

# Transcending Your Expectations



**INDUS**  
Consultrans Pvt. Ltd.  
*Transcending your expectations*



# Consultancy + Transcend

- ★ **Metro UG Stations**
- ★ **Metro Viaducts**
- ★ **TBM Tunnels**
- ★ **NATM Tunnels**
- ★ **Geotechnical Appraisals**
- ★ **Slope Stability**
- ★ **Deep Excavation Support**
- ★ **Tunnel Safety**
- ★ **Highway Bridges**
- ★ **Extradose Bridges**
- ★ **Steel Bridges**
- ★ **Railway Bridges**
- ★ **Retaining Structures**
- ★ **Wells & Pile Foundations**
- ★ **Railway Alignment**
- ★ **Yard Layouts**
- ★ **Transaction Advisory**
- ★ **Transaction Due Diligence**
- ★ **Claims & Arbitration**
- ★ **Metro Architecture**
- ★ **Tunnel Ventilation Simulation**
- ★ **Tunnel E&M Simulation**

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# 12 Years and Counting

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Indus Consultrans Pvt. Ltd. (ICPL) incorporated in December 2010, with its blend of Design and Construction Supervision experience, strives to transcend the usual call upon consultancy to strongly encompass appropriateness of technology & construction methodology Value Engineering & Life cycle cost to the owner. Indus Consultrans has rich experience of Design, Engineering, & Project management in wide spectrum of MRTS and underground infrastructure, railways and highways.

We have to our credit many design and consultancy projects delivered to world class engineering standards. These include country's longest 9 km long road tunnel between Chennai and Nashri in J&K, India's first Underground Metro Yard in Kolkata and challenging underground Metro in Mumbai.

## Who we are

Professionals with rich multifarious experience to address the need of infrastructure industry. Indus Consultrans's vision is a premier multi-disciplinary prominent leading consultancy organization of highly efficient consulting engineers, designers, planners and managers.

## Vision

Indus consultants aspires to be the pioneering and globally respected professional engineering design and consulting firm focused on underground space development, infrastructure design and project engineering services recognised by our clients for delivering excellence with sound ethical standards.

## Values

Integrity | Striving to do the right thing.

Accountability | Taking responsibility for individual and collective actions.

Pursuit of excellence | Adopting state of the art technologies.

Collaboration | Working together to achieve individual and collective goals

Knowledge | Sharing and leveraging

Passion | Harnessing energy and enthusiasm towards a lasting impact.

# 25 Clients, 75 Projects, Numerous Designs





# Years of Experience in Major Rail, Tunnel, Bridge Projects and more

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Our Team comprises of experts with extensive and rich experience in complex tunneling and Mass Rapid Transit projects. The promoters and key persons bring in rich experience with Global prospective for providing Prebid design, Pre-construction Investigations, Detailed Designs & Project Management.

# MIS Saini

## Managing Director

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He is the principal promoter of the company he brings in more than 39 years of rich experience in pioneering projects to his credit. This included country's first monorail project, Country's longest transport tunnel and a few of the most complex deep Underground Metro constructions in India. The pioneering work involved intensive and large scale application of NATM and rock support measures in Metro and in railway tunnels to address unique, difficult and extremely challenging constructions.

A Gold medalist in the BE (Civil), Mr. Saini has spent more than two decades in the profession on Indian Railway service of Engineers (IRSE) engaged in construction of mega projects spanning all domains. Widely travelled to have firsthand experience of mega projects he has remarkable achievements to his credit. He has authored several technical papers on the long Tunnels using NATM.

# Vijyant Bhardwaj

## Director

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A 1988 Civil Engineering graduate, he brings in 37 years of experience in design of large infra projects. He has been associated, as key design member/ responsible team leader, with all major transport tunnel projects of country from Himalayas to Deccan traps, namely Rohtang (9 Km), Chenani Nashri (9 Km), Pir Panjal (11 Km), NR-Tunnel-1 (3.1 km), Mumbai-Pune Expressway Tunnels, MRVC Tunnels in Mumbai Suburban, Kiratpur-Nerchowk Tunnels etc. Pir Panjal (11 Km), He was key player for major Rail-cum-Road projects in country Bogibil (4.9 Km), Patna 4.5 Km. Munger 3.7km. and has strong multi disciplinary experience bid evaluation and design.

He has authored many papers on design aspects of tunnels with specific strength in NATM and has been instrumental in testing first UG specific software in country.

# Aishwarya Kumar

## Head - Tunnel Design

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A 2001 Post Graduate in Engineering Geology brings in 21 years of experience in tunnel projects in capacity of Geological and Geotechnical design lead/ member. He has worked on complex Metro station, Chawri Bazaar in Delhi and 11 km long Pir Panjal Tunnel besides several other projects of large magnitude e.g. Chenani Nashri Tunnel, Kiratpur - Nerchowk - Tunnels, etc. His strength lies in the specific field of Engineering Geology, Geotech Engineering, Monitoring, filed and tunnel face ( 2-D & 3-D) Mapping, Structural Analysis , Geo-physical Survey and Hydrogeology.

# B.M. Girish

## Head - Structure

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BM Girish is M. Tech in Industrial Structures with 27 years of experience. His professional experience includes Analysis and Design of RCC and Steel Structures. He is well versed with Structural Design Software- STAAD PRO V 8i, NISA (civil), ETAB, SAFE. Oyasis (serviceability condition of RC members). As Design Team Leader he has handled Metro Rail related projects in Bangalore, Kolkata, New Delhi, Mumbai, Surat and Chennai; Elevated stations, PEB Buildings for depots and viaduct substructures like, piers, well foundation, piles and pile cap. Also well versed with Industrial Buildings and RCC Multi-Storeys Buildings & Airport Terminal Buildings, structural feasibility studies of existing structures and Strengthen of Existing Structures.



# Services Spectrum

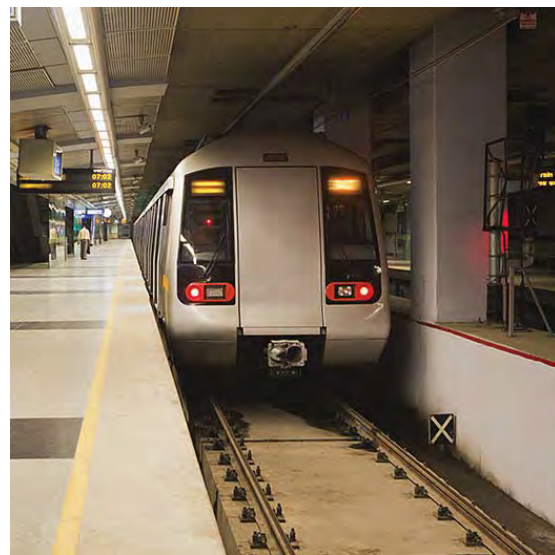
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## Urban Railways

Underground and Elevated Metro's. Monorail Lightrail and people movers, Depots, UG & Elevated Stations. MRTS electromechanical Systems.

## Transport Infrastructure

Railways and Railway facilities Bridges, Structures, Steel-girders & Deep Foundations, Tunnels and Embankments, Highway & Hydro Projects.



## Project Stages

Feasibility, Investigations and alignment, Facilities planning, Bid Level Design & Engg. Structural Design, Project preparation and integration services, safety, Instrumentation & monitoring. Project Management Construction Supervision".

## Techno Economical Service

Technology evaluation, structuring Projects, Life-Cycle cost modelling and analysis, techno-commercial services, Arbitration claims and contract issues, Techno-Economic due diligence.



# Metro Design

## Key Projects

### **SURAT METRO PROJECT:**

MRTS : GMRC UG02-PKG-CS3  
Client : J. Kumar Infra Project.  
UG Metro Station, TBM Tunnels

### **DELHI METRO PHASE-III:**

MRTS : DMRC CC-23 CONTRACT  
Client : FEMC Pratibha Joint Venture.  
UG Metro Station, TBM Tunnels

### **DELHI METRO PHASE-III:**

MRTS : DMRC CC-04 CONTRACT  
Client : Continental Engineering Corp.  
TBM Tunnels & Cross-passages

### **JAIPUR METRO PROJECT: JMRC UG1B**

MRTS: JAIPUR METRO PROJECT  
Client : Continental Engineering Corp.  
Detailed Design, UG Metro Station, TBM  
Tunnels

### **MUMBAI METRO LINE III: PACKAGE-05**

MRTS: MM3-CBS-UGC-05  
Client : J. Kumar Infra Project  
UG Metro Station, TBM Tunnels

### **MRK: BIMANBANDAR STATION & YARD**

Client : Metro Rail Kolkata  
UG Metro Station, Yard & Tunnels

### **DELHI METRO PHASE-III:**

MRTS : DMRC CC-127 CONTRACT  
Client - YFC Projects Pvt.Ltd.  
Underground Metro Station

### **DELHI METRO PHASE-III:**

MRTS : DMRC DC-04 CONTRACT  
Client: YFC Projects Pvt.Ltd. Elevated  
Metro Structures with 6-Lane Flyover  
and Underpasses

# SURAT METRO UG02-PKG-CS3

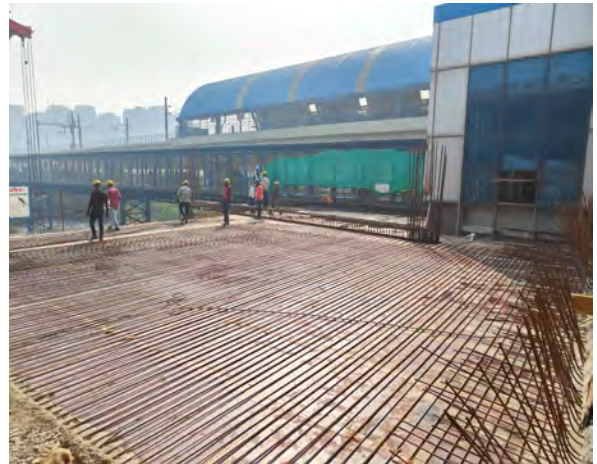
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**Project Description:** Detailed Design for Design build package involving Tunnelling by Shield TBM and 3 Underground Stations from Chowk Bazar, Maskati Hospital and Surat Railway Stations including Cut & Cover Tunnel and Ramp.

**Client :** J. Kumar Infra Projects Limited

**Services:**Detailed Design Consultancy for 3 Underground Stations.

Scope includes Preliminary Design Submission, Geotechnical Interpretation Report. Geotech & Alignment Studies. Design of temporary work. Detailed Design of Underground Stations, Cut & Cover. Geotechnical Design Services Structural Design Services Architectural & BIM design services.



# NCRTC Package - 4

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**Project Description :** Design & Construction of Tunnels by TBM from New Ashok Nagar DN Ramp to Sahibabad UP Ramp and One UG Station at Anand Vihar by Cut & Cover Method.

**Client :** Shanghai Tunnel Engineering Co. Ltd.

**Services :** Lead Design Checking Services Tunnel of length 10 Kms including up and down, launching-retrieval shaft, one U/G Station.

Scope includes LDC review and checks on Design Data up to the level of CRD/GFC.

## DMRC Package CC - 23

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**Project Description:** Detailed Design of all Tunnels for Design build package involving Tunnelling by Shield TBM and NATM and 5 Underground Stations from Hauz Khas (Excluding) to Kalkaji by cut & Cover & Allied Cut & Cover tunnels for Underground works under Delhi MRTS Project.

**Client:** FEMC-Pratibha Joint Venture.  
**Association:** Omikron Kappa of Greece

**Construction Cost:** EPC Cost Rs.1120 Cr.

**Services:** Tunnel segment design including segment lining details, GIR, Design of Cross Passages, Sump pit and Tunnel Drainage, Design of Connection details with launching and retrieval shaft, Structural Design of GK Station, Assessment of ground settlements within the influence station Works, Design of formwork & Staging for the structure etc.



## Underground Metro Jaipur Jaipur Chandpole - Badi Chaupar

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**Project Description :** Design and construction of Tunnel between Chandpole and Badi Chaupar and reversal line by shield TBM, UG Metro stations at Choti Chaupar and Badi Chaupar on East west corridor of Jaipur Metro.

**Client :** Continental Engineering Corporation.

**Services :** Successful Bid preparation. Detail Design of Tunnels of length –  $2 \times 1385 = 2770\text{m}$ . Detail Design of 2 Stations (Badi Chaupar) and Choti Chaupar) for Cut & Cover tunnels of length (378m).cover section.

**Special features:** Nearby heritage structures; e.g Hawa Mahal, Isarlat City wall. Shallow underpassing of Chandpole Gate.

# Bimanbandar Underground Metro Station And Yard Kolkata Airport

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Project Description : Underground Multiple line Underground Metro Yard & underground Metro Station at Bimanabandar (NSC Bose Airport along With and Cut & Cover Tunnels in c/w Extension of Metro Railway from Noapara to Barasat in Kolkata.

Client : Metro Railway Kolkata

Services : Appraisal of Geotechnical and other features, Alignment Studies, Preparation of Tender document, Architecture Drawings, MEP Design, Detailed Structural Design for Underground Yard (18,700 sqm), Station (15,400 Sqm) & Tunnels for Two Metro Corridors.

Project cost : 750 Cr

Special features: Underground Station five lines. First Underground Metro Yard in India.



# Mumbai Metro Line-3 32.5 Km. Underground Metro Line From Cuffe Parade To Seepz

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Bid Engineering Services For Six Packages

Project Description : 27 Underground Stations, TBM Tunnels, NATM Tunnels, Cut & Cover Tunnels including Architectural Design finishes, E&M works etc., comprising Six packages UG-01, UG-02, UG-03, UG-05, UG-06 & UG-07

Client - J Kumar Infraprojects

Association : Omikron Kappa of Greece

Services : Appraisal of geotechnical and other features, alignment studies, preliminary design of Cut & Cover stations, NATM stations, tunnels, Architectural design, E&M design, Drainage design preparation of Construction methodologies & detailed BOQ.



## ICC Station - Dwarka Sec- 25, Delhi

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Project Description : Design & Construction of Tunnel and One Underground Station ICC Centre for extension of Airport Express line from Dwarka sec-21 to ICC Centre at Dwarka sec-25. Detailed Design Services for Underground ICC Station at Sector 25, Dwarka Delhi

Client : YFC Projects Private Limited

Services : Detailed Design Of the underground station 220M long at ICC Centre by Cut & Cover method for all Temporary and permanent structures, Entry/Exit and all the associated structures.

## Mumbai Metro Line -3 Underground Metro Line UG 05 Dharavi to Mid Ventilation Shaft

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Detailed Design Engineering for PKG-UG 05.

Project Description : Metro Line Dharavi to Mid Ventilation Shaft near CSIA Mumbai involving Four Underground Stations, Twin TBM Tunnels, 3.9 km, NATM Tunnels, Shafts and Associated Structures.

Client - J Kumar Infraprojects  
Association : Omikron Kappa of Greece

Services: Appraisal of geotechnical and other features, alignment studies, Detailed design services, Architectural design, E & M design, for Three Cut & Cover Stations at Dharavi, BKC, Vidyanagri and one NATM Station at Santacruz, TBM Tunnel, and Two NATM Tunnels.



# DMRC Project CC - 04

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**Project Description:** Detailed Design for Design and Construction of Tunnel by Shield TBM, Cut & Cover, UG Station at Azadpur by Cut & Cover Method & Ramps for Underground Works on Mukandpur-Yamuna Vihar Corridor of Delhi.

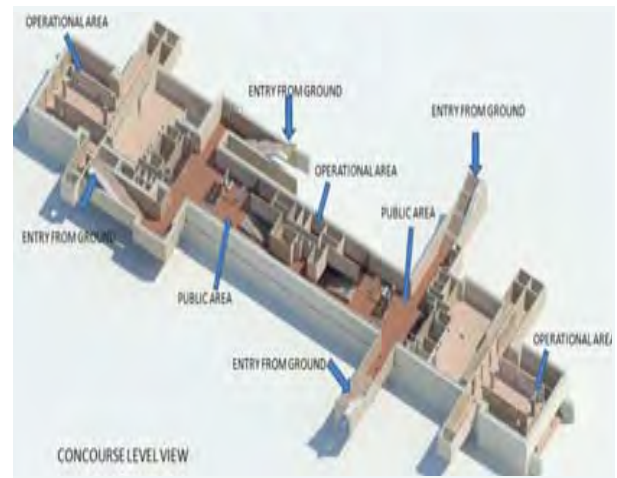
**Client :** CEC CICI JV

**Association :** Omikron Kappa of Greece

**Services :** Design of 23 m deep Gurudwara shaft in heavily built-up area where four TBMs stuck underneath have been retrieved.

Escape shafts designed in lieu of cross passages design of permanent structures & enabling works. Design of 9 cross passages & associated works.

Revaluation of Tunnel design, construction sequence, estimation of induced, displacement and building assessment. Dewatering calculations.



## Alignment Review, including station location, for 13 stations and tunnels for 18 km Underground Corridor

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**Project Description :** Development of Preliminary Design for prototype Underground MRTS Station incorporating various functional requirements, Ventilation and Air-conditioning space required E&M, Preparation of Tender Documents for UG corridors 11 km long segment.

**Client -** MEGA

**Services :** Alignment review, and station planning for: 3 stations and TBM drives for 4.0 km alignment from Motera side to Ranip, 9 station and 14 km alignment from AEC end to APMC station.

Preparation of design for prototype underground station, and preparation of tender documents with preliminary tender drawings.

# Archaeological Impact Study for Five Ancient monuments for Tuglakbad to Saket Section of Phase - of Delhi MRTS.

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Client : Delhi Metro Rail Corporation Limited.

Association : Omikron Kappa of Greece

Services: Metro Tunnel & Underground Station passing close/ below ancient monuments. Geotechnical interpretive report as basis to be used as a baseline for risk analysis. 2D and 3D design report for construction impact assessment on the monuments: Qila Rai Pithora, Tuglakabad Fort, Ghasuddin Tughlaq Tomb, Adilabad Fort and Nai-ka-kot.



## Design Of Elevated Metro DMRC DC- 04

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Project Description : Integrated structures consisting of elevated Viaduct and 6 lane flyover (Double Deck system) Ramps for viaduct and flyover , Sidings and lines , Underpass at Saket G Elevated ramp from BRT Corridor to flyover and two lane underpass from MB Road to BRT corridor and four elevated stations viz Sangam Vihar Ambedkar NAGAR AND Saket G

Client - YFC projects Private Limited

Services: Detailed Design of Elevated Viaduct & Elevated Ramps Detailed Design 4-lane Underpass at Saket-G and 2lane Curved Underpass at MB Road Jn.





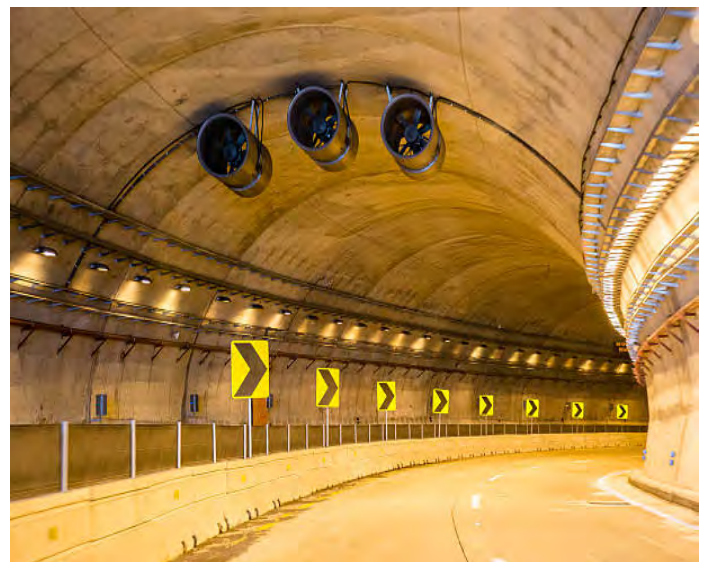
# Highway Tunnels

## Detailed Design of Tunnels

- ★ 921M Long Highway Tunnel
- ★ 240M NATM Tunnels for DMRC package CC23 Pratibha FEMC
- ★ 230M long two lane Chisopani Traffic Tunnel. Km 67.080 to 67.500 on NH10 Sikkim
- ★ Slope stability for 14 vulnerable locations for Four Lanning Himachal Pradesh
- ★ Proof Check Design of 1.15 km long 6 lane Tunnel at Khabataki Ghat Section of NH-4 in Maharashtra

## Tunnel Ventilation Design

Three Tunnels - T1, T4 & T5 Total 3790 M long on Kiratpur- Ner Chowk project in Himachal Pradesh NH-21 from km 73.20 to km 186.50.



## 2 x 4235 M Long Tunnel

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Project Description : Four Lanning of part of Ramban to Banihal Section of NH-1A of Twin Tube Tunnels (Package-I) in the UT of Jammu & Kashmir on EPC Mode.

Client : Tata Projects Ltd. for NHAI

Services : 4235 m long Twin Tube Tunnel and allied works near Ramban Banihal, Design of slop protection measures.

Detail design of tunnel involving geological mapping of tunnel alignment area, finalization of tunnel alignment and associated portals, classification of RMT, RBT as per NATM. Design of Tunnel's X-section and portals, support systems and final lining. Design of TVS, E&M Systes, ITCS.



## 2 x 3400 M Long Tunnel

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Project Description: Six Lane Baraja- Kandili Section of NH-130- Raipur- Visakhapatnam Economics Corridor in the state of Odisha on HAM.

Client: Dineshchandra R. Agrawal Infracon for NHAI

Services : Twin Tube Tunnels 3-Lane (3.4 km long) includes tunnel portals and support systems of tunnel and associated structures.

Scope Includes: Geological Mapping of Tunnel Alignment & Portals, Classification of RMT, RBT as per NATM. Preliminary Tunnel Design, Preperation of Detailed BOQ, Construction. Methodology & Tunnel Drainage works.

# 140 M Long Tunnel

**Project Description:** Detailed Design & Drawing of tunnel between Mohammad Ganj& Satbahini stations in connection with construction of 3<sup>rd</sup> line between Sonnagar-Garhwa Road Section.

**Client:** Rail Vikas Nigam Limited

**Services:** 140m Long Tunnel design and allied works.

**Scope Includes:** Feasibility Study, Preliminary Ddesign, Tender Design & Drawing, Tender Documents, Final Design of Temporary (DDS), Final Design Permanent (DDS), construction stage supervision.



# 1000 M Long Tunnel

**Project Description :** Technical Due Diligence of Tunnel at Vadamanchery-Thrissur Section of NH-47 (New NH-544) (Design Chainage Km. 246+900 to Km. 248+500) Expressway.

**Client :** Sekura Roads Pvt. Ltd.

**Services :** Technical Due Diligence of Tunnel of 1.0 Km. Long.

**Scope Includes** Review of all Design Documents of Highway Tunnels. Review of Geotechnical Report and Review of the Existing Geotechnical Condition at Site. Review of the Selection of Tunnel Profile Slope Protection Condition. Tunnel and Roadway Drainage throughout the Tunnel Ventilation requirements, lighting and Traffic control requirements

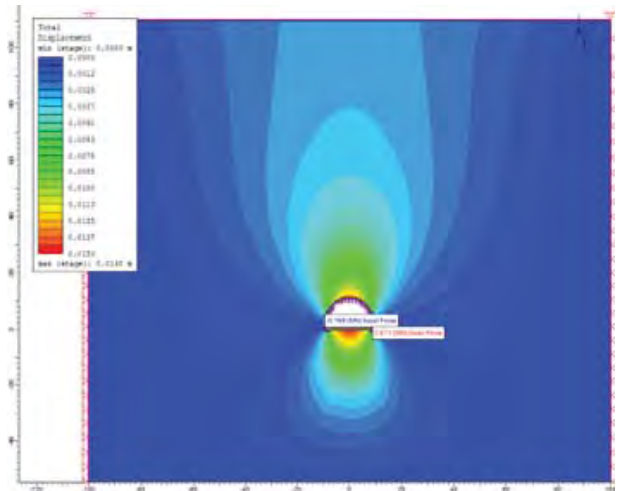
## 2 x 8450 M Long Tunnel

Project Description: Technical Due Diligence of Pir-Panjaj Road Tunnel in Jammu & Kashmir.

Client: Athaang Infrastructure through AECOM

Services : 2 x 8.45 Km Long Tunnel and Technical Due Diligence of Tunnel including review of All design documents.

Scope includes Review of all design documents of Highway tunnels. Review of Geotechnical Report and review the existing Geotechnical condition at site. Review of the selection of tunnel profile Slope protection condition analysis. Tunnel drainage roadway drainage throughout the tunnel Ventilation requirement, Lighting Traffic control requirements.



## 2 x 3325 M Long Tunnels

Project Description: Preparation of Feasibility Study & DPR of Pune Ring Road, Solu (Markal Road)-Sortapwadi (NH-09)-Verve (NH-4) Kusagaon Section (Eastern Side).

Client : AECOM INDIA

Services : Feasibility Study & DPR of Tunnels

Scope Includes Feasibility Study & Detailed Project Report for 7 Nos of Tunnels.

# 921 M Long Tunnel

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Project Description : Four Lanning of - Parwanoo - Solan Section NH (5) Km - 67.000 - 106.000 on EPC Mode under NHDP Phase III in the State of Himachal Pradesh.**921m long tunnel .**

Client : G.R. Infraprojects Ltd for NHA

Services : 921m long tunnel and allied works near Barog Design of slop protection measures for 14 deep cutting locations.

Detail design of Tunnel involving geological mapping of tunnel alignment area, finalization of tunnel alignment and associated portals, classification of RMT, RBT as per NATM. Tunnel's X-section and portals, support systems and final.



# 1.3 Km long tunnels

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Project Description: 1.3 km long Twin Tunnels for development of Kathmandu-Nijgadh-Pathlaiya Terai/ Madhes Expressway in Nepal.

Client: IL&FS Transportation Networks Ltd. for Govt. of Nepal

Services: Twin Tube Tunnels (1.3 km long) including Tunnel Portals and Support Systems of Tunnel and Associated Structures.

Scope Include Geological Mapping of Tunnel Alignment & Portals, Classification of RMT, RBT as per NATM. Preliminary Tunnel Design, preparation of Detailed BOQ, construction, Methodology & Tunnel Drainage works.

# Prebid Design of Tunnels

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16 km long ZOJILA Tunnel main and parallel escape tunnel and three deep shafts J&K

6.49 Km long Z- More Tunnel main and escape on section on NH-1 in the state of J&K

6 km long Tunnels and all other works in Pandoh Takoli highway section Himachal Pradesh

Twin Tunnels each 1.15 km and 1.72 km long, Khabataki Ghat and Kashedi Ghat Projects Maharashtra.

Twin Tubes Tunnel each 1.75 km and 8.92 km for missing link Mumbai Pune Expressway.

Tunnels Solan- Kaithlighat Section of NH-5 Himachal Pradesh



## Critical Review of NATM Design Tunnels T4

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Project Description: 250m long Tunnel in Four Lanning of Kiratpur Ner Chowk Section of NH-21 from Km. 73+200 to Km. 186+500 in the State of Himachal Pradesh.

Client - ILFS Transportation Networks Ltd.

Services: Design review arising out of construction related issues in tunnel.

Peer review of the detailed tunnel design (for tunnels's portraits and underground part temporary support) according to established guidelines, codes and best practices so as to meet the project's life/design life.

Review of the geotechnical interpretative report. Review of geological face mapping and application of support measures in the excavated tunnel lengths.

# Chennai Nashri Highway Tunnel

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Project Description: 9 km long Tunnel with Cross Passages. The longest road Tunnel in India uses NATM techniques. Constructed in missed conditions with Shale Clay Stone.

Client: Chennai Nashri Tunnel way Limited (IL&FS Transportation Network Limited) for NHA

Services : Advisory on all aspects of NATM. Construction Methodology & scheduling. Value Engineer, review E&M Design. Contractual issues.



# Four lanning of Kiratpur to Ner-Chowk Section of NH-21

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Project Description : The project involves five Tunnels with longest T1 being 1700 long with Parellel Escape Tunnel, formations with Sand Stone Clay Stone & Silt Stone.

Client : IL&FS Transporation Networks Limited for NHA

Services : Geological mapping of all Tunnels except T-1 recommendations for optimisation of project alignment. Review of Geological data of tunnel T-1. Classification of RMT, RBT as per NATM, of length (378m), cover section.



# Technical Consultancy for projects

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## Key Projects

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### URBAN TUNNEL

Kalanagar Grade Separator- Feasibility Study for Underpass Tunnels in Mumbai

Client - Mumbai Metropolitan Regional Auth. (MMRDA)

3 Underpasses with NATM and Cut & Cover. Aggregate length 1.2 km Feasibility study of all alternates, Construction methodology, Tunnel Ventilation Study and Specs. Project Costing and Scheduling.

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### PROJECT MANAGEMENT MRTS

Package CC01 from Central Secretariat to Mandi House DMRC.

Client - Pratibha CRFG JV

4 EPB drives with aggregate length 4.72 km. 2 underground stations with interface at Mandi House. Tunnelling under built up structures like American centre. project commissioned ahead of schedule.

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### RAILWAY TUNNELS

Project Management services for underground works and bridges in 4 packages for Kashmir Railway Project.

Client - Bumi Geo Engg for IRCON Intl Ltd

NATM TUNNELS 190 m long for single rail BG T-77B & 77C and Cut & Cover of 650m length, slope protection and Misc. Works Construction methodology and specs. Project Scheduling and value Engg.





# Railways

## Key Projects

Detailed design for Doubling of Rajpura Bathinda section of Northern Railway

Client - Rail Vikas Nigam Ltd  
Services: - Detailed design of:  
23 Major bridges, (Aggregate length 1025m  
Span up to 61m)  
65 Limited height Subways,  
16 minor bridges,  
Retaining structures  
Three Foot over Bridges

Detailed design for Minor Bridges on New BG railway line Bhanupali to Bilaspur:

Client - Rail Vikas Nigam Ltd.  
Services - 8 minor bridges, for yards and up to 27 m height. Protections works & Drainage structures.

Detailed design for Major Bridges, Minor Bridges, Stations Buildings, Earthworks for new connectivities to IR networks for New BG Double Railway line for HORC in the State of Haryana. Pkg. HORC-C23.

Client - PNC Infratech Ltd.  
Services - 13 Major Bridges, 77 minor bridges, 5 Stations Buildings, Retaining walls

Railway Siding project L& T Nabha Power Project Rajpura Punjab. Design of 25 Minor Bridges including RUB's

Client - Larsen & Toubro  
Services - Detailed design

Transaction advisory Services. EPC Contract for Railways 300 km route, Development of four model railway stations for IRSDC

Client - Rail Vikas Nigam Ltd.  
Services - EPC document finalisation

Detailed Design for Gauge Conversion Of Katosan Road – Becharaji and Siding (30 KM) at Becharaji ( EPC project) on Western Railway. Detailed Design of all Civil Engg works, including Geotechnical Investigations Survey Alignment, value Engineering .

Client - Kalpataru Power  
Services - Detailed design



# Indus Consultrans

recognized by **siliconindia** CONSULTANTS Magazine as

**siliconindia** 10 MOST PROMISING  
**PROJECT MANAGEMENT**  
**CONSULTANTS - 2020** 

*The annual listing of 10 Most Promising Project Management Consultants represents not only the commitment of the listed companies to play multifaceted roles in real estate projects but also recognizes companies bringing in quality standards in construction.*

  
Anamika Sahu  
Managing Editor

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# Certificate

This Certificate is issued to

**Indus Consultrans Pvt. Ltd.**  
 508 - 509, Spaze I-Tech Park  
 Tower A, Sector 49, Sohna Road  
 Gurgaon 122 002  
 Haryana  
 INDIA

who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

**Consulting and Civil Design Services for Infra Structure Projects**

Certificate No. : Q9130247  
 Original Issue : 17 August 2021  
 Latest Issue : 17 August 2021  
 Valid Till : 16 August 2024

*The continuing validity of this certificate is subject to timely conduct of surveillance audits*

Surveillance 1 due before : 02 August 2022  
 Surveillance 2 due on : 02 August 2023

for Vexil Business Process Services Private Limited  
 80-F, Kamla Nagar, Delhi 110 007



# ISO 9001:2015

To check the validity of the certificate, please email to [info.vexilbps@gmail.com](mailto:info.vexilbps@gmail.com)  
 The validity of the certificate can also be verified at <http://www.vexilbps.com>  
 Coloured reproduction of this certificate is not permitted.  
 Upon request, the Certificate shall be returned to Vexil Business Process Services Private Limited.



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## Indus Consultrans Pvt. Ltd.

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### **Gurgaon (Headquarters)**

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508 - 509, Spaze i-Tech Park,  
Tower A, Sector 49, Sohna Road,  
Gurgaon, Haryana - 122002

### **Noida (Branch Office)**

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Office No. 03, Third Floor, B-93B,  
Sector-2, Noida-201301, UP

### **Kolkata (Site Office)**

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Bimanbandar Metro Station Office  
Netaji Subhash Chandra Bose  
International Airport Jessore Road,  
Kolkata - 700052