



# SPARSH ENGINEERING COMPANY PVT. LTD.

## COMPANY -PROFILE-

From Concept  
To Creation....!!



### REGISTERED OFFICE :

Plot No. H/55, Harmu Housing, Colony,  
Near Nigam Park, Ranchi - 834002.  
Jharkhand (India) · Tel. : +91-651-2340659  
Email: [sparshengineering@gmail.com](mailto:sparshengineering@gmail.com)

## Message FROM BOARD



**Mr. Sudhir Kumar**

B.Sc. Engg. [Civil]  
R.I.T. Jamshedpur  
M.E. [Civil] Univ. of Roorkee



**Mrs. Shashi Srivastava**

M.A. [Philosophy]  
Magadh University

*With a dawn of more than a decade of continued service toward creation of a company for a goal of achieving excellence in providing technical services to clients with a vision to impart the educational practical and ethical problem solving skill, it would be my privilege to share the experience with all.*

*This company was started in the year 2004 under the aegis of our eminent technical colleagues in the newly formed state of Jharkhand. The challenges was to develop a sound technical team. Our commitment and focused effort on team development has turned us as a most reliable and authentic Consultant in the field of Highways, Railways, and Bridges.*

*Now we are expanding the team and the area of expertise with the support of our team members, who have inculcated themselves as dynamic role playing technocrats.*

*We always cherished for best quality of work, within the stipulated timeframe. These are our strengths and thus profession is our passion.*

*Wishing all the best.....*



## ABOUT US

Established in the year 2004, Sparsh Engineering Company Private Limited (SECPL) has emerged as a prominent, proficient and premier consulting organization providing a wide range of services in the field of infrastructure. SECPL provides end to end infrastructure services in the sector of Bridges, Highways, Railways and Urban Development. With immense and versatile competence in the area of consulting engineering, We provide services ranging from Pre-Feasibility Studies, and Feasibility Study, Detailed Engineering, Proof checking, Detailed Project Report, Construction Supervision and Project Management Consultancy for Central & State Government, Public Sector Undertakings and Major Private Sector.

## QUALITY POLICY

- SECPL intends to maintain a position of excellence in the all its activities and services that meet the agreed Expectations, Specifications and Requirements of our clients.
- To attain company objectives, SECPL management is committed to.
- Maintain an effective quality management system applying to al l our activities at all times.
- Enhance customer satisfaction through effective application of the system.
- Comply with all legislations, codes of practices, Indian Standards and Specifications.
- Seek to achieve and maintain practical methodologies suitable to site specific condition throughout all activities encompass under the project.
- Establish measurable quality targets & goals on an annual basis to ensure its policy objectives.
- Regularly review and revise this pol icy to ensure it remains current and relevant.
- Al l Personnel within the organization realize their responsibility for quality & accept the requirement to confirm the procedures contained in the quality manual & quality procedures.

## COMPANY DETAILS

Name of Company	:	Sparsh Engineering Company Pvt. Ltd.
Year of Establishment	:	25 <sup>th</sup> June '2004
Registered Office	:	H-55, Harmu Housing Colony, Near Nigam Park, Ranchi – 834 002, Jharkhand
GSTIN	:	20AAJCS3874L1Z2
PAN	:	AAJCS3874L
MSME	:	JH20E0025614 Dated 23.06.2020

## CORE VALUES



## OUR VISION

To earn the lifetime loyalty of our clients by consistently delivering frequent, high performing public transport services which offer excellent value.

## CAPABILITIES

Sparsh Engineering Company Pvt. Ltd. (SECPL) has provided consultancy services for highways and bridges project. These helped in providing better connectivity, prosperity and progress to the common people. The influx of funds generated provides increased mobility and safety resulting from a higher quality highway system, it also provides economic benefits in the form of national productivity and employment growth. SECPL has also strengthened its competency in the Urban Development for the benefit of lower societies. The benefits of infrastructure should not be viewed only as a short-term stimulus, but rather the long-run benefits should be recognized.

## SERVICES WE PROVIDE

### ROAD, HIGHWAYS & BRIDGES



- Reconnaissance • Topography Survey • Hydrology • Soil Investigation • Geotechnical Reports
- Bridge Design • Geometric Design • Route Alignment • Economic Analysis • Pavement Engineering • Project Management • Site supervision • Contracts & Tendering • Bid Process Management

### URBAN DEVELOPMENT



प्रधानमंत्री आवास योजना (शहरी)



- Programming, Designing and Implementation of the Project • Liasoning with associated govt. authority • Stakeholder meetings Social and Physical Survey • Preparation and approval of Inception Report and Detailed Project Report.

### RAILWAYS



- Feasibility studies • Design of Steel Structure
- Proof Checking & Value Engineering • Project management

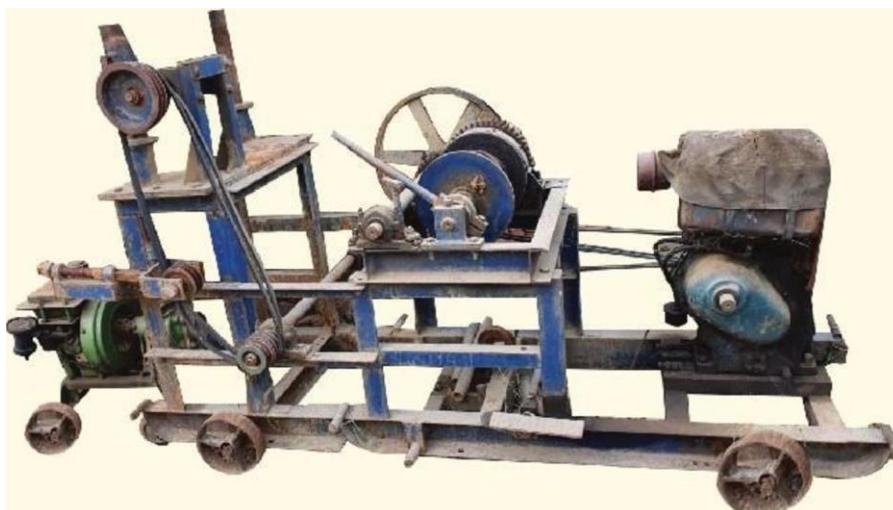
## PERSONNEL & EXPERTS



- Highway Engineers
- Structural Engineers
- Pavement Engineers
- Traffic & Transport Engineers
- Hydrologist
- Quantity Surveyors
- Architects
- Urban Planners
- CAD Specialist
- GIS Experts
- Resettlement & Rehabilitation Specialist
- Geotechnical Engineers

## LIST OF SURVEY & BORING EQUIPMENTS

- GPS
- Total Station
- Theodolite
- Distometre
- Hydraulic and Mechanical Boring Machine
- SPT Equipment



## SOFTWARE WE USE



LEAP Bridge



## LABORATORY TEST EQUIPMENT



- Field Vane Shear Test Apparatus
- Benkelman 's Beam
- Direct Shear Test Apparatus
- Tri Axial Test Apparatus
- CBR Test Apparatus
- Compression Testing Machine, Digital
- Loss Angeles Abration Machine



## EMPANELMENT

- Ministry of Road Transport and Highways (MORTH) under Category-II & IV
- Rural Works Department (RWD), Jharkhand
- Bihar Rajya Pul Nirman Nigam Limited (BRPNNL), Patna
- Jharkhand State Rural Road Development Authority (JSRRDA)
- Building Construction Department, Government of Jharkhand
- Infrastructure Development Authority (In various categories), Government of Bihar
- Road Construction Department (In various categories), Government of Jharkhand

## OUR CLIENTS



# LIST OF COMPLETED PROJECTS



## STATE HIGHWAYS AUTHORITY OF JHARKHAND (SHAJ)

### CONSULTING SERVICES AS AUTHORITY ENGINEER FOR

- Improvement to two lane with paved shoulder of the existing road Vikas – Bootymore - Kantatoli - Namkoom Bridge (ROB) Rampur Junction (Urban portion of NH-33) (approximate length of 25.35 Km).
- Widening and Strengthening of Khunti-Torpa-Koilbera Road from (0.00Km to 82.055 Km ) to two lane with paved shoulder on EPC mode.
- Widening and Strengthening of Dumka -Masaliya Nala Road upto West Bengal Border (Length: 55 km) to two lane with Paved shoulder under EPC mode.
- Construction supervision consultancy services for Improvement and up-gradation to 2 lane with earthen shoulder of Patratu-Hendegir-Macluskiganj Road Including Construction of Culverts & Bridges(Total Length 45 .08 1 km).

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

- Construction of an Elevated Corridor in Ranchi City from km 0.000 to km 3.570 of NH-75 including down ramp on NH-23 from km 0.000 to km 0.610 in the state of Jharkhand under EPC mode.
- Construction of ROB and its approaches in replacement of existing LC Gate No.- 9 (Rly Km 432/7-8) between Piska – Itaki Raliway Stations in Ranchi district at Km 14.730 of NH-23 in the State of Jharkhand.
- Construction of Ramp at Kothar (km 89+600 to 89+965) between existing ROB and VUP on NH-33 in the State of Jharkhand.

## BIHAR RAJYA PUL NIRMAN NIGAM LIMITED

- Feasibility study towards traffic solutions with two options and Preparation of PPR for expected 7 No's of flyovers at congestion places and throughout road from Gandhi Maidan to Danapur Auto-stand,7.2 Km stretch , in district of Patna.
- Preparation of DPR for construction of Approach Road including High Level RCC Bridge across the river of Harohar in village Sadai Bigha, Block Barahiya in district Lakhisarai in Bihar.
- Construction of 2 Lane with earthen shoulder Sasaram Bypass consisting : Phase I - from Beda to mokar via SH-17 & SH-12 on the bank of irrigation canal, Length 9.0 Km
- Consultancy Services for Preparation of DPR for Extension of Four lane Approach road of Aguwanighat - Sultanganj Ganga Bridge Project near Km 108+700 of NH - 80 to nearest point of Mirjachouki - Munger Byepass near Sultanganj (Including Rail over Bridge, Road over Bridge etc.)

## BIHAR STATE ROAD DEVELOPMENT CORPORATION LTD.

- Shuttering Design & Drawing for Improvement/Upgradation and Strengthening of Akbarnagar to Amarpur Road (SH-85), Package BSHP-III/4/SH-85.

## EAST CENTRAL RAILWAY, MAHENDRUGHAT, PATNA

Preconstruction survey, Detailed design of substructure, foundation and bearing of ROB after project study, traffic survey and topography , submission of BOQ and cost estimate for ROBs in Jharkhand state.



- ROB at Km 18.540 from C/L of Tori station Building in between Tori-Shivpur at Jogyadih.
- ROB at KM 9.955 from C/L of Tori Station Building in between Tori - Shivpur at Chorghariya.
- ROB in lieu of in between Matari-Gomoh
- ROB in lieu of in between Gomoh-Telo
- ROB in lieu of in between Gomoh-Khanudih
- ROB in lieu of in between Hazaribagh-Keshwari station
- ROB in lieu of in between Chota Ambana Pradhankhunta
- ROB at Ch. 1 8.950 Km in connection with construction of new B.G. railway line Koderma-Gridih section.

### **EAST CENTRAL RAILWAY, MAHENDRUGHAT PATNA**

- ROB at Ch 31.200 Km in lieu of unnamed L-xing No. 5 on black top road at Ch. 4.90 Km connecting with construction of new B.G. Railway line Koderma Giridih section.
- Design and drawing of Bridges at Km 57.558, Km 58.345, Km 58.775, Km 59. 1 1 7, Km 59.202, Km 59.545 and any othr structures in connection with construction of new BG line from KQr to Tilaiya new BG Rail Line project.
- Preparation of Structural Design & Drawing including Proof Checking by IIT/NIT for construction of Bridge No. 80 (2 x 30.5 m span), Bridge no. 81 (2 x 30.50m span) and Bridge no. 77 (2 x 30.50m span) in SKI - JJP section in connection with Gauge conversation of SKI - NMA section.

### **ROAD CONSTRUCTION DEPARTMENT, JHARKHAND**

- Consultancy Services for Preparation of Detailed Project Report (DPR) for Construction of Flyover/elevated road between Siramtoli Chowk to Rajendra Chowk with complete Land Acquisition Plan including Ownership details, Resettlement and Rehabilitation Plan etc. as required all complete as per latest guidelines, in Ranchi district in the state of Jharkhand.
- Construction of approach of proposed ROB at Manned Level Crossing No.- M.B-21 at Km 383/16-17 between Gola Road Railway Station (GRE) and Harubera Railway Station (HRBR) on Muri-Barkakana section under Ranchi Railway Division in the state of Jharkhand.

### **JHARKHAND URBAN INFRASTRUCTURE DEVELOPMENT COMPANY LIMITED**

- Consultancy Services for Preparation of DPR for widening of existing road to 4-lane road with median from Kutchery Chowk to Kantatoli Chowk via Circular road in Ranchi, Jharkhand.

### **ROAD CONSTRUCTION DEPARTMENT, NH DIVISION -2, BIHARSHARIF**

- Rehabilitation & Upgrading to 2 lane with paved shoulders configuration of NH 110 (from 15.00 to 35.00 KM) in Biharsharif, Bihar.

### **RURAL WORKS DEPARTMENT**

- DPR Preparation of more than 1500 Bridges under Mukhya Mantri Gram Setu Yojna in the State of Jharkhand.

### **JHARKHAND RURAL ROAD DEVELOPMENT AUTHORITY**

- DPR Preparation of more than length 1 500 Km Roads under Pradhan Mantri Gram Sadak Yojna in the State of Jharkhand.

### **VALECHA ENGINEERING LIMITED**

- Design and Drawing for Strengthening, Widening and Reconstruction of Ghaghra - Netarhat (SH - 9) Road to Two lane without paved Shoulder on Engineering Procurement & Construction (EPC) mode. (Total Length: 54.4 Km)

## ROYAL RCPL OV)

- Construction of High level Bridge with approach road over Koyal River between Sundipur and Pansa at Garhwa District on EPC Mode. (Length of Bridge: 1600m)

## RAJBIR CONSTRUCTION PVT. LTD.

- Construction of High level Bridge in Bikhi More (MDR- 1 20) Danda-Lalgarh-NH 75 in Danda Block (Garhwa-Parwa More Road Part) over Koel River Road Division Garhwa District on EPC mode. (Length of Bridge: 612m)

## LIST OF ONGOING PROJECTS

### OSS CONSTRUCTION PVT. LTD. – SPETSDORSTROY (JV)

- Design Director for Construction of 2 lane existing bypass of Rampur to be developed to 4 lane on EPC Mode in the State of Uttar Pradesh.
- Design Director for Four lanning of Karwar (Km 281.980 of NH-62 Nagaur Road) to Dangiyavas Section-Package-II (Design Length 30.093 Km) of Jodhpur Ring Road in the State of Rajasthan on EPC Mode under NHDP Phase-VII.
- Design Director for Construction of new 4 lane Prayagraj Southern Greenfield bypass from design Km 50+860 (near Nibi Kala Uperhar) to design Km 64+763 on NH-19 (near Khodaypur Kasaon) including Interchange loop at NH-19 (Total Length-14.980 Km) Pkg. 3 Ph. I in UP on EPC under BMP.

### JHARKHAND URBAN INFRASTRUCTURE DEVELOPMENT COMPANY UJIDCO) ON BEHALF OF DARASAW & COMPANY PRIVATE LIMITED

- Preparation of Housing for All plan of Action , Detail Project Report under Pradhan Mantri Awas Yojna (PMAY) for cluster I in Jharkhand in the field of various Urban Services and under Infrastructure Projects, Government of Jharkhand association with Darashaw Co. & Pvt Ltd.

### EAST CENTRAL RAILWAY, MAHENDRUGHAT, PATNA

- Conducting "Final Location Survey" (Approx 6.5 Km. length) along with preparation of L-Section, Yard Plans also "Design and drawings" of ROR, Major bridge, Minor bridges, RUBs and all relevant bridges for ROR in DOWN line to avoid surface crossing at Garhwa Road.
- Conducting "Final Location Survey", Design and drawings" and "Soil Exploration" along with preparation of L-Section & X-Section of Road & Railway line, Land Plans, Design and drawing of all Bridges & RE Wall also collecting all required input data for design near New Prop. ROB in lieu of LC No. 35/B/T (S&T No. 1 3/B/T) at Km.- 2 1 7I I 0-1 2 between Demu - Latehar Section and LC No. 39/Spl/T at Km. 1 20/3-4 PTRU Stn. Limit between Bhurkunda - Patratu in CIC Section of Dhanbad Division under Dy.CE/Con/BRKA of East Central Railway.

### EASTERN RAILWAY, SHEALDAH

- Construction of proposed Bridge No. 17A (UP Line) at KM 103.146 from Shealdah on Jalangi River in connection with Krishnagar-Bahardpur Section.



## IRCON INFRASTRUCTURE & SERVICES LIMITED

- Proof Checking for Construction of 69 Bridges along with Approach road on the Tamu - Kyigone - Kalewa Road section from Km 0.000 to Km 149.700 of Trilateral Highway in Myanmar.

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

- Proof Checking Consultancy for Rehabilitation and up-gradation of existing 2-lane to four lane standards from end of Kamakhyanagar bypass to Duburi Section of KM 335.946 to KM 388.382 of NH-200 (New NH-53) under NHDP Phase-III on EPC Mode Pkg-II.

## NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

- Proof Check Consultancy for Two Laning of Imphal – Moreh Section of NH 39 (Package II) from Km 350.000 to Km 395.680 in the State of Manipur under EPC Mode.

## IRCON INTERNATIONAL LIMITED

- Proof Checking Consultancy for Construction of Eight Lane Vadodra Kim Expressway from KM 323.00 to KM 355.00 (Sanpa to Padra Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase VI on EPC Mode.

## DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED:

- Preparation of General Arrangement Drawings for proposed Road Under Bridge in lieu No. of existing Level Crossing between Dankuni to Gomoh on Eastern Dedicated Freight Corridor comprising of engineering survey, preparation of General Arrangement Drawings and getting the GADs approved from DFCCIL, concerned state government and railway authorities etc. including temporary diversion, temporary level crossing etc. (Total 34 Nos.)
- Preparation of General Arrangement Drawings for proposed Road Under Bridge in lieu No. of existing Level Crossing between Gomoh to Sonnagar on Eastern Dedicated Freight Corridor comprising of engineering survey, preparation of General Arrangement Drawings and getting the GADs approved from DFCCIL, concerned state government and railway authorities etc. including temporary diversion, temporary level crossing etc. (Total 51 Nos.)
- Preparation/making and developing all the General Arrangement Drawing (GAD) for important/major bridge as per SOD/DFCCIL with 32.5 Ton Axle Load condition for extension of existing bridge of separate bridge for construction in between Dankuni-Sonnagar Phase-I & Phase-II section as per proposed DFCCILs alignment under CGM/KKK. (Total 102 Nos.)

## BIHAR STATE ROAD DEVELOPMENT CORPORATION LIMITED, PATNA

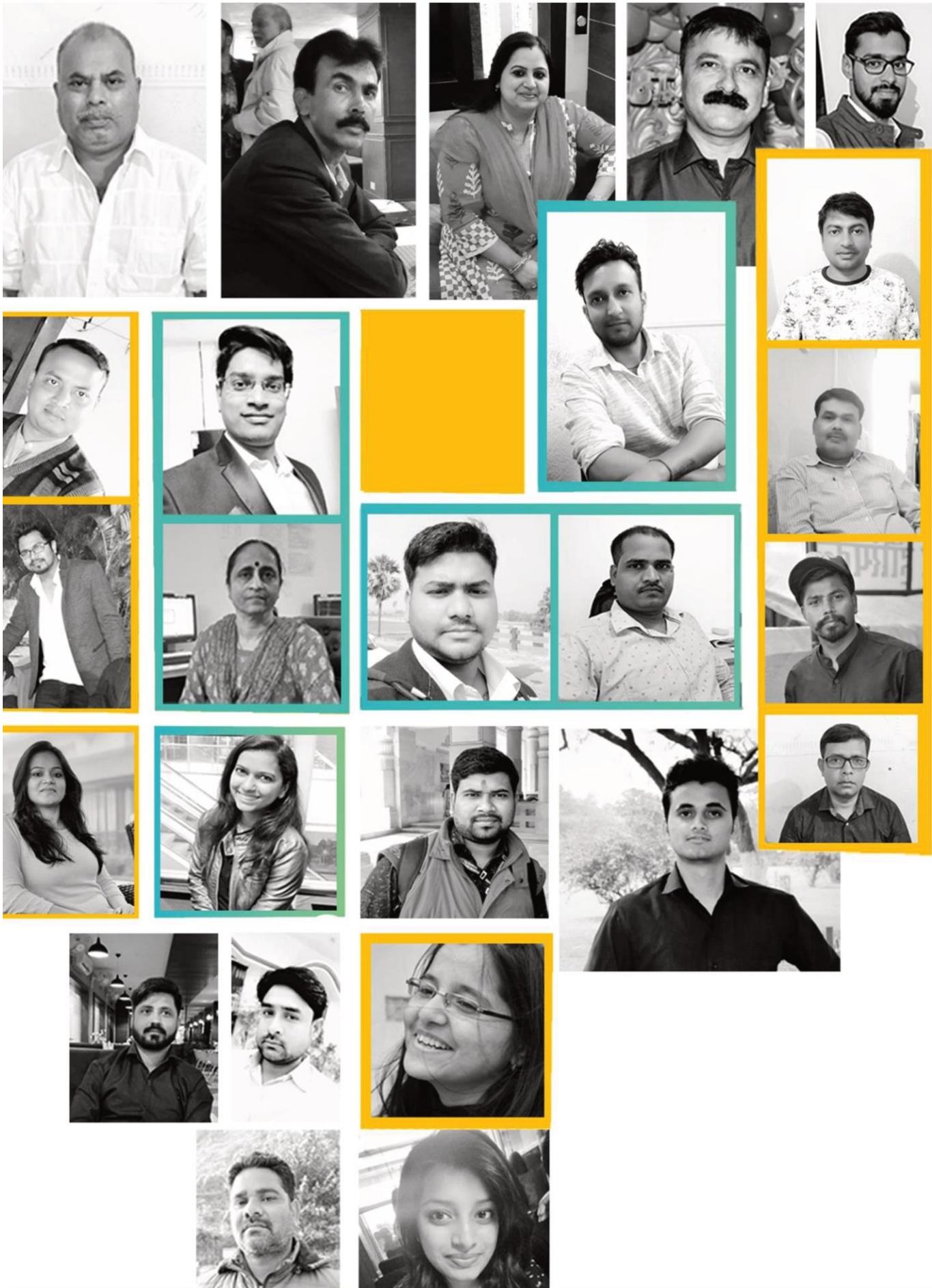
- Consultancy Services for Feasibility Study and Preparation of Detailed Project Report for Elevated Road cum at Grade Road over Badshahi Nala in Patna
- Consultancy Services for Feasibility Study and Preparation of Detailed Project Report for construction of Four Lane Road over Kurji Nala in Patna
- Consultancy Services for Feasibility Study and Preparation of Detailed Project Report for Four Lane Elevated cum at Grade Road over Saidpur Nala in Patna
- Consultancy Services for preparation of Detailed Project Report for "Construction of approach road of two ROBs in lieu of LC 11C at Guraru-Ismailpur section (Railway km 49 1 /27-29) Gaya district over SH-69 and LC 1 9B Ismailpur-Rafiganj section (Railway km 506/5-7) Aurangabad district over SH-68 (Approx. total length of approach road at both side is 1000m of each ROB)

- Consultancy Services for Preparation of DPR of High Level RCC Bridge in place of damaged Screw Pile Bridge at 42th KM of Kishanganj- Taiyabpur- Thakurganj - Galgaliya Road in the district of Kishanganj.
- Preparation of DPR for construction of approach road of ROB in lieu of level crossing no 38-B at KM 557/17-19 between station Danapur & Neora on major district road connecting to NH-98.
- Preparation of DPR for construction of approach road of ROB in lieu of level crossing no. 39-C at KM 566/0-1 between Karwandiya-Mugalsarai Railway line in Rohtas district.
- Preparation of DPR for construction of ROB with approach road between Kundalpur - Pawapuri path in Nawada district.
- Construction of ROB in Madhepura - Patraghat in Lieu no of Level Crossing no - 90B/T-2at KM 77/9 -78/0 between DMH-BDMA station Saharsa - Purnia Section
- Construction of 2 Lane with earthen shoulder Sasaram Bypass consisting of :  
Phase-II - from Mokar to old G.T. road via Bamanpurva Pul, Karwandiya & Amara talab on the bank of irrigation canal and RWD road (including Rail over Bridge, Road over Bridge etc.), Length = 13.06Km
- Construction of ROB at LC no. 55 between Kiul-Kundur-Jamui road in the district of Lakhisarai under Danapur Railway Division
- Construction of Via-duct and Approach at Level Crossing 21A (ROB) at Taregna, NH-83 Leftover Portion in Patna District.

## ROAD CONSTRUCTION DEPARTMENT, JHARKHAND

- Consultancy services for preparation of Detailed project report Bagodar–Barmashiya-Manikadih kowar pachamba Road, (From Barmashiya-Manikadih To kowar) (Approx. 35 Km) in Giridih District, State of Jharkhand.
- Consultancy services for preparation of Detailed project report for Service lane, Children park, Fountain and Pedestrian walkway (FOB) etc. on Ranchi – Hazaribagh Road (NH-33) near Tropic of Cancer (Ormanjhi)
- Consultancy services for preparation of Detailed project report for construction of approach Road from near to keredari gate of Hazaribagh-Tandawa road to Keredari coal mining block be upgraded into Four Lane including replacement of culverts and bridges.
- Consultancy services for preparation of Detailed project report for Geometric & Aesthetic improvement and Strengthening- Widening /Re-construction to 4-Lane of following roads including Cycle Track and pedestrian track:- (a) Birsa chowk (HEC Gate) to Project Building Mantralaya road .Length-4.4 Km (b) Project Building Mantralaya to Chandni Chowk including ROB,RUB. Length-2.2 Km.
- Consultancy services for preparation of Detailed project report for Geometric & Aesthetic improvement and Strengthening- Widening/Re-construction of existing road to Two lane/Two lane with PS/4-Lane of following roads including Pedestrian track,Cycle track:- (a) Vivekanand school more to naya sarai Ring road in Ranchi, including Pedestrian track,Cycle track .Tentative Length-8.0 Km (b) Shalimar Bazar Chowk Dhurwa to JSCA stadium including approach road with Pedestrian Track, Cycle track. Tentative Length-3.0 Km.

- Consultancy services for Preparation of Detailed Project Report (DPR), for Construction of H.L. bridge over Gunga Nala in 5th Km of Angarha-Hahe-Rahe road including ROB/RUB in its approach towards Hahe, Land Acquisition proposals, Resettlement and Rehabilitation Proposal & Forest Division Proposal under Road Division Ranchi (Rural) in the state of Jharkhand.
- Consultancy Services for Preparation of Detailed Project Report (DPR) for construction of Flyover/Level Separator at Argora Chowk in Ranchi City with complete Land Acquisition Plan including ownership details, Resettlement and Rehabilitation Plan etc as required all complete as per latest guidelines, in Ranchi district in the state of Jharkhand . (Tentative Length -1.5 Km).
- Consultancy services for Feasibility Study and preparation of Detailed project report for road connecting 7th Km of Gola-Muri road to Barlanga-Nemra proposed road avoiding Railway level crossings including replacement of culverts and bridges, construction of new culverts and bridges, complete Land Acquisition Plan including ownership details all complete as per latest guidelines, Resettlement and Rehabilitation Plan and Forest Diversion Proposal etc as required, at Ramgarh in the state of Jharkhand. Tentative Length -15 Km.
- Consultancy services for preparation of Detailed project report (DPR)for W/S & Reconstruction of (A) PWD Road khajuriya-Barmasiya-sawlapur-Junatola-Phusro Pahad To Taljhari Block PWD Road (B) PWD Road Pirdaag (Pir Dargah) Simaljodi-saheli Taljhari Block to Karanpura PWD Road including replacement of Culverts, Bridges land Acquisition proposal Rehabilitation and Resettlement and Forest Diversion proposal(if any) under road division Sahibganj in the state of Jharkhand.
- Consultancy Services for Preparation of Detailed Project Report (DPR) for the following High Level Bridge at 19th km over Damodar river (with approach road both side) in Tandwa Raikhelari road, District Chatra in the state of Jharkhand.
- Consultancy services for preparation of Detailed project report for Aesthetic improvement and Widening- Strengthening- of (a) Argora Chowk to Kadru over bridge via Ashok nagar road-Tentative Length -03 Km and (b) Mecon chowk to Birsa chowk road-Tentative Length-03 Km, including replacement of culverts and bridges, proposal of new culverts and bridges, Grade Separators etc if required,including Walk Through Presentation of the project before higher authorities, carry out detailed videography through Drone ,complete Land Acquisition Plan including ownership details all complete as per latest guidelines, Resettlement and Rehabilitation Plan etc as required, at Ranchi in the state of Jharkhand.



## SPARSH ENGINEERING COMPANY PVT. LTD.

RANCHI

Email : [sparshengineering@gmail.com](mailto:sparshengineering@gmail.com) ; Tel.No. 0651-2340659