

# i2R CONSULTING PROFILE





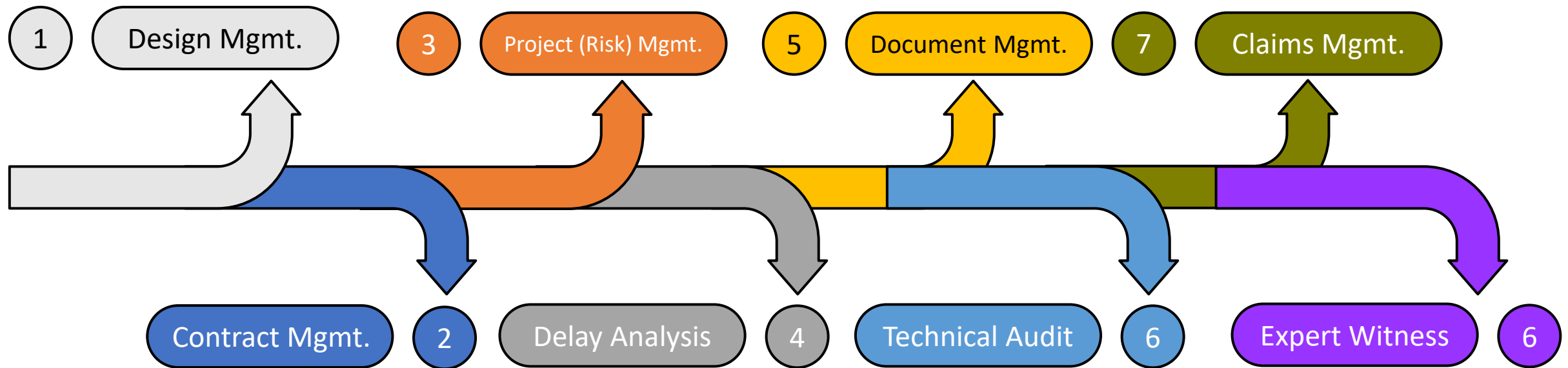
# ABOUT i2R



**i2R CONSULTING** is established to provide specialized services to the Construction and Engineering sector. We have projects pan India and South Asia.

We decode the complexity of the project to manage the risk, mitigation, uncertainty, and disputes so as to achieve the best possible outcomes for our Clients all the time.

Clients Leveraged expertise of **i2R** To Support their Legal Teams and To Close Contractual Issues Faster, thereby greatly improving the Project Economics



- Area of expertise include **metro rail & railways, roads/highways and urban infrastructure.**
- Competent team > 500 years cumulative experience in the mentioned services put together.
- Involved in projects worth more than USD 4400 million
- Handled more than 4600 km of highways .



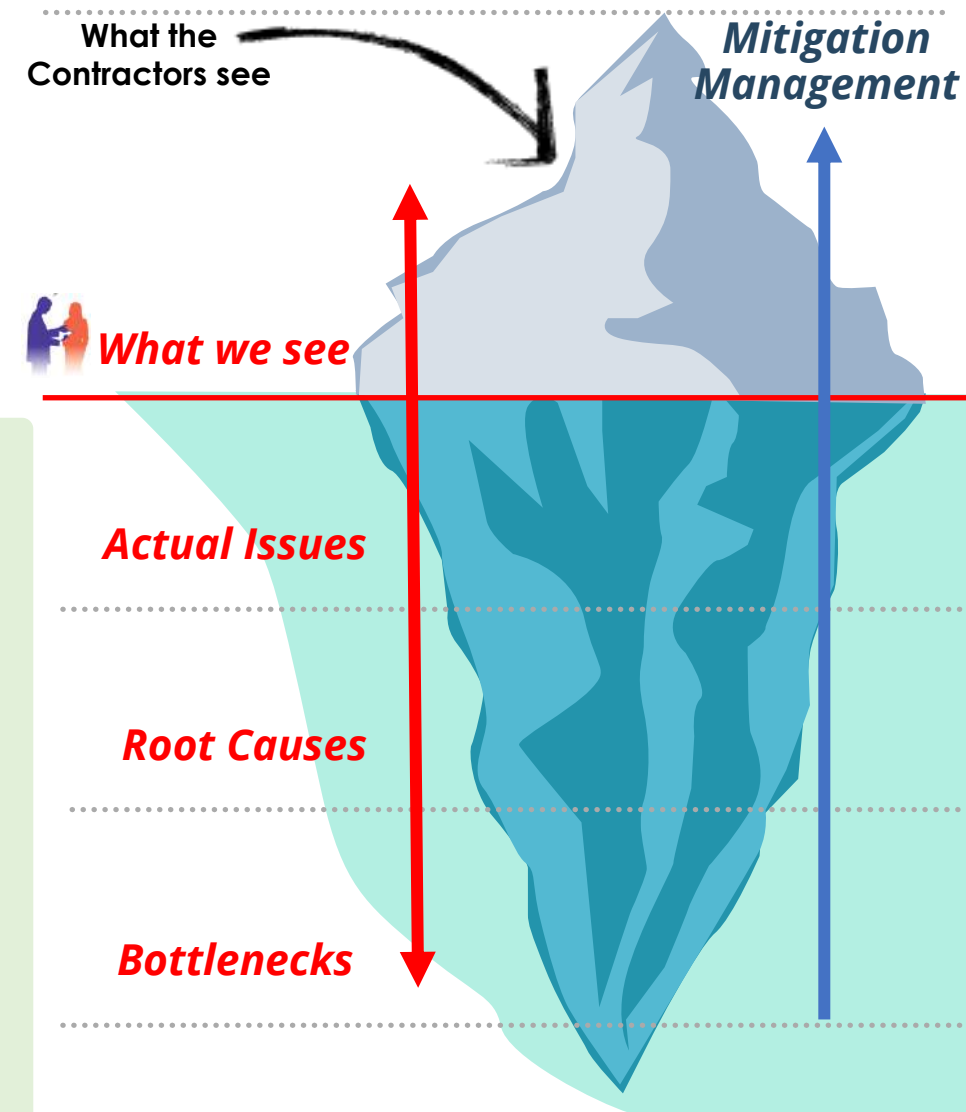
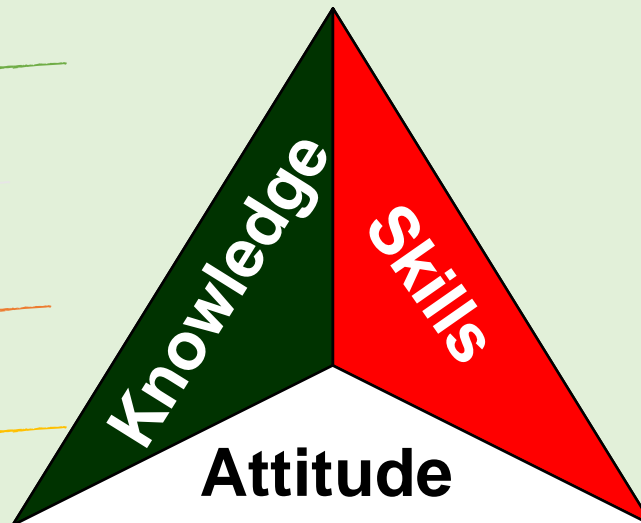
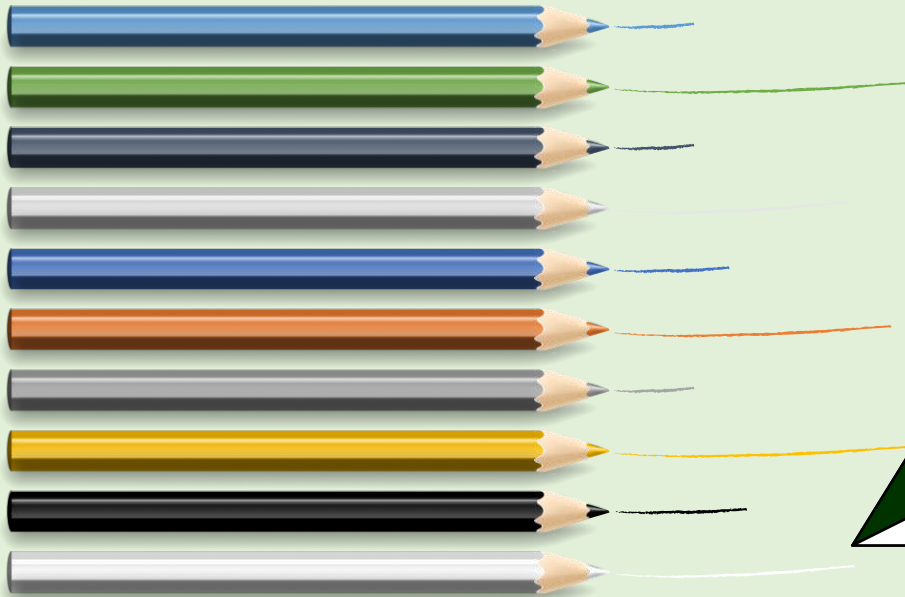


# WHAT i2R CAN DO FOR YOU

A fundamental strength of i2R Consulting is that we deliver high-quality services which account for our clients' operational and commercial priorities benefiting them to maximise their profitability.

The contractors and the construction specialist firms can call on us to secure their interests.

**We are Multifaceted team and operate services across all the important stages of a project lifecycle**







i2R comprises of highly qualified professionals who has rich expertise in domain knowledge and offer specialized services in the areas of Contract Management, Project Claims, Detailed Designs and Project Management.

i2R has created its niche by providing quality services with excellent turnaround time, competitive fees, and maximum client/partner attention on each of the project issues.

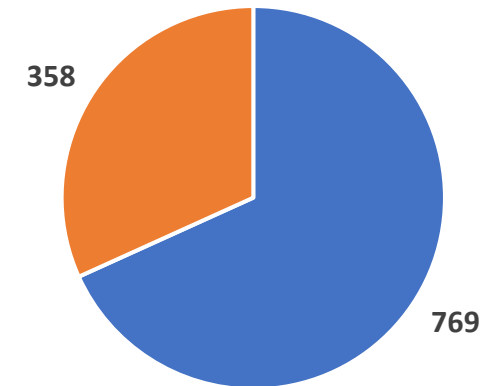
i2R brings a cumulative experience of more than 500 years of techno-commercial experience which helps its client on resolving the contractual issues and minimize the delay of the projects.

A recent article was published (↓ link below ↓) by the Govt. Of India that from the transport and highways sector has seen maximum number of delayed projects.

<https://www.livemint.com/news/india/transport-ministry-has-maximum-delayed-projects-govt-report-11671944667575.html>

Having a team such as i2R by the Clients side, allows to concentrate on execution, while i2R manages all the required paperwork.

## Highway Projects



■ No. of Projects ■ No. of Delayed Projects

## Highway Projects



Original Cost of 769 Projects Anticipated Cost of 769 Projects

■ Original Cost of 769 Projects ■ Anticipated Cost of 769 Projects



# OUR MANAGEMENT TEAM



- Krishna is the Founder & Director of i2R Consulting Pvt. Ltd. He has 28 years of experience in Infrastructure Sector.
- He worked as a CEO for an Indian subsidiary and later headed one of its Business Lines for international operations, based out of Head Quarters in France.
- His experience includes management, planning, design and construction supervision of very large / complex and challenging projects in Infrastructure, more specifically in transport Infrastructure



- Vincent a graduate from the French Ecole Polytechnique and from Ecole Nationale de l'Aeronautique et de l'Espace.
- He has 27 years of experience in Infrastructure Engineering in India and overseas.
- Managed international subsidiaries of French Infrastructure Majors like Veolia, Egis and APAVE.
- Hands-on experience in O&M of Infrastructure in Europe and Middle East.



- Ramlal a masters in Civil Engineering from NITW and PG Diploma in Alternate Dispute Resolution from NALSAR
- 28 years of Professional Experience in Construction and Management in India and Overseas
- An expert in Contract Management, especially in Infrastructure with PPP, EPC and FIDIC forms of contract.
- Hands on experience in dispute resolution for contracts in India and abroad



- Pattabhiram a postgraduate in Transportation Engineering with 27 years of Experience in Design and Construction of Roads in India and overseas.
- Is a certified PMP
- Managed design of more than 8,000 lane km of NHs/ SHs and 1,200 km of Access controlled Expressways
- Developed many applications in the field of Civil Engineering problems including Software for Complete Geometric Design of Highway (VS ROAD)



# OUR MANAGEMENT TEAM



- Bhaskar Rao a power sector professional with more than 39 years experience in management, planning & construction of large & complex power projects (both Coal & Gas based thermal projects executed by NTPC) of 200 and 500 MW capacities
- Worked in various capacities as Execution Engineer, Project Manager, O&M Manger and General Manager in NTPC
- Also, involved in Execution and commissioning of power projects at Senegal in West Africa.



- Srinivas Sarma a masters in Transportation Engineering from NIT-Warangal
- Over 30 years of Professional Experience in Construction and Management
- Served in Indian Railways, Chennai Metro and Nagpur Metro rail projects
- An expert in Project management, Contract Management, System Integration & Interface Management and Track works including Ballast less track forms



- Ilangoan has over 38 years' experience in Buildings, Metro Rail and Road projects.
- An expert in project execution and contract management.
- Associated with the Mumbai Metro One Pvt. Ltd., for the Implementation of contract for 12 metro stations.
- Worked on Chennai Metro Project



# OUR TEAM & VALUES



- Accountability by acknowledging and assuming complete ownership for our actions, services, decisions;
- Innovation by continually questioning assumptions, perusing details and pursuing new creative ideas to achieve excellence and add value to our clients;
- Empowerment by encouraging employees to take initiative and give the best by adopting an error-embracing environment; and
- Building strong relationships through openness, honesty, respect, collaboration and cooperation for our colleagues, our clients and associates.





# A FEW OF OUR CUSTOMERS



VASISHTA

adani



SLMI INFRAPROJECTS

PEAK  
INFRASTRUCTURE



BSLMI (JV)



Athaang  
INFRASTRUCTURE

KNR Projects VRC Construction

PSK - RITHWIK JV



S.P.K. AND Co.,



KINET

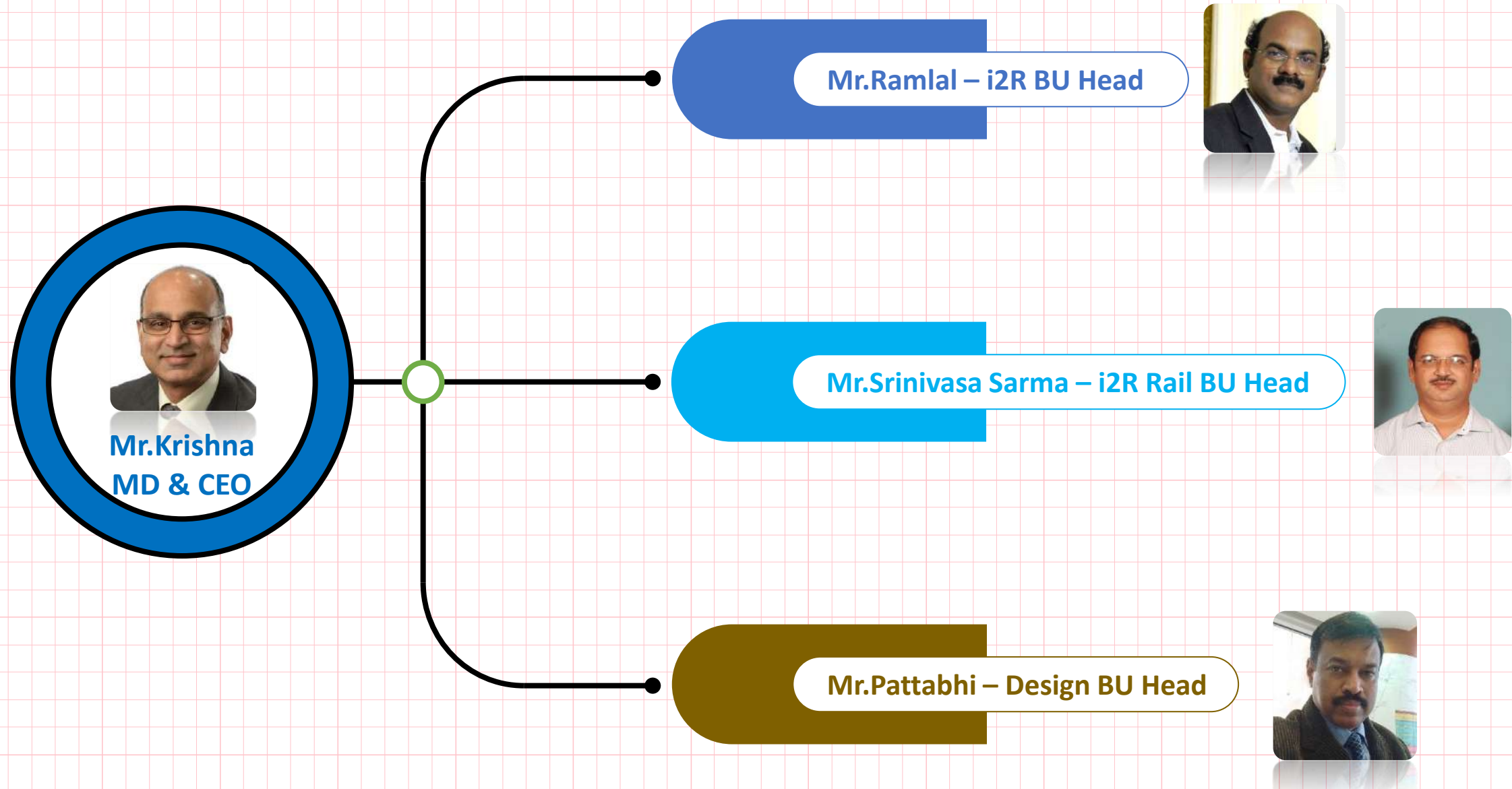


TSR Nirmaan Pvt Ltd  
BHAVANI CONSTRUCTIONS





# MULTI-DICIPLINARY TEAM

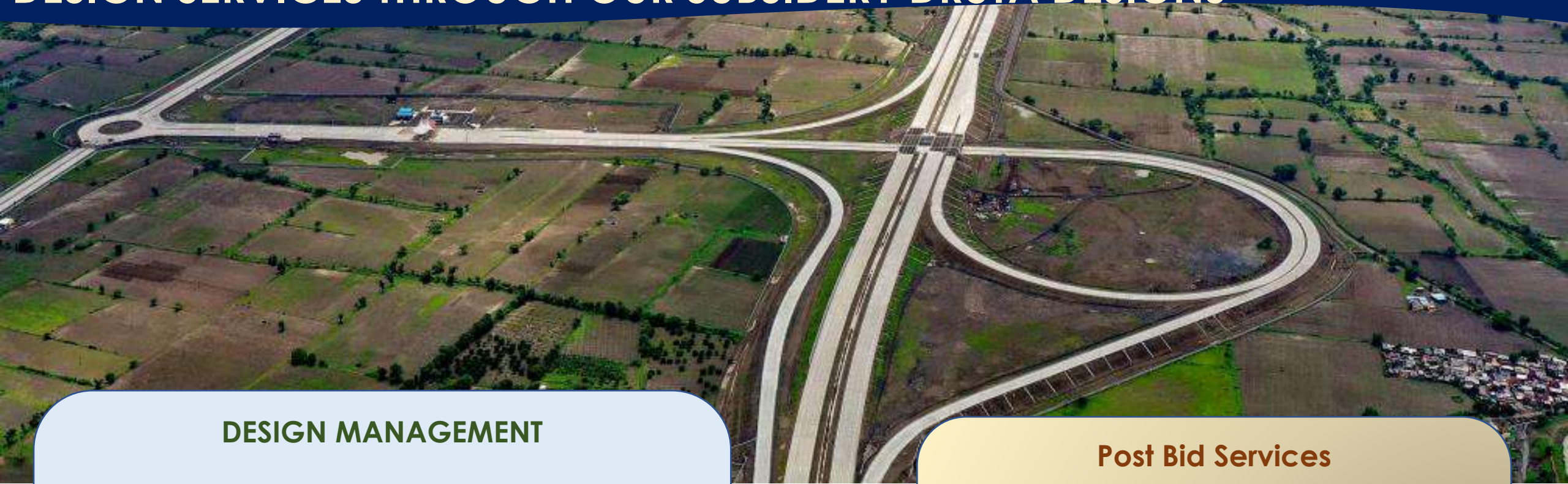






# OUR SERVICES

## DESIGN SERVICES THROUGH OUR SUBSIDIARY DRUTA DESIGNS



### DESIGN MANAGEMENT

- Pre-feasibility
- Feasibility
- Detailed Project Report
- Pre-bid Advisory Services
- Design Review and Proof Checking
- Life Cycle Costing
- Post Bid Services

### Post Bid Services

- Plan & Profile
- Road Cross sections
- Quantity Estimation
- 3D Modelling
- As-Built



# OUR SERVICES

## CONTRACT MANAGEMENT



i2R's team has right people for the scope, and our specialized professionals are dedicated to resolve the contract related issues pertaining to the given Agreement be it EPC, BOT, HAM etc.

At i2R the team is constantly updated with the various happenings in the industry, case studies, ministry circulars etc.

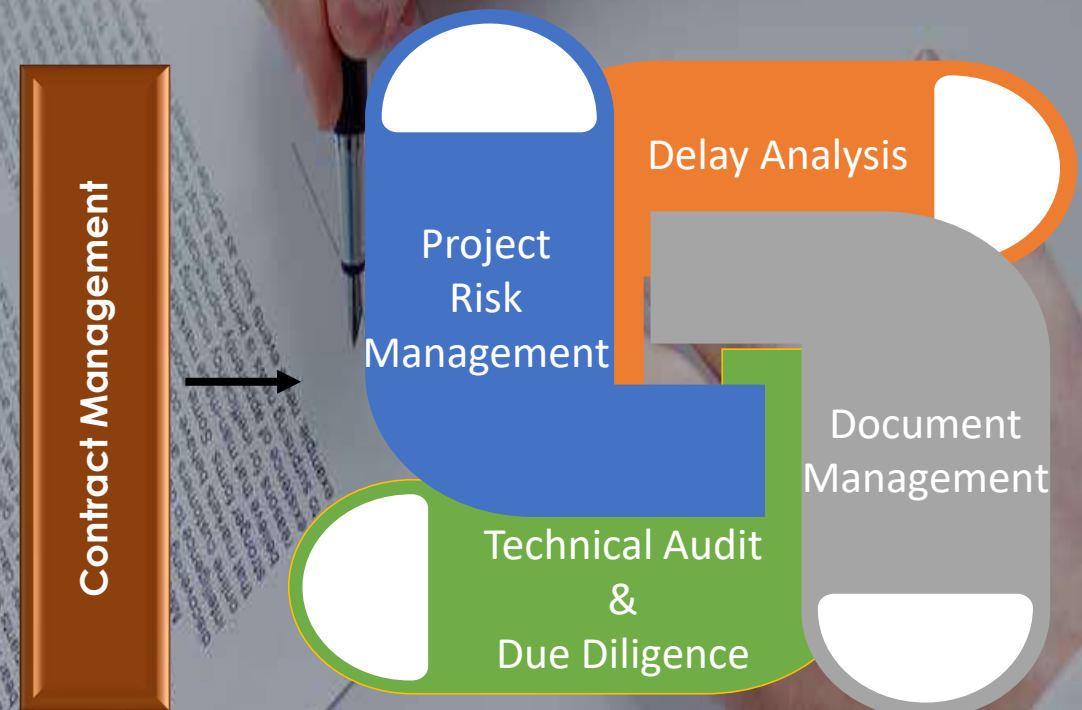
We have several and successful Arbitration Awards in our portfolio.

We are committed to provide high quality & cost-effective services with reasonable timelines to our Clients.

We take pride in the fact that most of our Clients end up being "Repeat Clients – a testimony for the trust developed on us for their Contract & Claims Management issues.

### Contract Management

- ✓ Day-to-day contract administration with Engineer and the Authority.
- ✓ Constant monitoring of projects
- ✓ Identify probable bottlenecks & suggest solutions
- ✓ Resolve contractual issues
- ✓ Draft correspondences with stakeholders
- ✓ Analyze issues & recommend suitable responses
- ✓ Review the correspondence & prepare appropriate cases
- ✓ Assist in streamlining the Contract Administration
- ✓ Liaise with legal consultants and the Authorities.
- ✓ Monthly Progress Reports.





# OUR SERVICES

## CONTRACT MANAGEMENT



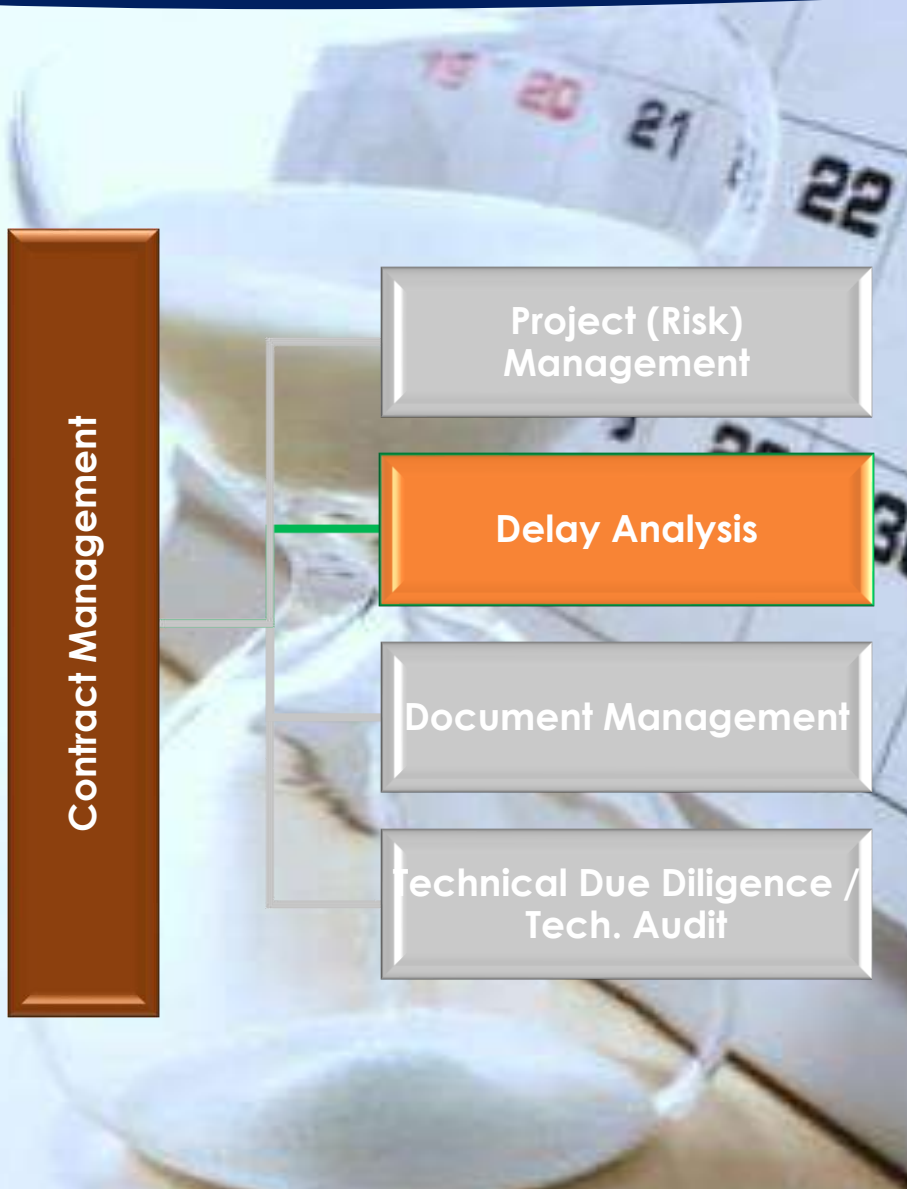
### Project Risk Management

- ✓ Construction Methodology
- ✓ Baseline Program (BSLP)
- ✓ Check the submitted BSLP using the standard assessment
- ✓ Identification & quantification of project bottlenecks
- ✓ Impacted program
- ✓ Extension of time program
- ✓ Time & Cost - Delay Analysis (excludes forensic delay analysis).
- ✓ Tracking of the Baseline program. Electronic Documentation Management (E-DMS)
- ✓ Monthly Progress Reports.
- ✓ Program of works (PoW)
- ✓ Strip Plans
- ✓ MIS Reporting
- ✓ Risk evaluation
- ✓ Stating effective measures of Risk control
- ✓ Monitoring of risk factors



# OUR SERVICES

## CONTRACT MANAGEMENT



### Delay Analysis

Projects often suffer from delays due to a wide variety of reasons, which has severe financial impact.

The analysis of the delay impact, the causes, and effects of the delaying activities is one of the most complicated types of claims analysis.

It requires an expert like i2R which has extensive knowledge of construction projects, means and methods, scheduling, and the ability to develop a sound methodology to conduct the analysis.

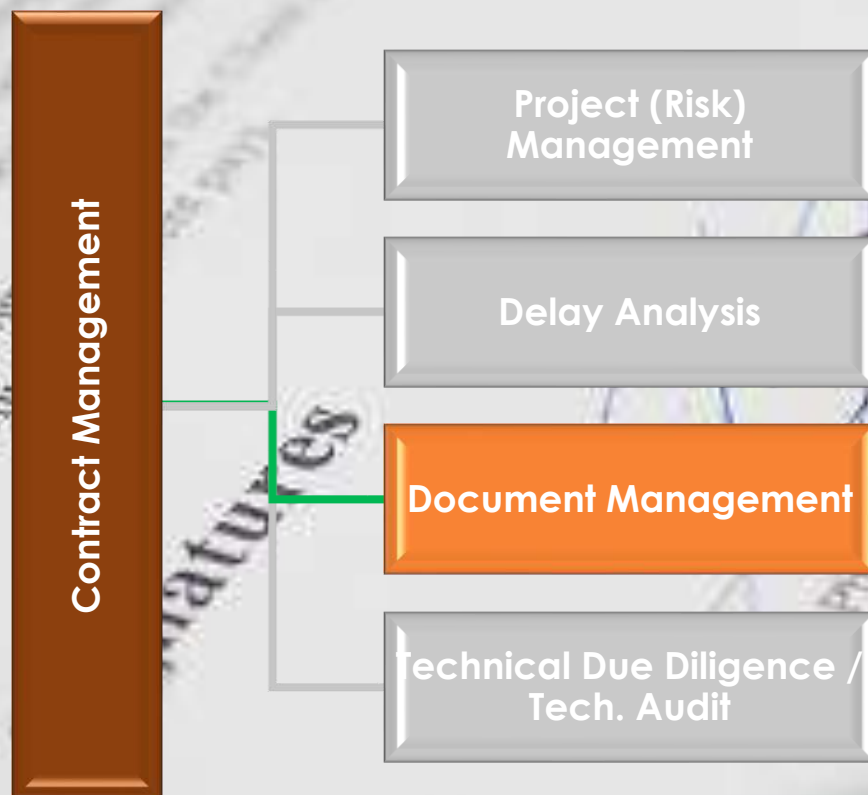
@ i2R, we follow the following internationally acclaimed and accepted methods based on the available data from the Client.

- ✓ Impacted-As-Planned (IAP) Analysis
- ✓ Time Impact Analysis (TIA)
- ✓ As Planned Vs As Built Analysis (APAB)



# OUR SERVICES

## CONTRACT MANAGEMENT




### Document Management

Contracting companies face issues on documents tracing such as where is the document? Why can't it be traced? What is taking so long to trace? How did the document got lost? Was the letter replied? Snapshot of the contractual details of a project, and so on...

We @i2R thought that there should be an application which should bridge this gap of communication among various stakeholders and therefore, came the idea of E-DMS development and implementation. E-DMS is designed to eliminate the chaos of documentation, tracking.

- ✓ E-DMS falls under the following Categories:
- ✓ Change Management (Version Control)
- ✓ Document Management
- ✓ File Sharing
- ✓ Issue Tracking
- ✓ Reporting


### Product Features




Document Access  
Simple, quick access  
No Chaotic file structure.




Document Retrieval  
Powerful Search content  
& Metadata




Document Security  
Have peace of mind with  
AWS



Device Independent  
Use the device you want  
to have



Version Control  
Tracking & Collaboration  
of documents

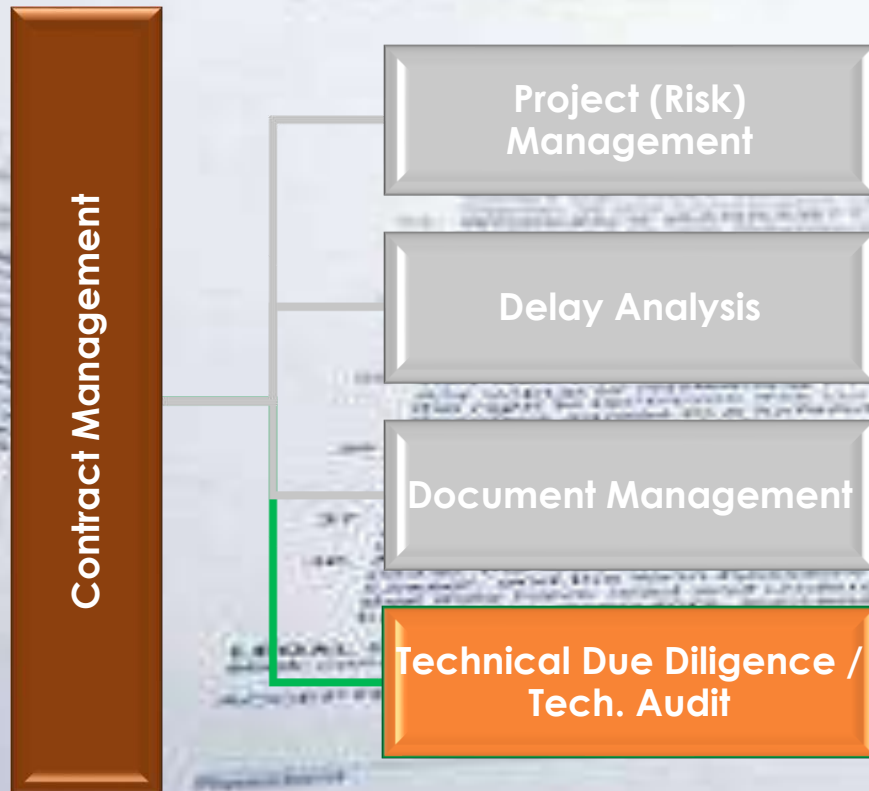


Document Workflow  
Automated processing  
of data



# OUR SERVICES

## CONTRACT MANAGEMENT



### Technical Due Diligence / Audits

i2R under its experts evaluates the preparedness of contractor in tackling the risk associated with time and cost overruns. This includes the following:

- ✓ Review of methodology for measuring the work
- ✓ Billing process
- ✓ Review of critical correspondences
- ✓ Submittal process
- ✓ Claim quantifications.
- ✓ Various reconciliations
- ✓ Change of Scope
- ✓ Quality
- ✓ Compliances based on various manuals & standards



# OUR SERVICES

## CLAIMS MANAGEMENT



i2R team for Claims Management provides their expert services in risk mitigation and dispute resolution to provide a comprehensive set of specialist services. The project scope of a construction project and the unique complex environment for each of the project, and other uncertainties often causes amplified costs & delays that lead to construction claims.

In such cases, the Claim Management Process kicks in. The process involves timely identification → analysis → quantification → report preparation → submission for settlement.

Few reasons to trigger Claims

- ✓ Changes in scope of work
- ✓ Delay in handing over
- ✓ Unforeseen site conditions
- ✓ Price escalation
- ✓ Statutory Approvals etc.

### Claim Management

Approach

Forensic & Disruption Delay  
Analysis

Prospective  
(Advance)

Retrospective  
(After)



# OUR SERVICES

## CLAIMS MANAGEMENT



### Claim Management

#### Approach

Forensic & Disruption Delay  
Analysis

Prospective  
(Advance)

Retrospective  
(After)

Receive Documents  
Segregate  
Categorize  
Client Interaction  
Site Visit  
Quantify  
Claim Preparation  
Submission  
Conciliation / Arbitration Notes  
SoC / SoD  
Technical inputs  
AT Proceedings

Approach

Settlement / Award  
Techno-legal Documentation



# OUR SERVICES

## CLAIMS MANAGEMENT



### Forensic & Disruption Delay Analysis

Forensic delay and disruption analysis, is used to investigate the events using CPM scheduling methods to establish the cause and extent of delays and to resolve construction delay claims through negotiations or legal proceedings.

i2R has a field of experts trained and experienced in CPM scheduling. The expert performs the analysis by evaluating the planned and actual results, the type of critical delay incurred, and activities leading to the disruptions & delay.

### Forensic Delay Methods

- ✓ Prospective (advance)
- ✓ Retrospective (after)
- ✓ Prospective methodologies such as Time impact , Impacted As Planned analyses predict the likely impact on the progress of the works
- ✓ Retrospective methodologies are those that seek to demonstrate the actual impact on the works

### Claim Management

#### Approach

#### Forensic & Disruption Delay Analysis

Prospective  
(Advance)

Retrospective  
(After)



# OUR SERVICES

## EXPERT WITNESS



### Expert Witness

Our expert services include:

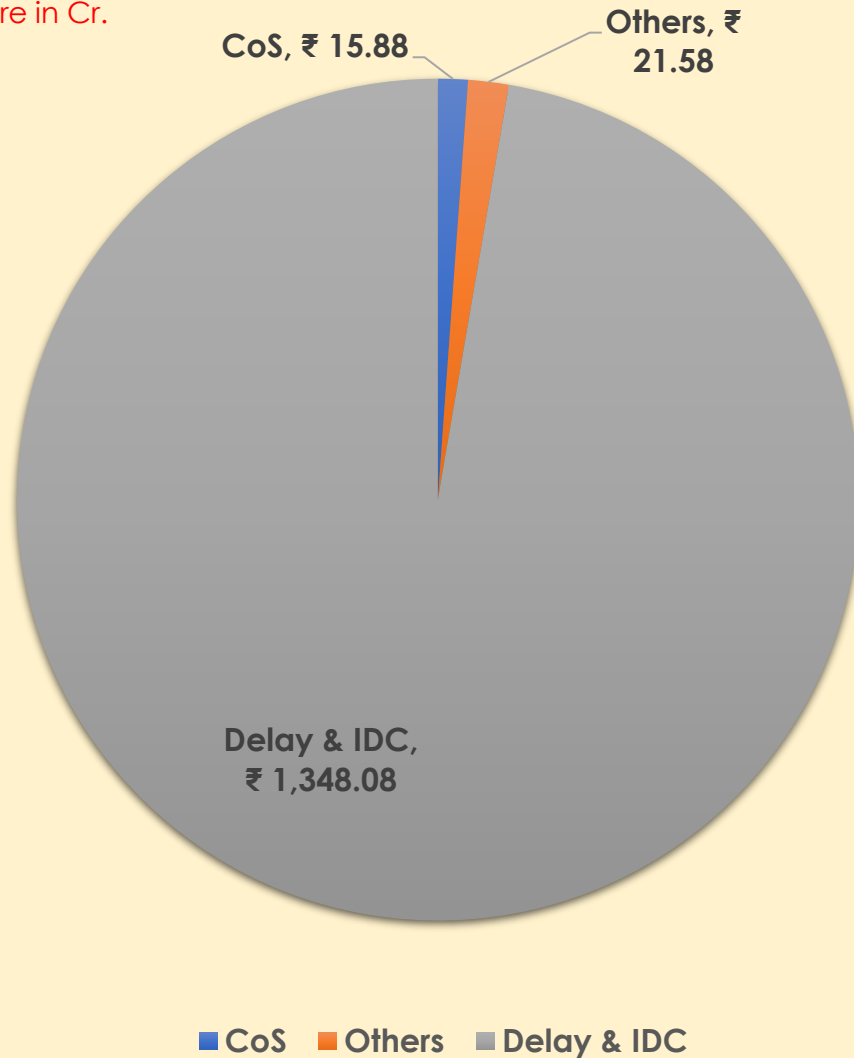
- ✓ Compliances to Contract
- ✓ Schedules
- ✓ Quantity Surveying
- ✓ Claim Quantification
- ✓ Techno-commercial advisory
- ✓ Time extensions



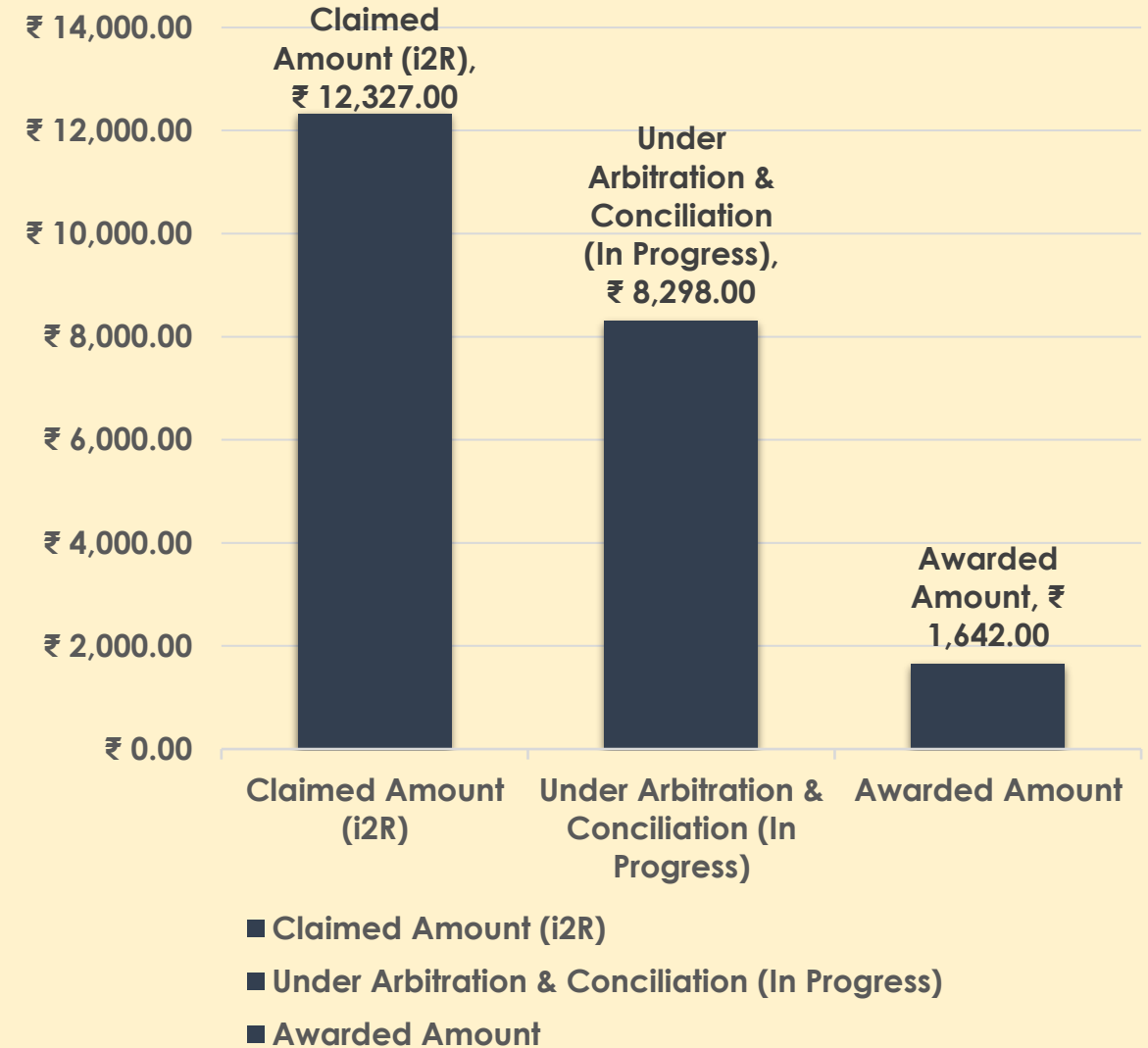


# KEY ATTAINMENTS & SUCCESS

All amounts are in Cr.



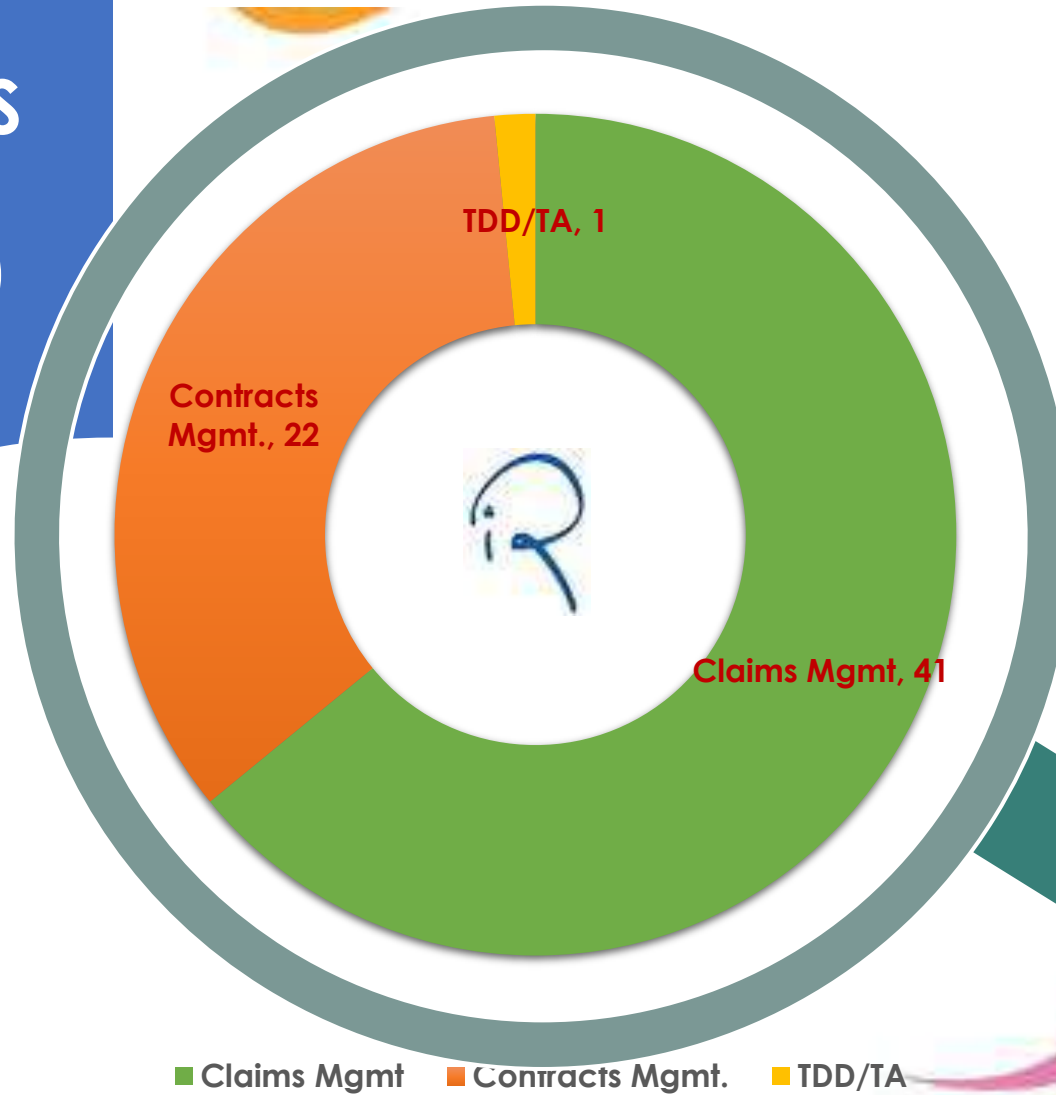
BROAD CLASSIFICATION OF CLAIMS **SUCCEEDED** BY i2R



**SUCCESS IN ARBITRATIONS > 85%**



## CURRENT ASSIGNMENTS BY SCOPE (In Numbers)

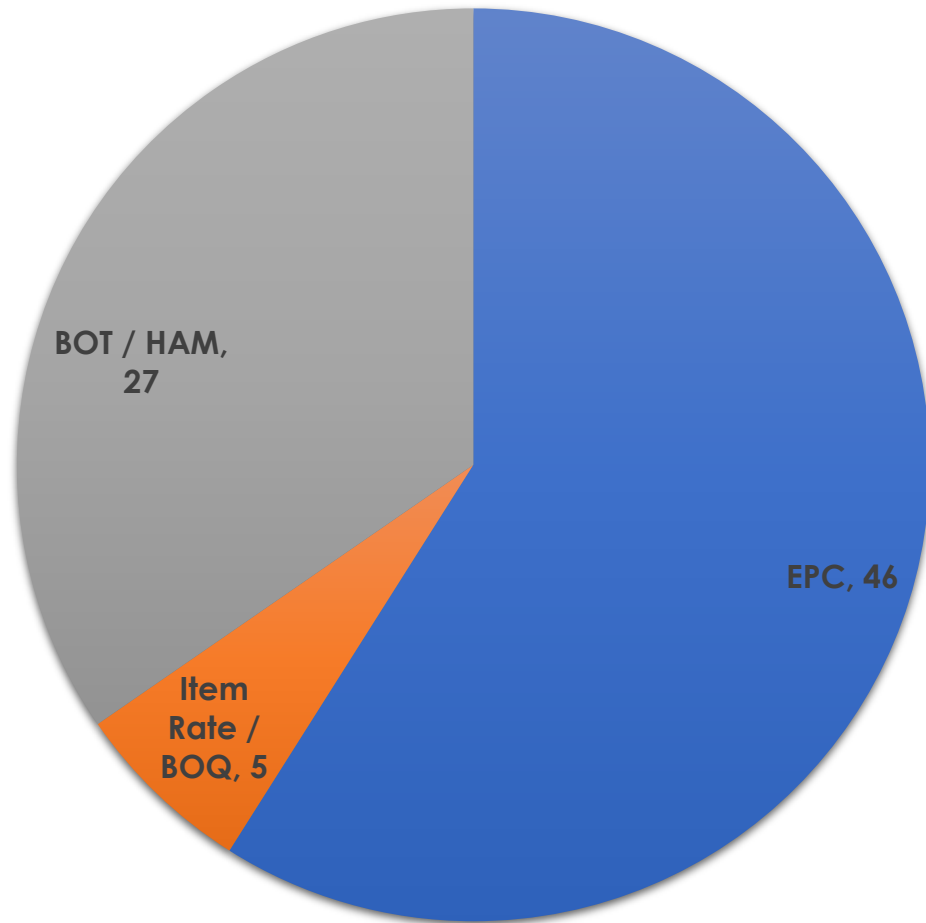


Total Value of works handled to date > Rs.27,000 Cr.



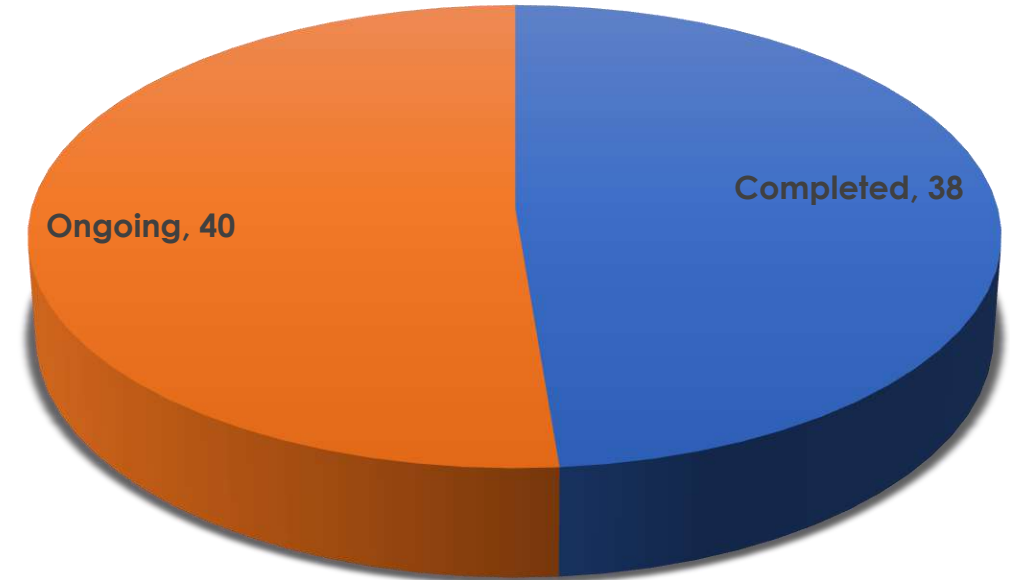


## NUMBER OF PROJECTS



*Expertise across all three types of Projects*

## ONGOING/COMPLETED







Singapore

France

Oman

**Work  
Experience of  
i2R Rail Team**

Sri Lanka

Qatar

Cambodia

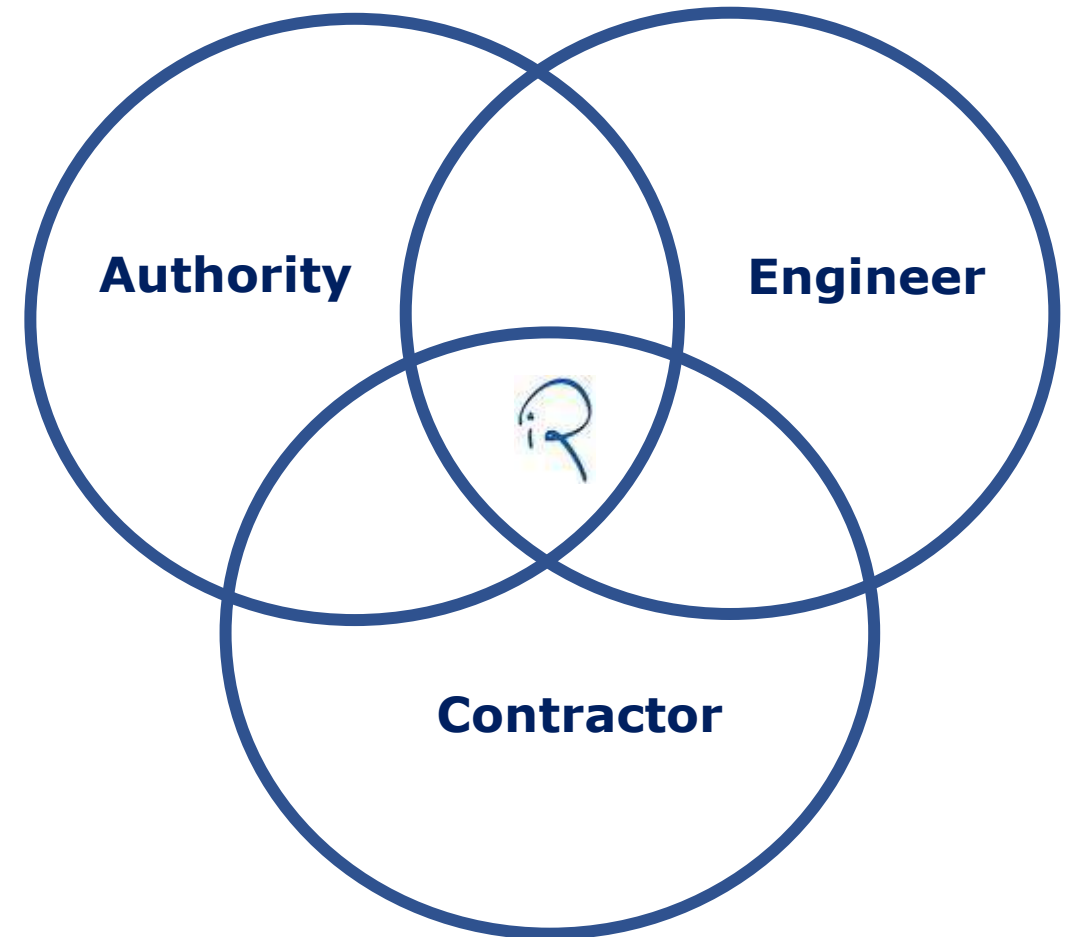
## Projects dealt by i2R Team

- DPR for Bus Rapid System Project - Bhopal
- DPR for Bus Rapid System Project – Delhi
- Delhi LRT Techno-Economic Feasibility Study
- ISA services of Delhi Metro Rail Project
- Chennai Metro Rail Project
- ISA services of Bangalore Metro Rail Project
- Kolkata Metro Rail Project
- Kochi Metro Rail Project
- Nagpur Metro Rail Project
- Hyderabad Metro Rail Project



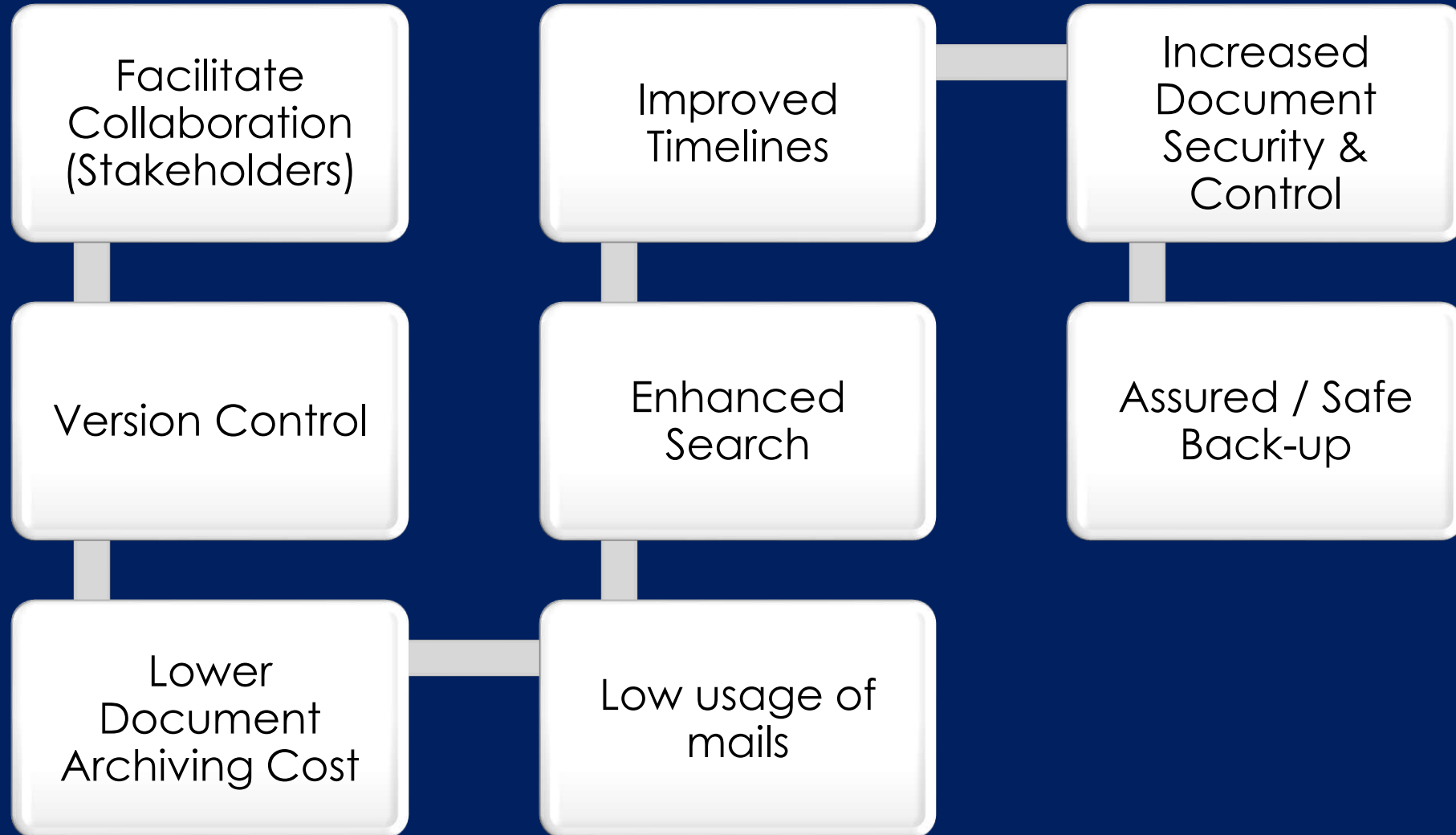
# IDEAS TRANSFORMING INTO REALITY

## i2R Project Document Management System





# i2R ELECTRONIC DOCUMENTATION SYSTEM (EDMS)







# i2R; EDMS (SCREENSHOTS)



**i2R Consulting Private Limited**  
*Transforming ideas into Reality*

Sign in to start your session

admin 


Password 


**Sign In** [I forgot my password](#)


Cloud Security - Amazon Web Services

com/dashboard

Control panel

663 Correspondence  More info

10 Clients  More info

1 Claims  More info

Cloud Security - Amazon Web Services

edms.group2r.com/administration/manage-project-types/

Manage Project Types

10 entries

Project Type	Status
BOT	Active
EPC	Active
BOQ	Active
HAM	Active
Lump Sum	Active

1 to 5 of 5 entries

Cloud Security - Amazon Web Services

Manage Projects

10 entries

Project Short Name	Project Code	Start Date	Chainage From	Chainage To
BATL	BATL	15-Feb-2013	088+000	239+000
Katara Marine Restaurant	KP/A267-A/16	08-Feb-2017		
GRR	SLMI-GORR-DPC-P011	15-Oct-2016	000+000	021+000
BDA-KMC	KMC-BDA-CCM-P015	04-Mar-2014		
Ner Chowk Pandoh	KMC-NCP-CM-036	14-Jan-2018	190+000	221+000
AU	KMC-TRI-CM-P008	15-Sep-2015	006+800	055+000
HORR-Medak - NH765D	Detail Missing	27-Apr-2018	000+000	062+000
Calicut project	not yet assigned	01-Sep-2018	230+400	258+000
Tirunelveli - Tenkasi	SPK-SH39-CM-039	01-Aug-2018	005+000	050+000
MRR	SPK-MRR-CM-038	17-Apr-2017	000+000	027+000

Cloud Security - Amazon Web Services

edms.group2r.com/correspondence/add-correspondence

Add Correspondence

Project Short Name \*

Subject \*

Category \*

Article Reference

Chainage From  Chainage To  Type

Letter Number \*  Letter Date \*

Source \*

Comments

Project Code

Received From \*

Specific Issue

Schedule Reference

☐ Contract Management ☐ Claims

Upload Letter \*  No files selected.

Upload Email  No files selected.

Upload RFI





# OUR CLIENT REVIEWS & ENDORSEMENTS



Date: 14.04.2023

We KMC Constructions Ltd. (KMC) has appointed M/s. i2R Consulting Pvt Ltd, having its office at Banjara Hills, Hyderabad-500034, for Providing Contracts and Claims Management Services for "Four Laning of Ner Chowk Pandoh Including Pandoh Bypass Section of NH-21 under NHDP-IVB in the State of Himachal Pradesh On EPC Basis (Design Length 26.290 km)".

It is certified that M/s. i2R Consulting Pvt Ltd is Professional in dealing Project matters in the most transparent and efficient Manner. I2R guidance on Systematic documentation and providing best contractual drafts moved the things with positive conclusions and their services are very much helpful in delivering our overall contractual obligations.

We express our pleasure and appreciation on quality services that we have been receiving since Mar'2018.

The performance of the company is satisfactory as a whole and our best wishes to M/s. i2R Consulting Pvt Ltd Company for their bright future and we look forward for long association.

Thanks & Regards,

A. R. Rajsekhar,  
Project Manager,  
KMC Constructions Ltd.  
Mandi, H.P.





# OUR CLIENT REVIEWS & ENDORSEMENTS



DATE : 11th January, 2021



## To Whom It May Concern

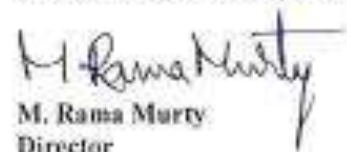
We developed a very good business relationship with i2R Consulting Pvt Ltd during one of our highway projects work for **CLAIMS MANAGEMENT / CONTRACT MANAGEMENT**.

We appreciate their technical expertise, attention to every detail and availability of their team at all times. Their ease in approach makes the works smoother and faster.

We strongly recommend i2R services in the fields of Contracts/Claims Management.

Wishing them all the best in their future endeavours.

for GVK Bagodara Vasad Expressway Pvt. Ltd

  
M. Rama Murty  
Director



Ref No: KMC/i2R/REF.....

We are very much satisfied with the excellent services provided by i2R Consulting Pvt. Ltd. towards Claims management of Rayalseema Expressway Pvt Ltd. All the possible claims within the provisions of the Concession Agreement were identified, continuously pursued through the process of disputing, conciliation and the Arbitration. They succeeded in winning the award in favour of us within a reasonable timeline.

Place: Hyderabad

Date: 02.02.2021

  
Managing Director  
KMC Constructions Ltd.







# OUR CLIENT REVIEWS & ENDORSEMENTS



R.  
Irulappasamy Thurai

**S.P.K. AND Co.,**

Hq. Off. 2/57, P.C. Middle Street, Keelamudmannarkottai, Kamuthi Taluk, Ramanad District - 623 603

Branch. Off. 1-1-63/7, S.P.K. Complex, Ananthapuri Nagar 2nd Street, Medurel Road, Anuppukottai - 625 101.

GST : 33ABXF95510P1ZG  
Tin No : 33685521308  
CST No : 516750 Dt : 25.02.2008  
Area Code : 283

12.01.2021

**TO WHOM SO EVER IT MAY CONCERN**

I2R Consulting Pvt Ltd. helped us in successfully dealing the contractual issues with the Authority/IE, achieving COD successfully and submission of all possible claims to the Authority for the Project of Widening of Madurai Ring Road from Double Lane to Four Lane from Km 0/0 to Km 27/2 in the State of Tamil Nadu under TNRIDC - BOT (Toll) Basis.

For SPK And Co

Managing Partner



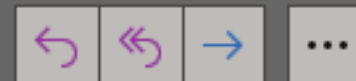
## Client Testimonial



R.R. Constructions & Infrastructure India Pvt. Ltd

To ☐ Krishna Nistala; ☐ Chunduri Ramlal

Cc ☒ Aditya Manapragada; ☐ Raghavendra Chary



Fri 08-01

Dear Sir,

"Our association with your company started in Aug'2019. We are extremely happy that your team has been doing a tremendous job in delivering Contractual/Technical letters at all times as a part of your Contract Management services. Your company is turning things around quickly, coming up with approaches and suggestions on your own on different initiatives. Especially your initiative drafts on COVID-19 relief measures and EOTs really moved the things faster with quick conclusions from Authority's end. We deeply appreciate your team efforts/commitment and we are exceptionally satisfied with your overall services. We feel that Companies like you would certainly contribute so much to this industry.

We wish your company a very bright future and we look forward for a strong and continued healthy business relations."





# OUR CLIENT REVIEWS & ENDORSEMENTS

## CLIENT TESTIMONIALS

“

Our search for the right consultant to handle our contractual and claims challenges ended with i2R on board. Their knowhow, expertise and professional approach has resolved and put us at ease on these challenges thus helping us in managing our projects...

**M V S Venkat Rao,**

CEO,

**SRK Projects Pvt. Ltd.**

”

To: Krishna Nistala <[krishna.nistala@groupi2r.com](mailto:krishna.nistala@groupi2r.com)>; Chunduri Ram Lal <[ramlal.c@groupi2r.com](mailto:ramlal.c@groupi2r.com)>; Raghavendra Venkatraman <[sankaran.venkatraman@groupi2r.com](mailto:sankaran.venkatraman@groupi2r.com)>  
Cc: 'Ayush Acharjee' <[ayush@apexpartners.in](mailto:ayush@apexpartners.in)>; 'Abhishek Aggarwal' <[abhishek@apexpartners.in](mailto:abhishek@apexpartners.in)>  
Subject: KMC Vs. NHIDCL: Agartala Udaipur Project

Dear Team,

Congratulations for yet another success story.

Thanks & Regards,



**Priyabrat Tripathy**

Partner

A 1/161, Safdarjung Enclave, New Delhi - 110029  
+91 9910382830; 011 - 40560826  
[priyabrat@apexpartners.in](mailto:priyabrat@apexpartners.in)  
[www.apexpartners.in](http://www.apexpartners.in)

## CLIENT TESTIMONIALS

”

"We had decided to hire i2R mainly to take advantage of expertise of i2R in contractual matters which would benefit our company in mitigating the contractual bottlenecks /issues from time to time and also submit timely claims to the employer...We would recommend i2R."

**Ramesh Singooru,**

Vice-President & Head-Operations, Urban Infrastructure & Special Structures, ERP and Internal Audit,  
**KMC Constructions Ltd.**

## CLIENT TESTIMONIALS

“

i2R has been a good fit for SLMI. They have a well-grounded and courteous team who understand our challenges to the core. Their in-depth knowledge of the infrastructure industry has been a strong guiding force in our projects, allowing us to scale-up our business...

**M Venkat Reddy,**

Managing Director,  
**SLMI Infraprojects Pvt. Ltd.**

”





Contact Us  
i2R Consulting Pvt Ltd  
8-2-601/1/B (Mega City 452)  
Rd No 10, Banjara Hills,  
Hyderabad, Telangana 500034.  
Office Number: +91 40 2335 4277



**Scan QR code to know more**



 **i2R Consulting Private Limited**  
*Transforming Ideas into Reality*

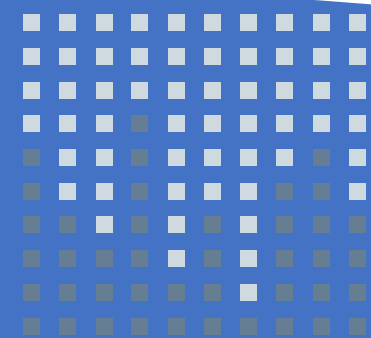




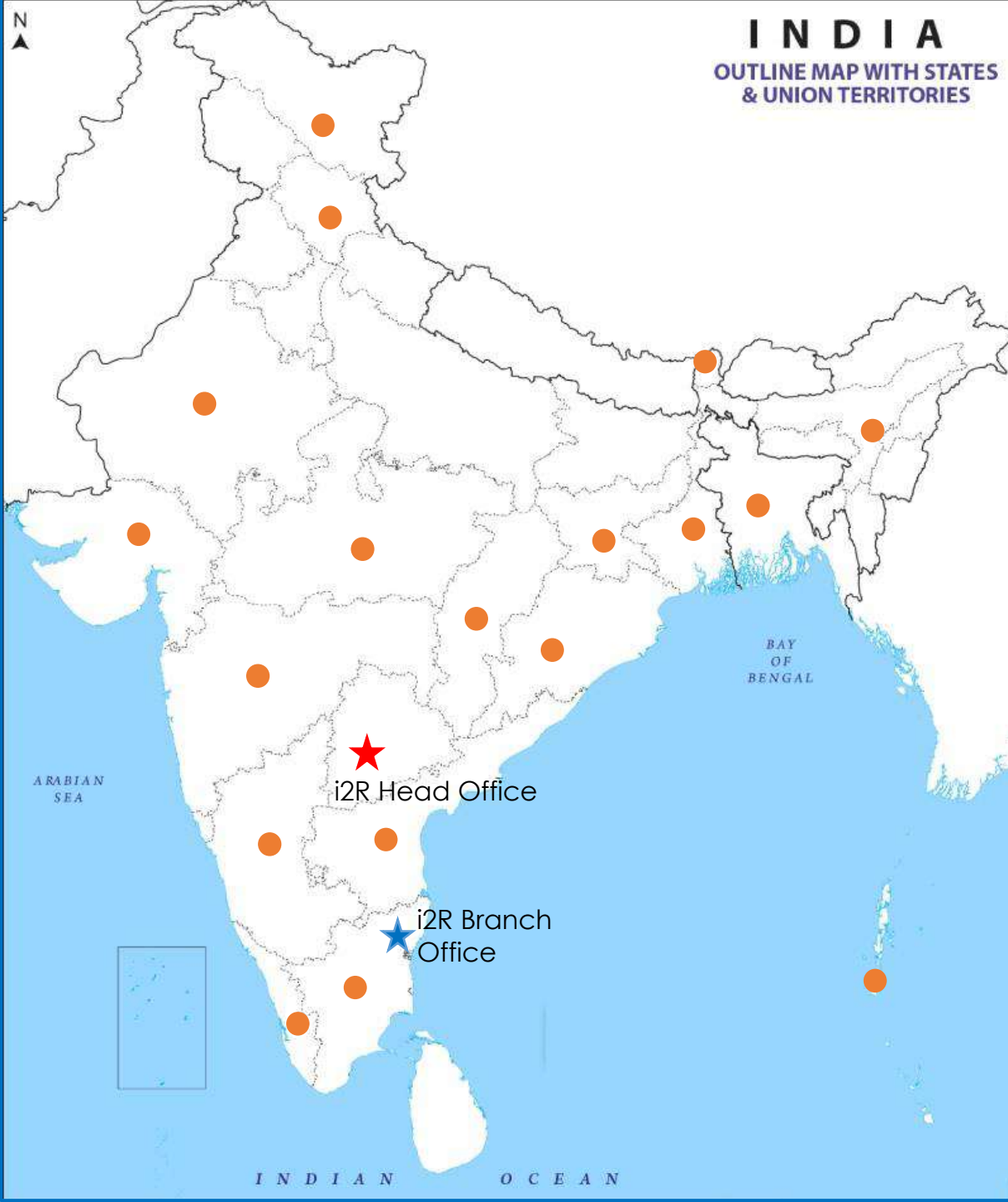


# Annexure

## Project Details







# i2R Reach

## Pan India & East Asia

i2R's team has right people for the scope, and our specialized professionals are dedicated to resolve the contract related issues pertaining to the given Agreement be it EPC, BOT, HAM etc.

At i2R the team is constantly updated with the various happenings in the industry, case studies, ministry circulars etc.

We have several and successful Arbitration Awards in our portfolio.

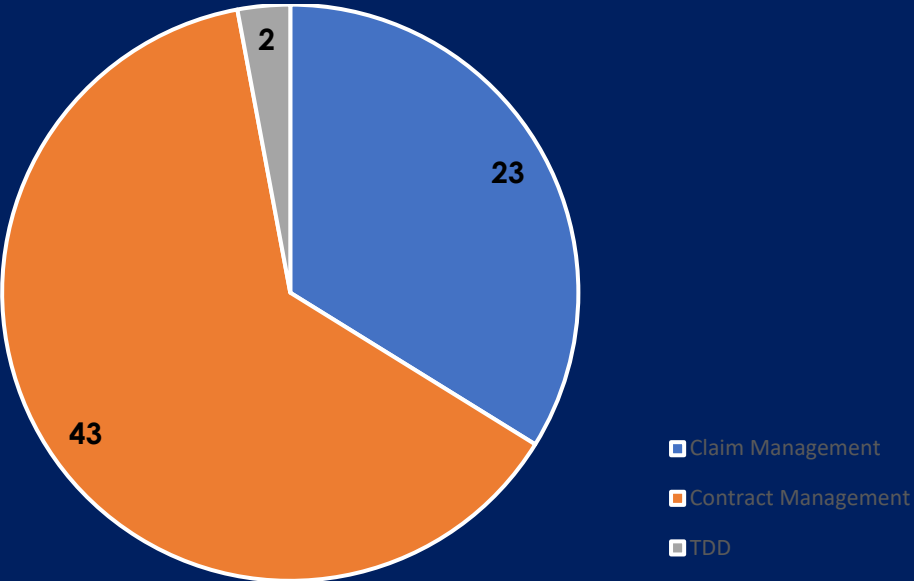
We are committed to provide high quality & cost-effective services with reasonable timelines to our Clients.

We take pride in the fact that most of our Clients end up being **"Repeat Clients"** – a testimony for the trust developed on us for their Contract & Claims Management issues.

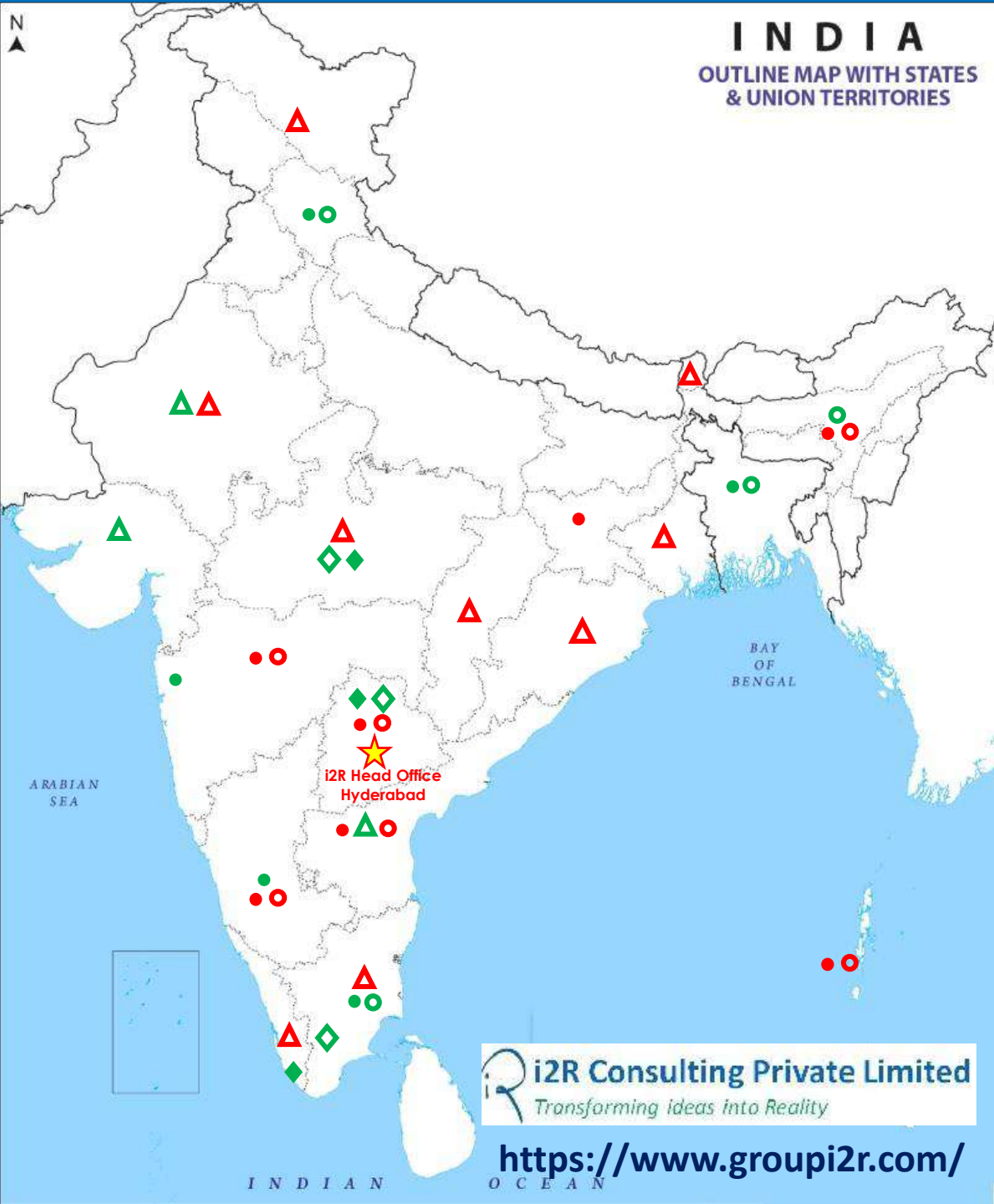


# i2R Services

## (Type Of Contracts - Completed Vs Ongoing)



Type	Services	On-going	Completed
EPC / Item Rate	CM	●	●
	CLM	○	○
PPP / BoT	CM	▲	▲
	CLM	△	△
HAM	CM	◆	◆
	CLM	◇	◇





## A Few Of Our Key Projects

S/N	Project Short Name	Type	Service
1	Widening and strengthening of existing 2-lane carriageway on Hyderabad to Tokapalle section of NH-765	EPC	Claims
2	Nakrekal to Nagarjunasagar section of NH-565	EPC	Project Management, Contracts & Claims
3	Six laning of Existing Kozhikode Bypass (i.e., Vengalam Jn. To Ramanattukara Jn.) of NH-66	HAM	Project Management, Contracts & Claims
4	Nanasa to Pidgaon section of NH-47 Package-III (Indore-Harda)	HAM	Project Management, Contracts & Claims
5	"Construction of 8-lane carriageway on PKG-10 (Delhi-Vadodara/NH-148N/AE/Pkg4)"	EPC	Project Management, Contracts & Claims
6	First Dhaka Elevated Expressway (FDEE)	PPP	Contracts Management
7	Pre Tender and Post Tender activities for Construction of Versova Bandra Sea Link (VBSL) on Engineering, Procurement and Construction (EPC) Basis	EPC	Supervision



## A Few Of Our Key Projects

S/N	Project Short Name	Type	Service
8	Four laning of Cuddapah-Kurnool section of NH-18 under NHDP-Phase III	BoT	Claims
9	6-laning of Vadakkanchery-Thrissur section of NH47	BoT	Project Management Contracts & Claims
10	Four Laning of Krishnagar-Baharampore section of NH 34 under NHDP Phase III	BoT	Claims
11	Two laning with paved shoulder of Agartala-Udaipur section SARDP-NE Phase 'A'	EPC	Contracts Claims
12	Four Laning of Narketpally - Addanki - Medarametala Road	BoT	Claims
13	6 laning of the existing 3-lanes of Bagodara-wataman-Vasad Road	BoT	Claims
14	NH-67 (Atmakur to Nellore section) under NHDP-IV	EPC	Claims
15	Nadaprabhu Kepme Gowda layout (Package-I)	Item Rate	Contracts Claims



**End of Annexure**



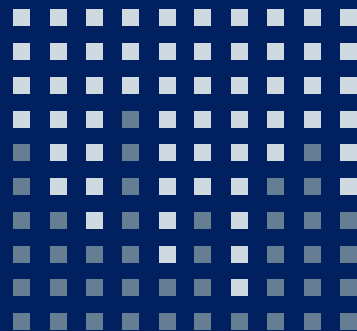
<https://www.linkedin.com/company/i2r-consulting-pvt.-ltd./?viewAsMember=true>



<https://www.facebook.com/groupi2r>



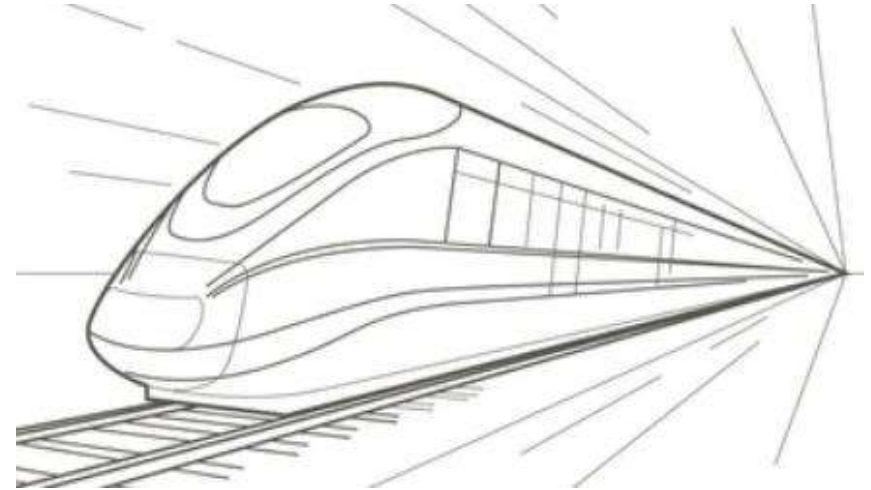
<https://twitter.com/Groupi2R>







**i2R** Rail Infra Systems Private Limited  
TRANSFORMING  
Ideas Into Reality



# i2R RAIL INFRA SYSTEMS PROFILE



# ABOUT i2R



**i2R CONSULTING** is established to provide specialized services to the Construction and Engineering sector. We have projects pan India and South Asia.

We decode the complexity of the project to manage the risk, mitigation, uncertainty, and disputes so as to achieve the best possible outcomes for our Clients all the time.

**Clients Leveraged expertise of i2R To Support their Legal Teams and To Close Contractual Issues Faster, thereby greatly improving the Project Economics**

- Area of expertise include **metro rail & railways, roads/highways and urban infrastructure.**
- Competent team > 500 years cumulative experience in the mentioned services put together.
- Involved in projects worth more than USD 4400 million

## A FEW OF OUR CUSTOMERS





# MULTI-DICIPLINARY TEAM



## i2R Consulting



Mr. Ramlal  
i2R BU Head

## Group i2R



Mr. Krishna  
MD & CEO

## i2R Rail Infra & Systems



Mr. Srinivasa Sarma  
Rail BU Head

## Druta Designs



Mr. Pattabhiram  
Design BU Head

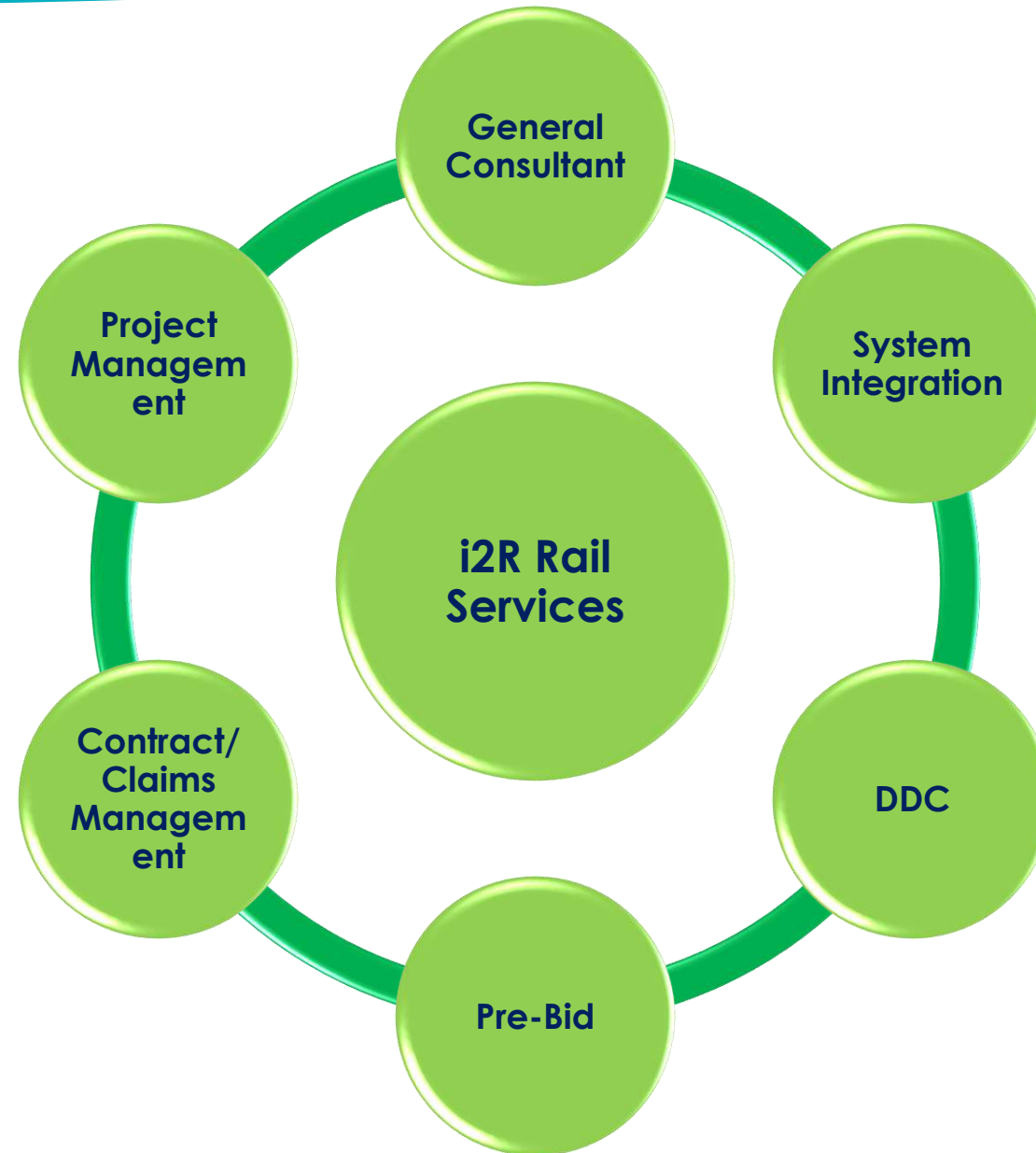


# OUR TEAM & VALUES



- Accountability by acknowledging and assuming complete ownership for our actions, services, decisions;
- Innovation by continually questioning assumptions, perusing details and pursuing new creative ideas to achieve excellence and add value to our clients;
- Empowerment by encouraging employees to take initiative and give the best by adopting an error-embracing environment; and
- Building strong relationships through openness, honesty, respect, collaboration and cooperation for our colleagues, our clients and associates.







# PROJECTS DEALT BY TEAM i2R RAIL



## Projects dealt by i2R Team

- DPR for Bus Rapid System Project - Bhopal
- DPR for Bus Rapid System Project – Delhi
- Delhi LRT Techno-Economic Feasibility Study
- ISA services of Delhi Metro Rail Project
- Chennai Metro Rail Project
- ISA services of Bangalore Metro Rail Project
- Kolkata Metro Rail Project
- Kochi Metro Rail Project
- Nagpur Metro Rail Project
- Hyderabad Metro Rail Project





# CONTRACTS MANAGEMENT

i2R's team has right people for the scope, and our specialized professionals are dedicated to resolve the contract related issues pertaining to the given Agreement be it EPC, BOT, HAM, Item Rate etc.

At i2R the team is constantly updated with the various happenings in the industry, case studies, ministry circulars etc.

We have several and successful Arbitration Awards in our portfolio.  
We are committed to provide high quality & cost-effective services with reasonable timelines to our Clients.

We take pride in the fact that most of our Clients end up being “Repeat Clients – a testimony for the trust developed on us fore their Contract & Claims Management issues.



## Contract Management

- ✓ Day-to-day contract administration with Engineer and the Authority.
- ✓ Constant monitoring of projects
- ✓ Identify probable bottlenecks & suggest solutions
- ✓ Resolve contractual issues
- ✓ Draft correspondences with stakeholders
- ✓ Analyze issues & recommend suitable responses
- ✓ Review the correspondence & prepare appropriate cases
- ✓ Assist in streamlining the Contract Administration
- ✓ Liaise with legal consultants and the Authorities.
- ✓ Monthly Progress Reports.





## Contract Management

### Project (Risk) Management

### Delay Analysis

### Document Management

## Project Risk Management

- ✓ Construction Methodology
- ✓ Baseline Program (BSLP)
- ✓ Check the submitted BSLP using the standard assessment procedure.
- ✓ Identification & quantification of project bottlenecks
- ✓ Impacted program
- ✓ Extension of time program
- ✓ Time & Cost - Delay Analysis (excludes forensic delay analysis).
- ✓ Tracking of the Baseline program.
- ✓ Electronic Documentation Management (E-DMS)
- ✓ Monthly Progress Reports.
- ✓ Program of works (PoW)
- ✓ MIS Reporting
- ✓ Risk evaluation
- ✓ Stating effective measures of Risk control
- ✓ Monitoring of risk factors





## Delay Analysis

Projects often suffer from delays due to a wide variety of reasons, which has severe financial impact.

The analysis of the delay impact, the causes, and effects of the delaying activities is one of the most complicated types of claims analysis.

It requires an expert like i2R which has extensive knowledge of construction projects, means and methods, scheduling, and the ability to develop a sound methodology to conduct the analysis.

@ i2R, we follow the following internationally acclaimed and accepted methods based on the available data from the Client.

- ✓ Impacted-As-Planned (IAP) Analysis
- ✓ Time Impact Analysis (TIA)
- ✓ As Planned Vs As Built Analysis (APAB)





# CONTRACTS MANAGEMENT









## Document Management

Contracting companies face issues on documents tracing such as where is the document? Why can't it be traced? What is taking so long to trace? How did the document got lost? Was the letter replied? Snapshot of the contractual details of a project, and so on... We @i2R thought that there should be an application which should bridge this gap of communication among various stakeholders and therefore, came the idea of E-DMS development and implementation. E-DMS is designed to eliminate the chaos of documentation, tracking.

- ✓ E-DMS falls under the following Categories:
- ✓ Change Management (Version Control)
  - ✓ Document Management
  - ✓ File Sharing
  - ✓ Issue Tracking
  - ✓ Reporting

## Product Features

 <b>Document Access</b> Simple, quick access No Chaotic file structure.	 <b>Document Retrieval</b> Powerful Search content & Metadata	 <b>Document Security</b> Have peace of mind with AWS
 <b>Device Independent</b> Use the device you want to have	 <b>Version Control</b> Tracking & Collaboration of documents	 <b>Document Workflow</b> Automated processing of data





i2R team for Claims Management provides their expert services in risk mitigation and dispute resolution to provide a comprehensive set of specialist services. The project scope of a construction project and the unique complex environment for each of the project, and other uncertainties often causes amplified costs & delays that lead to construction claims.

In such cases, the Claim Management Process kicks in. The process involves timely identification → analysis → quantification → report preparation → submission for settlement.

Few reasons to trigger Claims

- ✓ Changes in scope of work
- ✓ Delay in handing over
- ✓ Unforeseen site conditions
- ✓ Price escalation
- ✓ Statutory Approvals etc.

## Claim Management

Approach

Forensic & Disruption Delay  
Analysis

Prospective  
(Advance)

Retrospective  
(After)





# CLAIMS MANAGEMENT

Claim Management

Approach

Forensic & Disruption Delay Analysis

Prospective  
(Advance)

Retrospective  
(After)

- Receive Documents
- Segregate
- Categorize
- Client Interaction
- Site Visit
- Quantify
- Claim Preparation
- Submission
- Conciliation / Arbitration Notes
- SoC / SoD
- Technical inputs
- AT Proceedings



Settlement / Award  
Techno-legal Documentation





## Forensic & Disruption Delay Analysis

Forensic delay and disruption analysis, is used to investigate the events using CPM scheduling methods to establish the cause and extent of delays and to resolve construction delay claims through negotiations or legal proceedings.

i2R has a field of experts trained and experienced in CPM scheduling. The expert performs the analysis by evaluating the planned and actual results, the type of critical delay incurred, and activities leading to the disruptions & delay.

## Forensic Delay Methods

- ✓ Prospective (advance)
- ✓ Retrospective (after)
- ✓ Prospective methodologies such as Time impact , Impacted As Planned analyses predict the likely impact on the progress of the works
- ✓ Retrospective methodologies are those that seek to demonstrate the actual impact on the works

## Claim Management

### Approach

### Forensic & Disruption Delay Analysis

Prospective  
(Advance)

Retrospective  
(After)





## i2R Rail Reach - Pan India

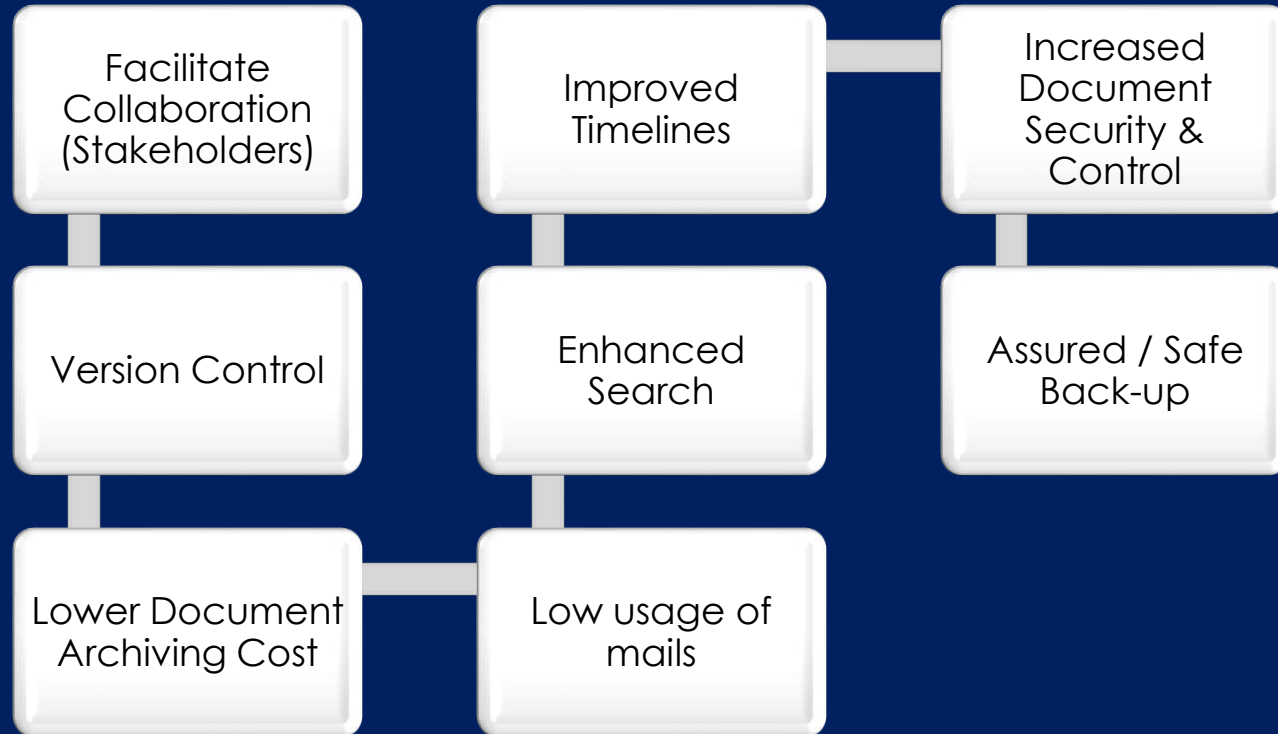
S/N	Assignment Name	Client	Services	Status
1	RVNL Project Usargaon to Bhimsen station on Jhansi Division	SEW-ETF-AIL JV	Claims	Ongoing
2	Ghaziabad and Sahibabad Stations of Delhi -Meerut RRTS Project	KEC International	Claims	Closed
3	Surat Metro Rail Project, Phase-I	J Kumar Infraprojects Limited(JKIL)	Contracts & Claims	Ongoing
4	Road Over Bridges (ROBs) at 7 Locations (Nagpur- Amla) of MRIDC	KEC International	Claims	Ongoing
5	Sub-urban Rail Project For K-RIDE	Associates to GC (JV)	GC	Ongoing



# i2R ELECTRONIC DOCUMENTATION SYSTEM (EDMS)



**Enhanced  
Productivity**



## PRODUCT FEATURES



**Document Access**  
Simple, quick access  
No Chaotic file structure.



**Document Retrieval**  
Powerful Search content & Metadata



**Device Independent**  
Use the device you want to have



**Document Security**  
Have peace of mind with AWS



**Version Control**  
Tracking & Collaboration of documents



**Document Workflow**  
Automated processing of data



Contact Us  
i2R Consulting Pvt Ltd  
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Rd No 10, Banjara Hills,  
Hyderabad, Telangana 500034.  
Office Number: +91 40 2335 4277



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 **i2R Consulting Private Limited**  
*Transforming Ideas into Reality*







*Druta Designs*

*iR* i2R Consulting Private Limited  
*Transforming ideas into Reality.*



Tel : +91 40 2335 4277

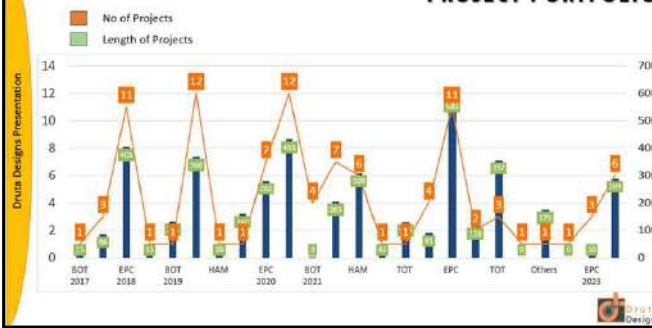
Email : [contact@groupi2r.com](mailto:contact@groupi2r.com)



### SERVICES OFFERED

- Concept Designs
- Feasibility Studies
- Detailed Designs for Roads and Bridges
- Pretender Assistance
- Clash Analysis using Building Information Modelling (BIM)

### PROJECT PORTFOLIO



### NER CHOWK — PANDOH (HIMACHAL PRADESH)

- Four lining of Ner Chowk — Pandoh including Pandoh Bypass section of NH-21 (Package-I from Km 190.000 to Km 221.305) ; NHDP-IVB in the State of Himachal Pradesh on EPC basis.
- Authority: NHAI
- EPC Contractor: KMC Constructions Ltd
- Project Cost: **873 Crore**
- Construction Period – 30 Months
- Design Length : 26.290Km (including Twin Tunnel- 3 nos- 2.283km in Bypasses
- Bypasses 2 nos. -13.161km
- Existing Alignment: 2Lane -13.129km



### TEAM



### DESIGN MANAGEMENT





# SERVICES OFFERED

Concept Designs

Feasibility Studies

Detailed Designs for Roads and Bridges

Pretender Assistance

Clash Analysis using Building Information Modelling (BIM)



# PROJECT MANAGEMENT (I2R)



Design  
Management



Project Risk  
Management



Contract  
Management



Claims  
Management



IT Tools &  
Applications



# ACHIEVEMENTS

Detailed Design	49 Projects
Pretender services	52 Projects
Proof Checking	2 Projects

Total length of Design services	1374 Km
6-Lane Expressway	65 Km
6-Lane Highway	204 Km
4-Lane Expressway	31 Km
4-Lane Highway	496 Km
2-Lane Highway	578 Km



# OUR CLIENTS



BSLMI (JV)

adani™



VDB



SP-ALR-SA (JV)



LANCO- RITWIK JV



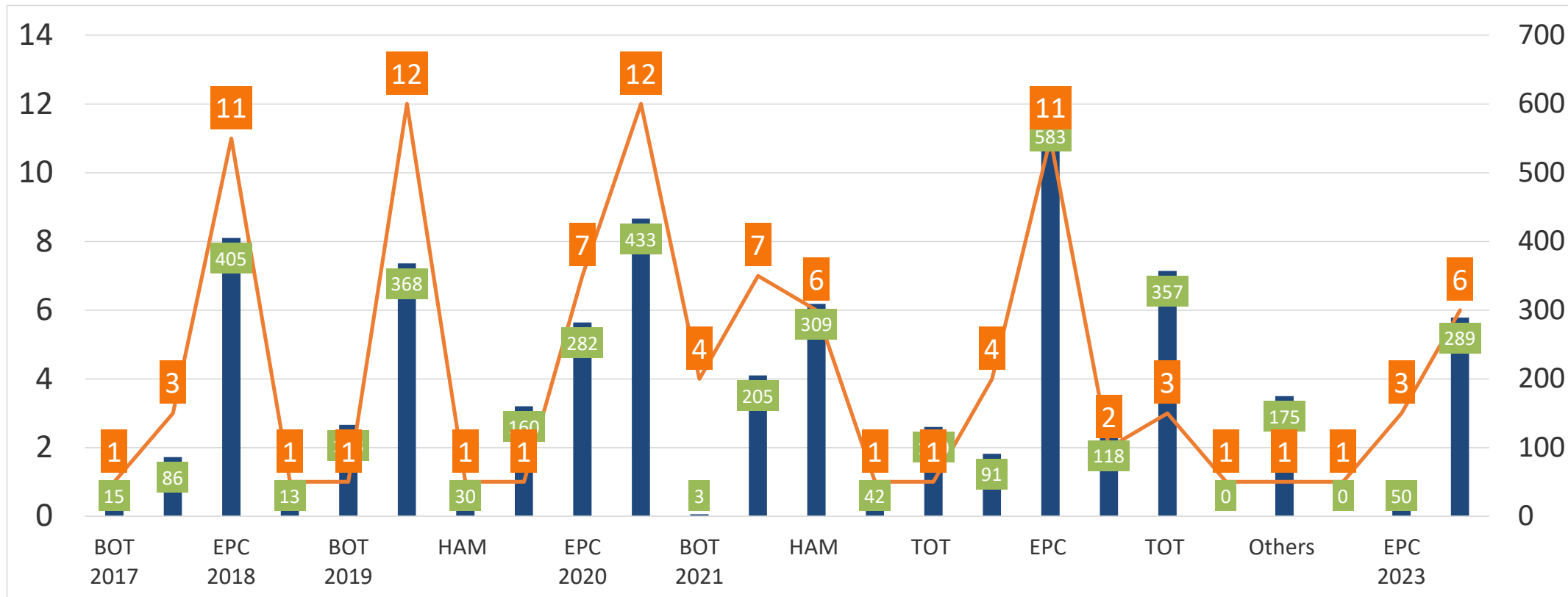
PSK - RITHWIK JV





# PROJECT PORTFOLIO

No of Projects  
Length of Projects



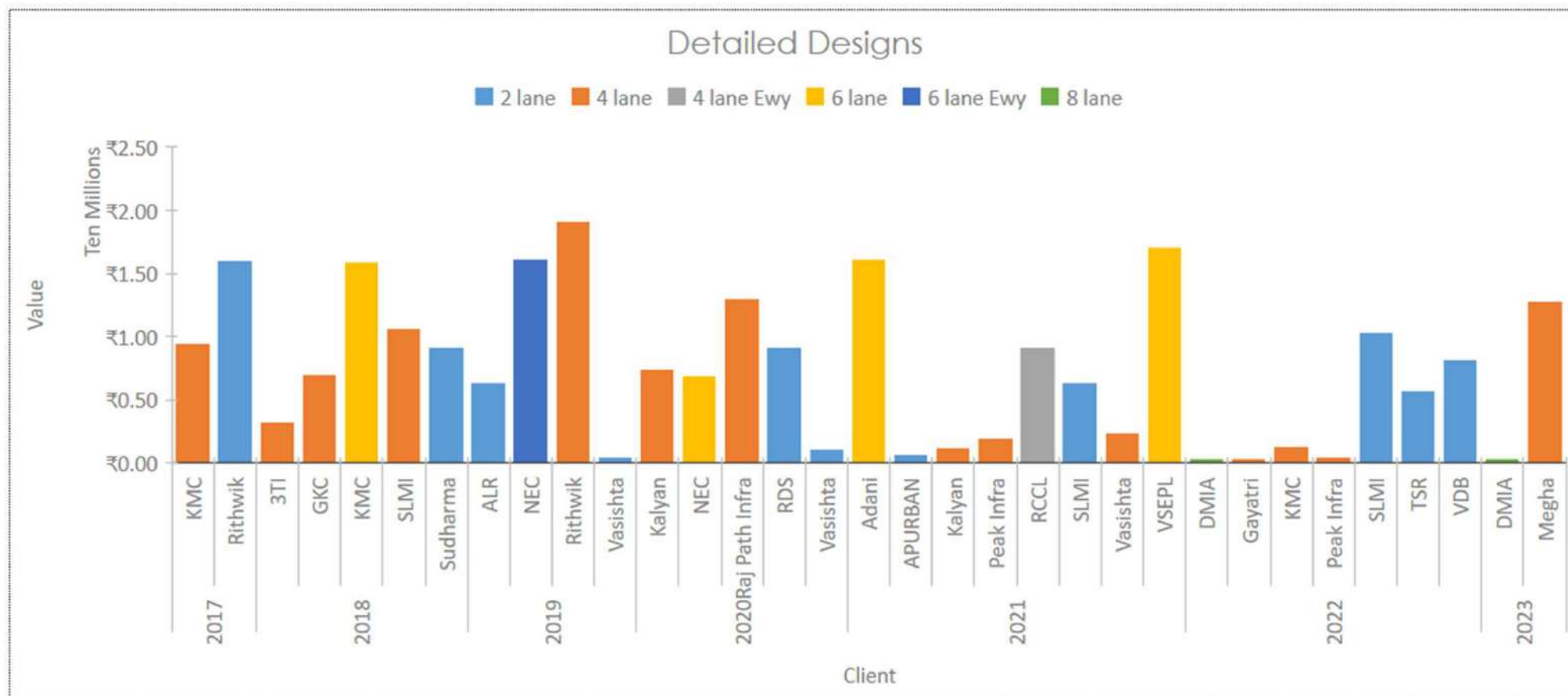


# YEAR WISE PROJECTS



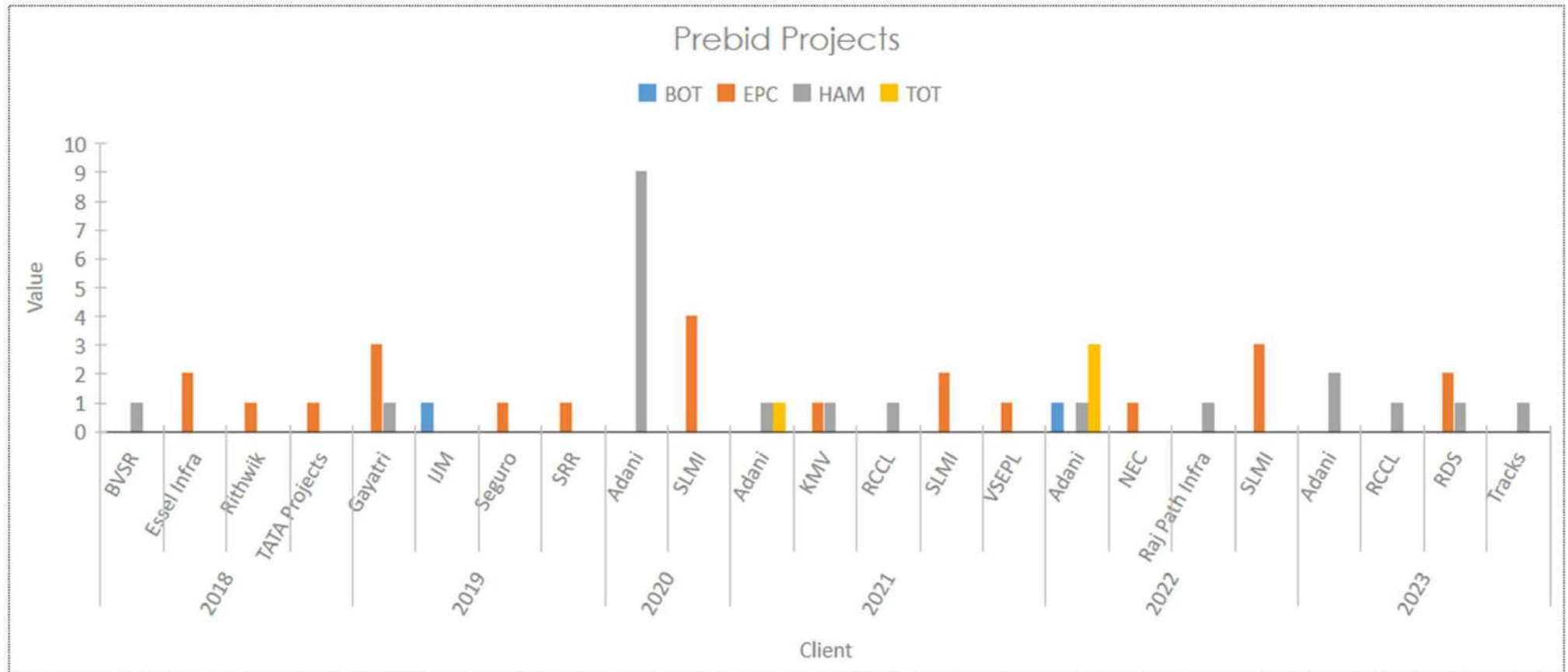


# DETAILED DESIGNS CLIENT WISE YEAR WISE





# PREBID PROJECTS CLIENT WISE YEAR WISE





# YEAR WISE PROJECTS (LENGTH IN KM)

Year	Completed	Ongoing	Total
2017	101		101
2018	418		418
2019	691		691
2020	715		715
2021	689		689
2022	1118	205	1323
2023	191	385	576
Grand Total	3923	590	4513



# YEAR WISE DETAILED DESIGN PROJECTS (KM)

Year	Completed	Ongoing	Total
2017	86		86
2018	220		220
2019	251		251
2020	181		181
2021	252		252
2022	3	205	208
2023	0	177	177
Grand Total	993	382	1374

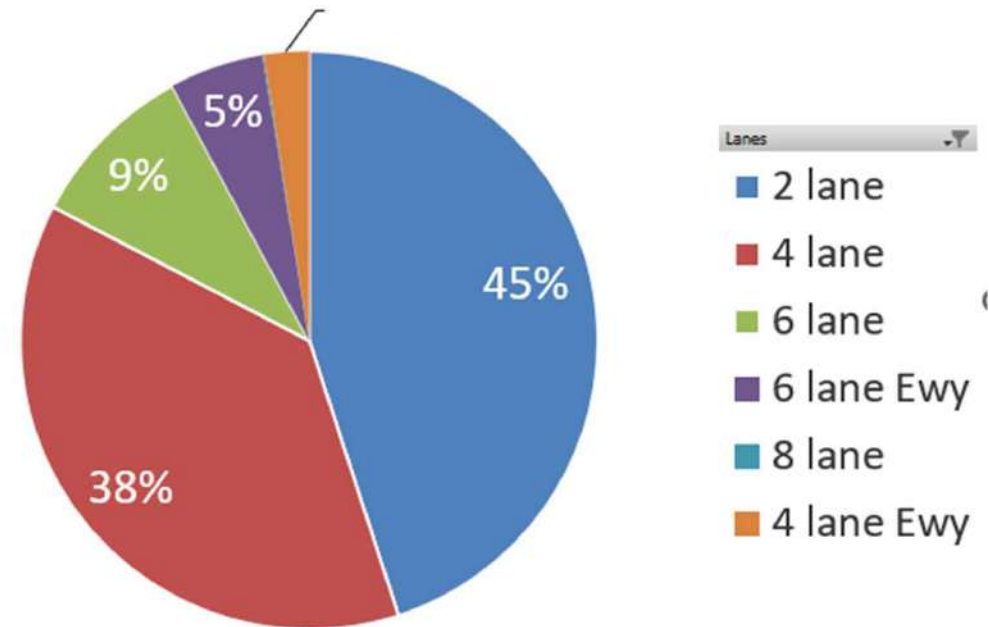
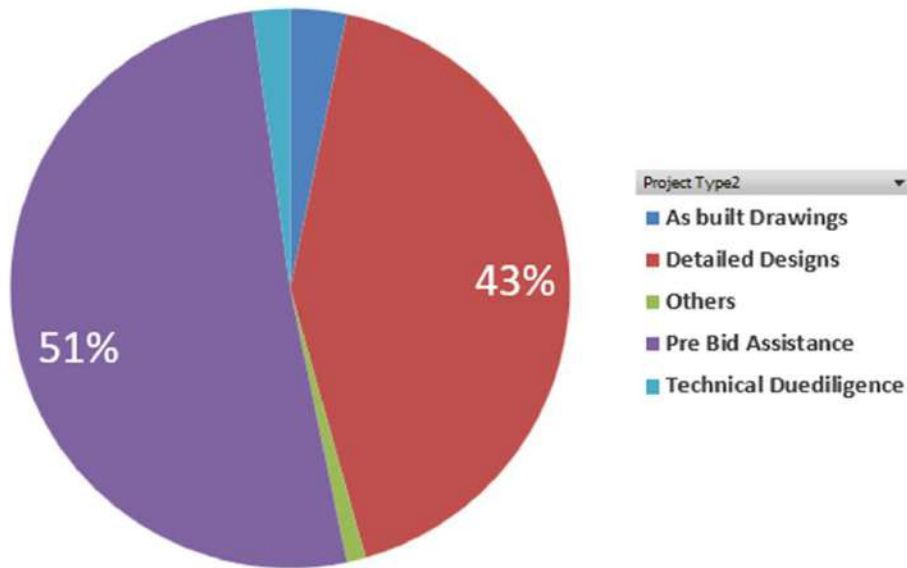


# YEAR WISE PREBID PROJECTS (KM)

Year	Completed	Ongoing	Total
2018	198		198
2019	280		280
2020	534		534
2021	437		437
2022	791		791
2023	191	208	399
Grand Total	2430	208	2639

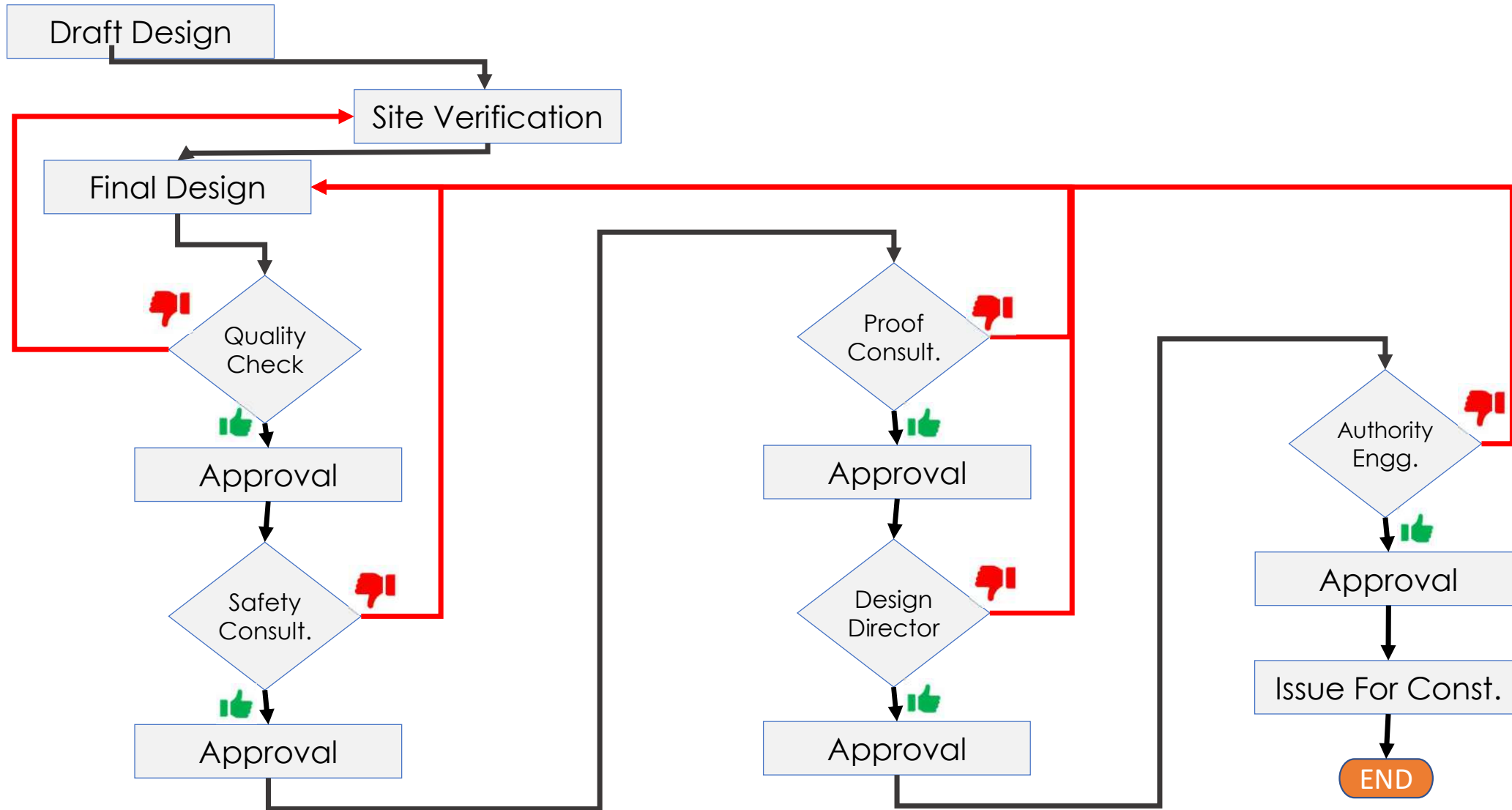


# PROJECT PORTFOLIO



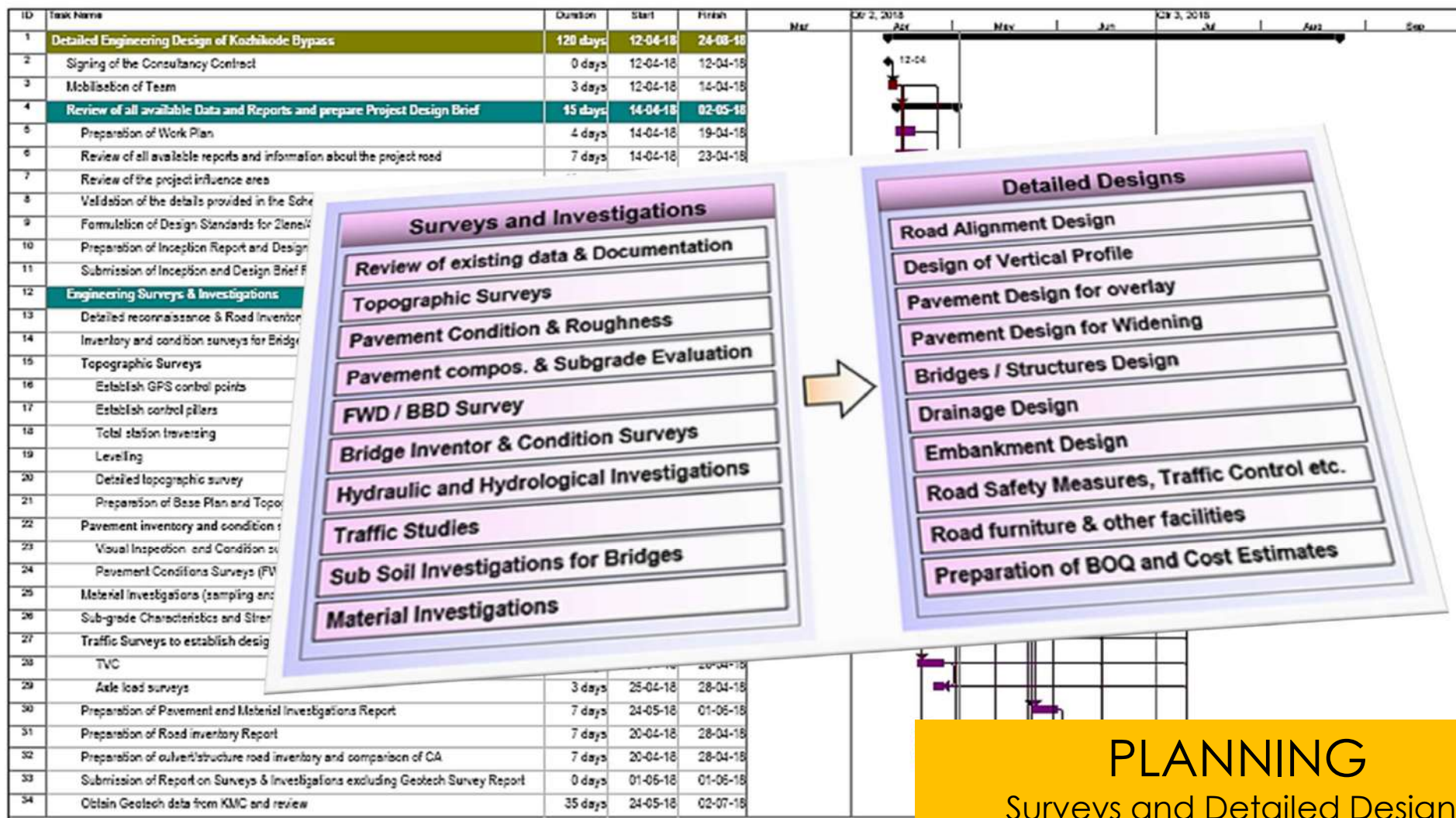


# DETAILED DESIGN PROCESS





# DESIGN PHASE

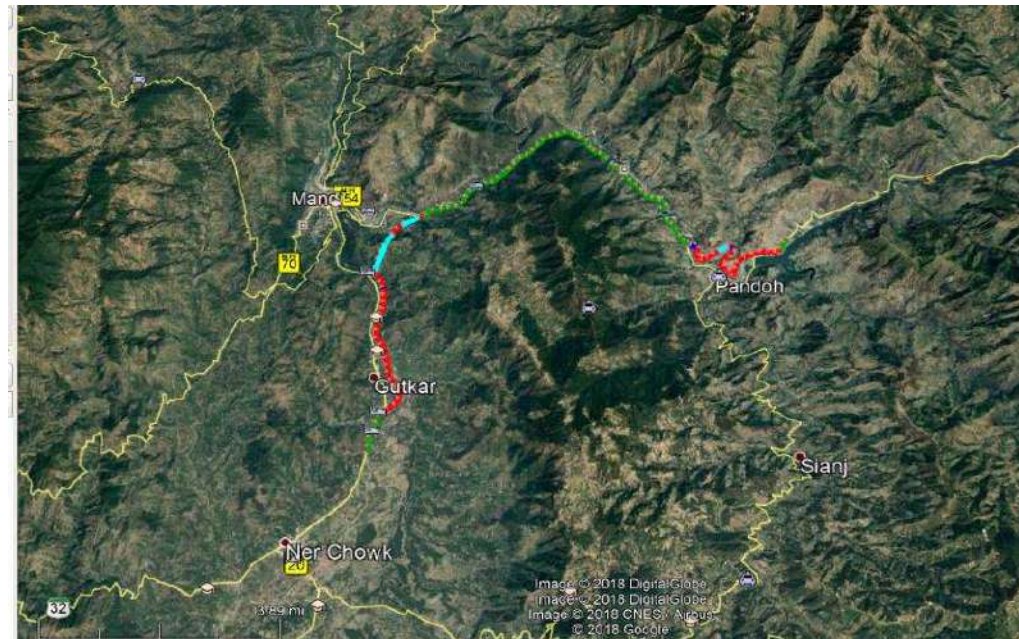


**PLANNING**  
Surveys and Detailed Designs



# NER CHOWK — PANDOH (HIMACHAL PRADESH)

- \* Four laning of Ner Chowk – Pandoh including Pandoh Bypass section of NH-21 (Package-I from Km 190.000 to Km 221.305) ; NHDP-IVB in the State of Himachal Pradesh on EPC Basis.
- \* Authority: NHA
- \* EPC Contractor: KMC Constructions Ltd
- \* Project Cost: **873 Crore**
- \* Construction Period – 30 Months
- \* Design Length : 26.290Km (including Twin Tunnel- 3 nos- 2.283km in Bypsses
- \* Bypasses 2 nos. -13.161km
- \* Existing Alignment: 2Lane -13.129km





# MACHILIPATNAM — AVANIGADDA (ANDHRA PRADESH)

Design Consultancy Services for Rehabilitation and up-gradation of Machilipatnam to Avanigadda section from Km 84/550 to Km 124/200 of NH-214A (New NH-216) to two lane with paved shoulder in the state of Andhra Pradesh under NHDP –IV Through Engineering, Procurement & Construction (EPC) basis.

- \* Authority: MoRTH
- \* EPC Contractor: RVR-SIPL (JV),
- \* Project Cost: **222 Crore**
- \* Construction Period – 24 Months
- \* Design Length : 34.400Km
- \* Bypasses 2 nos and Realignment. -16.670km
- \* Existing Alignment: 2Lane -17.730.km

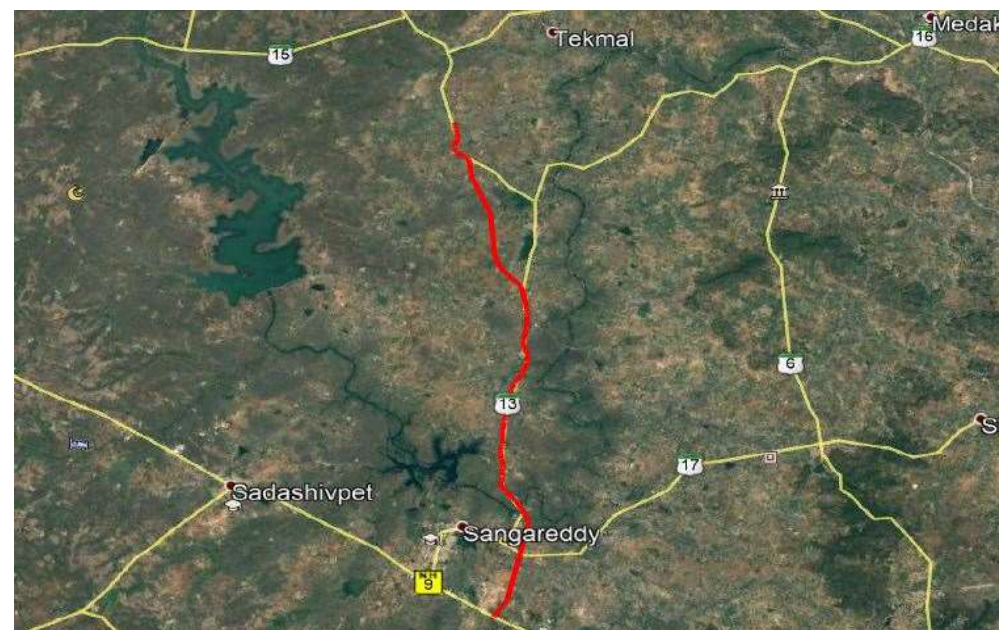




# KANDI – RAMSANPALLE (TELANGANA)

Design Consultancy Services for Four laning of NH-161 from Kandi (Existing Km 0.000 / Design Km 0.000) to Ramsanpalle (Existing Km 44.757 / Design Km 39.980) (Design Length = 39.980 Km) in the State of Telangana under Bharatmala Pariyojna through an Engineering, Procurement and Construction (EPC) Contract.

- \* Authority: NHA
- \* EPC Contractor: GKC Projects Pvt.Ltd.
- \* Project Cost: **544** Crore
- \* Construction Period – 30 Months
- \* Design Length : 39.980Km
- \* Bypasses 2 nos. -19.200km
- \* Existing Alignment: 2Lane -20.780km





# CALICUT BYPASS (KERALA)

- \* Design Consultancy Services for Six-Laning of Existing Kozhikode Bypass (Near Vengalam JN to Ramanattukara JN) Section of NH-66 from Km 230+400 (Existing Km 230+400) to Km 258+800 (Existing km 27+840 of NH-PWD) under NHDP Phase – III on Hybrid Annuity Mode in the state of Kerala.
- \* Authority: NHA
- \* Concessionaire: Calicut Expressway Ltd.(KMC Constructions Ltd)
- \* Project Cost: **1554** Crore
- \* Construction Period – 30 Months
- \* Design Length : 28.400Km
- \* Bypasses /Realignment- Nil
- \* Existing Alignment: 2Lane -28.400km





# HYD ORR — MEDAK (TELANGANA)

Design Consultancy Services for Rehabilitation and Up-gradation of Hyderabad outer ring road to Medak Section of NH-765 D from existing Km 15.970 (Design Km. 0.000) to existing Km 78.700 (Design Km. 62.920) to Two Lane with paved shoulders / Four Lane in the State of Telangana on Engineering, Procurement & Construction (EPC) basis contract.

- \* Authority: R&BD, Telangana/MoRTH
- \* EPC Contractor: BSLMI (JV),
- \* Project Cost: **322** Crore
- \* Construction Period – 18 Months
- \* Design Length : 62.920Km
- \* Bypasses/Realignments : 2.210km
- \* Existing Alignment: 2Lane – 60.710km

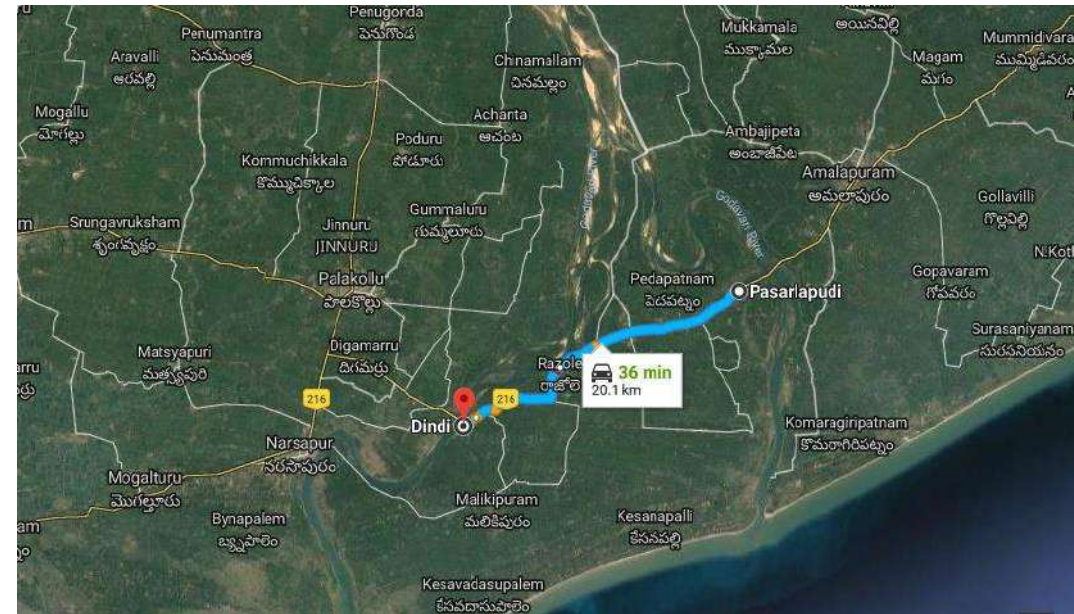




# PASARLAPUDI – DINDI (ANDHRA PRADESH)

Design Consultancy Services for Rehabilitation & Upgradation of Pasarlapudi to Dhindi section from km.105+170 to km.126+510 of NH-214 (New NH-216) to two lane with paved shoulder in the state of Andhra Pradesh under NHDP-IV on EPC mode.

- \* Authority: MORTH
- \* EPC Contractor: SIPL- SVSMC (JV),
- \* Project Cost: **126** Crore
- \* Construction Period – 24 Months
- \* Design Length : 20.823Km
- \* Bypasses/Realignments . -14.998.km
- \* Existing Alignment: 2Lane -5.825 km

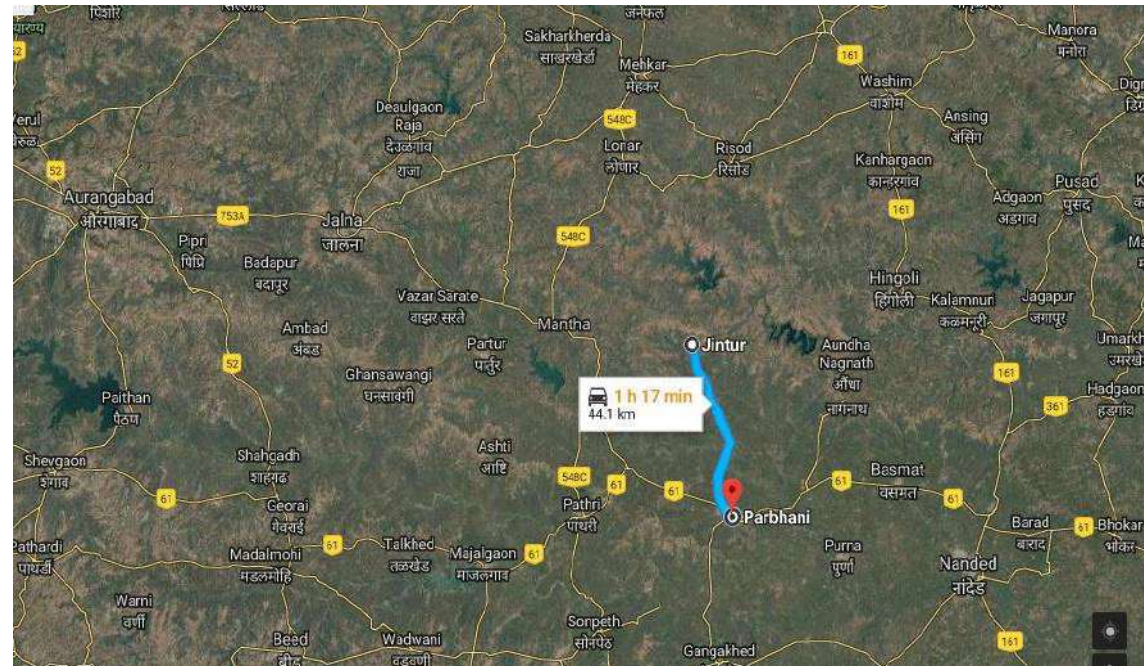




# JINTUR – PARBHANI (MAHARASHTRA)

Design Consultancy Services for Rehabilitation and Upgradation of Jintur to Parbhani from Km. 47/000 to Km. 85/420 (Section II) of – Watur – Phata – Mantha – Jintur – Bori – Zari - Parbhani National Highway to two lane with paved shoulder in the state of Maharashtra on EPC mode

- \* Authority: Maharashtra State Road Development Corporation Ltd. (MSRDC)
- \* EPC Contractor: Ritwik Project Private Limited
- \* Project Cost: **272 Crore**
- \* Construction Period – 24 Months
- \* Design Length : 38.420Km
- \* Bypasses/Realignment. 1.380
- \* Existing Alignment: 2Lane -36.040 km

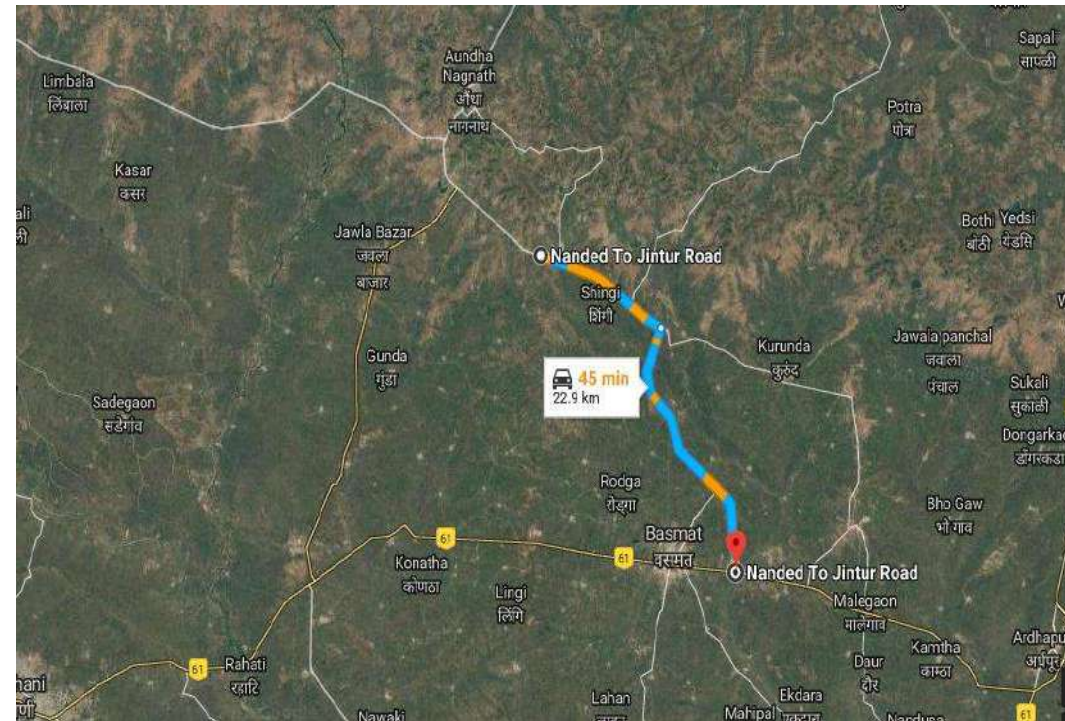
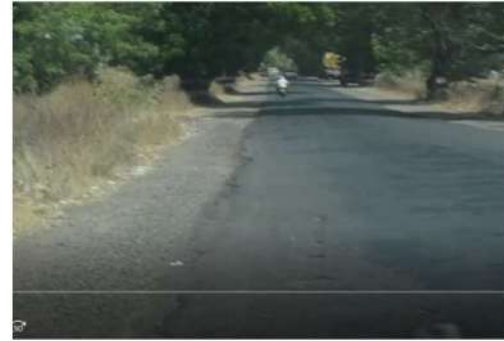




# SHIROD SHAHPUR – VASMAT (MAHARASHTRA)

Design Consultancy Services for Rehabilitation and Upgradation of Shirod Shahpur - Vasmath Section from Km. 48/000 to Km. 70/430 (Section II) of Jintur – Aundha Nagnath – Shirod Shahpur – Vasmat – Nanded state highway to two lane with paved shoulder in the state of Maharashtra on EPC mode.

- \* Authority: Maharashtra State Road Development Corporation Ltd. (MSRDC)
- \* EPC Contractor: Ritwik Project Private Limited
- \* Project Cost: **170** Crore
- \* Construction Period – 24 Months
- \* Design Length : 22.430Km
- \* Bypasses/Realignment. 1.000
- \* Existing Alignment: 2Lane -21.430 km

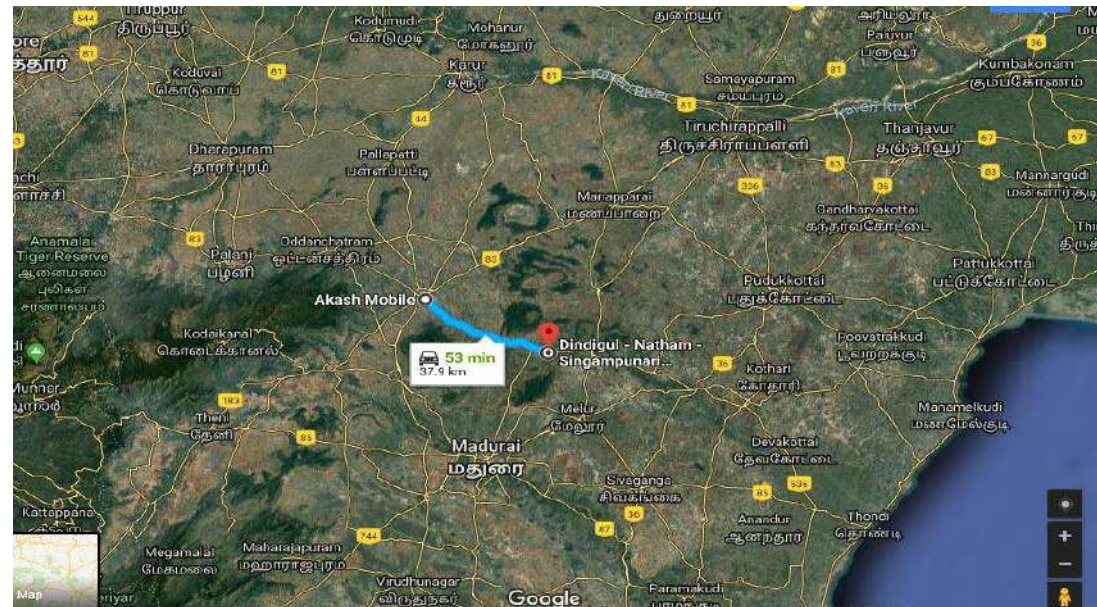




# DINDIGUL – NATHAM ROAD (TAMIL NADU)

Design Consultancy Services for Detail Design of the project “Widening & Strengthening the existing 2-lane to 2-lane with paved shoulder from km 0/550-1/100, 5/700-21/070, 21/500- 34/200 & 34/870-38/000 and 4-lane from km 0/0-0/550, 1/100-1/760, 2/400-5/700, 21/070- 21/500, 34/200-34/870 and Strengthening from km 1/780-2/420 of NH383 (Dindigul- Natham Section) in the State of Tamil Nadu under EPC Mode.

- \* Authority: National Highway, Government of Tamil Nadu (MORTH Funded)
- \* EPC Contractor: ALR Construction, Andipatti, Theni, Tamil Nadu.
- \* Project Cost: **140.45** Crore
- \* Construction Period – 18 Months
- \* Design Length : 38.00Km
- \* Bypasses/Realignment. 12.000 km
- \* Existing Alignment: 2Lane -26.000 km

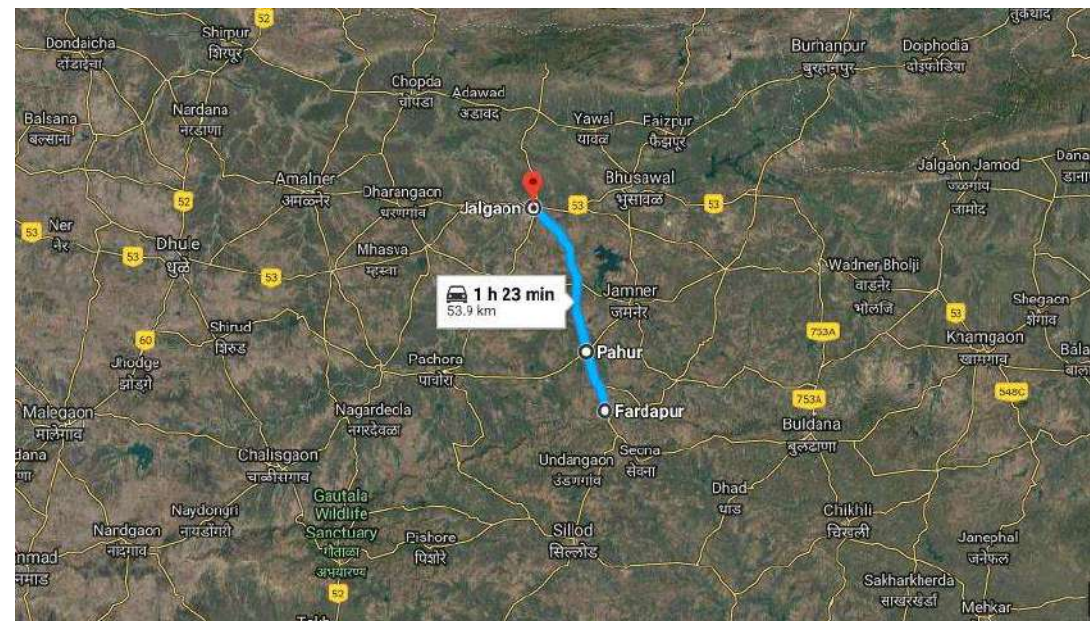




# FARDAPUR — JALGAON ROAD

Design Consultancy Services for Detail Design of Structures and Miscellaneous Items of Project facilities for the project“ 4 laning of Fardapur- Pahur- Jalgaon from existing km 100+000 to km 147+840 [Design km.99+660 to km. 144+750] to Two lane with paved shoulders in the state of Maharashtra on Engineering, Procurement & Construction (EPC) Basis Contract .

- \* Authority: NH Division (PWD), Government of Maharashtra(MORTH Funded)
- \* EPC Contractor: Ritwik Project Private Limited, Hyderabad.
- \* Estimated Project Cost: **367.31** Crore
- \* Construction Period – 24 Months
- \* Design Length : 45.11Km
- \* Bypasses/Realignment. 0.5km
- \* Existing Alignment: 2Lane -44.61 km





# NAGPUR — MUMBAI EXPRESSWAY — PACKAGE 15

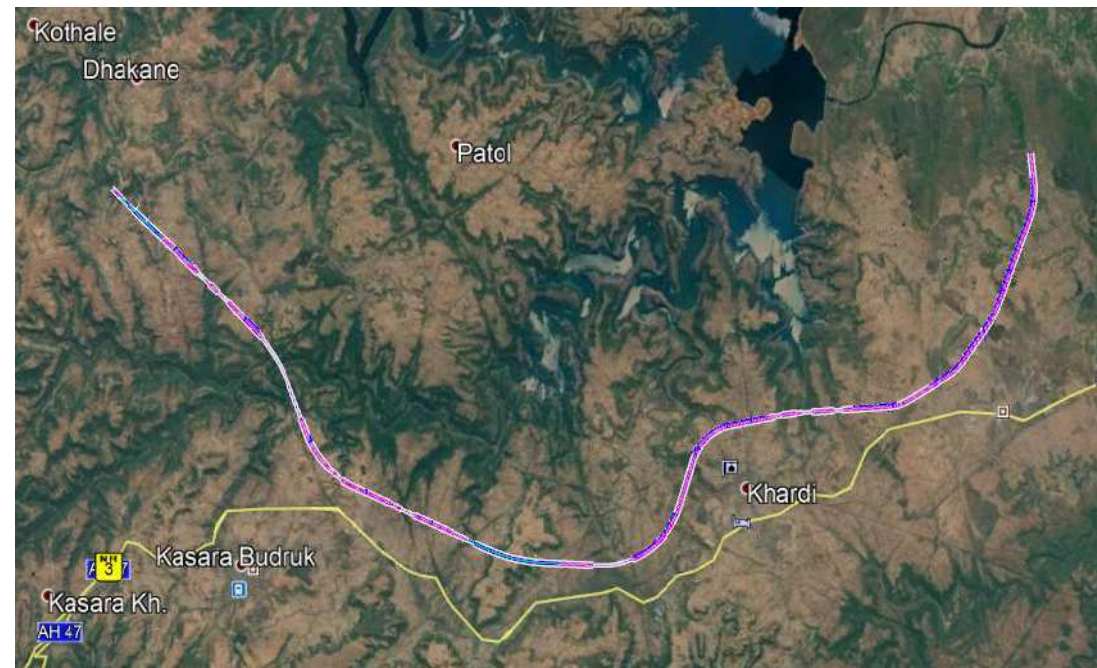
Design Consultancy Services for Detailed Detail Design of the project "6 lane Nagpur-Mumbai Super Communication Express way site Package 15 Ch km. 636.479 to Ch km. 664.479- Maharashtra"- EPC Mode.

- \* Authority: MSRDC, Government of Maharashtra (MSRDC Funded)
- \* EPC Contractor: Navayuga Engineering Company Limited, Hyderabad.
- \* Estimated Project Cost: **1694.58** Crore
- \* Construction Period – 36 Months
- \* Design Length : 28Km
- \* Bypasses/Re/New alignment. 28km Green Field
- \* Tunnel : 2 Nos. 1.337km

Tunnel 318m long @ Ch.637150



Viaduct 1865m long @ Ch.641813

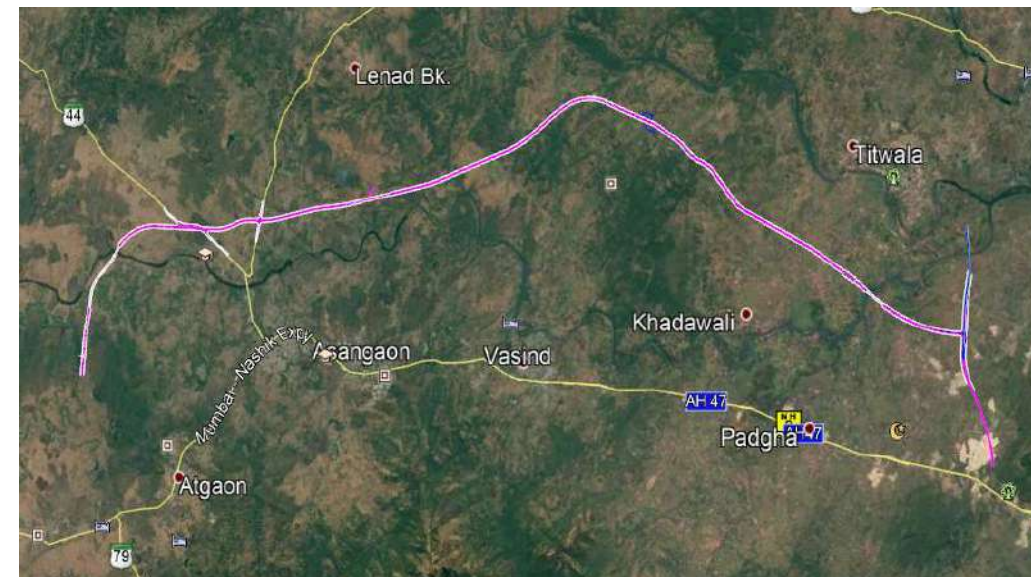




# NAGPUR — MUMBAI EXPRESSWAY — PACKAGE 16

Design Consultancy Services for Detailed Detail Design of the project "6 lane Nagpur-Mumbai Super Communication Express way site Package 16 Ch km. 664.479 to Ch km. 701.479- Maharashtra"- EPC Mode.

- \* Authority: MSRDC, Government of Maharashtra (MSRDC Funded)
- \* EPC Contractor: Navayuga Engineering Company Limited, Hyderabad.
- \* Estimated Project Cost: **2423.63 Crore**
- \* Construction Period – 36 Months
- \* Design Length : 37Km
- \* Bypasses/Re/New alignment. 37km Green Field
- \* Tunnel : 2 Nos. 1.353km





# AMARAVATHI – CHIKLI (PACKAGE-1)

Balance Four Laning Work of Package-1 from km 166.000 (Amravati) to km 220.000 (Near Kurankhed) Section of Amravati – Chikhli NH-6 in the state of Maharashtra to be executed as Hybrid Annuity Project Under NHDP Phase IV

- \* Authority : NHAI
- \* Concessionaire: Rajpath Infracon Pvt. Ltd
- \* Estimated Project Cost: 663 Cr.
- \* Construction Period: 24 months
- \* Design Length : 54.0 Km
- \* Re-alignment : 0.800 Km





# AMARAVATHI — CHIKLI (PACKAGE-4)

Balance Four Laning Work of Package-4 from km 315.000 (Nandura) to km 360.000 (Chikli) Section of Amravati — Chikhli NH-6 in the state of Maharashtra to be executed as Hybrid Annuity Project Under NHDP Phase IV

- \* Authority : NHAI
- \* Concessionaire: Kalyan Toll Infrastructure Ltd
- \* Estimated Project Cost: 672 Cr.
- \* Construction Period: 24 months
- \* Design Length : 45.0 Km
- \* Bypass / Re-alignment : 6.700 Km

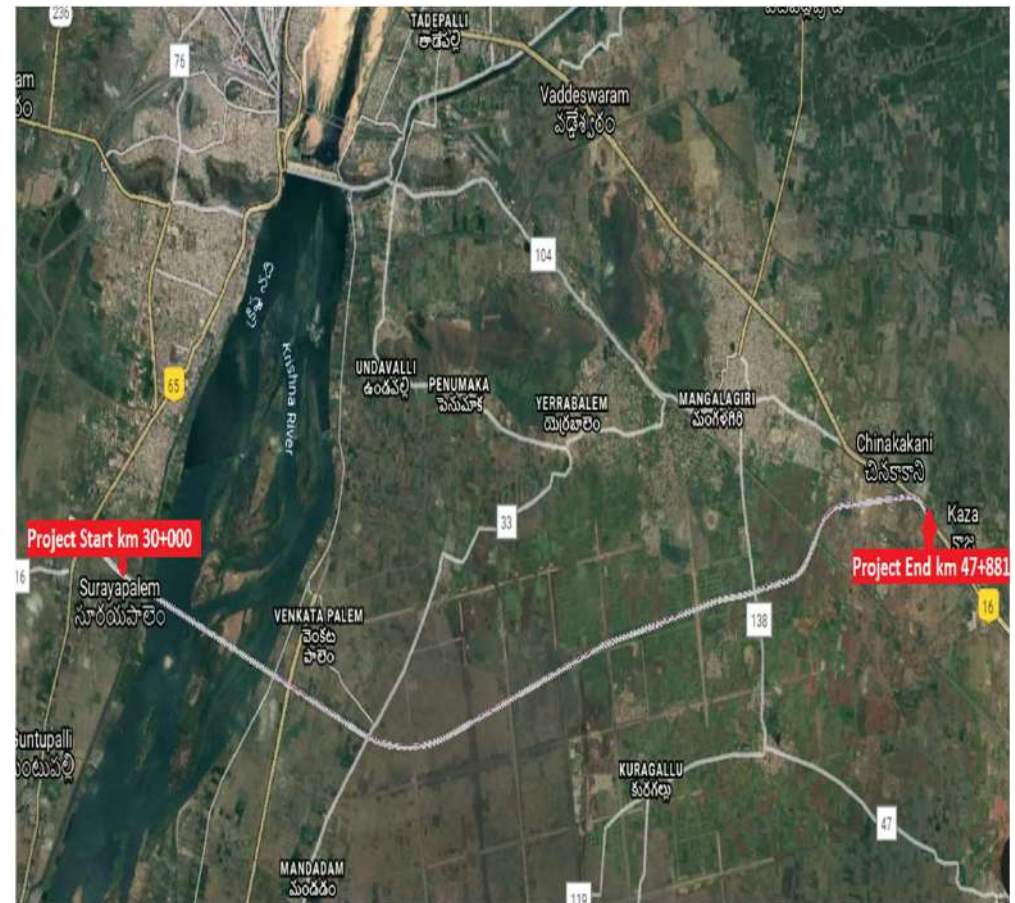




# VIJAYAWADA BYPASS (PACKAGE-4)

Construction of 6-lane Vijayawada Bypass from Gollapudi (Design Ch. 30+000) to Chinnakakani (Design Ch. 47+881) in Vijayawada- Gundugolanu section of NH 16 in the state of Andhra Pradesh on Hybrid Annuity Mode (Package-4).

- \* Authority : NHAI
- \* Concessionaire: Adani – Navayuga (JV)
- \* Estimated Project Cost: 1425 Cr.
- \* Construction Period: 36 months
- \* Design Length : 17.881 Km
- \* Bypass / Re-alignment : Complete Greenfield

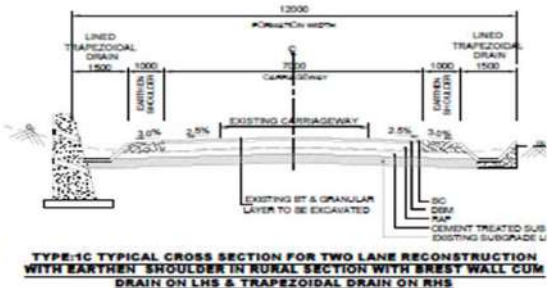
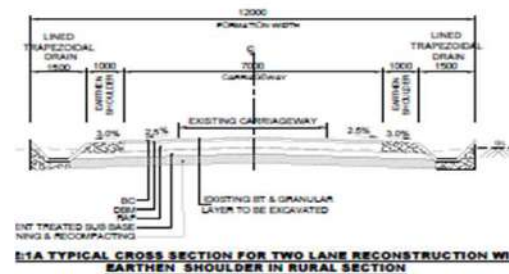
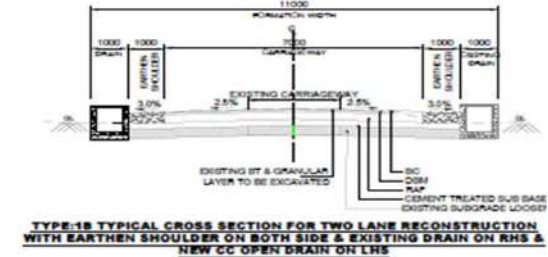
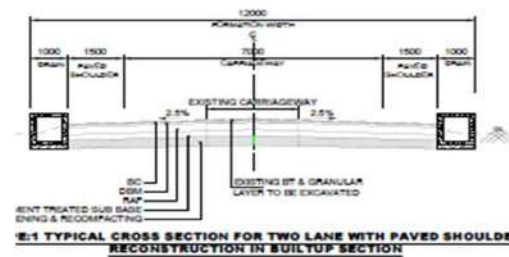
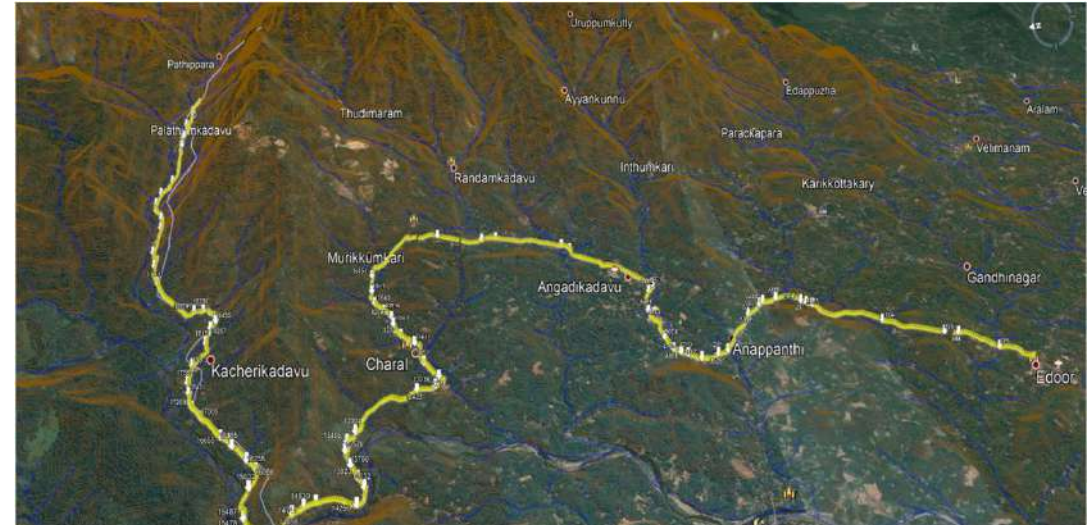




# EDOOR - PALATHUMKADAVU

Upgrading to 2-Lane with paved shoulder from Edoor (Km 0+000) to Palathumkadavu road (Km 24+450) in Kerala

- \* Authority: KSTP
- \* Concessionaire: RDS Projects Ltd.
- \* Estimated Project Cost: 130 Cr.
- \* Construction Period: 24 months
- \* Design Length : 25 Km
- \* Bypass / Re-alignment : Nil

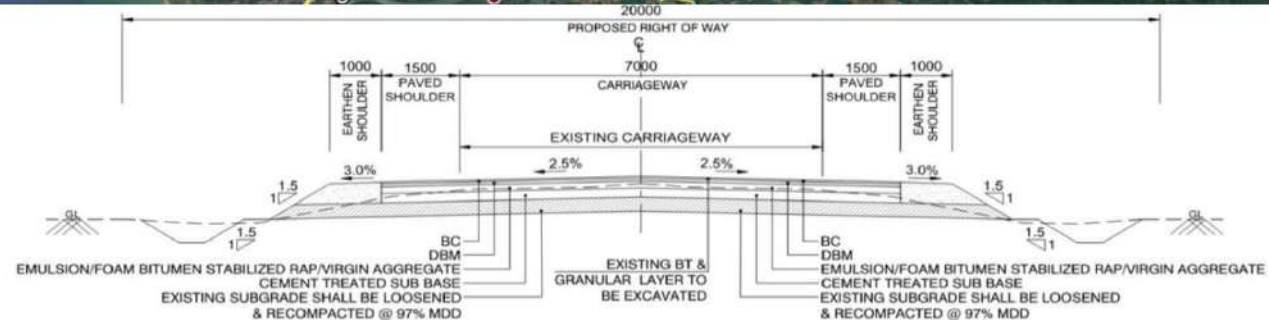
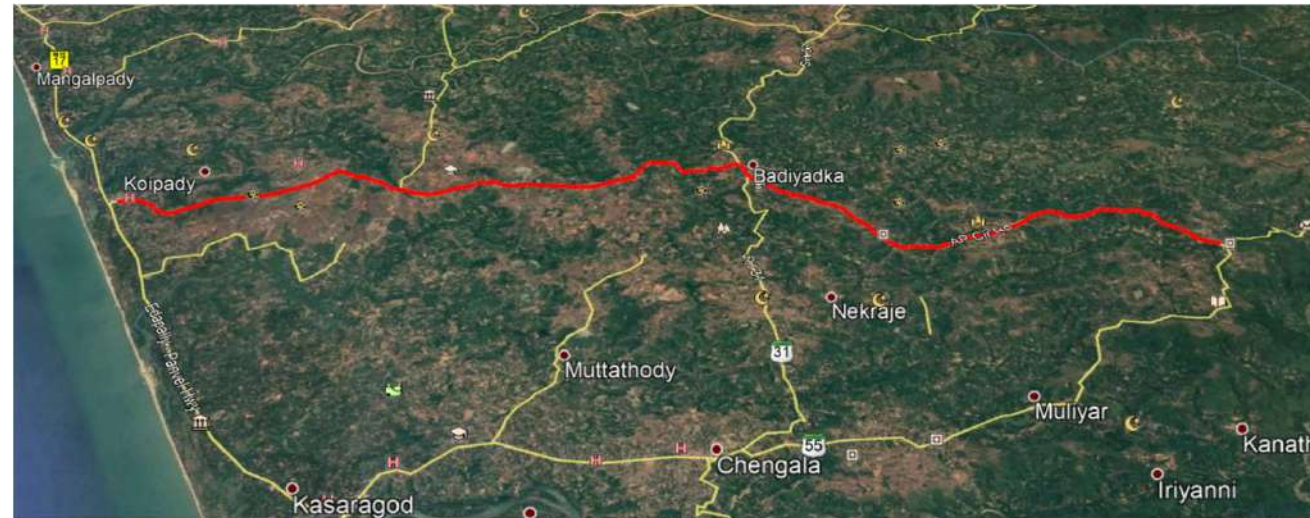




# KUMBLA — BADIADKA — MULLERIA

Upgrading Kumbala – Badiadka – Mulleria Road (design chainage KM. 0+000 TO 29+135) in KERALA

- \* Authority: KSTP
- \* Concessionaire: RDS Projects Ltd.
- \* Estimated Project Cost: 158 Cr.
- \* Construction Period: 24 months
- \* Design Length : 30 Km
- \* Bypass / Re-alignment : Nil



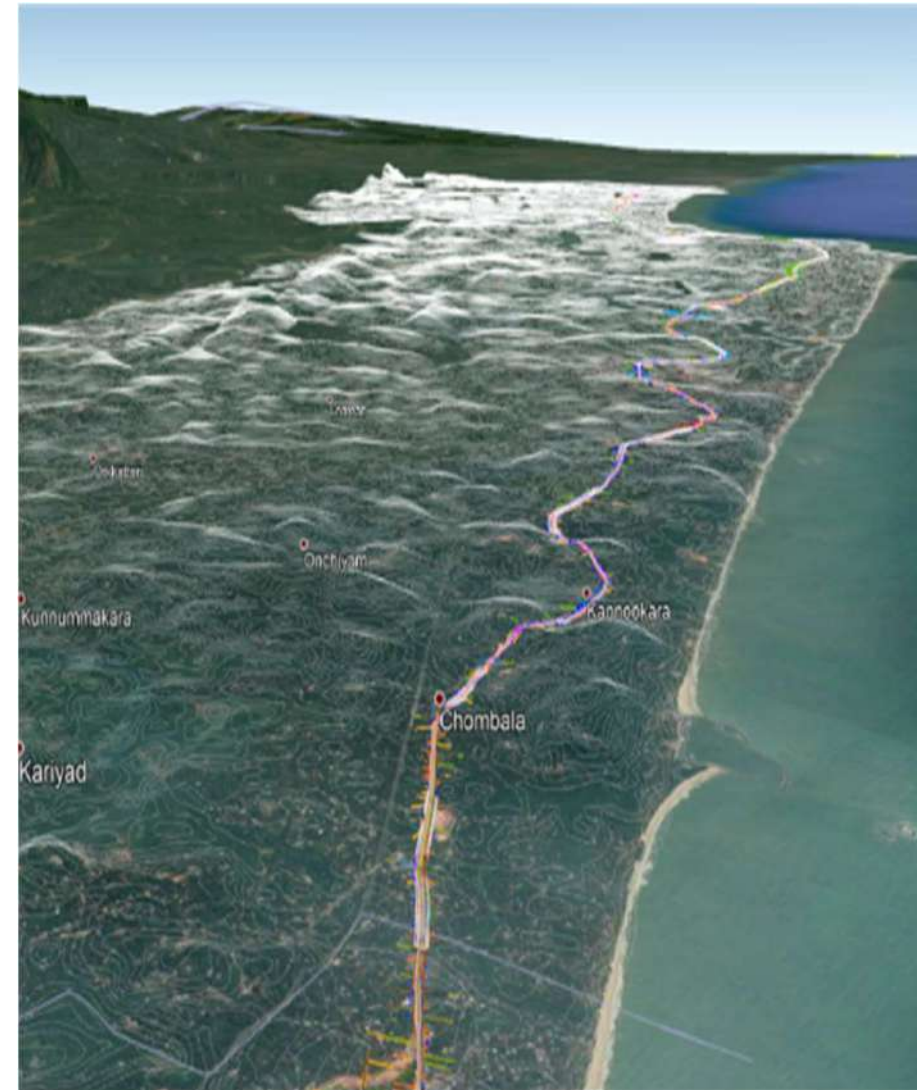
**TYPE-1A : TYPICAL CROSS SECTION FOR TWO LANE WITH PAVED SHOULDER RECONSTRUCTION  
IN RURAL SECTION WITH BOTH SIDE NORMAL GROUND LEVEL UPTO 1.5M**



# AZHIYUR — VENGALAM

Six Laning of Azhiyur to Vengalam section of NH-17 (New NH-66) from Des.Ch. 189+200 (Ex. km 188+000) to Des. Ch. 232+100 (Ex. km 230+400) [except 6 laning of Paloli to Moorad section from Des. Ch. 203+000 (Ex. km 201+590) to Des.Ch. 205+100 (Ex. km 203+900)] in the State of Kerala on Hybrid Annuity Mode under Bharatmala

- \* **Authority: NHAI**
- \* **Concessionaire: Adani Road Transport Ltd**
- \* **Estimated Project Cost: 1838 Cr.**
- \* **Construction Period: 30 months**
- \* **Design Length : 41 km**
- \* **Bypass / Re-alignment : 11 km**

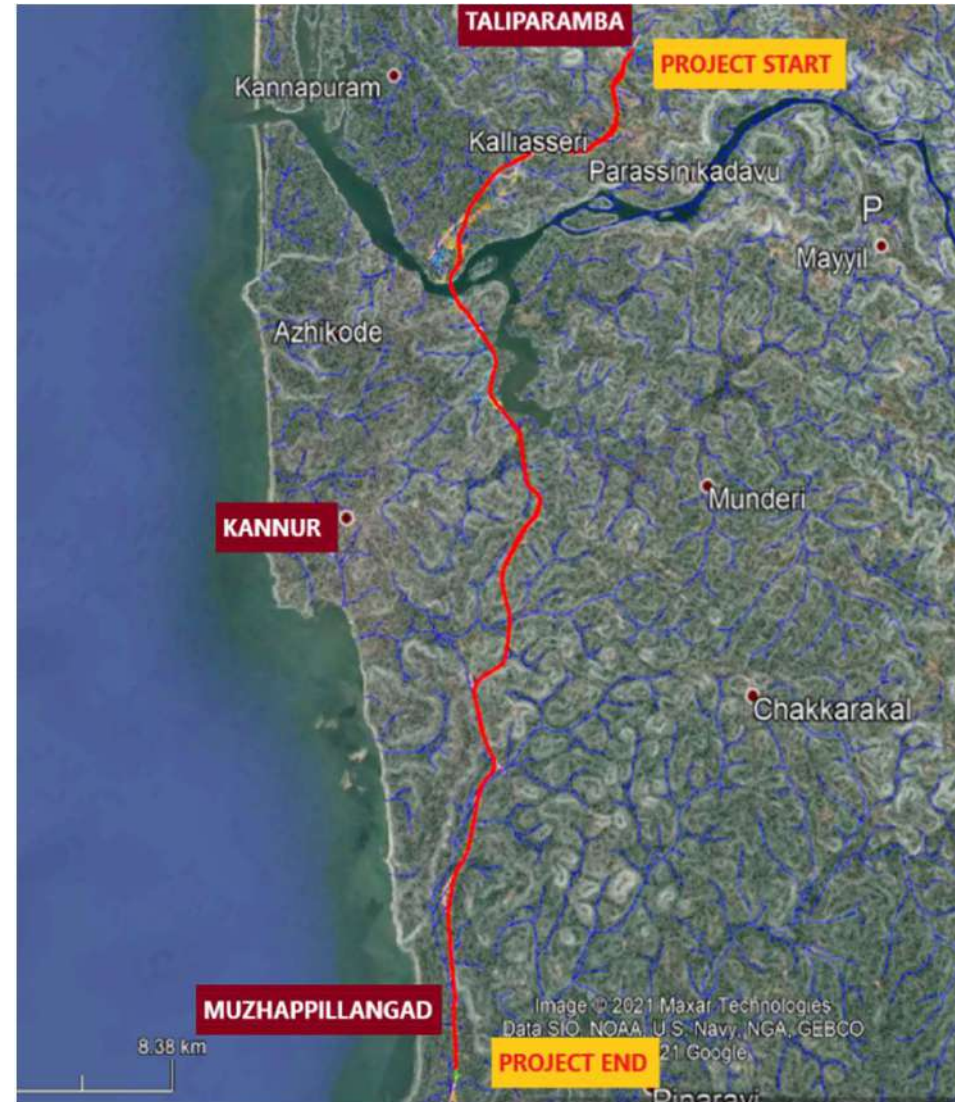




# THALIPARAMBA — MUZHAPPILANGAD

Six Laning of Thaliparamba to Muzhapilangad section of NH-17 (New NH-66) from Ch. 134+650 (existing km 137+900) to Ch. 164+958 (existing Km 170+600) in the State of Kerala on Hybrid annuity Mode under Bharatmala Pariyojna

- \* Authority: NHAI
- \* Concessionaire: Vishwa Samudra Kannur Expressways Pvt Ltd
- \* Estimated Project Cost: 2000 Cr.
- \* Construction Period: 30 months
- \* Design Length : 30 km
- \* Bypass / Re-alignment : 13 km

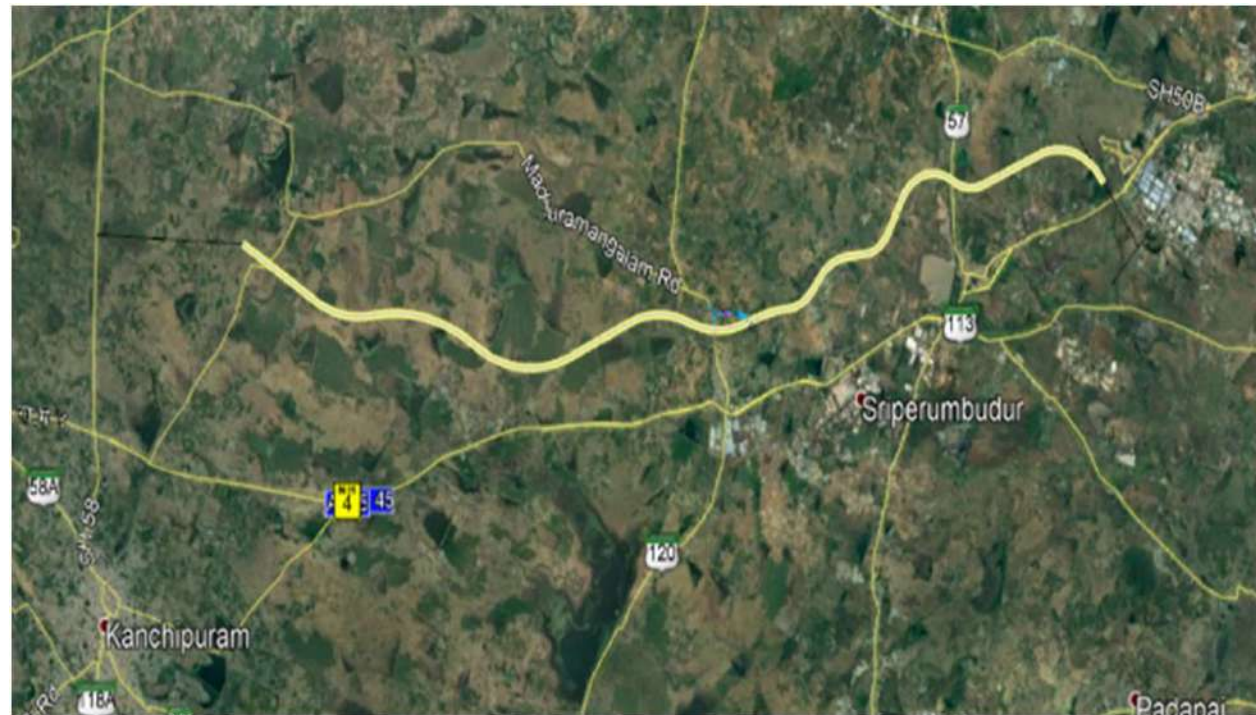




# BANGALORE CHENNAI EXPRESSWAY PH 3 PKG IV

Four Lane Bangalore- Chennai Expressway from Ch. 230.000 to Ch. 261.705 (Kanchipuram to Sriperumbudur section in the state of Tamilnadu) under Bharatmala on HAM mode (Phase-3, Package-IV)

- \* Authority: NHAI
- \* Concessionaire: RCCL
- \* Estimated Project Cost: 2000 Cr.
- \* Construction Period: 30 months
- \* Design Length : 32 km
- \* Bypass / Re-alignment : Greenfield expressway

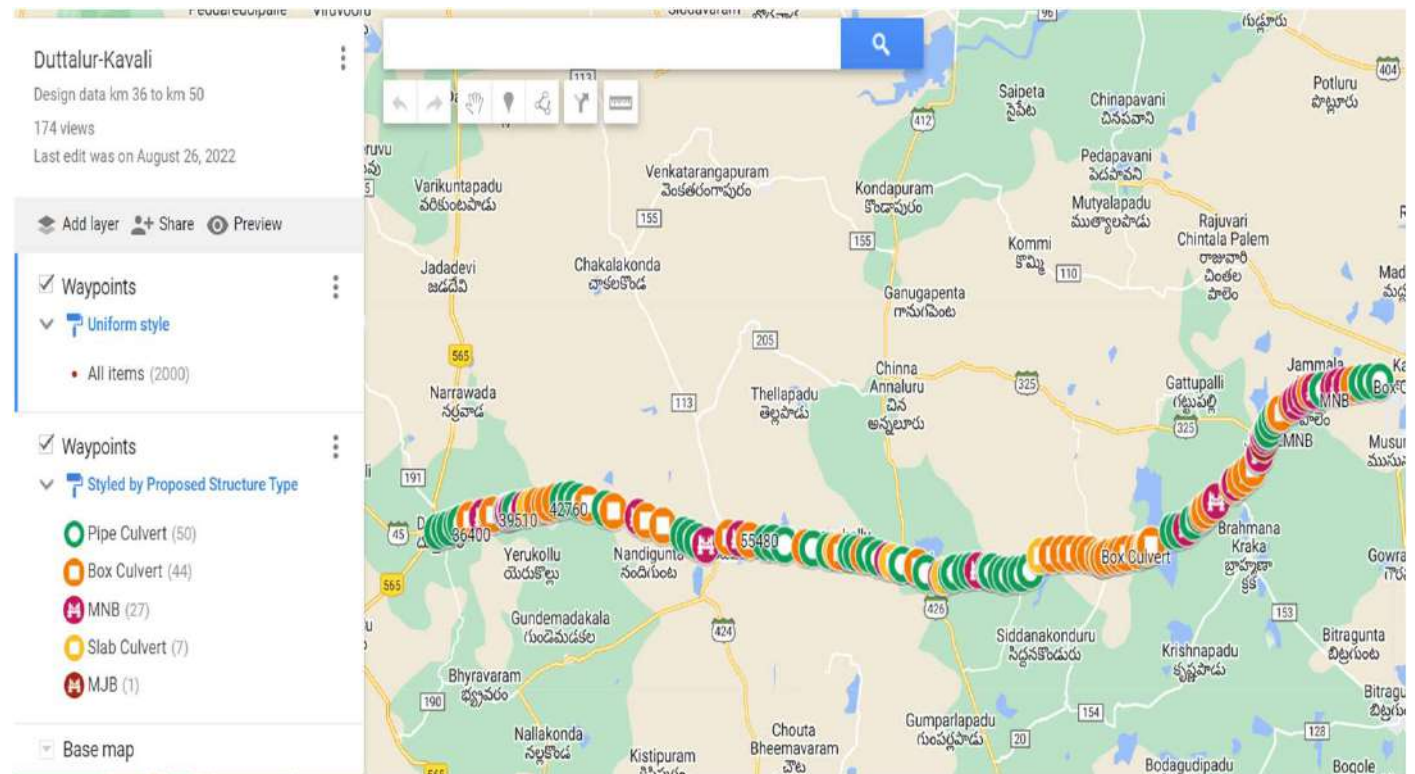




# KAVALI – DUTTALUR

Upgradation of existing road to 2-Lane with Paved shoulder configuration from design Km. 36+400 -Km. 107+224 from Duttalur (At NH-565 Jn) to Kavali (joining NH-16) in Andhra Pradesh on EPC basis

- \* **Authority: MoRTH**
- \* **Concessionaire: TSR Nirman**
- \* **Design Length : 70 km**

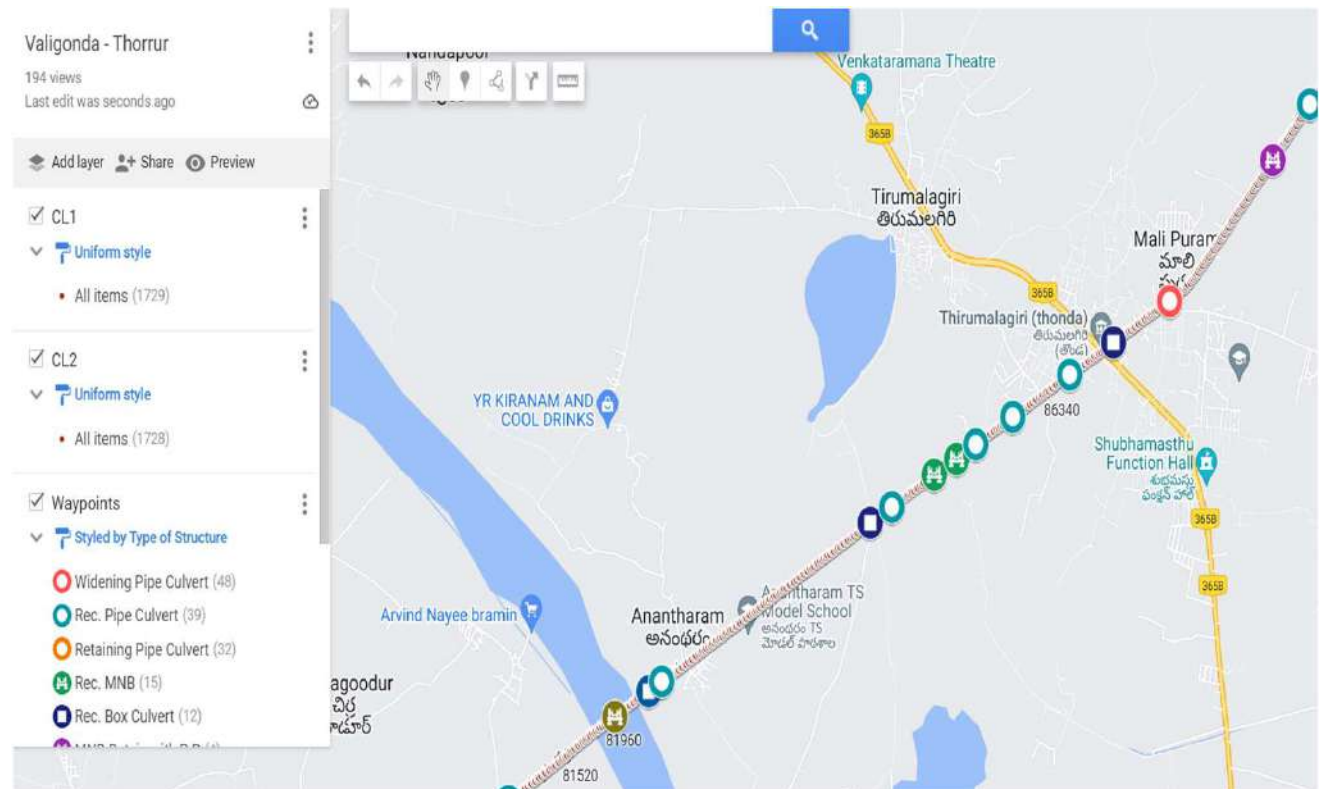




# VALIGONDA — THORRUR

Upgradation of Valigonda to Thorror road section to 2-Lane with Paved shoulders from Km. 39+180 - 108+300 of NH-930P in Telangana on EPC basis

- \* **Authority: MoRTH**
- \* **Concessionaire: VDB**
- \* **Design Length : 70 km**

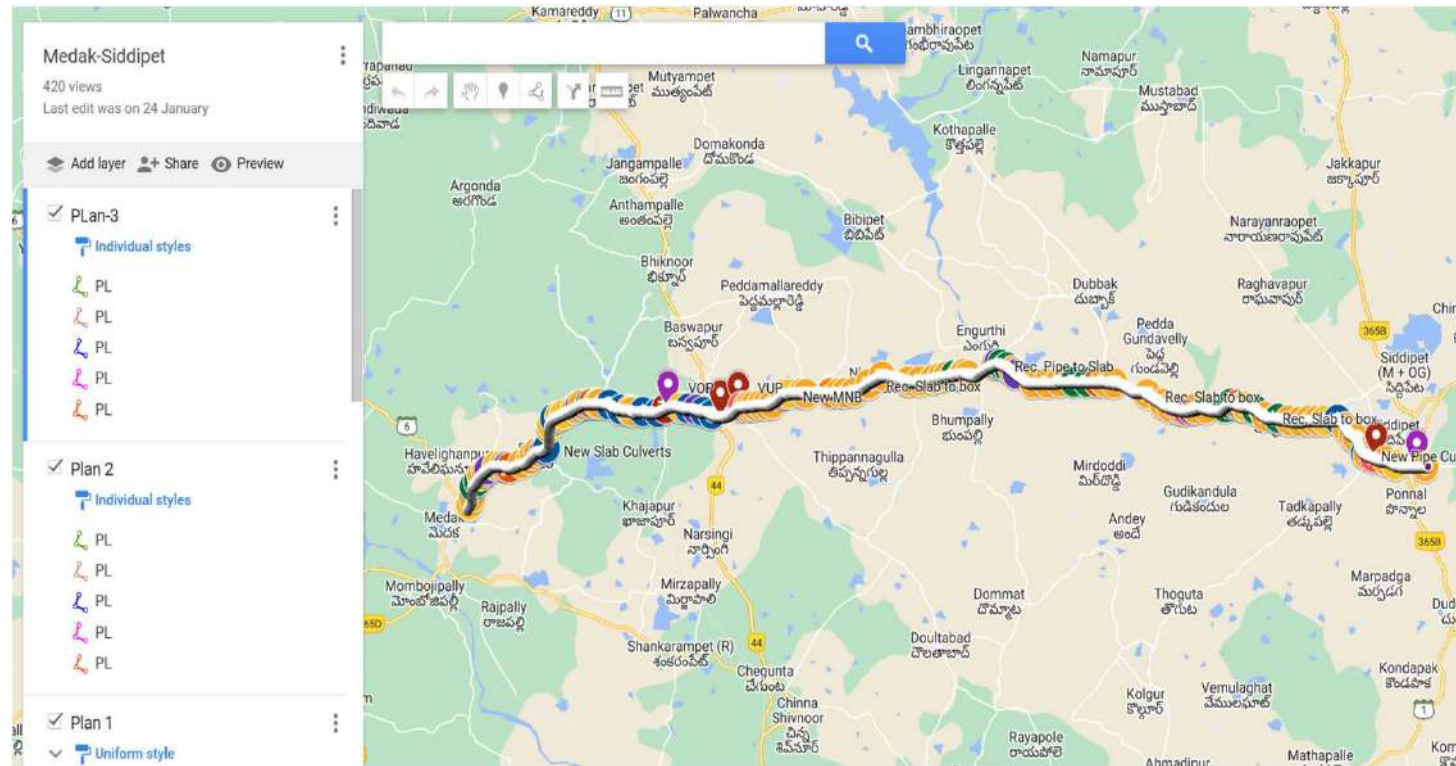




# SIDDIPET — MEDAK

**Widening to 2-lane with paved shoulders of Medak – Siddipet section from km 0.000 to km 69.978 of NH-765DG in the state of Telangana on EPC basis**

- \* **Authority: MoRTH**
- \* **Concessionaire: SLM**
- \* **Design Length : 70 km**

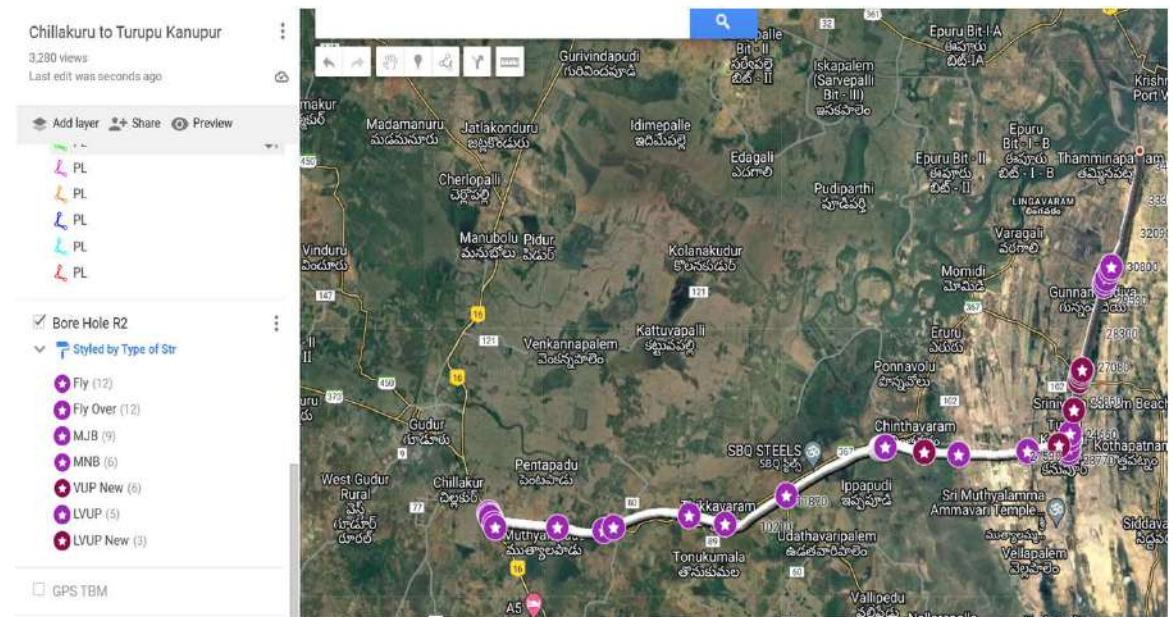




# CHILLAKURU – TURPU KANUPURU – PORT

Construction of Four Laning of Chillakuru Cross Road to Turpu Kanupur (Part 1 of Package-II) Km 0+000 (131+500 of NH-16) to Km 23+770 on New NH-516W including six lane flyover and approaches on NH-16 (Length Km 1.050) and Six Laning of Turpu kanupuru to Port South Gate (Part 2 of Package-II) Km 23+770 to Km 35+015 on New NH-516W in the State of Andhra Pradesh on HAM

- \* **Authority: NHA**
- \* **Concessionaire: MEIL**
- \* **Design Length : 36 km**
- \* **Bypass / Re-alignment : Mostly greenfield**





# TEAM





# RESOURCES

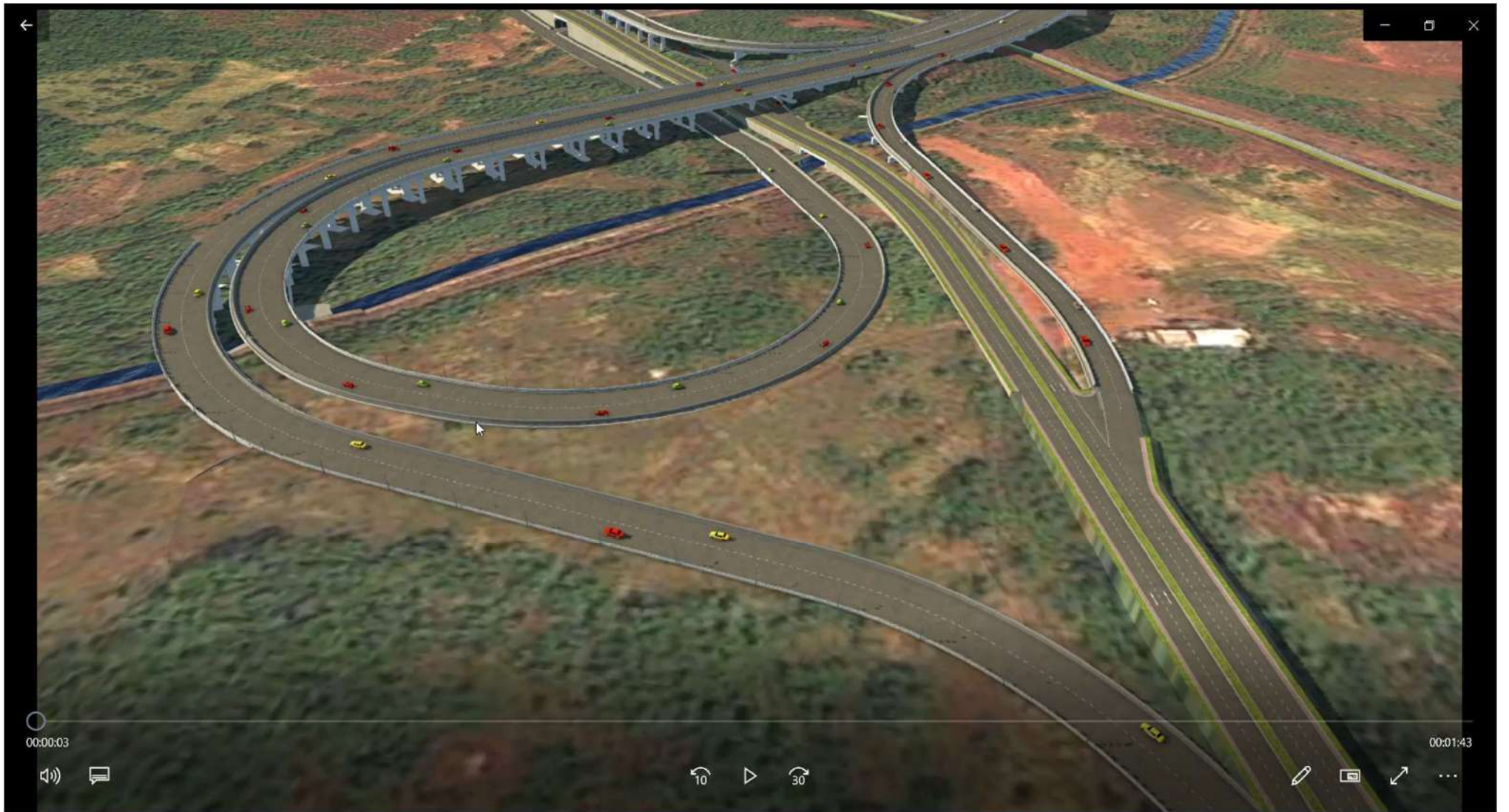
S. No.	Discipline	Exp (Years)	S. No.	Discipline	Exp (Years)
<b>Highway Design Team:</b>			<b>Project Management Team:</b>		
1	Chief Designer	27	19	Head- Project Management	40
2	Survey Engineer	25	20	Managing Director	27
3	CADD Manager	19	21	COO	26
4	Sr. CAD Draughtsman	10	22	Sr. Material Engineer	26
5	Asst. Highway Design Engineer	3	23	Director	20
6	Asst. Highway cum Pavement Engineer	3	24	Sr. Highway Engineer	19
7	Highway Design Engineer	2	25	Sr. Quantity Surveyor	19
8	Highway Design Engineer	2	26	Head- Business Development	19
9	Junior Engineer	2	27	Project Manager	15
10	Asst. Highway Design Engineer	1	28	Sr. Quantity Surveyor	12
<b>Bridge Design Team:</b>			29	Panning Engineer	11
11	Project Manager	27	30	Project Engineer	8
12	Sr. Bridge Design Engineer	23	31	Sr. Accountant	5
13	Asst. Bridge Design Engineer	3	32	Planning Engineer	3
14	Asst. Bridge Design Engineer	3	33	Project Coordinator	1
15	Bridge Design Engineer	2	34	GET	
16	Asst. Bridge Design Engineer	1	<b>Can mobilise additional resources depending on the Project Requirements</b>		
17	Asst. Bridge Design Engineer	1			
18	Asst. Bridge Design Engineer	1			



# RESOURCES

S. No.	Supplier	Software	Usage	Version	No. of Licenses
<b>Design Management (Highways &amp; Bridges):</b>					
1	Autodesk	Civil 3D	Highway Design	2020	5
2	Autodesk	Infraworks	Highway Conceptual design and 3D modelling	2020	2
3	Autodesk	Revit	Structure 3D Modelling	2020	2
4	Autodesk	AutoCAD	Draughting	2020	4
5	ZW Soft	ZW CAD	Draughting	2020	2
6	Bently	STAAD Pro	Structure Design and Analysis	2019	3
7	Midas IT	MIDAS Civil	Structure Design and Analysis	2020	4
8	Autodesk	Vehicle Tracking	Swept Path Analysis	2020	2
9	Autodesk	3Ds Max	Presentation	2020	2
10	Definitics Software Solutions, USA	Road Bounce	Ride Quality Management Software (IRI)	1.0.2	1
11	Logiroads, France	Logiroads	Road Inventory & Condition (Mobile App)	V 3.3	1
12	Logiroads, France	Logiroads	Road Inventory & Condition (Desktop Software)	V 3.9.7	1
13	Rubicon Solutions	Rubicon	Cloud based Pavement Design Software	V 2.0	1
14	Windows	MS-Office		2019	1
<b>Project Management:</b>					
15	Udemy Inc.	Primavera Project Planner	Project Management		
16	Autodesk	Naviswork	Building Information Modelling	2020	2







Saturday 11:58:09 AM 04-Mar-17 Day=235 Week=34

## BUILDING INFORMATION MODELLING - TEL

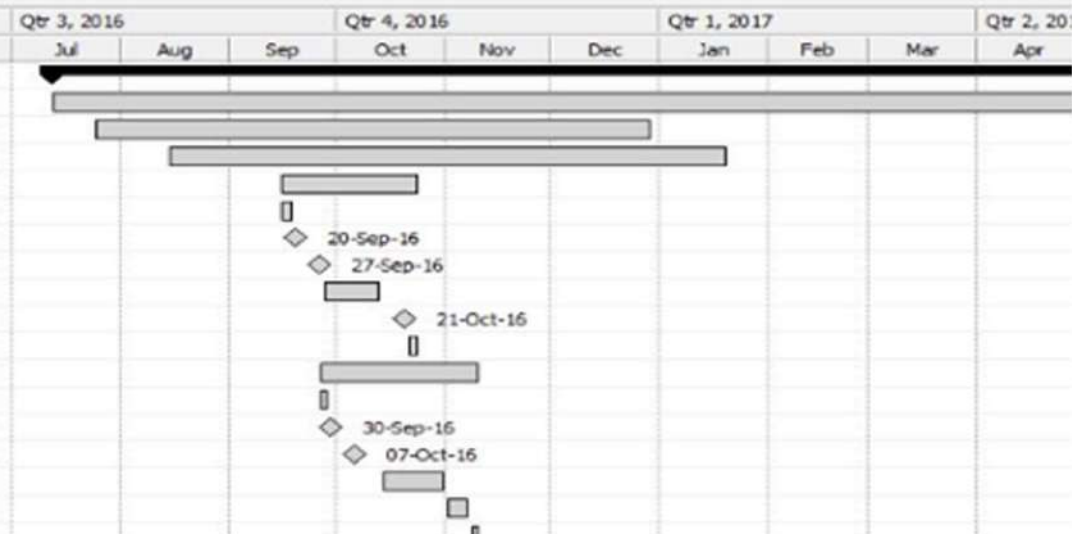
TimeLiner

Tasks Data Sources Configure Simulate

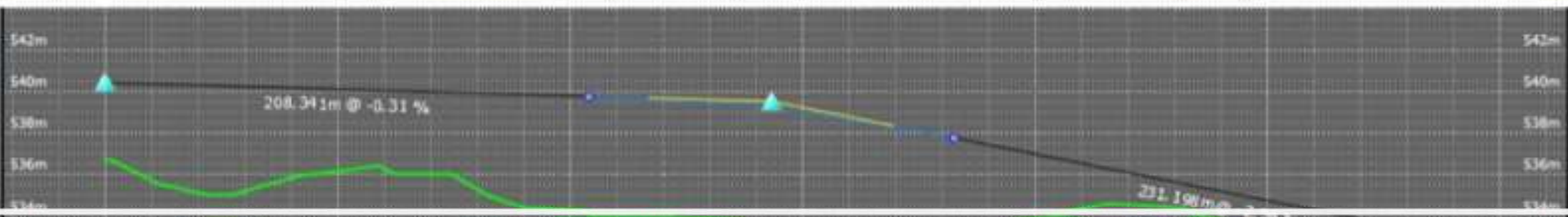
Add Task Attach -

Zoom:

Active	Name	Status	Planned Start	Planned End	Actual
<input checked="" type="checkbox"/>	<b>New Data Source (Root)</b>		13-Jul-16	30-May-17	13-Jul-16
<input checked="" type="checkbox"/>	Flyover at Ch. 237.035		13-Jul-16	30-May-17	13-Jul-16
<input checked="" type="checkbox"/>	Casting of girders 112 Nos		25-Jul-16	30-Dec-16	25-Jul-16
<input checked="" type="checkbox"/>	Stressing of girders 112 Nos		15-Aug-16	20-Jan-17	15-Aug-16
<input checked="" type="checkbox"/>	Abutment L A-1		16-Sep-16	25-Oct-16	16-Sep-16
<input checked="" type="checkbox"/>	A1-L_Excavation		16-Sep-16	19-Sep-16	16-Sep-16
<input checked="" type="checkbox"/>	A1-L_PCC		20-Sep-16	20-Sep-16	20-Sep-16
<input checked="" type="checkbox"/>	A1-L_Foundation concrete		27-Sep-16	27-Sep-16	27-Sep-16
<input checked="" type="checkbox"/>	A1-L_Abutment wall		28-Sep-16	14-Oct-16	28-Sep-16
<input checked="" type="checkbox"/>	A1-L_Cap with dirt wall		21-Oct-16	21-Oct-16	21-Oct-16
<input checked="" type="checkbox"/>	A1-L_Bearing pedestal		22-Oct-16	25-Oct-16	22-Oct-16
<input checked="" type="checkbox"/>	Abutment R A-1		27-Sep-16	11-Nov-16	27-Sep-16
<input checked="" type="checkbox"/>	A1-R_Excavation		27-Sep-16	29-Sep-16	27-Sep-16
<input checked="" type="checkbox"/>	A1-R_PCC		30-Sep-16	30-Sep-16	30-Sep-16
<input checked="" type="checkbox"/>	A1-R_Foundation concrete		07-Oct-16	07-Oct-16	07-Oct-16
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<input checked="" type="checkbox"/>	A1-R_Cap with dirt wall		02-Nov-16	08-Nov-16	02-Nov-16
<input checked="" type="checkbox"/>	A1-R_Bearing pedestal		09-Nov-16	11-Nov-16	09-Nov-16







KANDI - RAMSANPALLI







CONNECTIVITY  
TO MOPA  
AIRPORT



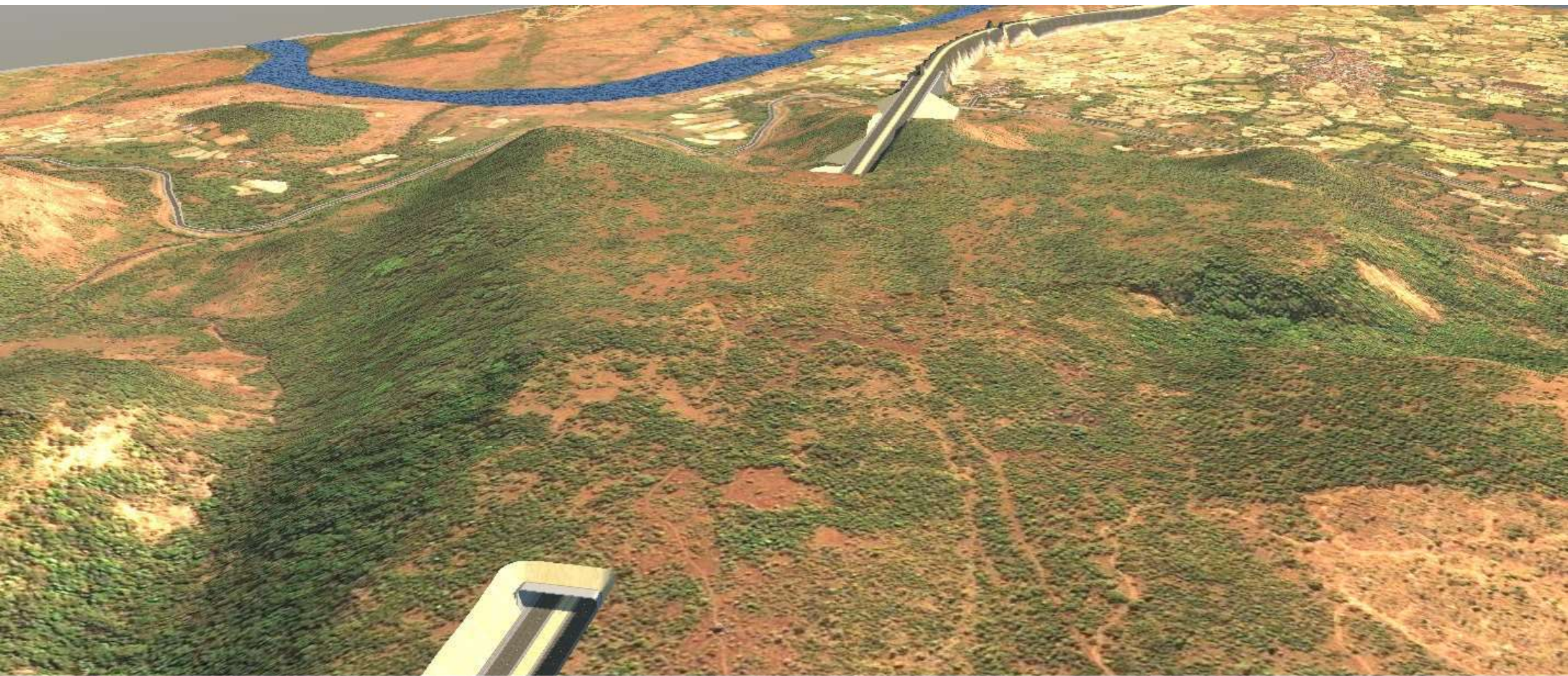


DURG – RAIPUR









SAMRUDDHI MAHAMARG - MSRDC





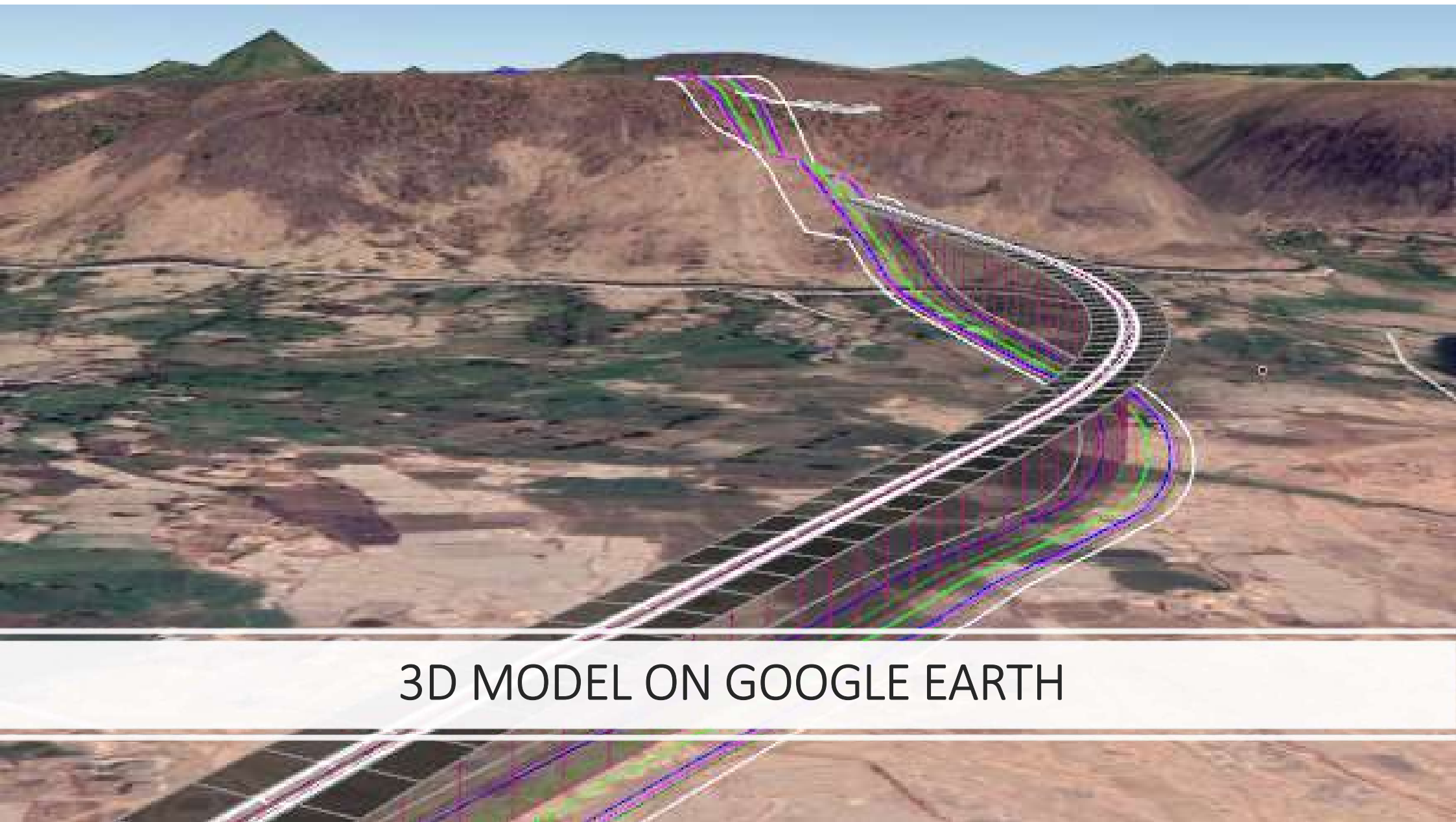
SAMRUDDHI MAHAMARG - MSRDC





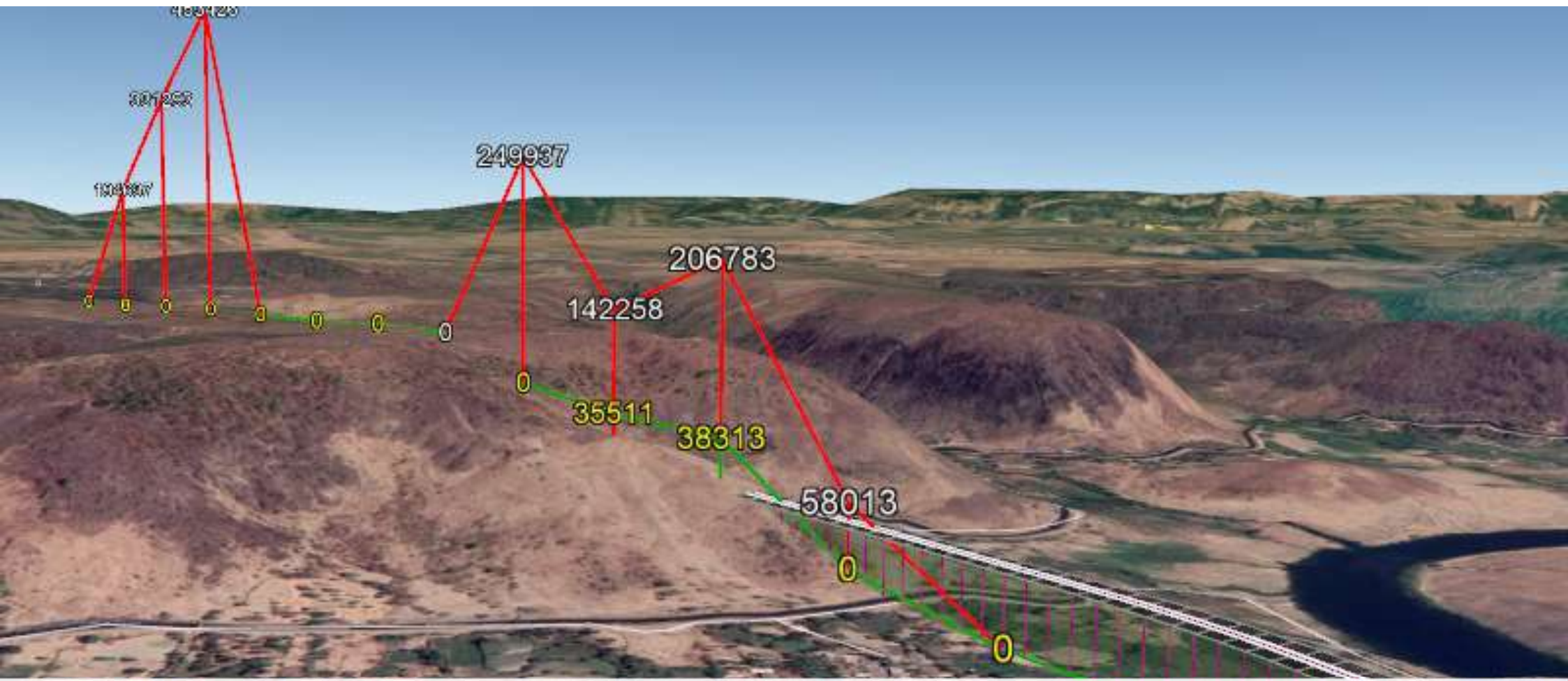
SAMRUDDHI MAHAMARG - MSRDC





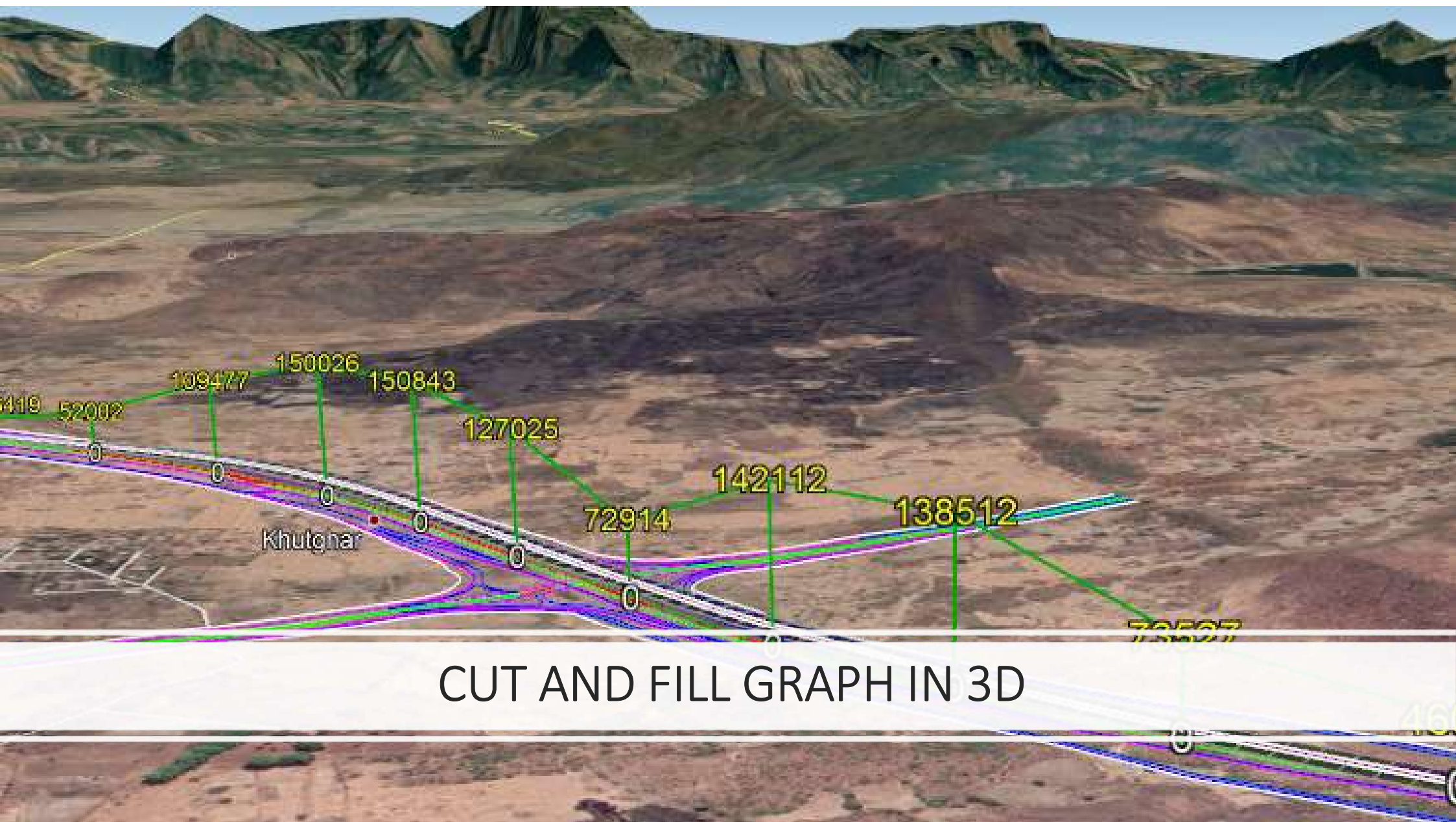
3D MODEL ON GOOGLE EARTH





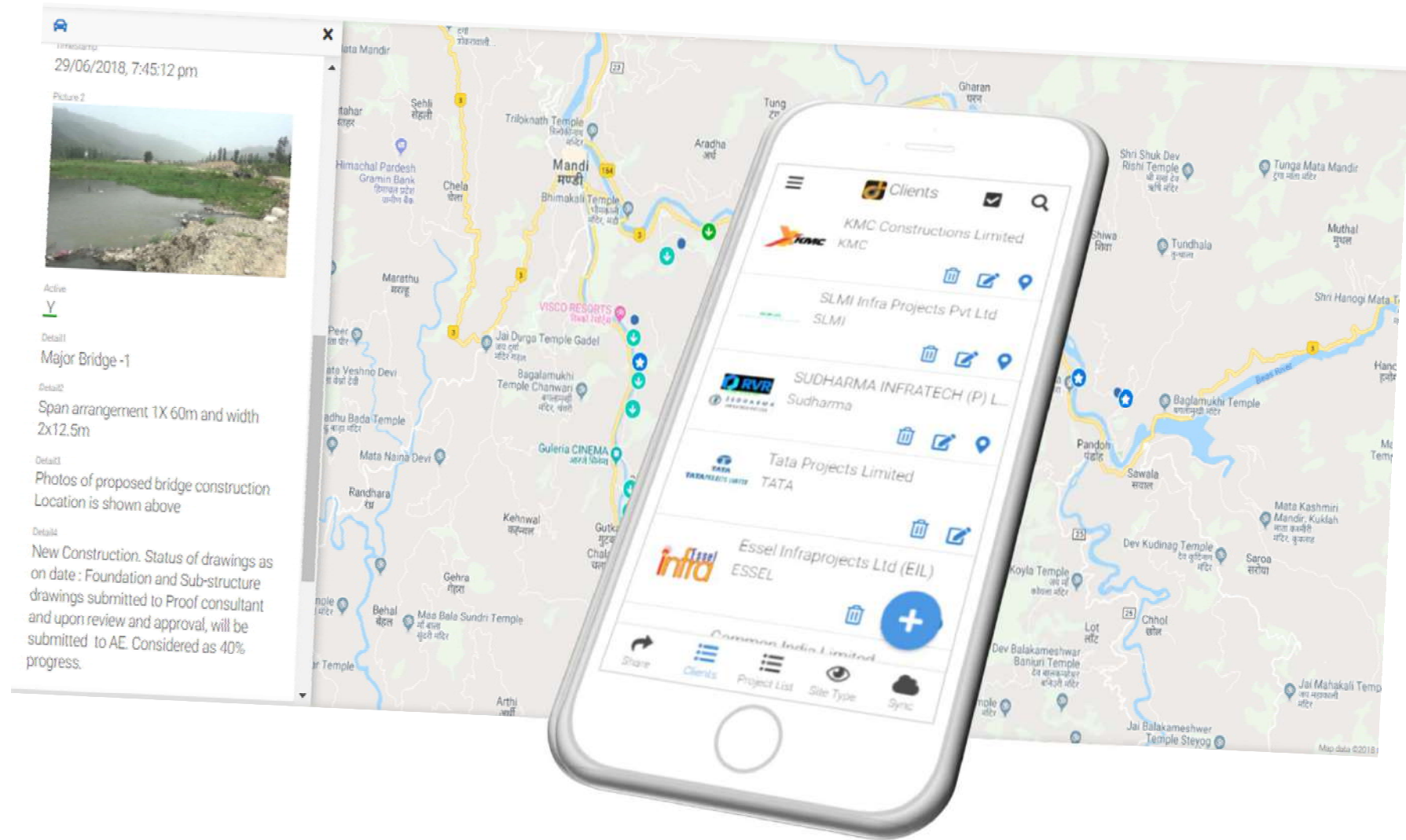
CUT AND FILL MASSHAUL DIAGRAM IN GOOGLE EARTH







# PROJECT MONITORING





# DESIGN MANAGEMENT

