



Samvit Trisal

BE, Civil Engineering, E-PGPM NICMAR,PUNE

JOB OBJECTIVE

A versatile, accomplished & goal-oriented professional with **over 16 years of experience in Project Management, Engineering, Designing & Detailing For Civil & Structural Work for Bridges and Power Transmission Grid**, with proven track record of delivering consistent business results through adept leadership and application of sound management practice

Preferred Industry: Construction

CONTACT

✉ samtrisal@gmail.com

☎ +91-9650030082

CORE COMPETENCIES

- *Modeling & detailing of Steel Structures (Viaduct, Arch, piers, I-Girders, Bow String Girders , Open web Girders, etc.) & concrete structures.*
- *Framing General Arrangement Drawing*
- *Preparing Engineering Drawings*
- *Preparing BOQ from Drawings.*
- *Tekla expert*
- *AutoCAD expert (2D,3D)*
- *Civil Engineering*
- *Project Management*

IT SKILLS

- Microsoft Office (Word, Excel, PowerPoint, Microsoft Project)
- Tekla structure
- AutoCAD (2D,3D)
- Revit
- Primavera
- Architectural Desktop
- 3ds Max

PROFILE SUMMARY

- Currently, working with P&R Infrastructure Ltd., and performing as Sr. Manager Design in Head sOffice, Chandigarh.
- Skilled in providing oversight & administration of **Project designs & Detailing of Structures**
- Voluntarily opted for on-site transfer to understand the dynamics of site operations & understanding the difficulties that can occur at site.
- An effective hold on structural software's such as Tekla, AutoCAD, Revit along with management software's such as Primavera & MSP.
- **An effective communicator with strong relationship management skills** with the capability to relate to people at any level of business and management; possess excellent analytical and negotiation skills.
- Prepared various drawings of superstructure fabrication drawing for steel bridges of Railway & Road contains (Bow string Girders, I-Girders, Open Web girders etc.) with Difference Span length & and having different transverse & longitudinal slope at both the end of one span from which makes it complex structure.

WORK EXPERIENCE

May'23-Present: P&R Infrastructure Ltd.

Sr. Manager- Design : May'23-Present

Location: Head Office Chandigarh

Key Result Areas

- Engineering Drawing detailing & Modification on Tekla Designing Interface & AutoCAD.
- Responsible for All in-house designing & detailing of temporary structures.
- Developing Tekla Model and fabrication drawing from Engineering Drawing Provided by Client or Structural Designer.
- Calculating Bill of Material from Engineering drawing for calculating steel requirement for fabrication.
- Providing support to Site team & Design consultant for suggestions & improvements.
- Provide Technical Support to other team members.
- Evaluating and resolving any discrepancies and problems arising during construction stage.
- Looking after technical problem during fabrication and solve them
- Involve in look ahead plan of management for company growth.

Apr'14-May-23: AFCONS Infrastructure Ltd., Jammu

Sr. Engineer- Design : Apr'14-May'23

Project: Chenab Bridge Project, Jammu

Employer: Northern Railways

Engineer: Konkan Railways Corporation Limited

Key Result Areas

- Engineering Drawing detailing & Modification on Tekla Designing Interface & AutoCAD.
- Responsible for All inhouse designing & detailing of temporary structures.
- Maintained the geometry of Worlds highest Arch Bridge for successful joining of Arch segments, Crown segment, Deck segments with zero tolerance.
- Interpreting the survey co-ordinates & verifying the same with theoretical co-ordinates and suggesting the necessary corrections if required,
- Providing support to HO Design team & Design consultant for suggestions & improvements.

ACADEMIC PROJECTS

- Detailing & Design Blast proof building.
- Concept of BIM
- Case study on **Beaver Valley Power Station**, a nuclear power plant on the Ohio River covering 1,000 acres.
- Case study on St. Lucie case unit 2, pressurised water reactor, Florida.

PERSONAL DETAILS

Date of Birth: 23rd May 1987

Languages Known: English, Hindi, kashmiri, Punjabi

Address: 1. H.No. 42, Deena Nagar Barnai-lane-2, Jammu, J&K, India
2. Flat No 125-B , Bala Ji Homes, Kurali ,Punjab.

- Modelling of viaduct span (530m), Arch (549m), Main Span Superstructure (785m), Piers, Trestles & temporary structures.
- Preparation of methodology and method statements for each activity and discussing the same with Client & execution persons.
- Provide Technical Support to other team members.
- Evaluating and resolving any discrepancies and problems arising during construction stage.
- Effective detailing which leads to saving of 485 MT of steel by efficiently utilising the available steel structure at site.
- Well versed with Planning, Scheduling & monitoring of project.
- Active Member of Knowledge Service Group (KSG) which helps in promoting training and knowledge management for effective work completion and documentation at site.

May'09-Nov'13: Shreem Electric Ltd, Jammu & Kashmir

Project Engineer: May'09-Nov'13

Project: Power Grid Development & Modification

Highlights

- Design and Development of engineering aspects for developing power grid for (Katra & Pounichak), Kashmir
- Design and Development of engineering aspects for developing power grid for Apperial Park, Bangalore
- Installation and commissioning of newly build 132/33kv Grid Station and control room building at Jammu.
- Up gradation of 7 Grid Stations at Srinagar (J&K)
- Co-ordination with the Client ,Designer ,Consultant and Government Engineering department for approval of Quality Assurance Plan, Methodology and drawings
- Responsibilities extend across, assembly on skid frames and testing, CAD design (2D/3D), component engineering in both lead and support roles.

Nov'08-Apr'09: A2Z Engineering maintaining & service ltd.

Sr. Engineer- Design : Nov'08-Apr'09

Highlights

- Expertise in Civil foundations and structural work of transmission line towers as executed more than 2000 for Leh & Kargil, Ladakh (J&K)
- Design and Development of 11 newly build 66kv grid stations along with control room at Leh & Kargil, Ladakh , (J&K)
- Civil foundations and structural work supervision in entire area for development of power grid.
- Responsibilities extend across, assembly on skid frames and testing, CAD design (2D/3D), component engineering in both lead and support roles.

2006-2008:

Part time Job During education

- Aum Cad Studio as a Revit, Auto Cad & 3ds Max Operator for making Auto Cad 2d drawings and their conversion into 3d model and rendering these models. Had the opportunity to work on some walkthrough projects also
- Innovative Systems as Cad Operator on prestigious projects like digitization of maps of Srinagar and Jammu Cities and digitization of typical Architectural & Structural Drawings for Udampur, Srinagar and Jalandhar zones of M.E.S (Military Engineering Services)

EDUCATION

- Online certification Course on Lean Construction from IIT Madras.
- E-PGPM (Executive Post Graduation Program in Management from NICMAR Pune 2019.
- B.E Civil from IIMSR Delhi University in 2012
- Diploma in Architectural Assistantship from Jammu Technical Board in 2008

EXTRACARRICULAR ACTIVITIES

- Organized events during Engineer's days at Chenab Site
- Organized and coordinated various civil events in college fest
- Participated in various sports and music activities at school level.