

SCON PRIVATE LIMITED



HOUSE NO. L2/11, BESIDE TEMPLE, SOUTH SRIKRISHNAPURI, PATNA - 800 001

INTRODUCTION

SCON PRIVATE LIMITED is an established consultancy organization engaged in preparation of structural-designs-drawings-estimates of R.C.C. Residential and Commercial Buildings, Community Halls, Industrial Buildings, Steel Structures, Water Tower, R.C.C. & PSC Bridges, Roads and other innovative structures backed up with latest know-how, proficient personnel and necessary equipment.

SCON PRIVATE LIMITED is registered under company Act 1956 for the purpose of involvement into various engineering consultancy works including planning, investigation and designs.

SCON PRIVATE LIMITED is a team of qualified and experienced Civil Engineers exposed to planning and structural design of variety of structures, their detailing with latest analysis-design construction technique. SCON PRIVATE LIMITED is organized with Engineering Section, Computer Section and Drafting Section.

SCON PRIVATE LIMITED has been involved in structural designing, detailing and supervision of major residential building projects at Patna, Hazipur, Gaya, Jamshedpur, Dhanbad, Ranchi, Varanasi and a few in Delhi. We have been designing numerous industrial building projects in Bihar, UP and Delhi. We are responsible for successful completion of a few bridge projects. Our projects belong to private, semi government and government sector. Some of the projects performed by us are listed on the following pages.

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ORGANISATION

NAME SCON PRIVATE LIMITED

REGISTERED OFFICE House No. L2/11, Beside Temple,

South Srikrishnapuri,

Patna - 800 001

REGISTRATION NO Registered under Company Act 1956.

Registration No-03-03100 of 1988-89.

ENGINEERING SECTION Five Structural Engineers

DRAFTING SECTION Five experienced Structural Draftsman as full timer and two

draftsmen as part timer. All are well experienced in carrying out Structural working drawings of best quality. We possess all necessary

equipments required for drafting.

OUR COMPUTER SECTION

HARDWARE

Lap Top - two nos

Core 2 duo - eleven nos

Dot Matrix Printer - one no.

Laser Printer - one no.

Laser Printer Drafter - one no.

SOFTWARE

IN HOUSE DEVELOPED

- Analysis and Design of R.C.C. Frames
- Analysis and Design of Open-Pile-Well Foundation Systems
- Analysis and design of R.C.C. and Steel Structural Elements
- Analysis of Bridge Sub-Structure-Superstructure
- Analysis of Water Tower Elements
- Continuous refinement and addition of software

SOFTWARE

FROM MARKET

- STAAD-pro 2006 from Research Engineers
- STAAD-foundation from Research Engineers
- STRUDS- Latest version from soft tech Engineers
- ESR GSR- Latest version from soft tech Engineers AutoCAD 2006

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CONCEPTUAL APPROACH OF STRUCTURAL DESIGN

TYPE OF BUILDING STRUCTURE

A synopsis containing our approach to the structural designs of the two type of structures 1. Load bearing masonry wall structure and 2. Framed type structure is explained herewith. The structural design and method of construction of these two types of structures will be different. A separate paragraph includes our approach to foundation designs.

STAGES OF STRUCTURAL DESIGNS FOR RCC FRAMES

STRUCTURAL PLANNING

- Layout of columns and fixation of grid lines
- Grids generally lie between 2.5 to 6.0 meters
- Tentative column sizes 250/350 to 250/750
- Expansion joints at 150 feet interval or at change in shape/size of building
- Layout of beams at different floors
- Tentative beam sizes 250/300 to 600/600
- Layout, level and thickness of slab panels
- Slab thicknesses generally lie between 100 to 120 mm
- Toilet slabs depressed for 300 to 500 mm
- Overhead water tank, lift m/croom and ducts
- Major architectural facade

PREPARATION OF GEOMETRIC DATA

- Plane vertical frames in orthogonal horizontal directions are formulated so that original structure is achieved on superimposition
- Alternatively if necessary instead of plane frame space frame in three directions may be formulated
- All plane frames are marked and drawn with height and span
- Heights generally lie between 3.0 to 3.3 meters
- Joints and member numbers are marked appropriately.
- Member sizes and end conditions are noted over each frame

PREPARATION OF LOAD DATA

DEAD LOAD AND LIVE LOAD

- Loads over different slab panels
- Load from brickwork and self weight of beams
- Impact load from lift machine
- Load from water tank
- Loads over beams at different floors
- Summarized and noted over sketched plane frame

WIND LOAD

- Computed as per IS 875-1987 over whole building
- Apportion to plane frames in both directions
- Noted over plane frames at different floors

SEISMIC LOAD

- Computed as per IS 1893-2002 over whole building
- Apportion to plane frames in both directions
- Noted over plane frames at different floors.

ENTRY OF GEOMETRIC AND LOAD DATA INTO COMPUTER ANALYSIS OF FRAME

 May be either separately for dead load, live load, wind load and seismic load or desired combinations thereof.

ANALYSIS CONSISTS OF

- Formulation of slope deflection equations
- Solution of equations for translations and rotation
- Computation of joint forces
- Computation of net forces at various cross sections of different element of frame by superimposition of span loads over joint forces developed
- Combination of loads as per IS 456-1978 limit state method
 - 1.5 x (dead load + live load)
 - 1.5 x (dead load + wind / seismic load)
 - 1.5 x (dead load wind / seismic load)
 - 1.2 x (dead load + live load + wind / seismic load)
 - 1.2 x (dead load + live load wind / seismic load)
- Selection of critical forces at different sections of beam and column

REVIEW OF COL BEAM SIZES AND LOADINGS

FINAL ANALYSIS AND DESIGNS

DESIGN OF SLAB PANELS

DESIGN OF SECONDARY BEAMS, LINTELS AND FACADE

DESIGN OF RCC BEAMS

 As per IS 456-1978 for critical forces such as moment, shear, axial force and torsion

COMPUTATION OF CRITICAL FORCES OVER COLUMN

- Sum up column load at different floors from orthogonal directions
- Design of columns at floors and details

FOUNDATION DESIGN

- Sum up of column load at foundation level
- Design of foundation types comparison and selection
- Resistance in bearing, skin friction and settlement computed with

- I.S. 1904-1986 General Requirements
- I.S. 6403-1981 Shallow Foundation
- I.S. 2911 part III Bored cast in situ under reamed piles
- I.S. 2950 part I 1981 Raft foundation
- I.S. 8009 part I 1976 Settlement of shallow foundation
- I.S. 8009 part II -1980 Settlement of deep foundation

DETAILING OF REINFORCEMENT

- Concrete in itself is a brittle material. An overall ductile behavior
 of structure is achieved through proper bar detailing.
- Layout of reinforcements in one way & two way slabs
- Layout of reinforcements in beams for different end conditions
- Bending of reinforcements lapping and cranking.
- Corner bars at opening
- Anchorages of stressed beam bars into columns
- Continuous pars at beam column joints
 - Layout of column ties
 - Curtailment of column bars
 - Clear cover to reinforcements
 - Minimum requirements of steel

LOAD BEARING MASONRY WALL STRUCTURE

These structures require special attention regarding differential settlement of Foundation systems. Strength of Bricks used for masonry needs to be sufficiently strong to sustain the load coming on the wall from super structure. Dead Loads and Live Loads over the wall of unit length is computed and then the wall is designed to sustain these loads. Similarly, R.C.C. Roofs will be designed for their edge conditions as per relevant IS Codes. The provisions to resist seismic forces will be made as per the National Building Code of India.

FOUNDATION DESIGN

The type and choice of Foundations for various types of structures largely depend upon the subsurface condition, stratification, soil characteristics, nature and type of load and the structural arrangements of the buildings.

In load bearing wall type of structure either shallow strip or stepped foundations or a series of closely spaced short under reamed cast in situ piles connected with capping beams will be opted depending upon the nature of soil strata below walls. Assessment of differential settlement and layout of foundations are done before deciding the geometric section of foundation.

RCC frame structures are generally provided with Isolated Footings, Combined Footing or a group of Piles connected with Pile Cap depending on the resistance of underlying subsurface strata. Bearing capacity, settlement and soil stratification are key factors.

BRIEF LIST OF PROJECTS

Part A. RESIDENTIAL AND COMMERCIAL COMPLEX

Name of Project NAVODAY VIDYALAY
 Location At Latehar & Purnea

Client Hindustan Steelworks Cons. Ltd. Ranchi

Architect CPWD Utility School

Structure R.C.C. Frame & Load Bearing Wall Foundation Pile and Shallow Foundations

Approx. Cost Rs. 9.00 crore

Scope of work complete design consultancy

Consultancy fee Rs 6.00 lac Completion Timely



2. Name of Project Mahavir Mandir Location Patna Architect Dr. Ranjan



3. Name of Project Location Sri Ram Mall Dhanbad 4. Name of Project OFFICE OF INTERMEDIATE COUNCIL

Location Budh Marg, Patna
Client M/s. Lall & Associates
Architect M/s. Lall & Associates

Contractor HSCL
Utility Offices
No. of Floors G + 8

Built Up Area 80,000 Sft. Approx Structure Frame Structure Foundation Pile Foundations Approx. Cost Rs. 2.5 crore

Scope of work struct. design consultancy

Consultancy fee Rs 0.50 lac Completion Timely



5. Name of Project Vasundhara Place Location Ashiana Nagar Road, Patna



 Name of Project Location Prakash Deep Enclave Ashiana Nagar Road, Patna 7. Name of Project DAUJI COMPLEX (MADHUBAN APARTMENT)

Location Varanasi

Client Manay Developers Pvt.Ltd. Patna

Architect M/s. Smriti Architect Pvt.Ltd.

Utility Residential cum Commercial Complex

No. of Floors G+8

Built Up Area 50,000 Sft Structure RCC Frame

Foundation Under-reamed pile with pile cap



Name of Project Maruti Service Centre
 Location Ashiana Nagar Road, Patna



9. Name of Project Maruti Show Room Location Near Dak Banglow, Patna

10. Name of Project Vatika Residency, Location Jamshedpur 11. Project OFFICE BUILDING OF STATE BANK OF INDIA

Location Saharsa

Client Ashis K. Srivastava & Associate
Architect Ashis K. Srivastava & Associate

Utility Office

Structure Frame Structure

Foundation Isolated & Combined Footing.

Approx. Cost Rs. 25 lac

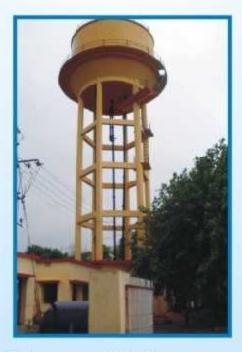
Scope of work struct. design consultancy

Consultancy fee Rs 0.30 lac Completion Timely



12. Name of Project Location

Kaushiya Estate Near Dak Banglow, Patna



13. Name of Project Location Water Tower High Court, Patna 14. Name of Project U H F BUILDING FOR I.O.C.

Location AT BKPL, Patna

Client Indian Oil Corporation Ltd, Barauni

Architect M/s. Scon Private Limited

Utility Office Complex

No. of Floors G+3

Built Up Area 10, 000 Sft. Approx.

Structure R.C.C. Frame

Foundation Under-reamed pile with pile cap

Approx. Cost Rs. 20 lac

Scope of work Complete design consultancy

Consultancy fee Rs 0.30 lac Completion Timely



15. Name of Project Was Location Neh

Water Tower Neharu Nagar, Patna



16. Name of Project Location Lalit Bhawan Bailey Road, Patna 17. Name of Project KASHI PLACE Location Patna

Client Sudarshan Housing & Finance (I) Ltd.

Architect M/s. Kapoor & Associates

Utility Hostel & Offices

No. of Floors G + 4 Structure RCC Frame

Foundation Under-reamed pile with pile cap



18. Name of Project Vasundhara's Mall Location Boring Road, Patna



19. Name of Project Sisaudiya Complex Location Boring Road, Patna

20. Name of Project BUILDING FOR TOURISM CORPORATION. BIHAR
Location Dhanbad & Bodh Gaya
Client M/s. Kapoor & Associates
Architect M/s. Kapoor & Associates
Utility Hostels
No. of Floors G + 1
Built Up Area 10,000 Sft

Structure RCC Frame Foundation Shallow Foundation

Approx. Cost Rs. 30 lac Scope of work struct, design consultancy

Consultancy fee Rs 0.20 lac Completion Timely 21. Name of Project Ashiana Orchid

Location Grater Noida, New Delhi

22. Name of Project FLATS FOR POWER GRID
Location Karbigahiya, Patna
Architect M/s. Kapoor & Associates

Utility Residential Flats

 $\begin{array}{lll} \text{No. of Floors} & \text{G} + 4 \\ \text{Built Up Area} & 30,000 \text{ Sft} \\ \text{Structure} & \text{Frame Structure} \end{array}$

Foundation Under reamed pile with pile cap

Approx. Cost Rs. 1.0 crore

Scope of work struct, design consultancy

Consultancy fee Rs 0.30 lac Completion Timely



23. Name of Project Location

Vasundhara Pearl Court Boring Road, Patna



24. Name of Project Location Commercial Complex Boring Road, Patna 25. Name of Project INDIAN OIL CORPORATION BUILDING

Location Patliputra Colony, Patna
Client Manav Developers Pvt.Ltd.
Architect M/s. Smriti Architect Pvt.Ltd.

Utility Residential Complex

 No. of Floors
 G + 7

 Built Up Area
 33,000 Sft

 Structure
 RCC Frame

Foundation Under-reamed pile with pile cap

Approx. Cost Rs. 1.1 crore

Scope of work struct, design consultancy

Consultancy fee Rs 0.35 lac Completion Timely



 Name of Project Location Rajendra Pam Plaza Exhibition Road, Patna



 Name of Project Location Vishal Mega Mart Frazer Road, Patna 28. Name of Project SOUTH-SIDE EXTENSION OF PATNA JUNCTION

Location Railway Station, Patna

Client Eastern Railway, Danapur, Patna Architect M/s. Sen & Lall Consultants Pvt.Ltd.

Utility Office Building

No. of Floors G+4Built Up Area 80,000 Sft Structure RCC Frame

Foundation Under-reamed pile with pile cap

Approx. Cost Rs. 2.2 crore

Scope of work struct design consultancy

Consultancy fee Rs 0.25 lac Completion Timely



29. Name of Project Dumrao Kothi Location Frazer Road, Patna



30. Name of Project Location

J. D. Women's College Bailey Road, Patna 31. Name of Project TATA WARD

Location P.M.C.H. Campus, Patna
Client Ashiana Homes Pvt. Ltd, Patna
Architect M/s. Sen & Lall Consultants Pvt.Ltd.

 Utility
 Hospital

 No. of Floors
 G + 2

 Built Up Area
 15,500 Sft

 Structure
 RCC Frame

Foundation Isolated & Combined Footing

Approx. Cost Rs. 1.25 crore

Scope of work struct, design consultancy

Consultancy fee Rs 0.41 lac Completion Timely



32. Name of Project J. P. University, Location Chapra



 Name of Project Ashiana Aangan, Location Bhiwadi, Rajasthan

34. Name of Project SANTOSHA COMPLEX
Location Patna
Client Sudarshan Housing & Finance (I) Ltd
Architect M/s. Kapoor & Associates
No. of Floors Basement + G + 5
Structure RCC Frame
Foundation Under-reamed pile with pile cap



35. Name of Project REGENCY GARDEN

Location Pathputra Colony, Patna

Client Ashiana Housing & Finance (I) Ltd
Architect M/s. Sen & Lall Consultants Pvt. Ltd.

Utility Residential Complex

No. of Floors G+9

Built Up Area 75,000 Sft

Structure RCC Frame in two blocks with expansion joint

Foundation Under-reamed pile with pile cap

max no of pile in a group was seven.

Approx. Cost Rs. 1.5 crore

Scope of work struct, design consultancy

Consultancy fee Rs 0.53 lac Completion Timely.

36. Name of Project LOCO SHED at Gomoh

Location Eastern Railways, Gomon, Dhanbad

Client Eastern Railways

Associated with Agency Foundation

Engineers, Patna

Utility Repair/Maintenance of Loco

Built Up Area 75,000 Sft
Structure Steel Structure
Foundation pile with pile cap
Approx. Cost Rs. 5.0 crore

Scope of work struct, design consultancy

Consultancy fee Rs 0.55 lac Completion Timely



37. Name of Project Location

Ashiana Wood Land Jamshedpur



39. Name of Project
Location
Client
Architect
Utility
No. of Floors
Built Up Area
Structure

Foundation

ASHIANA GARDEN
Jamshedpur (Entire Colony)
Ashiana Housing & Finance (I) Ltd
M/s. Sen & Lall Consultants Pvt.
Residential Complex
G + 4
3, 50,000 Sft.

Isolated & Combined Footing

RCC Frame



39. Name of Project Vijaya Garden
Location Baridih Jamshedpur



40. Name of Project Ashiana Enclave Location Jamshedpur

41. Name of Project KULHARIA COMPLEX
Location Patna
Client Sudarshan Housing & Finance (I) Ltd
No. of floors Basement + G + 4
Structure RCC Frame
Foundation Under-reamed pile with pile cap



42. Name of Project

Vijaya Green Earth, TATA



43. Name of Project Sushant Hotel, Dhanbad

44 Name of Project JALAN MEMORIAL HOSPITAL Location Dhanbad

Client Sri dwarikadas Jalan

Architect M/s. Sen & Lall Consultants Pvt.Ltd.

 Utility
 Hospital

 No. of Floors
 G + 3

 Built Up Area
 30,000 Sft

 Structure
 RCC Frame

Foundation Isolated & Combined Footing



45. Name of Project Ashiana Residency Location Jamshedpur



46. Name of Project Location Vijaya Garden Baridih Jamshedpur



47. Name of Project VASUNDHARA APARTMENT

Location Patliputra Colony, Patna
Client Ashiana Engicons Pvt. Ltd
Architect M/s. Smriti Architect Pvt. Ltd

Utility Residential Complex

No. of Floors G+6

Built Up Area 32,800 Sft

Structure RCC Frame

Foundation Under-reamed pile with pile cap

48. Name of Project GANGOTRI APARTMENT

Location Exhibition Road, Patna

Client Ashiana Homes Pvt. Ltd.

Architect M/s. Sen & Lall Consultants Pvt. Ltd.

Utility Residential Complex

 No. of Floors
 G + 9

 Built Up Area
 70,000 Sft

Structure RCC Frame

Foundation Under-reamed pile with pile cap



 Name of Project Location Ashiana Brahmand Residency Jamshedpur



50. Name of Project Ashiana enclave Location Jamshedpur

51. Name of Project HIRA PANNA
Location Patna
Client Kapoor & Associates
Architect M/s. Kapoor & Associates.
No. of Floors Basement + G + 4
Structure RCC Frame
Foundation Under-reamed pile with pile cap

52. Name of Project RAJNIGANDHA APARTT, BLOCK | & II Location Patliputra Colony, Patna Client Ashiana Homes Pvt. Ltd M/s. Sen & Lall Consultants Pvt.Ltd. Architect Utility Residential Complex No. of Floors G + 4Built Up Area 60,000 Sft Structure **RCC Frame** Foundation Under-reamed pile with pile cap

53. Name of Project DISTRICT CENTRE
Location Janakpuri, New Delhi
Client Sudarshan Housing & Finance (I) Ltd
No. of Floors Basement + G + 8
Structure RCC Frame
Foundation Raft foundation

54. Name of Project ASHIANA VIHAR Location Rajendra Path, Patna

Client Ashiana Pro & Industries Ltd, Patna
Architect M/s. A. K. Shrivastava & Associates
Utility Commercial cum Residential Complex

No. of Floors Basement + G + 7

Built Up Area 80,000 Sft Structure RCC Frame

Foundation Beam slab Raft Slab 8"thick Beam 3'x3'



55. Name of Project HARINIWAS Location Patna

Client Ashiana Homes (P) Ltd

Architect M/s. Sen & Lall Consultants Pvt. Ltd.

No. of Floors G+7
Structure RCC Frame

Foundation Under-reamed pile with pile cap

Name of Project UMA COMMERCIAL COMPLEX (extension)

Location Frazer Road, Patna Client Dr. C.P. Thakur

Architect M/s. Mr. Prakash, Patna
Utility Commercial Complex
No. of Floors Basement + G + 6

Built Up Area 14,000 Sft
Structure RCC Frame
Foundation Beam-Slab Raft

57. Name of Project MAURYA TOWER PRDA BLOCK

Location Patna

Client Sen & Lall Consultants Pvt.Ltd.

Architect M/s. Sen & Lall Consultants Pvt.Ltd.

No. of Floors Basement + G + 4
Structure RCC Frame
Foundation Raft Foundation

Client

Ashiana Fabicon Pvt.Ltd M/s. Kapoor & Associates

Architect No. of Floors Built Up Area

G+765,000 Sft **RCC Frame**

Structure Foundation

Under-reamed pile with pile cap

Name of Project 59.

RAJSHREE APPTT. BLOCK I, II, III & IV

Location

Varanas, U.P.

Client Architect Utility

Ashiana Fabicon Pvt.Ltd M/s. Kapoor & Associate Residential Complex

No. of Floors Built Up Area Structure

G+6 & G+7 1, 00, 000 Sft. RCC Frame

Under-reamed pile with pile cap

Foundation

60. Name of Project Location

LIC BUILDING Patna

Client

Lall & Associates

Architect

M/s. Lall & Associates.

No. of Floors

G + 3

Structure

RCC Frame

Foundation

Isolated & combined footing



61. Name of Project KHETAN MARKET

Location Client Architect Utility

Near Hathwa Market, Patna Khetan holding Pvt.Ltd M/s. Smriti Architect Pvt.Ltd. Shops, Offices & Residencial

No. of Floors Built Up Area

2, 50, 000 Sft

Basement + G + 7

Structure Foundation **RCC Frame**

Raft

22



62. Name of Project VARMA CENTRE Location Boring Road, Patna Ashiana Fabicon Pvt,Ltd. Client Architect M/s. Kapoor & Associates Utility Shops & Residencial No. of Floors Basement + G + 7 Built Up Area 63,000 Sft **RCC Frame** Structure Foundation Raft



VIJAYA HERITAGE 63. Name of Project Location Jamshedpur Client Vijaya Home Makers Pvt.Ltd Architect M/s.Sen & Lall Consultants, Patna Utility Residential Flats No. of floor G + 4Structure **RCC Frame** Foundation Isolated & combined footing

64. Name of Project GURUDWARA
Location Patna
Client Kapoor & Associates
Architect M/s. Kapoor & Associates
No. of Floors Basement + G + 4
Structure RCC Frame
Foundation Under-reamed pile with pile cap

65. Name of Project CHANAKYA HOTEL (addition)

Location R. Block, Patna

Client M/s Sujat Hotel Pvt.Ltd., Patna
Architect M/s Sen & Lall Consultants Pvt. Ltd.
Utility Conference Hall (72'x48'), Hotel

No. of Floors G+5

Built Up Area 50, 000 Sft Structure RCC Frame

Foundation Open & Under-reamed pile with pile cap

66. Name of Project OM VIHAR

Location Kadam Kuar, Patna
Client Sudarshan Developers
Architect M/s. Kapoor & Associates
Utility Shops, Offices & Residencial

No. of Floors Basement + G + 4

Built Up Area 61,000 Sft Structure RCC Frame

Foundation Raft

67. Name of Project URMILA TOWERS
Location Dhanbad, Bihar

Client Ashiana Pro & Industries Pvt.Ltd

Architect M/s. Impact Planner

Utility Shops, Offices & Residencial No. of Floors Basement + LG UG + 9

Built Up Area 2, 00, 000 Sft. Approx.

Structure RCC Frame

Foundation Raft

68. Name of Project SHASHI PLACE
Location Nala Road, Patna

Client Aparna Housing Co-Operative Pvt.Ltd

Architect M/s. Behal Joshi & Associate
Utility shops, Offices & Residencial

No. of Floors Basement + G + 8

Built Up Area 80, 000 Sft Structure RCC Frame Foundation Raft

69. Name of Project DEVI MANDIR
Location Barahiya, Bihar

Architect M/s. Kapoor & Associates

Height 108 Feet
Built Up Area 11,000 Sft
Structure RCC Frame

Foundation Under-reamed pile with pile cap

70. Name of Project PAYAL CINEMA HALL

Location Silliguri

Architect M/s. Sen & Lall Consultants Pvt.Ltd.

Utility Cinema Hall Structure RCC Frame

Foundation Isolated and Combined Footing

71. Name of Project PATNA MUNICIPAL CORPORATION

Location Patna

Client M/s. Sen & Lall Consultants Pvt.Ltd.
Architect Sen & Lall Consultants Pvt.Ltd

No. of Floors Basement + G + 4 Structure RCC Frame

Foundation Under-reamed pile with pile cap

72. Name of Project SRI RAM MARKET

Location Dhanbad

Client Subh Shanti Plaza

Architect M/s. Smriti Architects, Patna

Utility Market Complex
No. of Floors Basement, G + 4
Built Up Area 1, 08, 000 Sft
Approx. Cost 5.0 Crore
Structure RCC Frame
Foundation Raft Foundation



73. Name of Project GOLDEN TOWN Location Jamshedpur

Client Vijaya Home Makers Pvt.Ltd
Architect M/s.Sen & Lall Consultants, Patna

Utility Residential Flats

No. of floor G+4Structure RCC Frame

Foundation Isolated & combined footing

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74. Name of Project VASUNDHARA GARDEN

Location Ranchi

Client Vasundhara Homes

Architect M/s. Sen & Lall Consultants Pvt. Ltd.

Utility Residential Flats

No. of Floors G + 9

Built Up Area 72,000 Sft

Approx. Cost 4.0 Crore

Structure RCC Frame

Foundation Raft Foundation



75. Name of Project VIJAYA SHATABDEE

Location Jamshedpur

Client Vijaya Home Makers Pvt.Ltd
Architect M/s.Sen & Lall Consultants, Patna

Utility Residential Flats

 $\begin{array}{ll} \text{No. of floor} & \text{G} + 4 \\ \text{Structure} & \text{RCC Frame} \end{array}$

Foundation Isolated & combined footing



 Name of Project Location Ashiana Mangalam Jaipur, Rajasthan



77. Name of Project VOLTAS HOUSE Location Jamshedpur

Client M/s, Lall & Associates
Architect M/s. Lall & Associates

Utility Offices

No. of Floors Basement + G + 4
Built Up Area 56,000 Sft. Approx.
Structure R.C.C. Frame

Foundation Raft

Approx. Cost Rs. 1.5 crore

Scope of work struct. design consultancy

Consultancy fee Rs 0.40 lac Completion Timely

78. Name of Project BSTDC AMENITIES BUILDING

Location Tenughat & Others

Client BSTDC

Architect M/s. Kapoor & Associate

Utility Common Facility

 No. of Floors
 G + 1

 Built Up Area
 18,000 Sft

Structure RCC Frame & Load Bearing
Foundation Isolated & continuous footing

79. Name of Project CANARA BANK CURRENCY CHEST

Location Hajipur

Client Kapoor & Associate
Architect M/s. Kapoor & Associate

Utility Bank
No. of Floors G + 4
Structure RCC Frame

Foundation Under-reamed Pile with Pile Cap.



80. Name of Project Location

Structure

Ashiana Sun City Jamshedpur

81. Name of Project BHARAT PETROLEUM CO-OP.LIMITED Location Begusarai

Client Bharat Petroleum Co-Operation Limited

Architect M/s. Kapoor & Associate

Utility Township

Structure Load bearing & RCC Frame Foundation Continuous & Isolated footings

30 BEDDED HOSPITAL FOR BEEDI WORKERS 82. Name of Project

Location Biharsharif Client CPWD CPWD Architect Utility Hospital No. of floor G+1Built Up Area 50,000 Sft 2.7 Crore Approx. Cost

RCC Frame Foundation Under-reamed Pile with Pile Cap.

POWER GRID CO-OPERATION INDIA LIMITED 83. Name of Project

> Location Pasauli, Sasaram

Client Power Grid Co-Operation India Limited

Architect M/s. Lall & Associate, Patna

Residential Flats Utility RCC Frame Structure

Foundation Under-reamed Pile with Pile Cap.

84. Name of Project Railway Zonal office Location Hazipur, Patna

80. Name of Project EPIP

Location Haiipur

Client Bihar State Export Co-Operation
Architect M/s.Sen & Lall Consultants, Patna

Utility Common facity building

No. of floor G+3Structure RCC Frame

Foundation Isolated & combined footing



85. Name of Project SAHARA CITY
Location Jamshedpur

Client Sahara Construction

Architect M/s Aakriti Architect, Jamshedpur

Utility Residential Flats

No. of floor G + 4
Structure RCC Frame

Foundation Isolated & combined footing

86. Name of Project VATIKA GREENS & RESIDENCY

Location Jamshedpur

Client Vatikaa Home Makers Pvt.Ltd
Architect M/s.Sen & Lall Consultants, Patna

Utility Residential Flats

No. of floor G + 4
Structure RCC Frame

Foundation Isolated & combined footing

PART B. BRIDGE PROJECTS

1.	Name of Project	HIGH LEVEL BRIDGE over river
	Location	21st km of Ramgarh-Bhurkunda Road
		in the district of Hazaribagh.
	Client	Hazaribagh Mines Board, Hazaribagh
	Utility	7.5 m wide Road Bridge
	Structure	8 x 12.07 m x 13.8 m R.C.C. Gird Bridge
	Foundation	Open Foundations
2.	Name of Project	HIGH LEVEL BRIDGE over river KANKANI
	Location	12TH km of Ramgarh-Bhurkunda Road
		in the district of Hazaribagh.
	Client	Hazaribagh Mines Board, Hazaribagh
	Utility	7.5 m wide Road Bridge
	Structure	8 x 21.75 m x 12.6 m R.C.C. Gird Bridge
	Foundation	Open Foundations
3.	Name of Project	HIGH LEVEL BRIDGE over river JHARNA
	Location	5th km of Charhi-Parej Road in the distrit of Hazaribagh.
	Client	Hazaribagh Mines Board, Hazaribagh
	Utility	7.5 m wide Road Bridge
	Structure	3 x 8 m x 3.78 m R.C.C. Slab Bridge
	Foundation	Open Foundations
4.	Name of Project	HIGH LEVEL BRIDGE over river CHARI
	Location	7th km of Charhi-Parej Road
	12.00	in the district of Hazaribagh.
	Client	Hazaribagh Mines Board, Hazaribagh
	Utility	7.5 m wide Road Bridge
	Structure	4 x 8 m x 4.7 m R.C.C. Slab Bridge
	Foundation	Open Foundations
5.	Name of Project	SUBMERSIBLE BRIDGE over river CHAINPUR
	Location	8th km of Mandu-Balsagra-Chainpur Road
		in the distric of Hazaribagh.
	Client	Road Construction Department, Bihar
	Utility	7.5 m wide Road Bridge
	Structure	4 x 7 m x 2.67 m R.C.C. Slab Bridge

Open Foundations

Foundation

6. Name of Project HIGH LEVEL BRIDGE overriver KAO
Location 23rd mile of Dumraon-Bikram Road

in the district of Rohtas

Client Bihar Rajya Pul Nirman Nigam Ltd,Patna

Utility 7.5 m wide Road Bridge

Structure 3 x 21.75 m x 6.5 m R.C.C. Girder Bridge

Foundation Well Foundations

7. Name of Project Preliminary Design for

PRESTRESSED CONCRETE GIRDER DECK

Client Eastern Railway

Utility 4.5 m wide deck for rail-track
Structure R.C.C. Slab over twin Girder,
Girder spans 19.4 m and 13.1 m

8. Name of Project Preliminary Design for

PSC GIRDER ROAD OVER-BRIDGE

Location Level Crossing No 14A at 317 km near

Parasnath Railway Stn. (G.C.Line)

on National Highway No.2

Client Eastern Railway

Utility Replacement of level crossing

by a 4-lane over-bridge

Structure Cast in situ R.C.C. Slab over

31 m span, nine Girder systems. Girder spans 19.4 m and 13.1 m

Foundation Open Foundation supporting RCC

Abutment

9. Name of Project 16 m & 21 m span two high level

Location Lalmatia - Pirpainty Road

Client Eastern Railway
Utility 7.5 wide carriage way

Client Hindustan Steelworks Construction Ltd.

Structure R.C.C. high level bridge

Foundation Open Foundation with PCC flooring

PART C. INDUSTRIAL BUILDINGS

Name of Project FRUIT SPECIALITIES PVT.LTD.

Location Purnea

Client M/s Fruit Specialities Pvt. Ltd.

Utility Food Processing Unit

Structure Steel Structure RCC Frame Load Bearing

Foundation Isolated Footing

Name of Project DINA METEL LIMITED
 Location Patna City, Patna

Client Mr. P.D. Bhartiya, Patna Utility Workshop Shed for Indu

Utility Workshop Shed for Induction Furnace
Structure Trusses over Built-up Steel Column
Foundation Under-reamed pile with pile cap

Name of Project MAHUA COLD STORAGE

Location Mahua, Vaishali

Client Mahua Co-operative Cold Storage Ltd.,

Mirza Nagar, Vaishali

Architect M/s. Sen & Lall Consultants Pvt.Ltd.
Utility Cold Store of capacity 2000 MT

Structure RCC Frame & Trusses over R.C.C. Column

Foundation Isolated and Combined Footing

Name of Project PATNA CITY COLD STORAGE

Location Patna City, Patna

Client Bihar State Agri Marketing Board
Architect M/s. Sen & Lall Consultants Pvt.Ltd.
Utility Cold Store of capacity 8000 MT
Structure RCC Frame & Steel Trusses over

need thanks a steel masses over

RCC Column

Foundation Under-reamed pile with pile cap

dia 450 mm, depth 15 m

 Name of Project PUJA FLOUR MILL Location Digha Ghat, Patna

Client Puja Foods Projects Pvt.Ltd. Patna Architect M/s. Sen & Lall Consultants Pvt.Ltd.

Utility Flour Mill Building

Structure RCC Frame

Foundation Under-reamed pile with pile cap

dia 400 mm, depth 13 m

6. Name of Project COLD STORAGE

Location Mussalahpur, Patna

Client Bihar State Agri.Marketing Board
Architect M/s. Sen & Lall Consultants Pvt.Ltd.
Architect M/s. Sen & Lall Consultants Pvt.Ltd.

Structure RCC Frame

Foundation Under-reamed pile with pile cap

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7. Name of Project SIMRAN METALS LIMITED
Location Fatuha, Bihar
Client Simran Metals Pvt. Ltd
Architect M/s. Kapoor & Associates

Utility Induction Furnace
Built Up Area 50,000 Sft
Structure Steel structure
Foundation Pile Foundation

8. Name of Project SUPER INDUCTO STEEL PVT.LTD.

Location Purnea, Bihar

Client Super Inducto Steel Pvt.Ltd.,Patna
Architect M/s. SCON PRIVATE LIMITED
Utility Factory for Induction Furnace
Structure RCC & Steel Structure

Foundation Isolated Footing

Name of Project MODI STEEL LIMITED.

Location Patna

Client Modi Steel Limited

Architect M/s. SCON PRIVATE LIMITED

Structure Steel Structure

Foundation Under-reamed pile with pile cap

10. Name of Project SATYAM FLOUR MILL

Location Siwan

Architect M/s. Design Views, Patna

Structure RCC Frame

Foundation Isolated and Combined Footing

11. Name of Project BHAWANI PAPER MILL.

Location Phulwari, Patna Client Mr. Vijay Arora

Architect M/s, From Chandigarh
Utility Factory Building
Structure RCC & Steel Structure

12. Name of Project DANAPUR FLOUR MILL.

Location Danapur

Architect M/s. Sen & Lall Consultants Pvt.Ltd.

Structure RCC Frame

Foundation Under-reamed pile with pile cap



13. Name of Project AMBEY FLOUR MILL

Location Patna, Bihar

Architect M/s. Parashar & Associates

Structure RCC Frame Foundation Pile Foundation

14. Name of Project PUJA FLOUR MILL Location Purnea, Bihar

Architect M/s. Parashar & Associates.

Structure RCC Frame Foundation Open Footing

Name of Project MANOKAMNA FOOD PRODUCTS PVT.LTD.

Location Raxaul

Client M/s. Ambay Agro Industries Ltd. Patna

Utility Food Processing Unit

Tech.Consultants Agrotect and Consultancy Services, Varansi.

Structure RCC Frame

Foundation Isolated and Combined Footing

Name of Project MODERN BREAD FACTORY

Location Hajipur

Client Nawal Agrawal, Patna Utility Bread Manufacturing Architect Kapoor & Associate.

Structure RCC Frame

Foundation Isolated and Combined Footing

17. Name of Project ROLLATAINERS FACTORY

Location Greater Noida, Delhi
Client Lall & Associates
Architect Lall & Associate.

No. of floors G+2

Structure Isolated and Combined Footing

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PART D.. INSTITUTIONAL BUILDINGS

1. Name of Project INDIAN INSTITUTE OF HOTEL

MANAGEMENT

Location Hajipur Client CPWD

Architect M/s. Sen & Lall Consultants Pvt.Ltd..

No. of floor G + 3
Structure RCC Frame

Foundation Isolated and Combined Footing

2. Name of Project CENTRAL INSTITUTE OF PLASTIC

ENGINEERING & TECHNOLOGY.

Location Hajipur Client CIPET

Architect M/s. Lall & Associate, Patna.

No. of floor G + 2 Structure RCC Frame

Foundation Isolated and Combined Footing

3. Name of Project CENTRAL INSTITUTE OF PLASTIC

ENGINEERING & TECHNOLOGY, ..

Location Haldia (West Bengal)

Client CIPET

Architect M/s. Lall & Associate, Patna.

 No. of floor
 G + 2

 Structure
 RCC Frame

Foundation Isolated and Combined Footing



4. Name of Project ICAR
Location Patna
Client CPWD

Architect M/s. Sen & Lall Consultants Pvt.LTd. Patna.

Utility Research Centre

No. of floor G+2

Built Up Area 1,00,000 Sft Approx. Cost 5.0 Crore

Structure Load Bearing & RCC Frame
Foundation Uner reamed pile with pile cap



 Name of Project PATNA WOMEN'S COLLEGE (HOME SCIENCE BLOCK)

Location Patna

Client Patna Women's College

No. of floor G+3

Built Up Area 1, 00, 000 Sft. Structure RCC Frame

Foundation Uner reamed pile with pile cap

6. Name of Project MAULANA AZAD COLLEGE OF ENGG. & TECHNOLOGY

Location Neora

Client Maulana Azad College of Engg & Tech Architect Maulana Azad College of Engg. & Tech

No. of floor G + 2 Structure RCC Frame

Foundation Uner reamed pile with pile cap

Name of Project SENIOR CAMPUS OF DELHI PUBLIC

SCHOOL

Location Patna

Client Lall & Associates
Architect Lall & Associates

No. of floor G+2Structure RCC Frame

Foundation Uner reamed pile with pile cap

8. Name of Project Delhi Public School

Location Ludhiyana

Architect Lall & Associates, Delhi
Client Takshila Education Trust

9. Name of Project Delhi Public School

Location Varanasi

Architect Lall & Associates, Delhi
Client Takshila Education Trust

10. Name of Project Delhi Public School

Location Pune

Architect Lall & Associates, Delhi Client Takshila Education Trust

11. Name of Project Delhi Public School

Location Gaya

Architect Sri Kabir Bajpai, New Dehi Client Takshila Education Trust

12. Name of Project Delhi Public School Location Hosiyarpur, Panjab

Architect Sri Kabir Bajpai, New Dehi
Client Takshila Education Trust



13. Name of Project Delhi Public School
Location Ahmad Nagar
Architect Sri Kabir Bajpai, New

Architect Sri Kabir Bajpai, New Dehi
Client Takshila Education Trust

BIODATA OF KEY (TECHNICAL) PERSONNEL

Sri Brajesh Kumar Sinha

Director

Designation

Qualification

B. Sc. Engg. (Civil)

Experience

Twelve years experience

Works executed

Preparation of Structural Analysis and Designs of

More than 400 Multistoried Buildings, Numerous Various types of structures, More than 100 Industrial Buildings, Various types of Steel structures,

some RCC Bridges.

Sri Jawahar Lal Roy

Designation Design Engineer

Qualification B.Sc. Engineering (Civil)
Experience Nine years experience

in the field of Structural Engineering.

Works executed Planning the system

Design of Steel Structure

Mr. Sanjeev kumar

Designation Design Engineer

Qualification B.Sc. Engineering (Civil)

M.Sc. Engg. P.U.

Experience Five years experience
Works executed Planning the system

Design of Steel Structure

Sri Mukesh Kumar Jha

Designation Consultant (Design Engineer)

Qualification B. E. (Civil)

Experience Four years experience

Works executed Planning structural concept

preparation of Drawing Details

Site Supervisions

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5. Sri Rajeev Kumar Chaudhary

Designation Consultant (Design Engineer)

Qualification B.E. (Civil)

Experience Two years experience

Works executed Preparation structrual concept

& Site Supervisions

Sri Ram Prasad Sah

Designation Sr. Draftsman

Qualification I.T.I.

Experience Thirteen years experience

Works executed Drawing Drafting.

Sri Jiwendra Kumar

Designation Sr. Draftsman

Qualification I.T.I.

Experience Seven Years experience

Works executed Preparation of Structural Drawings

8. Sri Alok Kumar

Designation Structural Draftsman

Qualification I.T.I., B.A.

Experience Ten Years experience

Works executed Preparation of working Drawings

Mrs. Sherly Verghese

Designation Structural Draftsman

Qualification I.T.I.

Experience Eight Years experience

Works executed Drafting of Structural Drawings.

10. Sri Shyam Kumar Singh

Designation Part Time Draftsman

Qualification I.T.I.

Experience Five Years experience Works executed Drawings Drafting.

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11. Sri Sharma Nand Tiwary

Designation Typist cum Computer Operator

Qualification I.Sc.

Experience Twelve Years

Works executed Typing & Computer Operating

12. Md. Shami

Designation Peon Qualification Matric

Experience Twelve Years

13. Sri Dhramdeo Prasad

Designation Driver
Qualification I.Sc.

Experience Ten Years

14. Sri Vishwanath Prasad

Designation Driver

Qualification Matric

Experience Ten Years

15 .Sri Ashok Prasad

Designation Blue Printers

Qualification Matric
Experience Ten Years



SCON PRIVATE LIMITED

















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