies:

- Project queries
- Design of Integrated bridge structures (1-Cell, 2-Cell).
- Tentative estimates

Lenders Advisory Services:

Under construction Projects

- Verification of Project documents and Pre-construction activities
- Identification and Assessment of Project's Key Risks.
- Vetting of Project drawings, designs
- Vetting the Physical and Financial Progress, S-Curve.
- Overview on QA/QC.
- Verifying the Project deliverables & Project closures

O&M Projects

- Site Inspections to verify the particulars and resource availability involved in TMS, IMS.
- Identified flaws against smooth operations.
- Inspecting the project furniture and forecasts the repair & Rehabilitation requirements.

Project Management Consultancy Services:

- Project Monitoring with robust presentations i.e dashboard, MPR.
- Verified the project deliverables from inception to completion.
- Risk Assessment.
- Overall supervision on QA/QC.
- Financial Integrity in HAM project
- Compliance with Technical specifications
- Verification of Regulatory requirements
- Project Closures and handover documents

ROLES & RESPONSIBILITIES CARRIED:

❖ Associate Manager | Ceinsys Tech Ltd, RAMS Cell-NHAI HQ-New Delhi | 2023-24 (Current)

➤ **Road Asset Management System (RAMS) Project - Indian Road Network (NHAI, NHIDCL, BRO & RW):**

Role: Road Asset Management Consultant by Ceinsys Tech Ltd.

Designation: Associate Manager cum Bridge Engineer

Assignment: "Road Asset Management System; founded by MoRTH & Operating by NHAI"

Client: "NHAI Head Quarters, New Delhi & MoRTH"

- The Cycle wise surveyed NSV & MBIU data was acquired from all PIU PIU/PMU of NHAI, NHIDCL, BRO, Road Wing with robust intra-Authority communications.
- A comprehensive technical analysis was conducted on the collected data to identify deficiencies and subsequently, the vetted Road Asset data was systematically uploaded to the RAMS portal.
- By Maintaining high quality Road Asset Register, the Gap Analysis was performed on the existing RAMS practices to strategize and facilitate its enhancement.
- Verified the submitted conditional assessments reports of bridges and pavement surfaces, ensuring accurate data was uploaded into the Road Asset Management System (RAMS) in a cycle-wise manner, enhancing the precision of infrastructure maintenance planning.
- Provided technical assistance to the client in project decision-making at both the project and network levels by developing deterioration models for specific projects, which helped in identifying critical issues.
- Provided Technical Support to HQ level Officers during the preparation of new RFPs and the review of bids.

➤ **Lenders Independent Engineering (LIE) Advisory Services:**

Role: Lenders Independent Engineer.

Designation: Senior Engineer-Technical Consultant

Assignment: "LIE Services to IIFCL for Mukarba Chowk-Panipat Section of NH-44 from Haryana",
"LIE Services to NIIF for two projects of Sethiyathopu-Cholapuram and Cholapuram-Thanjavur from Tamilnadu",
"LIE Services to Canara Bank Limited for Angul-Sukinda Railway Link Project from Odissa".

Client: "IIFCL", "NIIF" and "Canara Bank Limited"

- With robust Techno-economical knowledge, carried the physical site inventories of Projects to Identify, Assess and estimate the Project Risks, with verification of Physical Progress, Financial Progress of the projects.
- Verification of Pre-construction activities, Permits & Approvals required and Project's Resource Capabilities.
- Assessing the impacts on Project by Identifying the Key Risks involved in advance.
- Responsible for Preparation of BOQs, Comparative statements of Achieved vs Scheduled Physical Progress.
- Associated in Estimating the Construction cost required to achieve the targeted Project Milestone based on Suitable Schedule of rates and Smooth presentations to the lead lender during client meetings.

➤ **Advisory Services to the Investment Manager in InvIT:**

Role: Technical Consultant.

Designation: Senior Engineer-Technical Consultant

Assignment: "Inspection of Highway Road Assets and Operations of +05 InvIT projects"

Client: "NIIF Infrastructure Financing Ltd, IndusInd Bank, CUBE InvIT Projects"

- Carried the Site Inventory on particulars and resource availability involved in TMS, IMS
- Suggested strategies to mitigate the identified flaws against smooth operations.
- Inspecting the documents & records regarding TMS and IMS.
- Inspecting the project furniture and forecasts the repair & Rehabilitation requirements.

➤ **Technical due-diligence services for Asset Acquisition Organizations, InvIT**

Role: Senior Bridge Engineer.

Designation: Senior Engineer-Technical Consultant

Assignment: "Technical due-diligence of Structures, comprising of +30 Projects from TOT- Bundles, and other Investor advisory"

Client: "CUBE Highways & Infrastructure Pte.Ltd", "Peak Infrastructure Management Services Pvt. Ltd"

- By reviewing the Project documents, carried Site inventory to validates the structures with schedules of CA.
- By assessing the Condition of structures, suggested the rectifications required according to IRC, MoRTH.
- Provided technical inputs during CAPEX, OPEX calculations, like Forecasted the true market costs of structures, Routine Maintenance and Major Maintenance for the remaining life of the Concession.
- Assessing the impacts on Project by Identifying the Key Risks involved in advance.
- Presentation and submission of Technical due-diligence Reports to the Client.

➤ **PMC - Project Management Consultancy Services for Private Equity Investor**

Role: Project Management Consultant.

Designation: Senior Engineer-Technical Consultant

Assignment: "The HAM Project- Four lanning of Trichy to Kallagam section of NH-227 in Tamilnadu"

Client: "CUBE Highways and Infrastructure Pte.Ltd"

- Project Monitoring by robust Dashboards, MPRs, Detailed Management Plans on the Project status.
- Pre-identified the Key Risks in Project by reviewing the correspondences, Project documents and LAQ status.
- Recurrently verified the Project Milestones, Physical Progress and Change of scopes.
- Time delay Analysis was carried by verifying the S-Curve, considering the EOTs, Concession Agreement.
- Verified the grants received from the Authority (i.e Payment Milestones, Change of Scope payments, Annuity Payments with balance cost on completed works and O&M Costs) and assessed the impact on Project Finance.
- Qualitative review of GFC drawings of the project, based on Specifications of CA, IRC and MoRTH.
- Overall supervision on QA/QC by verifying the Mix designs, QAP, methodologies, frequent Lab tests Reports, MTC and Calibration Reports of Apparatus through Build-Aid Portal.
- Estimating the tangible effects of raised NCRs and scrutinizing its submitted compliance redressals.
- Verified the Project deliverables, Punch List items during submissions for PCC.

- Assessed the liabilities on Project during handing over to the Client (Private Equity Investor)
- Forecasted the Cost for Balance Works, Defect liability, Deviations, Rectifications for Non-Compliance.
- Verified the As-built drawings and prepared the Project Closure forms during submissions to the Client.

➤ **Feasibility Studies**

Role: *Senior Bridge Engineer*
 Designation: *Senior Engineer-Technical Consultant*
 Assignment: *"Four Laning of Kandi-Ramsanpalle in the state of Telangana"*
 Client: *"B2B project from Druv Consultancy for the Authority NHAI"*

- Review of Project Documents and Correspondences to prepare quarries.
- Preparation of Tentative Estimates and Providing Key Observations on Feasibility.
- Designed the tentative proposed designs for integral structures i.e VUIP, Minor Bridges, Box Culverts.

❖ Assistant Professor | GIITS Engineering College-Vishakhapatnam | 2017-19

➤ **Technical Teaching for Undergraduate Civil Engineering Students:**

Role: *Technical Teaching*
 Designation: *Assistant Professor*
 Assignment: *"Technical Teaching for B.Tech Students"*
 Client: *"GIITS Engineering College-Visakhapatnam, Andhra Pradesh"*

- Delivered strong Technical Lectures.
- Conducted Invigilation and Spot Evaluation works during Semester Examinations.

❖ Civil Engineer | Megha Engineering & Infrastructure Ltd-Hyderabad | 2013-15

➤ **Engineer in Planning & Coordination:**

Role: *Planning Engineer*
 Designation: *Engineer*
 Assignment: *"Yethenehole Lift Scheme, Karnataka"*
 Client: *"Cauvery Neeravari Nigama Limited- Government of Karnataka"*

- Project Monitoring & Coordination by Tracking the Scheduled & Achieved Physical Progress of the Project
- Prepared Reconciliation statements by tracking the consumption records and prepared the Sub-Contractor Bills.

➤ **Graduate Engineer Trainee in Site Execution:**

Role: *Site Execution*
 Designation: *GET - Graduate Engineer Trainee*
 Assignment: *"Kanva Lift Irrigation Scheme-Chennapattana, Karnataka"*
 Client: *"Cauvery Neeravari Nigama Limited- Government of Karnataka"*

- Real Time site execution of structures like Minor Bridges, Culverts, CC Approach Roads, Jack Wels, BP Tanks.
- Real Time site execution of laying of Gravity & Raising Main pipelines, i.e MS, PSC, DI and HDPE.

PUBLICATION:

Title : "Modelling and analysis (gravity & seismic) of two different buildings with and without infill walls using software SAP 2000".
 Web Address : <http://ijseat.com/index.php/ijseat/article/view/955>

INTREST:

- Dedicated free time to gather advanced project management techniques and continuously updating my analytical skills to enhance my expertise in business development.

DECELERATION:

Postal Address:
 S/o Veerraju Pothu, D.No. 1-30, 1st Ward, Chitrada (V), Pithapuram (M), Kakinada (Dt), Andhra Pradesh-533450
 Contact: +91 8464011421, +91 8500507731.

I declare that every information mentioned above is best to my knowledge.

Place: New Delhi.

Date: 15-04-2024