



**VOHRA  
STRUCTURAL  
CONSULTANTS**

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# ABOUT US

Vohra Structural Consultants Pvt Ltd is a leading infrastructure engineering consultancy firm. Since its inception, Vohra Structural Consultants has gained expertise in providing design and execution solutions in a variety of sectors such as bridges, highways, railways, tunnels and building infrastructure.

We have delivered engineering projects across the country with a team of experts who stand as a symbol of quality. We have advanced mechanisms for detail need analysis and embedding over the years.

The company takes a multidisciplinary approach to projects, bringing in experts from other industries to ensure the success of each project. And, with services spanning all civil engineering disciplines, we offer its infrastructure customers everything they need for a successful project.

We are transforming India's infrastructural landscape to make it more workable as well as aligned with the people's future needs, powered by passion, driven by innovation, led by a visionary approach, and guided by global quality standards.



# MISSION, VISION & SUCCESS MANTRA

## MISSION

To assist our clients in addressing the challenges that they face in the infrastructure sector in a creative, professional, and responsible manner by providing cost-effective innovative solutions.

## VISION

Our vision is to deliver cutting-edge solutions for smarter infrastructure development.

## SUCCESS MANTRA

We believe in pushing the present to deliver solutions for the future. We don't just provide services to our clients; we also accompany them on their journey to build the India of the future. And we do it on the strength of our solid fundamentals, which serve as the foundation for our service charter.



# CORE VALUES



## ACCOUNTABILITY

The strong sense of accountability in each team member allows us for timely delivery to the client with the highest standards.



## INTEGRITY

Our business conduct will include the highest level of honesty, ethics, and moral correctness.



## RESPECT

Respect is the basic rule of behavior that guides every employee in all of his or her actions



## TEAMWORK

Our culture of teamwork allows us to work together within the company, and with our clients to deliver better solutions.



## ENTREPRENEURSHIP

Each employee should show initiative and be motivated by a desire to win, to commit, and to succeed.





# SAFETY & ENVIRONMENTAL POLICY

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Vohra Structural Consultants offers sustainability-focused consulting services. Vohra Structural Consultants promotes environmental awareness among our employees and customers, and we provide solutions that benefit society, the environment, and the economy.

Vohra Structural Consultants is committed to being an environmental leader and providing solutions that promote resource efficiency, less waste, a healthy environment, and pollution prevention.



## WHY CHOOSE US?

INNOVATIVE AND RESEARCH-BASED  
SOLUTIONS FOR HIGHLY COMPLEX  
PROJECTS

ECONOMICAL AND FEASIBLE DESIGNS

TIME BOUND DELIVERABLES

VARIOUS INFRASTRUCTURE PROJECT  
EXPERIENCE

WE ARE DEDICATED TO MAKING THE  
WORLD A SMARTER PLACE

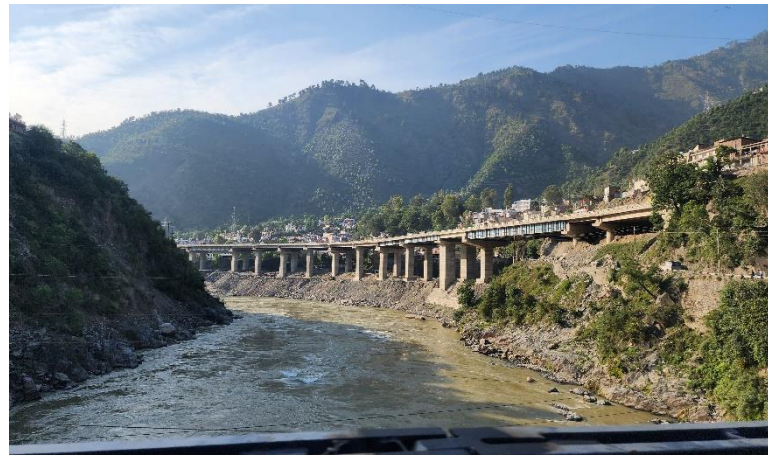
# PROJECTS (COMPLETE CONSULTANCY WORK)

**1. Project Name** - 4-laning of Udhampur-Ramban section of NH-1A from KM 67.00 to 89.00 KM, KM 130.00 to KM 151.00 in the State of J&K.

**Our Consultancy Services** - Design of Ramban Bridge (total length 1080m) comprising 22 spans of various lengths ranging between 30m to 64m. Design of twin tunnels of length 888m including E&M works. Design of Highway alignment (Plan & Profile) and Signages. Design of various minor bridges, Geotechnical Reports, drains etc.

**Client** - NHAI

**Contractor** - Gammon Engineers and Contractors Pvt. Ltd



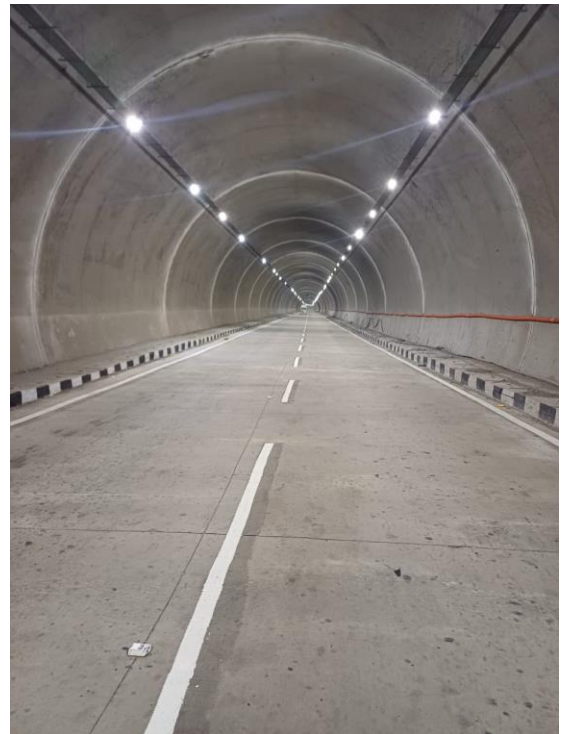
**Ramban Bridge**



**MNB 44**



**MNB 43**



**Tunnel T1**

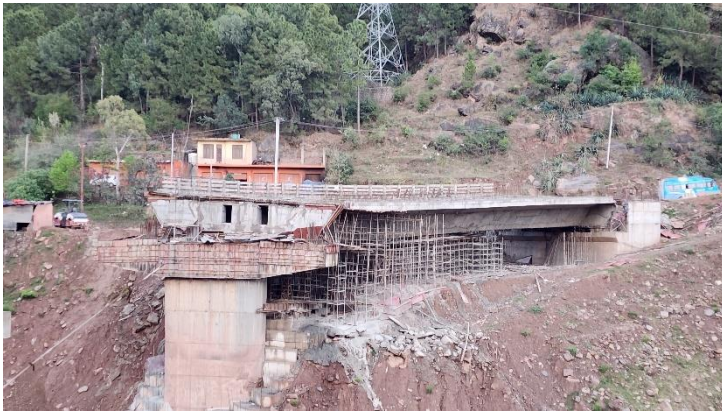
# PROJECTS (COMPLETE CONSULTANCY WORK)

**2. Project Name** – Widening and upgradation to 2 lane with paved shoulder configuration and geometric improvement from km 0.000 to km 16.990 on Chenani – Sudhmahadev section of NH-244 in the state of Jammu and Kashmir.

**Our Consultancy Services** – Design of MJB 1 (total length 115m) & MJB 2 (total length 218m) comprising 6 spans.

**Client** – NHIDCL

**Contractor** – SRM Contractors PVT. LTD



**MJB 1 Under Construction**



**MJB 1**



**MJB 2 Under Construction**



**MJB 2**

# PROJECTS (COMPLETE CONSULTANCY WORK)

3. **Project Name** - Construction of alternative alignment of Lakhanpur-Thein Road, KM 11th to 12th due to submergence of 2X39m R.C.C. T girder bridge on Nora nallah (at 410m level)

**Our Consultancy Services** - Design of Balance cantilever bridge for a span of 191m.



***Lakhanpur bridge***

**Client** - Office of the Executive Engineer, PWD (R&B) Division Kathua, Jammu

**Contractor** - SRM Contractors PVT. LTD

4. **Project Name** - Upgradation of Tutan Di Khui to Madana Road, Jammu

**Our Consultancy Services** - Design of 6 causeways of length varying from 78m to 28m



***Causeway 2 of length 78m***

**Client** - Jhelum Tawi Flood Recovery Project

**Contractor** - SRM Contractors PVT. LTD

5. **Project Name** - Four laning of Ramban to Banihal Section of NH- 1A (Now NH-44), from km 151.000 to km 187.00 on EPC Mode in the State of Jammu & Kashmir under NHDP Phase-II

**Our Consultancy Services** - E& M works - Design of Tunnel lightning and ventilation for tunnel T1 to T5



***Tunnel T5***

**Client** - Rodic Consultants Pvt. Ltd

**Contractor** - HCC/ CPPL

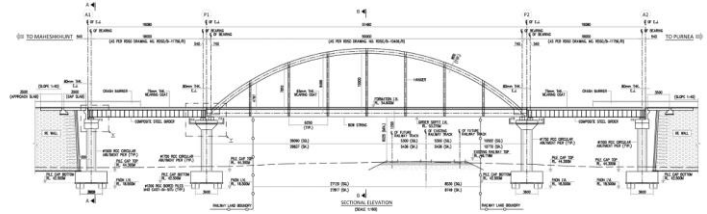
# PROJECTS (COMPLETE CONSULTANCY WORK)

6. **Project Name** - Rehabilitation upgradation of two laning of Maheshkhunt-Saharsa- Purnea - Section of NH-107 from Km 90 to Km 117.96 in state of Bihar on EPC mode Package-II.

**Our Consultancy Services** - Design of 2 Railway over Bridges



**ROB Under Construction**



**GAD of ROB**

**Client** - NHAI

**Contractor** - Gammon Engineers and Contractors Pvt. Ltd.

7. **Project Name**- Construction of Elevated Road Corridor from AIIMS (on NH-98) to Digha (on Ganga Path)(11.90 Km) at Patna in the State of Bihar.

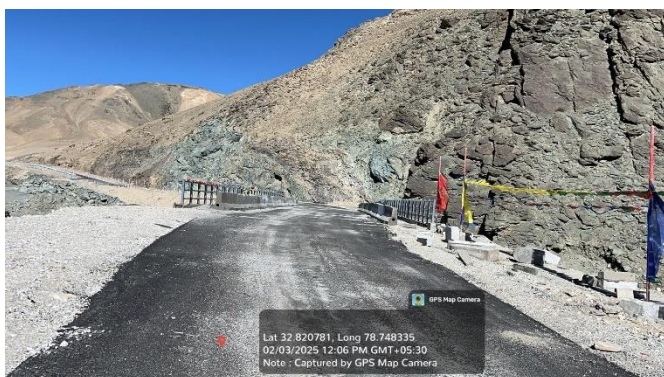
**Our Consultancy Services** -Preparation of As-built drawings for the complete stretch of 119 Km. Design of 2 Railway over Bridges.

**Client** - BSRDC

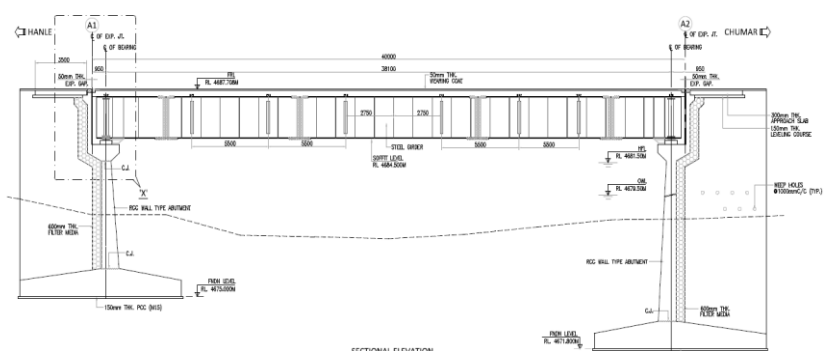
**Contractor** - Gammon Engineers and Contractors Pvt. Ltd.

8. **Project Name**- Construction and upgradation to NHSL specification from km 29+000 to km 60+652 of road Hanle-Chumar Under Project Himank In Ladakh (Ut) On Epc Mode (Length 25.900 Km

**Our Consultancy Services** Design of 1 Minor Bridge, Box culverts and Slab culvert.



**40 m Span Bridge**



**GAD of 40 m Span Bridge**

**Client** - Project Himank Border Roads Organisation Ministry of Defence Leh

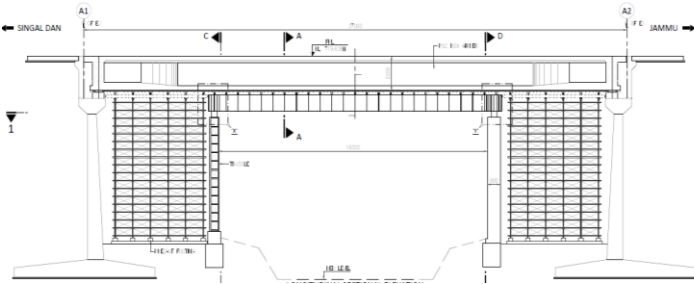
**Contractor** - SRM Contractors PVT. LTD.

# PROJECTS (COMPLETE CONSULTANCY WORK)

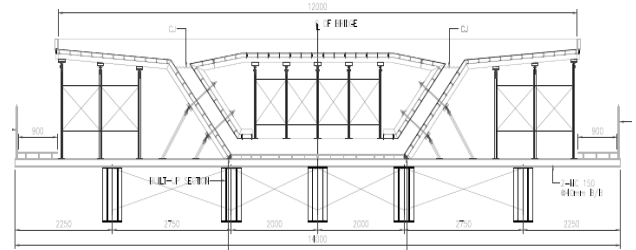
## 9. Project Name- Design and construction of 35MTR span

PSC Box girder permanent Kalapassi bridge at KM144.97 over Kalapassi Nallah on road Ramban old alignment under 52 RCC/35 BRTF of project Beacon in J &K state.

**Our Consultancy Services-**Design of Enabling Structure for PSC Box Girder over a river.



*Enabling drawing*



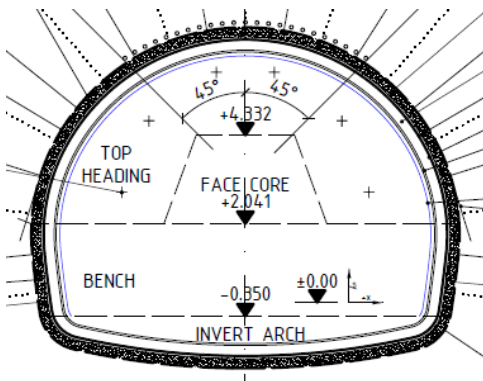
*PSC Box Girder shuttering drawing*

**Client -**BR0

**Contractor -** Malik Construction Infra Pvt. Ltd.

## 10. Project Name- Construction of Artillery Tunnel in the Union Territory of Leh & Ladakh

**Our Consultancy Services-** Design of Artillery Tunnel of 55m long.



*GAD Of Artillery Tunnel*

**Client -** Project Himank Border Roads Organisation Ministry of Defence Leh.

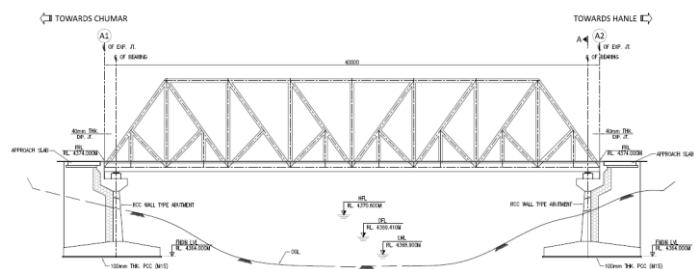
**Contractor -** SRM

## 11. Project Name- Construction and upgradation to NHSL specification from KM 60+562 to KM 96+577 of road Hanle-Chumar under project Himank in Ladakh (UT) on EPC mode (length 36.015 KM)

**Our Consultancy Services-** Design of 1 Minor Bridge of 40m span, Various Box culverts and Pipe culverts and miscellaneous details.



*Site location*



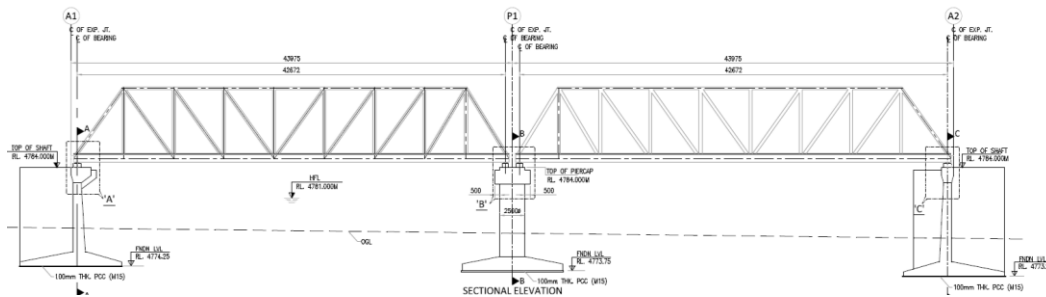
*GAD of 40m span bridge*

**Client -** Project Himank Border Roads Organisation Ministry of Defence, Leh

**Contractor -** TTC Infra

# PROJECTS (COMPLETE CONSULTANCY WORK)

**12. Project Name-** Design of 42.7m x2 Major Bridge 6 near TSO GSTSALU in the UT of Ladakh  
**Our Consultancy Services-** Design of a Major Bridge for a total length of 85m.



***GAD of MJB6***

**Client –** Project Himank Border Roads Organisation Ministry of Defence Leh

**Contractor –** TTC Infra

**13. Project Name-** Construction Of Realignment Between Pandrass- Pashkyum (Net Length-27.10 Km) On Road Zozila-Kargil-Leh (Nh-1) To 2 Lane Specifications I.E. Drass Realignment (9.30 Km), Kharboo Realignment (6.30 Km) & Kargil Alignment (11.50 Km) Under Project Vijayak (Bro) In The U.T. Of Ladakh On Epc Mode - Kharboo Section.

**Our Consultancy Services-** Design of one Major Bridge of length 72m and two Minor Bridges of length 50m and 30m. Design of various slab and Box culverts



**Client –** BRO Vijayak

**Contractor –** SRM-Rajinder JV.

***MNB 2 under construction***

**14. Project Name-** Construction of road Chusul- Dungti - Fukche- Demchok package 1 from KM 0.00 to KM 56.240 ( Including major bridge of 140 MTR span at KM.55.800) from existing track to NH single lane specification under EPC Mode (7.45 MTRs formation width) under project Himank in union territory of Ladakh (NET length 56.240 KM)).

**Our Consultancy Services-** Complete consultancy services which include Design of Highway alignment, Preparation of P&P, Payment design and Design of cross drainage structures (118 nos.)

**Design of Bridges** (2 MNB of 30m span and 1 MJB of 140m [2x70m] span).

**Design of Road furniture, Road markings and other miscellaneous drawings**



**Client –** BRO- Himank

**Contractor –** Credible - D2S JV

***MNB 30 m span under construction***

# PROJECTS (COMPLETE CONSULTANCY WORK)

**15. Project Name-** Construction of Balance work and Value Addition Works of Four Laning of part of Ramban to Banihal Section of NH-1A (Now NH-44), From Km 151.000 to Km 187.000 on Engineering Procurement & Construction (EPC) Mode in the Union Territory of Jammu & Kashmir under NHDP Phase-II

**Our Consultancy Services-** Design of various minor bridges, Load testing drawing, slope stability design of the 16 km stretch, design of road signages and road markings, Design of Canopy for 550m length and other miscellaneous designs



*Slope Protection work under construction*



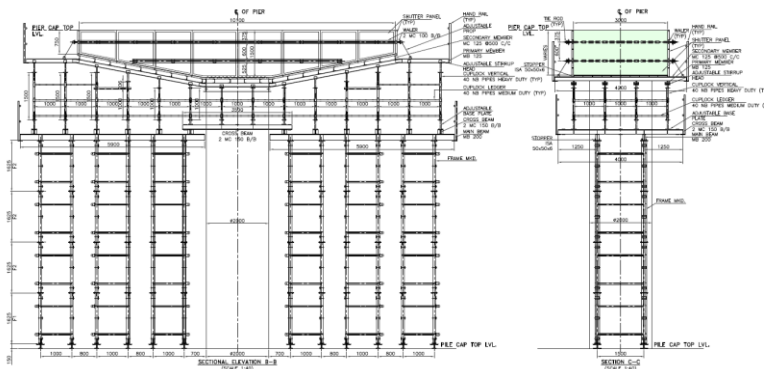
*MNB 3 open to traffic*

**Client –** NHAI

**Contractor –** DRAIPL - ABCIE

**16. Project Name-** Construction of 2-Lane ROB & Approaches in lieu of L.C.No. 104E/spl3 at Km.97/6-7 between Cherukuwada & Undi Railway station on Gudivada - Bhimavaram Section at N.H. Km.170+400 on Kathipudi-Pamaru road of NH.214 (NewNH-165) In West Godavari District, in The State of Andhra Pradesh.

**Our Consultancy Services-** Complete Enabling design which includes design and drawings of Pier & Pier cap, PSC I-girder and Steel Composite I-girder formwork and supporting system for a bridge of total length of 460m.



*Pier Supporting System*

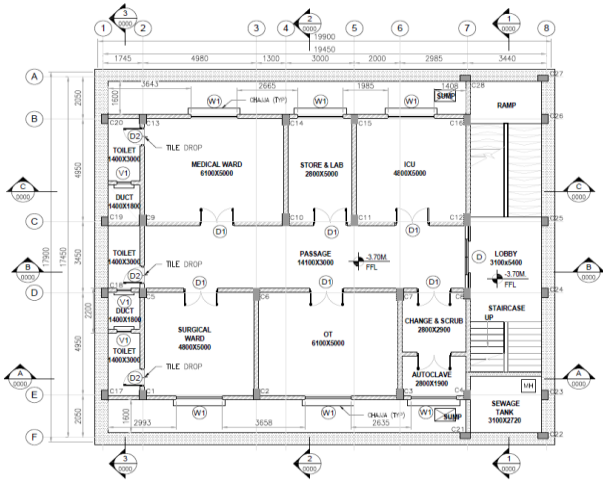
**Client –** Government of India (Ministry of Road Transport and Highways)

**Contractor –** Ghai Constructions Ltd

# PROJECTS (COMPLETE CONSULTANCY WORK)

**17. Project Name-** Architectural and structural design and drawing of underground field surgical centre (FSC)

**Our Consultancy Services-** Architectural and structural design of underground field surgical centre in Ladakh.



*Plan Of UFSC*



*Prospective view of UFSC*

**Client –** BRO Himank

**Contractor –** Kundan Traders Pvt Ltd

**18 Project Name-** Construction of Cut And Cover Tunnel having 520 Mtrs Length Between Km 51+950 To Km 52+500 And 400 Mtrs Length Between Km 52+550 To Km 52+950 Including Minor Bridge On D-S-Dbo Road Under Project Himank In Ladakh (Ut) On Epc Mode (Net Tunnel Length 920 Mtrs)

**Our Consultancy Services-** Pre-bid and proof consultancy services for the contractor for the 920m cut and cover tunnel.

**Client –** BRO Himank

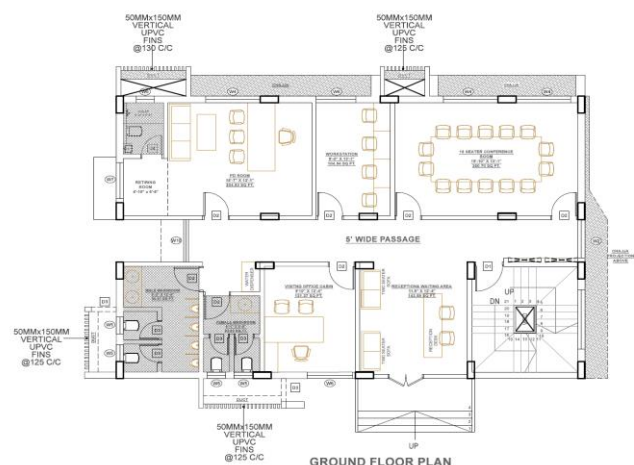
**Contractor –** SRM

**19 Project Name-** NHAI office building

**Our Consultancy Services-** Architectural and structural design of NHAI office building



*Elevation of NHAI building*



*Typical Plan Of NHAI building*

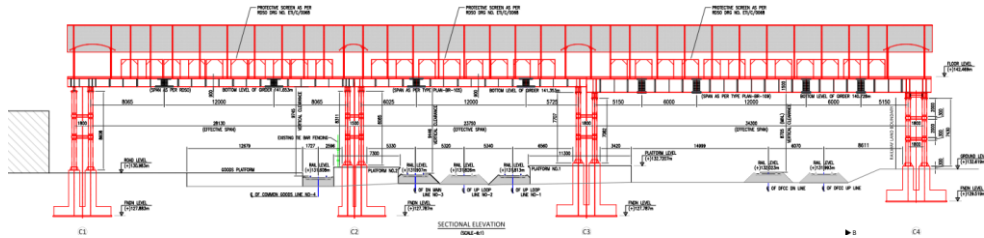
**Client –** NHAI

**Contractor –** Gammon Engineers and Contractors Pvt. Ltd.

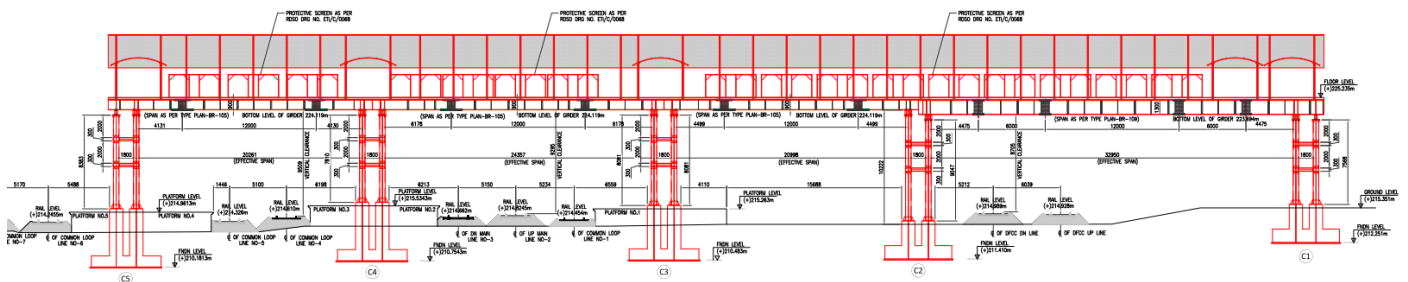
# PROJECTS (COMPLETE CONSULTANCY WORK)

## 19. Project Name- Construction of FOBs and Linkways for Sidhpur Station and Palanpur Station

**Our Consultancy Services-** Preparation of design and structural drawings including fabrication drawings for Sidhpur and Palanpur Station.



*Elevation of Foot over bridge at Sidhpur Station*



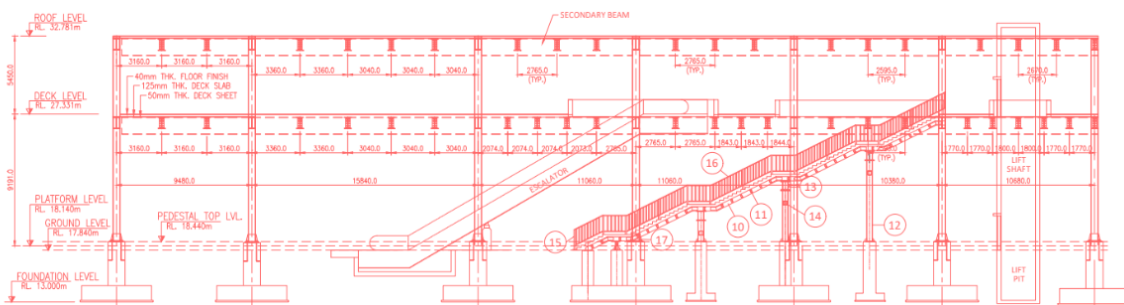
*Elevation of Foot over bridge at Palanpur Station*

**Client –** Western Railways Ahmedabad Division

**Contractor –** SSIPL- DRAIPL JV

## 20. Project Name- PROVISION OF 12M WIDE FOB AT SACHIN, BHESTAN, BILLIMORA & BARDOLI (MUMBAI DIVISION)

**Our Consultancy Services-** Preparation of design and structural drawings including fabrication drawings for Miscellaneous works of Stations for Sachin, Bhestan, Billimora and Bardoli.



*Elevation of Sachin Station building*

**Client –** Western Railways Mumbai Division

**Contractor –** D R Agrawal Pvt. Ltd.

# CLIENTS



**VOHRA  
STRUCTURAL  
CONSULTANTS**



**GAMMON**

Builders to the Nation



Border Roads Organization



**Choudhary Power Projects  
Private Limited**

**HCC**

Hindustan Construction Company

**ADITYA BIRLA**



**UltraTech**



**SIDDHARTH**  
TANKS & VESSELS PVT. LTD.



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*A trusted name in the Infrastructure Industry  
Since 1999*

**GCL**

Ghai Construction Limited



**Dineshchandra R. Agrawal  
Infracon Pvt. Ltd.**  
Infrastructure Builder

# KEY PERSONNEL

## FOUNDERS



**MOHAMMED VOHRA**

Managing Director & Founder  
(M-Tech-Structural Engineering)

Mr Mohammed Vohra has a post-graduation degree of M. Tech in Structural Engineering from Sardar Patel College of Engineering, Mumbai.

He has broad experience in the design of various types of bridges in PSC, Steel and RCC in more than 40 projects. He is a Graduate Member of The Institution of Structural Engineers, UK; Member of Indian Institution of Bridge Engineers and Member of Indian Road Congress.

He has successfully designed various bridges with PSC I girder, PSC Box girder, Steel Composite I Girder, and PSC Box with Balance Cantilever method of various spans for various projects.



**MANSOOR VOHRA**

Founder & Director  
(MBA- Marketing)

Mr Mansoor Vohra has a Master's in Management Studies degree from Prin. L N Welingkar Institute of Management.

Post his graduation, he has worked in several industries including FMCG, textile and construction before co-founding Vohra Structural Consultants.

With his strategic thinking and analytical skills he has been maximising efficiencies for all ongoing and proposed projects.

# KEY PERSONNEL



**JIGAR MEHTA**

Technical Director

(M-Tech Structural Engineering)

Jigar C. Mehta has over 7 years of experience in the structural design of bridges.

He has dealt with planning, pretender design, post-tender design, preparation of BOQ, detailed design and drawings of various types of bridges including balanced cantilever bridges, extra doses bridges, precast segmental box girder bridges, pre & post-tensioned I-girders, well foundation, pile foundation, prestressed and RCC portal.

He was a part of the design team for the iconic Mumbai coastal road project and cable-stayed bridge over Storstrombroen, an overseas project in Denmark. He has technical competence in designing software like Sofistik, Midas Staff Pro and knowledge of IRC codes, Euro codes and MOST codes.



**MOHAN PATKAR**

Sr. Structural Draftsman

(Diploma-Mechanical)

Mr Mohan Patkar has over 35+ years of experience in the field of drafting. He has been associated with the firm since its inception.

He is well versed in preparing working mechanical drawings/civil drawings for bridges, chimneys, cooling towers, roads and highways, and miscellaneous structures.

# KEY PERSONNEL



**PRATIKSHA POOJARY**  
Sr. Structural Consultant  
(M-Tech Structural Engineering)

Ms Pratiksha Poojary has over a decade of experience in the field of structural design.

She has experience in designing all types of typical bridges including Balanced Cantilever Bridges, Extra-dosed Bridges, segmental and continuous post-tensioned concrete box girder bridges, curved bridges and elevated viaducts with foundation types like combined footing, pile foundations and well foundations using capacity design for various clients worldwide. She has expertise in SOFiSTiK FEA Package, Rhinoceros + Grasshopper, MIDAS, STAAD-PRO and OASYS.

She is very proficient in computational design and is very well versed with all the latest codal provisions. She has worked for Mumbai Metro Line 7 and for upcoming projects like the Mumbai-Ahmedabad High-speed Rail to name a few.

# CONTACT US



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