

HINDUSTAN CONSULTING ASSOCIATES PRIVATE LIMITED



HINDUSTAN CONSULTING ASSOCIATES PVT. LTD.

- HCA is an engineering consultancy company, focused in Water Engineering projects (Canal, Water Supply, Irrigation, STP, WTP, etc.), Hydropower, Transportation Engineering projects (Bridges, Culverts, Tunnels, Retaining Structures, Drainage Structures, etc.), Railway-Specific Structures (ROBs, RUBs, FOBs, etc.), and Geotechnical Engineering Projects.
- It's a group of experienced professionals and talented, hand-picked, high caliber engineers.
- HCA has all expertise required for execution of domain Infrastructure projects - from Concept to Commissioning.

For further details, refer ***hcaindia.com***



SECTORS



Water Engineering / Hydropower



Heavy Civil Engineering



Underground and Tunnel Works

SERVICES OFFERED

Pre Feasibility
Report (PFR)

Detailed Project
Report
(DPR)

Tender Engineering

Detailed Engineering

Project Management
and Supervision
Services

Detailed Design
Review and
Optimisation



OUR BUSINESS ASSOCIATES

HCC



KALPA-TARU®

KALPATARU PROJECTS INTERNATIONAL LIMITED



MYHYDRO



SAFIRI POWER

NCC

NCC Limited



PROJECTS PVT. LTD.



INFRA TECH PVT. LTD.



JWIL

SUSTAINABLE
WATER MANAGEMENT



Patel



SP Singla Constructions Pvt. Ltd.

Building Infrastructure for future



Public Works Department
Government of Uttar Pradesh



TRANSRAIL



Care for life

KEC



TATA PROJECTS
Simplify. Create

RAHEE
Quality First, Speed Always

fortum

And More....

ISO CERTIFIED COMPANY



Certificate of Registration

This is to certify that

HINDUSTAN CONSULTING ASSOCIATES PRIVATE LIMITED
405, 4TH FLOOR, SURYA KIRAN BUILDING, 19 KASTURBA GANDHI MARG,
NEW DELHI - 110001 (INDIA)

has been independently assessed by QRO
and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

ENGINEERING DESIGN, PROJECT MANAGEMENT AND CONSTRUCTION

Date of Initial Registration: 9th May 2024 2nd Surveillance Audit Due: 8th May 2026
Date of this Certificate: 1st May 2025 Certificate Expiry: 8th May 2027

Certificate Number: 305024050902Q



Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.
(In case surveillance audit is not allowed to be conducted: this certificate shall be suspended / withdrawn).
The Validity of this certificate can be verified at www.qrocert.org.
This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

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Environmental Management System

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Occupational Health and Safety Management System

For the following scope of activities:

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Certificate Number: 305024050904HS



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Profile

Key Management

Key Management



Mr. Satish Kumar Sharma

Founder of M/s Hindustan Consulting Associates Pvt. Ltd.

Former :

- CEO - Rodic Consultants
- CTO - Hindustan Construction Company Limited
- Vice President and Engineering Head - Moserbaer Group
- Chief Engineer Design – Jaiprakash Associates 'JP Group'
- EiC Baglihar Hydroelectric Project, (900 MW)
(Lahmeyer International GmbH)

Mr. Sharma is a Chartered Civil Engineer and alumnus of KNIT Sultanpur (B.Tech, Civil) and IIT Roorkee (M.Tech), with over 30 years of experience in Design Engineering and Project Management.

Mr. Sharma has led major infrastructure projects across Hydropower, Metro Rail, Bridges, Nuclear, Marine, Water, and Highways in India, Nepal, and Bhutan.

Following a distinguished corporate career spanning roles from Management Trainee to CEO across Developers, Contractors, and Consultants, he founded M/s Hindustan Consulting Associates Pvt. Ltd. in January 2022.

Mr. Sharma also contributes to national policy and standardization through roles with bodies like Assocham, INCOLD, CBIP, ICA, BIS, and TAI.

Key Management



Mr. Vivek Singh
Vice President

B.Tech (Civil)
ME (Hydraulics Engineering)

More than 26 years work experience in Design Engineering, Planning and Construction of various Hydro Power, Water supply, and Irrigation projects.



Mr. Arun Kumar Agrawal
Sr. Advisor (E&M)

B.E (Mechanical Engineering)

More than 46 years Work Experience in the water and wastewater sector, specializing in the E&M design, execution, and rehabilitation of Water and Sewage Treatment Plants across India and abroad.



Mr. V.K. Srivastava
General Manager

B.Tech (Civil)
Construction Management from NICMAR

More than 35 years work Experience in the field of Construction Project Management including Construction Supervision of various Hydro Power projects.



Mr. Rajesh Dixit
General Manager (Geology)

M.Tech (Geology)
B.Sc (Geology)

More than 22 years work Experience in the field of Engineering Geology in Dam, UG structures, and Infra projects (Hydro, Railway, and roads) in the Himalayan region.



Dr. Paladi Rajendra Kumar

Geotechnical Expert
Ph. D (Geotechnical)
M.Tech (Rock Engineering and Underground Structures)
B. Tech (Civil)

More than 20 years work Experience in the field of Civil, Structural Geotechnical, Rock and Tunnel designs

Key Management



Mr. Devendra Kumar Sharma
Chief Consultant

Ex Member CWC (RM)
Ex Chairman Ganga Flood Control Commission

More than 37 years of work experience in Hydro Power & Thermal Power Development Sector , Water Planning and Management



Mr. Raghavendra Kumar Gupta
Chief Consultant

Ex Executive Engineer, Ken-Betwa Link Project Authority

More than 43 years Work Experience in Irrigation, Water Engineering, inter linking of river project.

Expert in Simulation Study/Working Table, Canal design and Topographical survey



Mr. K.P Varshney
Chief Consultant

E&M Expert

More than 43 years of work experience in the field of Erection, Testing and Commissioning of various components of Hydro Power Projects viz. Turbines, Generators, Transformers, Double decker Switching Station etc.



Dr. Nayan Sharma
Chief Consultant

Ph. D. from University of Roorkee
M.E. from University of Roorkee
P.G. Dip. University of Roorkee
B.E. (Civil Engineering) from Gauhati University

More than 46 years of professional experience in River Engineering, Dams, and Irrigation Science. He has contributed pioneering innovations such as India's first Piano Key Weir modeling for Sawra Kuddu Dam



Dr. Shyo Prasad
Sr. Consultant (Geology and Geotechnical Expert)

B. Sc. Honrs. (Geology .Physics and Math.), M.Sc (Geology), M.Phil. Ph.D Earth Sciences Department

More than 38 years Work Experience in engineering geology and geo-technical works, designing, execution of small and mega hydropower, Metro and Road tunnel projects in India and abroad



Sector Water Engineering

Key Projects (Detailed Design)

● *Mathura Package 1 and Package 2 Multi-Village Water Supply Scheme, UP*

- Service Reservoir 214 Nos
- Distribution Network 4200 Km
- Sedimentation Tank 23,000 KL
- Raw Water Reservoir (RWR) 22,900 KL
- Water Treatment Plant (WTP) 214 MLD
- Clear Water Reservoir (CWR) and Pump Houses 7 Nos



● *Basai 2 Multi-Village Water Supply Scheme, District Datia & Shivpuri, MP*

- Water Treatment Plant 54.3 MLD
- RCC Overhead Service Reservoirs (OHSR's) 101 Nos
- Clear Water Feeder/Gravity Main 532 km
- Distribution Main 1085 km



● *Gulabsagar Multi-Village Water Supply Scheme, District Sidhi, MP*

- Intake Well with Approach Bridge 54.76 MLD
- Water Treatment Plant 43.32 MLD
- RCC Overhead Service Reservoirs (OHSR's) 145 Nos
- Clear Water Gravity Main 989 Km
- Distribution Network 2058 Km

Key Projects (Detailed Design)

● *Hanota (District Vidisha) Multi-Village Drinking WSP, MP*

- Distribution Network 598.804 Km



● *Naini Project, Prayagraj, Uttar Pradesh*

- Naini STP 50 MLD
- Sewage Pumping Station (New Bargad Ghat) 3.50 MLD



● *Mukane Water Supply Project, Nasik, Maharashtra*

- Water Treatment Plant (WTP) 274 MLD
- Balancing Reservoir 2 nos (2 ML)

● *Compressed Biogas (CBG)*

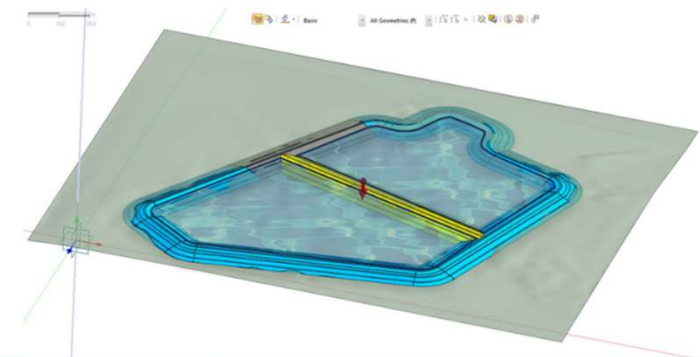


● *Zero Liquid Discharge (ZLD)*



● *Bharatpur Water Supply Project (Pkg-I), Rajasthan*

- Stability analysis of the Raw Water Reservoirs embankments
- Inlet & Outlet structure and approach bridges



Key Projects (Detailed Design)

● *Dudhai Sub-Branch Canal (Ch. 23.025 km to 68.522 km), Gujarat*

- Cross Regulators (CR/CSR/CR-Fall) – 24 nos
- Head Regulator (HR) – 51 nos
- Drainage Syphon (DSY) – 24 nos
- Drainage Culvert – 28 nos
- Village Road Bridge (VRB) – 25 nos
- Barrel
- Super Passage (SP) – 5 nos
- Escape / Tail Escape – 4 nos



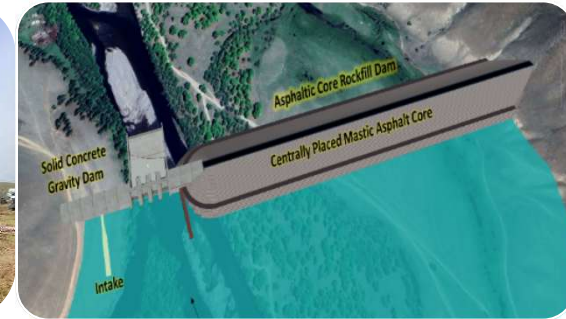
● *Barnigad SHEP, Uttarakhand – Design Flood Estimation and Diversion Barrage arrangement*

- Type : Under sluices & Ogee spillways
- River Bed Level : EL.940.00m
- Max Water Level : EL.948.00m
- Top of Structure : EL.949.00m



● *Tuul Water Complex Project, Mongolia – Feasibility Report*

- Type : Concrete face Rock fill Dam
- Height : 40m,
- Length : 750m



Key Projects

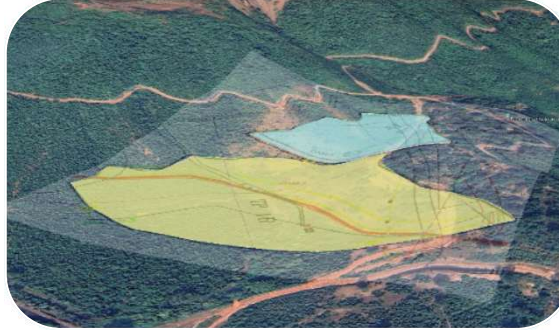
● *Two Tailing Dams, Gua Iron Ore Mine, Jharkhand (Stability Analysis)*

Upper Dam

- Height 33 m
- Top Width 06 m
- Base Width 26.76 m

Lower Dam

- Height 34 m
- Top Width 06 m
- Base Width 27.58 m



● *Tailing Dam-2, Iron Ore processing plant, Bacheli, Chhattisgarh*

- Height 25 m
- Length 150 m (approx.)



● *Lubi Mini Hydropower 4.48MW (4x1.2MW), DRC*

- Dam Height 8 m
- Power Channel 336 m long
- Intake 15m (W) x 8m (H)
- Capacity 5 MW



Key Project (Proof Checking)

- *Over Head Tank – Kandhamal - Padangi- 150 KL*
- *Over Head Tank – Kandhamal_ Mediakia 200 KL*
- *Over Head Tank – Balasore - Sradhapur_270KL_24m*
- *Over Head Tank – Malkangiri_340 kl 18m Gorakhunta*
- *Over Head Tank – Malkangiri_435 kl 20m Thandapalli*
- *Over Head Tank – Cuttack – Nuapatna_530KL 9m*
- *Boipariguda Water Supply Project, Odisha*
- *Kalimela Water Supply Project, Odisha*
- *Malkangiri Water Supply Project, Odisha*
- *Deogarh Urban Water Supply Scheme, Jharkhand*
- *Amritsar Water Supply Project, Punjab*
- *Saidpur Kumheri Water Supply Scheme, UP*
- *Gona Narhat Water Supply Scheme, UP*
- *Cuttack Water Supply Scheme, RWSS, Odisha*
- *Deoria and Ghazipur Rural Water Scheme Supply, Uttar Pradesh - Cost validation of EPC projects*

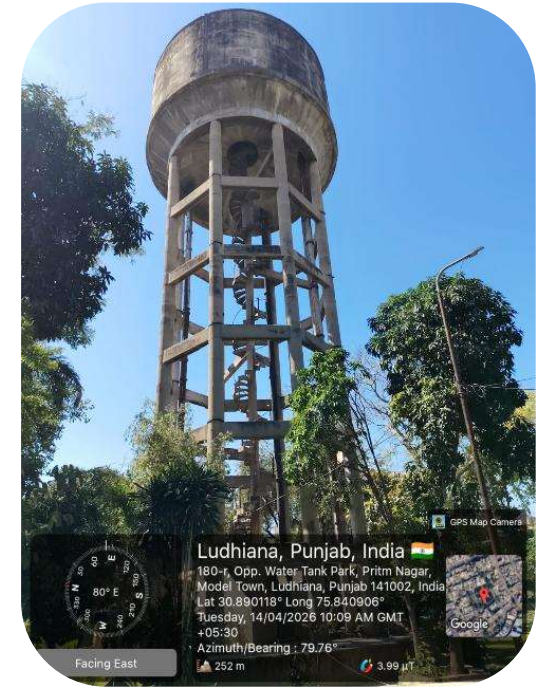


Key Project (PMC)

● Retrofitting Services for Ludhiana Water Supply Project

RCC Overhead Service Reservoirs (OHSR's) - 50 Nos

- Provide engineering support and technical supervision (PMC) during the execution phase.
- Conduct site assessments and evaluation of existing structures/systems.
- Design and implement retrofitting solutions to enhance structural integrity and functionality.
- Ensure adherence to safety standards and quality parameters.
- Coordination with site teams for effective project management and execution.

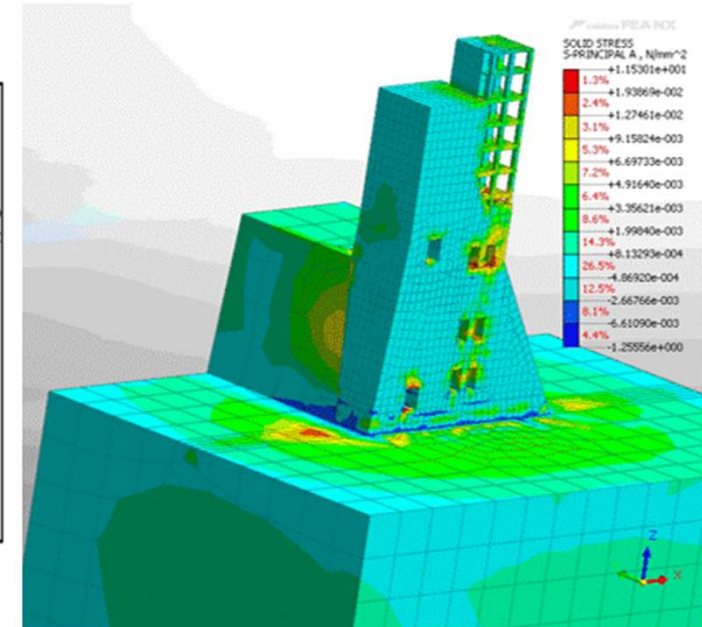
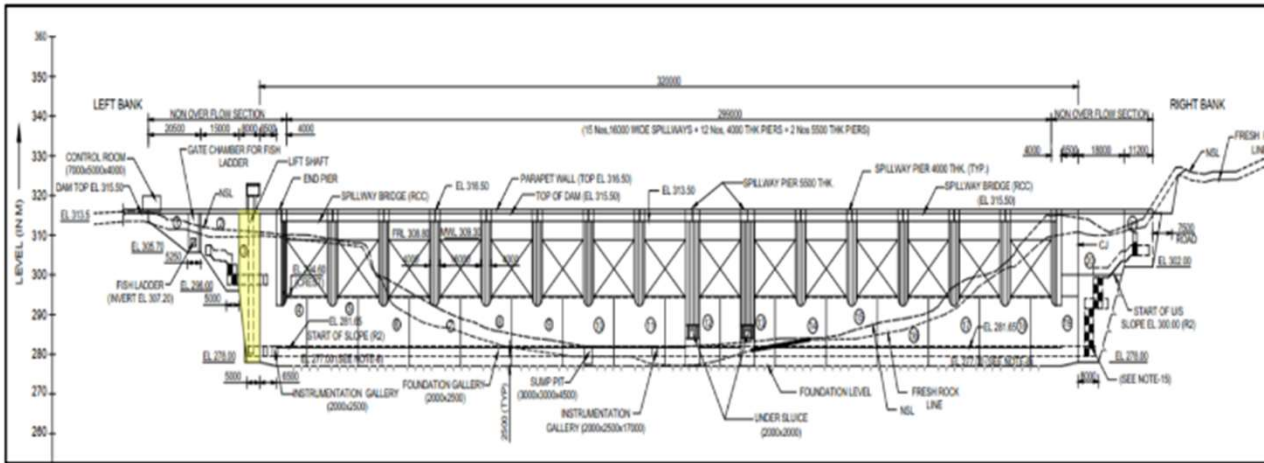


Key Projects (Detailed Design)

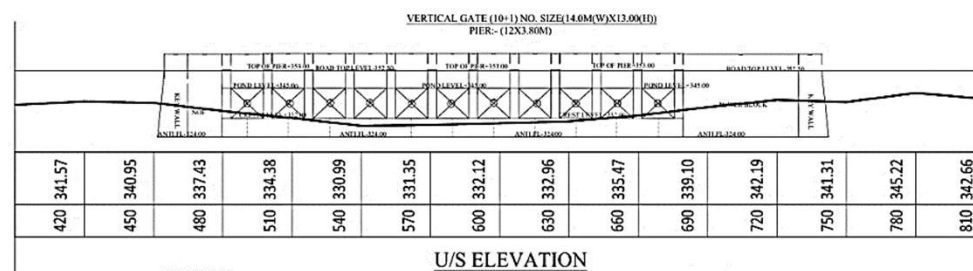
● *Parwan Major Multipurpose Irrigation Project, Rajasthan (FEM Modelling of NOF block)*

Project comprises construction of :

- 38 m High concrete gravity Dam,
- Intake structure and about 8.5 km long and 8 m wide free flow tunnel,
- Reservoir having gross storage capacity of 490 MCM ,
- Dam has been proposed in total 21 no blocks comprising 16 overflow (OF) and 5 non-overflow (NOF) blocks.



- Gotra composite Dam approx. 3100 m long, 22m high and 195 m long spillway and a powerhouse.



Plan of Barrage

U/S Elevation

Key Projects (Desktop Study)

- *Kisangani Small HEP , Democratic Republic of Congo (DRC)*
- *Small HEP on Lualaba River, DRC*
- *Small HEP on Lindi River, DRC*
- *Small HEP on downstream of the Kiambere HEP, DRC*
- *Small HEP on Tana River, Nairobi, Kenya*
- *Small HEP on Kondo River, DRC*
- *Small HEP on Lufapa River, DRC*
- *Small HEP on Kalumengongo River, DRC*
- *Small HEP on Kalule Sud River, DRC*
- *Mai Ndombe 1 Small HEP, DRC*
- *Sampwe - 2 HEP, DRC*
- *Tshibasa 1 HEP, DRC*

Technical Feasibility Report (Desktop Study report) covers the Preliminary Assessment, including Hydrology, Scheme Configuration, Firm Power Evaluation, Inundation Analysis, and Indicative Power Evacuation consideration for the project.



Key Project (Pre-Tender)

- **Daudhan Dam under Ken- Betwa Link, MP, India**
 - 96.70 m high composite dam
 - 2002.45 m long dam
 - 221 km long link canal
 - Dam-toe Powerhouse (60 MW)
- **Basania Multipurpose Project, Madhya Pradesh, India**
 - 80m high and 1200 m long Earthen / Concrete dam,
 - 100 MW (4 x 25 MW) surface powerhouse.
- **Super Trishuli Hydropower Project, Nepal**
 - 225 m long and 24 m high Concrete Barrage,
 - 100 MW Dam-toe powerhouse.
- **Deothal Chanju HEP, Himachal Pradesh, India**
 - Trench Weir, Intake structure,
 - 30.5 MW surface powerhouse,
- **Kandhaura PSP, UP, India**
- **Tato-II HEP (700 MW), AP, India**
- **Kalai-II HEP (1200 MW), AP, India**
- **Construction of Feeder from Isarda to Ramgarh Dam Jaipur**



And More....



Sector
Transportation and Civil Engineering
(Road, Bridges, Airport, Transmission
Line, Charging Plazas, and Tunnels)

Key Projects

● Shimla Bypass (NH05) Twin Tube Tunnel project – (PMC)

- 690 m (L), 10.50 m (W) T1 tunnel
- 1.2 km (L), 11.50 m (W) T2 tunnel

● Nimo - Leh Road Twin Tunnel – Detail Design

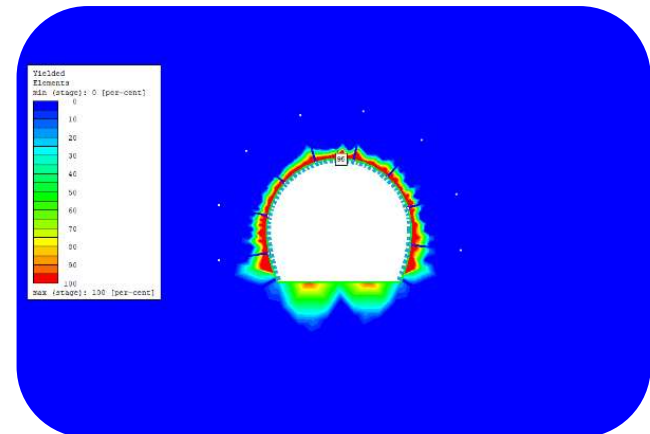
- 690 m (L), 10.08 m (W) T1 tunnel
- 1.2 km (L), 10.08 m (W) T2 tunnel

● Shinkun La Pass Twin tube tunnels, Himachal Pradesh – Tender Engineering

- 4.10 km (L), 10.25 m (W) T1 tunnel
- 4.04 km (L), 10.25 m (W) T2 tunnel
- 4.75 km (L) road

● Jammu Ring Road twin tube tunnels, J&K – Tender Engineering

- 1.1 km (L), 8.50 m (W) T1 tunnel
- 2.17 km (L), 8.50 m (W) T2 tunnel
- 4.75 km long road





Key Projects

● Rudraprayag tunnel on Alaknanda River, Uttarakhand – Tender Engineering

- 900.30 m (L), 11.74 m (W) tunnel
- 200 m long major bridge

● Tunnels at Adenigarh-Purunakatak & allied works of Khurda-Bolangir New Rail Line Project in East Coast Railway, Odisha – Tender Engineering

- Tunnel-T4, T5, T6 & T7 (Apx. Length of 7.492 Km.)

● Uni-directional Sudhmahadev - Dranga Twin Tube Tunnel, J&K – Tender Engineering

- 10.86 km (L), 9.01 m (W) T1 tunnel and
- 5.27 km (L), 9.01 m (W) T2 tunnel

● Road Tunnel with its approaches from Shiv Murti interchange to Nelosn Mandela Marg, New Delhi – Tender Engineering

- 4.98 km (L), 9.01 m (W) tunnel and
- 600 m (L), 8.5 m (W) bridge

Key Projects (Detail Design)

- 50 m long Bridge on Bhartna-Bakevar-Lakhna-Sindora Marg, UPPWD Etawah, UP
- Small bridge on Nagwa Nalla, UPPWD,
- 2x18m span bridge on Karvan Nadi-Agra, UPPWD
- Small Bridge on Mangai River, Azamgarh, UPPWD
- Small Bridge on Etawah branch canal, Firozabad, UPPWD
 - Design Methodology
 - GAD Calculation
 - Dead Load and Live Load Calculation
 - Design of Super Structures (Pier Well + Curb, Abutment Well, Pier Well Cap, Abutment Well Cap)
 - Design of Sub Structure (Pier, Pier Cap, Abutment Frame, Wing Wall, Back Wall, Bearing)
 - Soil Investigation Report & Bearing Capacity
- 4 lane, 1200 m long ROB on NH-28 (Basti-Bansi) – North Eastern Railway
- 4 lane ROB on SH-64 (Br. No. 36, Span (1x76.2)) (Bakhira-Mehdawal) – North Eastern Railway
- 2 lane ROB on Agra – Palwal – BBJ (A Govt. of India Enterprise)



Public Works Department
Government of Uttar Pradesh



Key Projects

- Independent Vetting of Design and Drawings and Implementation Strategies for Widening of Pakyong Runway (Ch 80m to 92m) Sikkim, including Slope stabilization measures of uphill and Improvement of storm water drainage system
- Design Review and Proof checking of GIS Substation at Bakhtiyarpur.
 - 132 KV
 - 220 KV and
 - 400 KV
- GIS Substation at Sector 45, Noida, UP
 - 33kV,
 - 132kV and
 - 220kV
- Design Review and Proof Checking of the Civil, Design and Engineering of 220 KV Line from Gr. Noida to YEIDA
- Detailed Design of Charging Plazas along the Highways in India



Key Projects

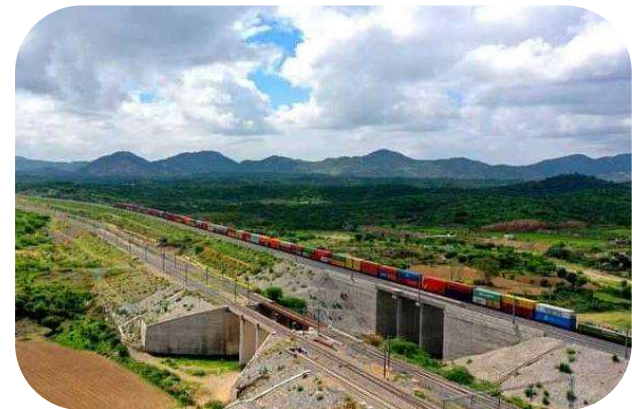
● Design Claim Support for DMRC DC 01 and DC02

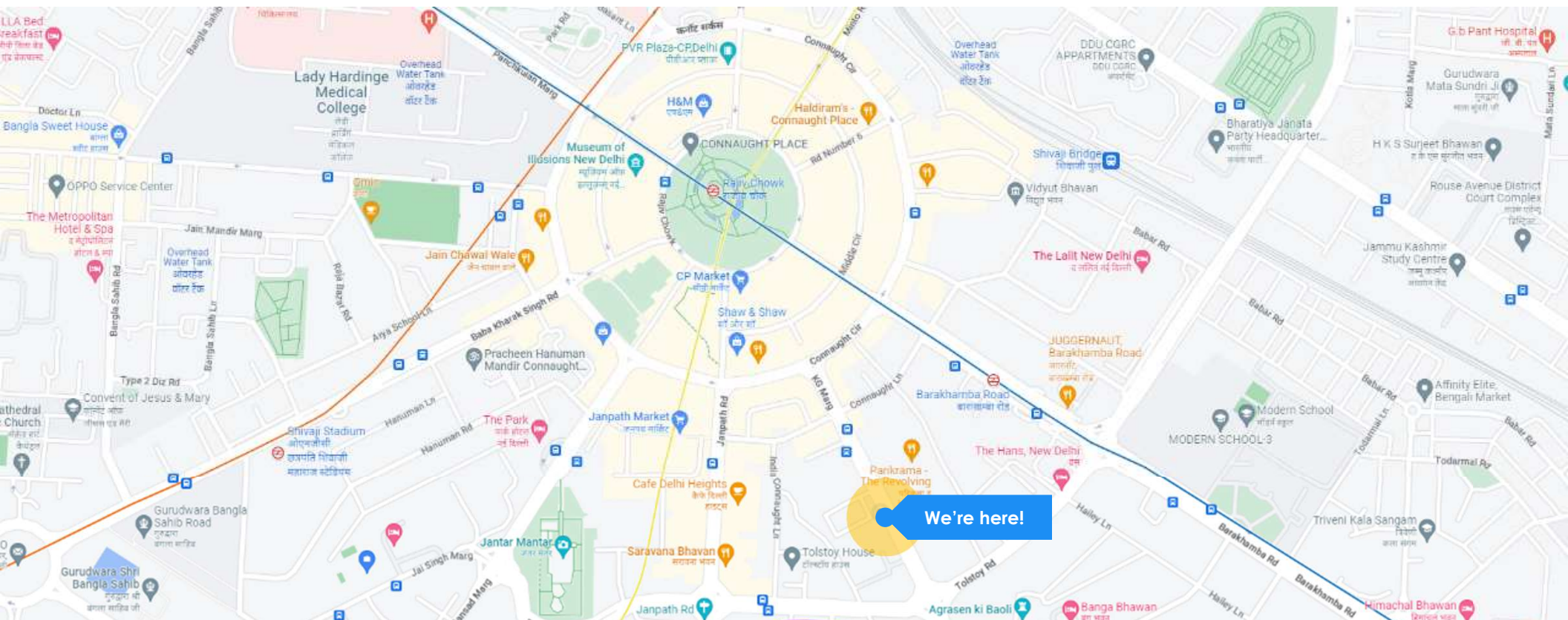
- Study of Span Arrangement Revisions for Rail Level, Pier Type /Size to form the basis of Scope change claim,
- Increase in Pile Capacities in Actual Design v/s Tender,
- Variation due to change in level consideration of water table (CGWB)

● Enabling Structure design for DMRC DC 02

● Preparation of Bill of Quantity (Civil Items) of DFCC CTP-11 JNPT - Vaitarna Section, Mumbai

➤ Major Bridge	26 Nos	➤ Retaining Wall	54.026 km
➤ Major RUB	4 Nos	➤ Drains	111 km
➤ Minor Bridge	195 Nos	➤ Tunnels	1.23 km
➤ Minor RUB	37 Nos	➤ Buildings	25 Nos
➤ Pedes. Sub.	4 Nos		
➤ ROB	11 Nos		
➤ Viaduct	11 Nos		





C o n t a c t

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Thank you

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