

CURRICULUM VITAE

Address: J-1201, Corona Optus,
Sector 37C, Gurugram,
Haryana, 122 001, **India**

Contact No: +91 8800686789

E-mail ID : sanyamtyagi1992@gmail.com

SANYAM TYAGI

Profession

Design of Railway related Underground Structure (Metro/Tunnel)

Summary of Qualification

- 4+ years' experience in design of underground metro structure including designing of temporary & permanent underground structures (Underground Structural Elements like **D-wall, Slabs, Columns, Entry-Exit, Tunnel Temporary structure, Ancillary Building, Secant Pile, CB Pile** etc.) located in **India** using software like **Stadd Pro., Wallap, Fides Retain, Fides Walls, Fides Geostability, Sofistik, Plaxis 8.2(2D) & Primavera.**
- Experienced in preparing Tender Design, Preliminary Design & Detailed Design structural drawings
- To prepare drawings for construction methodology with alternative methods according to different site condition and construction sequence for shafts & underground metro stations.
- Coordinated technical development, scheduling and problem solving for engineering design.
- Project planning using MS Project
- Computer-aided Mapping and Design using AutoCAD
- Liaison with client in India and expatriate lead design engineer
- Implementation of quality aspects confirming to **ISO 9001** procedures

Awards/Appreciations

- Appreciation certificate for excellent performance in whole year by **DIRECTOR/Omikron Kappa Indus Consultrans JV** in **July 2016.**
- **OUTSTANDING PERFORMER OF THE YEAR** for dedication, initiatives and hard work by **MANAGING DIRECTOR/Omikron Kappa Indus Consultrans JV** in **Feb 2017.**
- Appreciation certificate for excellent performance as **Volunteer** in **Volunteer Program** in Underprivileged School by **Teach for India.**

Professional Exposure

January 2017 to till date – OMIKRON KAPPA PSP INDUS CONSULTRANS JV, Design Engineer (Structure & Tunnel)

Presently working as Design Engineer in Omikron Kappa Indus Consultrans JV and responsible for executing Preliminary design, Detailed Engineering design of Underground Structures for new Underground Metro Projects.

Currently working on Mumbai Metro Line 3 project. In addition, looking after Jaipur Metro project also.

Name of the Project	MUMBAI METRO LINE 3 (COLABA-BANDRA-SEEPZ) Contract UG-05 - Design and Construction of Underground Section including four Underground Stations at Dharavi, B.K.C., Vidyanagri and Santacruz, Mid-Ventilation Shaft at Agreepada Hutment and Associated Tunnels together with Two Tunnel Sidings at B.K.C.
Client	JKIL-CRTG JV
Location	Mumbai
Responsibilities	<ul style="list-style-type: none">• Design structures to meet estimated vertical load requirements per current codes for steel and concrete structures in contract.• Conduct structural analyses using computer software such as StaddPro. Work effectively as part of team and independently• Check structural analysis and design prepared by other engineers.• Design of Temporary structure like secant pile, waler, strut etc.

February 2015 to till date – OMIKRON KAPPA INDUS CONSULTRANS JV, Design Engineer (Structure & Tunnel)

Presently working as Design Engineer in Omikron Kappa Indus Consultrans JV and responsible for executing Tender design, Preliminary design, Detailed Engineering design of Underground Structures for new Underground Metro Projects.

Project in Hand

Name of the Project	Design and Construction of Tunnel between Chandpole and Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Chouper and Badi Chouper by Cut & Cover Method on East-West Corridor of Jaipur Metro (Stage 1B) at Jaipur, Rajasthan, India.
Client	Jaipur Metro Rail Corporation-Continental Engineering Corporation
Location	Jaipur

Responsibilities	<ul style="list-style-type: none"> • Design structures to meet estimated vertical load requirements per current codes for steel and concrete structures in contract. • Conduct structural analyses using computer software such as Wallap, StaddPro, Fides Retain, Sofistik. • Work effectively as part of team and independently • Check structural analysis and design prepared by other engineers • Prepare construction plans and develop details. • Perform project quality control, field observation and shop drawing review
------------------	--

Projects Completed

Name of the Project	Design and Construction of Tunnel by Shield TBM, Tunnel by Cut & Cover, Under ground Station at Azadpur by Cut & Cover method & Ramps at Mukundpur and Shalimar Bagh for underground works on Mukund Pur-Yamuna Vihar Corridor of Delhi MRTS Projects of Phase-III.
Client	Delhi Metro Rail Corporation-Continental Engineering Corporation
Location	Delhi
Responsibilities	<ul style="list-style-type: none"> • Design structures of Wazirpur emergency/exit shaft for TBM retrieval. • Conduct structural analyses using computer software such as Wallap, StaddPro. • Design temporary structural elements of exit shaft. • Prepare construction plans and develop details. • Perform project quality control, field observation and shop drawing review
Name of the Project	Design and Construction of Tunnel by Shield TBM, Tunnel by Cut & Cover, Under ground Station at Azadpur by Cut & Cover method & Ramps at Mukundpur and Shalimar Bagh for underground works on Mukund Pur-Yamuna Vihar Corridor of Delhi MRTS Projects of Phase-III.
Client	Delhi Metro Rail Corporation-Continental Engineering Corporation
Location	Delhi
Responsibilities	<ul style="list-style-type: none"> • Design structures of Gurudwara emergency/exit shaft for TBM retrieval. • Conduct structural analyses using computer software such as Wallap, StaddPro. • Design temporary structural elements of exit shaft. • Prepare construction plans and develop details. • Check structural analysis and design prepared by other engineers • Perform project quality control, field observation and shop drawing review

June 2014 to February 2015 – OMIKRON KAPPA INDUS CONSULTRANS JV, Design Engineer (Structure & Tunnel)

Worked as GET in Omikron Kappa Indus Consultrans JV and responsible for preparing bill of quantities & reinforcement drawings of Underground Structures for new Underground Metro Projects.

Name of the Project	MUMBAI METRO LINE 3 (COLABA-BANDRA-SEEPZ) Contract UG-05 - Design and Construction of Underground Section including four Underground Stations at Dharavi, B.K.C.,Vidyanagri and Santacruz and Associated Tunnels together with Two Tunnel Sidings at B.K.C.
Client(For Pre-bid)	MMRDA-J. Kumar
Location	Mumbai
Responsibilities	<ul style="list-style-type: none">• To prepare volumetric drawings in AutoCAD for quantity calculation.• To prepare bill of quantities for metro structure & stations.• Prepare reinforcement drawings from results of software.

Personal

Date of Birth : **18-09-1992**

Nationality : **Indian**

Present Job : **Design Engineer**

Key Education Qualification:

- **B. Tech in Civil Engineering** from Radha Govind Group of Institution, Meerut(UPTU) in 2014-with **Hons. and secured 75.7%(Cumulative)**

Training Programs attended:

- Two months' summer Training on "**Design of Hyderabad Metro Structures (super structure and sub structure – Bharat Nagar Section)**" in Railway Civil Engineering Division (RCED) of **MITES Ltd. (A Public Sector Enterprise under Ministry of Railways)**.
- Training in application of software "**PRIMAVERA**" at Robomagic Technology Pvt. Ltd., New Delhi
- Training in application of software "**AUTOCAD**" at Robomagic Technology Pvt. Ltd., New Delhi
- Training in application of software "**STADD PRO**" at Robomagic Technology Pvt. Ltd., New Delhi

Language Known:

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent

(Sanyam Tyagi)