Er. Manoj Kumar XXXX

Mob: 98\*\*\*\*\*\*\*\*

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**Profile:**

A Civil Engineer with more than 5 yrs of vast experience in infrastructure like Metro Stations, Road and Railway tunnels, Bridges and Metro Rail viaduct structures and High rise buildings, Long span bridges, Cable stay bridges. Industrial Building design. Structure design of Fire Safety building, Workshop, Control center etc. Metro viaduct, superstructures and substructures detailed design. Experience in site supervision, construction works, accountancy, tendering and evaluation. Experience in prestressing detailed drawings. Road and rail alignment drawings and geotechnical profile. Knowledge of construction methods and construction sequences in civil structural constructions above or below the ground. Sound knowledge of engineering softwares. Well familiar with IRC, Indian Standards, British Codes and Euro Codes. Also well versed with FIDIC Conditions of Contracts.

**Technical Skills**

- Staad Pro. (structure modeling and analysis )

- AutoCAD (2007, 2009, 2010 & 2013), with sound knowledge of 2D and 3D modeling.

- AutoCAD CIVIL 3D 2013,

- MS-Office, Windows 7 & XP,

- Internet ability

**Personal Qualities**

- Ppositive attitude towards work and great ability towards result oriented output.

- Excellent Communication/inter personal skills to interact individuals at all levels.

**Key responsibilities handled**

- Experience in detailing of horizontal alignment and vertical profile drawings for metro rail in various projects above or below the ground, layout on horizontal alignment in elevated metro rail projects in India and international projects.

- To prepare geotechnical, geological and borehole profiles with longitudinal sections of alignment.

- Experience in detailed drawings of long span special bridges, balanced cantilever bridge, Cable stay bridges, Metro viaduct structures, superstructures and substructures.

- Experience in preparing Bill of Quantities for metro structures and stations.

- Experience in detailed drawings of Pier caps, Abutments, Metro stations, Staircases, Prestressing and other structural drawings.

- Experience in design of Drainage system and Drainage principle in elevated Metro viaduct structures.

- On site experience as a Site-Engineer for construction of high rise building.

- Experience in preparing Tender Design, Preliminary Design and Detailed Design structural drawings.

- To prepare volumetric drawings in AutoCAD 3d for quantity calculations.

- To prepare drawings for construction methodology with alternative methods according to different site conditions and construction sequences for precast and cast-in-situ super structure.

**Key Projects Undertaken**

1. XXXX Tunnel 2 - Twin Tubes (X Km)

Detailed design drawings with alignment layout, vertical profile detailing along the alignment, layout of utilities and cross passages along the alignment. Detailed design of Ventilation building, Fire safety building, Service station building, Maintenance Workshop building. Finalization of Tunnel geometry. Setting out horizontal and vertical curves along the alignment. Detailed drawings for typical sections, interface of tunnels with pedestrian and vehicular cross passages, lattice girders, rock bolts and other installations.

2. XXXX Metro

Underground Metro rail tunnel and underground stations.

Tender drawings, Bill of Quantity for construction of stations and tunnels, study of alignment drawing, study of most critical buildings along the alignment, study of vertical and horizontal curves on alignment. Preparation of geotechnical profile in longitudinal section with reference to the bore hole details along the alignment in tender data. Cross-sections and other construction method detailing.

Pre-Bid Services for following projects:

- XXXX: Design and Construction of Tunnels by Shield TBM, Palam and I.G.D. Airport underground Stations by Cut & Cover Method between X and Y

- XXXX: Detailed Design Services for the Bored Tunnels of the project “Design And Construction Of Twin Tunnel Between A & B.

Roles & Responsibilities

- Experience in detailing of horizontal alignment and vertical profile drawings for metro rail in various projects above or below the ground, layout on horizontal alignment in elevated metro rail projects in India and international projects.

- Experience in detailed drawings of long span special bridges, balanced cantilever bridge, Cable stay bridges, Metro viaduct structures, superstructures and substructures.

- Experience in preparing Bill of Quantities for metro structures and stations.

- Experience in detailed drawings of Pier caps, Abutments, Metro stations, Staircases, Prestressing and other structural drawings.

- Experience in design of Drainage system and Drainage principle in elevated Metro viaduct structures.

- Experience in preparing Tender Design, Preliminary Design and Detailed Design structural drawings.

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Achievements

- Met national standard with less amount of time

- Streamlined team operations.

Employers

- XXXX PVT. LTD- JUN. 20XX - TILL DATE as CIVIL ENGINEER.

Company Profile :

A private independent engineering, design-planning and consultancy company offering services in the area of road infrastructure. Working in the field of engineering of roads and motorways, bridges and constructions, tunnels, geotechnical constructions, water management constructions, utility relocations, environment, engineering geology and geodesy.

- ABC CONSULTING PVT. LTD – from FEB. 20XX to MAY 20XX as a CAD ENGINEER (CIVIL STRUCTURE)

Company Profile : International consulting engineers for rail and urban transport. Working in the field of Public and rail transport, project management, transport planning, civil engineering, structures, transport systems engineering, transport equipment engineering.

Academic Qualifications

- Diploma (CIVIL ENGINEERING): Passed (20XX Batch) with 71.43% aggregate from ABC affiliated to the University1.

- B-Tech(CIVIL ENGINEERING) with 77% aggregate from University in 20XX

- Diploma in AutoCAD (2D & 3D) (during: 20XX) from Institute1

- Primavera (Project Management Software) (pursuing) from Institute1.

Academic Projects Undertaken

Project: XXXXX

Two months project training as a Trainee Engineer at 16 storey commercial project. Supervision of raft foundation, casting of columns, beams and slab, form work and scaff foldings. Experience in handling teams at site of construction. Concrete strength tests and reinforcement calculations.

Personal details

Date of Birth: 26.08.19XX

Language Known: English & Hindi .