



SPECTRUM

Techno Consultants Pvt Ltd

O
R
G
A
N
I
Z
A
T
I
O
N

P
R
O
F
I
L
E



401, Raikar Bhavan,
Plot No. 9, Sector 17,
Vashi, Navi Mumbai – 400703
Tel: +91 22 4111 5900,
Fax: +91 22 27664661



www.spectrumworld.net



info@spectrumworld.net



Spectrum Techno Consultants Pvt. Ltd.

To provide optimal solutions with a holistic approach for a better built environment

Spectrum Techno-Consultants Pvt. Ltd. (Spectrum) is an organisation specialised in offering comprehensive engineering consultancy services to various infrastructure projects across the country. Since its inception in 2004, Spectrum has strived to achieve high standards in providing technically sound solutions to the distinctive projects envisaged by our esteemed client. Over these years, Spectrum has expanded its resources and human capital to cater to the dynamic nature of our business and is now considered a premier design engineering and project management services organisation.

Spectrum has diverse experience in working on public as well as private sector projects and has knowledge of different methodologies utilised in these projects. Our manpower has formal training as well as understanding in advanced design development methods employed in contemporary infrastructure facilities.

Spectrum Vision: Spectrum's vision follows the desire of its employees to create a better built environment. The vision envisages Spectrum as a catalyst in developing engineering solution which would create an infrastructure which is sustainable with respect to environment, social and economic parameters. Moreover, the same would be safe and relevant in terms of its utility and functionality. This vision of Spectrum is summarised below

Vision Statement

Better built environment ensuring sustainability, safety & functionality



Areas of Expertise

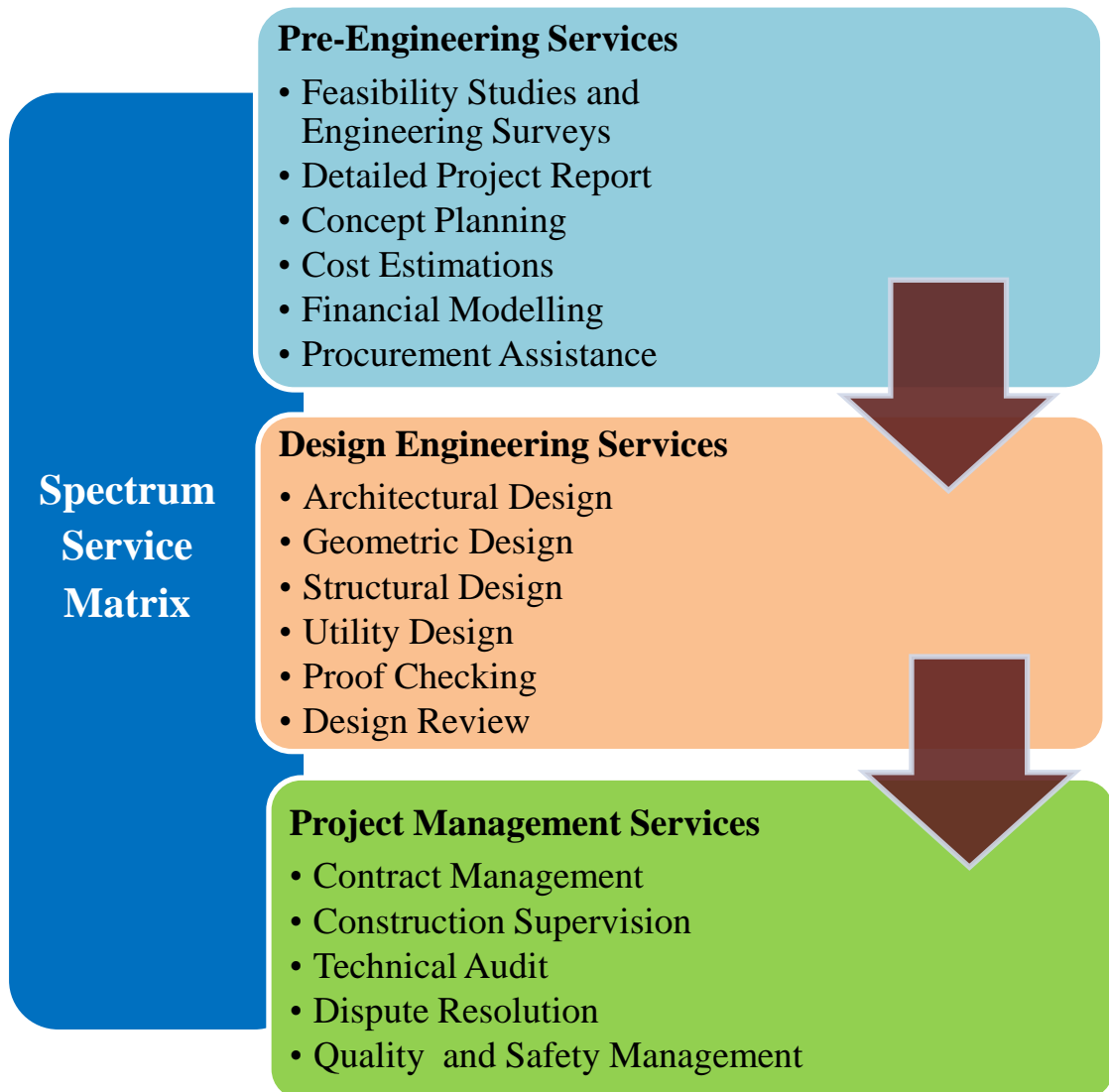
Spectrum has successfully completed projects in various sectors like Highways & Transportation, Power, Ports and Maritime structures, Water Resources, Industrial facilities, Residential and Commercial Buildings, Nuclear Power. The sectors for which Spectrum can provide technical consultancy services are listed below:

<p>Highways & Transportation</p>	<ul style="list-style-type: none"> • Roads, Highways and Bridges • Flyovers, RoBs, Metro, Monorails systems • Aviation Infrastructure • Railways, Railway bridges
<p>Power</p>	<ul style="list-style-type: none"> • Cooling Towers and Chimeneys • Water Management Systems • Ash and Coal Handling Systems • Mini Hydro-Electric Plants
<p>Ports And Maritime Structures</p>	<ul style="list-style-type: none"> • Quay walls • Jetties, Wharfs and Break Waters • Berthing Platforms • Dry Docks
<p>Water Resources</p>	<ul style="list-style-type: none"> • Water Intake Structure • Large Pump Houses including Concrete Volute • Water Treatment, Conveyance and Distribution • Storage Systems
<p>Nuclear Related Structures</p>	<ul style="list-style-type: none"> • Nuclear Reactor Buildings • Containment Structures • Spent Fuel Storage Bays
<p>Other Buildings</p>	<ul style="list-style-type: none"> • Industrial Facilities • Commercial Facilities • Townships



Spectrum – Service Matrix

Spectrum has adequate manpower and knowledge base to add value to any phase of project life cycle- from concept to commissioning. The major services provided by Spectrum could be categorised into Pre-Engineering phase, Design Engineering Phase and Project Implementation Phase as shown below:





Spectrum Expertise in Infrastructure Design and Development

Spectrum has broad experience in working in the infrastructure sector and its various sub-sectors viz. roads and highways, ports, urban transportation and structures and systems related to Power generation, Nuclear power. Spectrum has necessary infrastructure and manpower to cater to the various aspects of these projects like feasibility study, preparation of detailed design report, pre-tendering activities, and detailed design engineering as well as construction supervision services. Spectrum also has experience of working as Independent Engineer and as a proof checking consultant for highway projects. A list of major infrastructure projects undertaken by Spectrum is attached in the following section

The most important aspect behind Spectrum's excellent record in delivering consultancy services matching the best professional practices is the highly qualified manpower who strives to achieve stringent quality standards set by the esteemed clientele. Most of technical manpower has post-graduation in the respective fields like with transportation, power, structural engineering, etc. Moreover, the employees have exposure to various practical scenarios prevailing in the infrastructure sector, making them capable of delivering customised solutions to the unique design issues presented by the client. Following is the dedicated in-house team with varied project background and expertise

Table 1: Spectrum Team

Name	Expertise	Qualification	Experience in years
Mr Umesh Rajeshirke	Managing Director	M S Civil (IIT Madras)	26
Mr Upendranath Bhupal	Project Conceptualisation and Thermal Design, Engineering Co-ordination	B. Tech. (Mechanical Engineering)	21
Mr Kishore Hankare	Highway Design and Project Management	B E Civil	19
Mr Rakesh Varadkar	Highway and Bridge Engineering, Pavement Design, Project Coordination	M Tech (IIT Bombay)	16
Mr Nirav Mody	Geometric Design, Bridge Engineering	ME Structures	15



Name	Expertise	Qualification	Experience in years
Mr Devang Patel	Bridge Engineering Structures	ME Structures	15
Ms Poonam Pendhari	Geo-tech investigation and analysis, Port infrastructure, Analysis, Design, Preparation of drawings & BOQ	M Tech- Geo Tech (IIT Bombay)	12
Mr Girish Dhavalikar	Feasibility Study, Bid Process Management, Project Management	B E Civil	22

This well qualified team leads highly skilled engineers, who are trained and oriented towards achieving the high quality standards set forward by Spectrum in its vision and mission. The total engineering staff of 70 employees is categorised as below

Table 2: Spectrum Human Resources

Sr No	Category	No of Staff	Remarks
1	Engineers	35	More than 50% have done post-graduation from IITs
2	Draughtsman	25	Minimum qualification for draughtsman's is Diploma in respective fields
3	Admin Staff	10	-
	Total Employees	70	Combined strength covering office in Mumbai and Ahmedabad

Spectrum augments its intellectual capacity with latest design software and analytical packages to provide through and accurate design solutions. Some of the technology applied is listed below. Moreover, Spectrum is continuously upgrading systems and technology to provide the most cost efficient design solutions to the client



Table 3: Spectrum-Technology

Software	Primary Usage
Bentley MX Road	Geometric Design for roads and highways
Auto Track- SAVOY	Turning Movement analysis
ANSYS	Utilised in Finite Element Analysis
SOFISTIK -23	Analysis of Pre-Cast, Segmental, Cable Stayed Bridges
SAP2000 V12	Finite Element Analysis
STAAD PRO	Structural Analysis
Auto Cad 2010	Preparation of design drawings
Project Open	Project Scheduling, Resource Management
Revit Architecture – 2008	Design and Drawing

Since 2004, Spectrum Techno Consultants Pvt. Ltd has served quiet a broad range of construction and engineering projects in and around India. Detailed list of projects may be given as and when required. However, a few of the typical projects handled by Spectrum are given below.



PROJECT PORTFOLIO
Infrastructure Sector

Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
1.	Four-Lane Bridge with Approaches A/C River Narmada <i>Project Ongoing</i>	Vadodara R&B Circle, Vadodara, Gujarat	350	Four-Lane Bridge with Approaches A/C River Narmada, Nr. Golden Bridge on Old NH No. 8 Km. 193/8 to 195/2 Dist. Bharuch	Detailed Project Report & Detailed Design
2.	Improvement of road within Panvel municipal limit being taken up with grant in aid from state and central government <i>Project Ongoing</i>	Panvel Municipal Corporation	NA	Construction and improvement of City Road within Municipal limits. The road length is approximately 48 km providing connectivity to the entire city	Detailed Project Report
3.	Fly Over Bridge on Surat-Hazira Main road near Star Bazaar Junction, Surat. <i>Project Ongoing</i>	Surat Municipal Corporation	25.55	Total length of flyover 499.00 mtr	Project Management Consultancy



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
4.	Flyover Bridge on Surat-Dumas Road Near New Court Building at Athwalines in Surat <i>Project Ongoing</i>	Surat Municipal Corporation	29.60	Total length of flyover 644.320 mtr	Project Management Consultancy
5.	Flyover Bridge on Katargam main Road at Surat <i>Project Ongoing</i>	Surat Municipal Corporation	44.93	Total length of flyover 1071.50 mt	Project Management Consultancy.
6.	Four Laning of Karanji-Wani Ghuggus Chandrapur SH-6/7 state highway on BOT basis <i>Project Ongoing</i>	IVRCL Infrastructures and Projects Ltd	518	The project involved 2/4 Laning of 85 Kms stretch between the Karanji-Wani-Ghuggus-Chandrapur along with strengthening and new construction of highway structures.	Detailed Design Engineering <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Detailed Design for highway and structures - Approvals from Independent Engineer and Govt. Authority



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
7.	Four Laning of Talegaon Amravati Section of NH 6 under NHDP phase III. <i>Project Ongoing</i>	Ideal Infrastructure Developers Ltd., Mumbai	375	The project involved four Laning of 67 Kms of Talegaon Amravati section of NH6 along with various structures like bridges, flyovers, ROB cross drainage works and toll plaza	Detailed Design Engineering <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Detailed Design for highway and structures - Approvals from Independent Engineer and Govt. Authority
8.	2/4 Laning of Suratgarh-Sriganganagr NH-15 on BOT basis. <i>Project Ongoing</i>	Unity Infra	456	The project involved 2/4 laning of 85 Kms of Suratgarh - Sriganganagar section of NH-15 along with various structures like bridges, flyovers, ROB cross drainage works and toll plaza	Detailed Design Engineering <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Detailed Design for highway and all structures - Approvals from Independent Engineer and Govt. Authority
9.	Construction of Vivekanand Flyover between Girish Park and Ultadanga in Kolkata City. <i>Project Ongoing</i>	Kolkata Metropolitan Development Authority	345	The 2 nd phase of the Vivekanand flyover which would connect the Girish Park to Ultadanga a very busy junction in Kolkata city. The flyover would be appx.4.5 Kms in length .	Detailed Project Report <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Detailed Design all structures - Approvals from JnNURM Cell



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
10.	Construction of Elevated Road on Budge Budge Trunk Road in Kolkata. <i>Project Completed</i>	Kolkata Metropolitan Development Authority	280	The Budge Budge Trunk road in Kolkata is highly crowded route. KMDA has proposed to construct an Elevated Road of 7 Kms in length. The road would be constructed with the assistance from JnNURM and would ease the traffic congestions in the area.	Detailed Project Report <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Detailed Design all structures - Approvals from JnNURM Cell
11.	Approach road from Left and right bank to Middle Vaitarna Dam from the nearest Village. <i>Project Completed</i>	Municipal Corp. of Greater Mumbai	72	The Project consists of approach roads from both the Left bank and Right Bank to Middle Vaitarna Dam and the activities involved Traffic Survey, Topographic survey, Geotechnical investigations, Geometric design, Pavement design for approach roads, Design of bridges and CD works, Preparation of DPR & Tender documents and assisting M.C.G.M. in tender evaluation, appointing contractor	Detailed Design Engineering <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Design of Horizontal and Vertical alignment, Flexible pavement design - Detailed Project report, cost estimate and tender documents - Detailed structural design of bridges, CD Works



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
12.	Bridges on state roads from Mandleshwar to Khargaon & Banher to Maharashtra Boarder - under MPSRS Project-II. <i>Project Completed</i>	JMC Projects (India) Ltd. Mumbai.	160	The project involved 23 Bridges to be upgraded under the MPSRS Project-II. The bridges spans varied from 5 Mts to 13 Mts	Detailed Design Engineering <ul style="list-style-type: none"> - Engg Surveys and Geotech Investigations - Detailed Design for highway and all structures - Approvals from Independent Engineer and Govt. Authority
13.	Viaduct portion & Station Buildings for Delhi Metro Rail Corridor (DMRC). <i>Project Ongoing</i>	J. Kumar Infra Projects	154	The project involves approx. 4 Kms long viaduct for the proposed DMRC Phase III work from Jahangirpuri to Badli with 2 Station building (Rohini & Badli)	Preliminary Designs as well as Detailed Design Engineering
14.	Viaduct portion of the Proposed Navi Mumbai Metro Rail Corridor . <i>Project Ongoing</i>	J. Kumar Infra Projects	150	The project involves approx. 4 Kms long viaduct for the proposed New Mumbai Metro Rail Project	Detailed Design Engineering <ul style="list-style-type: none"> - Design of all Permanent and temporary Structures. - Traffic diversion scheme and traffic management, improvement of junctions, culverts and pavement etc. - Preparation of Shop drawings and As Built drawings after completion - Approvals of design from CIDCO/Railway Authority/NHAI/General Consultant



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
15.	Consultancy Services for Package CA12 & CA13 for Navi Mumbai Metro Line 1 <i>Project Ongoing</i>	Constructora San Jose S.A., Mahavir roads, Supreme Infrastructures India Limited	142	Design of 11 stations from Belapur to Pendhar section in Metro line-I	Detailed Design Engineering
16.	ROB at km 9+955 (LC No. 259B/E-2) & at km 10+983 (LC No. 1A/E-2) on Sikar – Bikaner Section of NH-11 in state of Rajasthan <i>Project Ongoing</i>	IL &FS Transportation Network Limited	NA	Detailed Design and drawing of ROB at km 9+955 (LC No. 259B/E-2) & at km 10+983 (LC No. 1A/E-2)	Detailed Design Engineering
17.	ROB at km 432+093 (LC No. C-1/E-2) and at 440+693.5(LC 197/A) on Sikar – Bikaner Section of NH-11 in state of Rajasthan <i>Project Ongoing</i>	IL &FS Transportation Network Limited	NA	Detailed Design and drawing of ROB at km 432+093 (LC No. C-1/E-2) and at 440+693.5(LC 197/A)	Detailed Design Engineering



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
18.	Structure Designing for Jabua Jobat Kukshi Road (SH-39) under BOT project in State of Madhya Pradesh <i>Project Ongoing</i>	Shreeji Infraspace Pvt. Ltd.	NA	Design of 1 Major Bridge and 9 Minor Bridges	Detailed Design Engineering
19.	Flyover at Panvel Bus Stand, on Old Mumbai - Pune Road. <i>Project Completed</i>	JMC Projects (India) Ltd.	141	Project involves design of the main flyover of 17.2m wide & 1690 m total length and two up & down ramps of 1274m total length with pre cast segmental construction for superstructure with open foundation.	Detailed Design Engineering <ul style="list-style-type: none"> - Design of Stack and track beam - Design of foundations - Design of Substructure and Superstructure - Design of approach - Approvals for all designs
20.	Four laning and improvement of Thane Ghodbunder Road on BOT basis. <i>Project Completed</i>	Maharashtra State Road Development Corporation Ltd,	130	The Project involved construction , maintenance and operation of 15 Km long state highway on BOT basis	Independent Engineer on behalf of MSRDC



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
21.	Major Bridges for Dedicated Freight Corridor Vaitharna & Utran in the Western Corridor. <i>Project Completed</i>	Soma Enterprise Limited	75	The project involves 14 major bridges of various lengths (18 m to 71 m) on varying types of foundations & superstructures to suit the site conditions for the Dedicated Freight Corridor of Indian railways	Detailed Design Engineering <ul style="list-style-type: none"> - Engineering Surveys and Investigations - Hydrological calculations - Geometric design of Bridges - Design of Superstructure, Pier Capes, Piers etc. - Approvals of Designs
22.	Fly over at Bhosari on Pune-Nashik Road for Pimpri Chinchwad Municipal Corporation. <i>Project Completed</i>	JMC Projects (India) Ltd.	90	The project consists of 1300 m long Fly-over of width 16m built using Pre cast Segmental construction both longitudinally and transversally	Detailed Design Engineering <ul style="list-style-type: none"> - Design of foundations - Design of Substructure and Superstructure - Design of approach - Approvals for all designs - As Built Drawings
23.	Flyover of 1070 m long at Surat for Surat Municipal Corporation. <i>Project Completed</i>	Consulting Engineering Services	45	The project involved 1070 Mts long flyover crossing 3 major junctions including Gujarat Gas Circle in Surat. The main flyover having 25 spans, each of 36 m with solid approaches of 100m & 70m along with two ramps of 293 m and 281m long	Detailed Design Engineering



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
24.	Flyover at Airport Junction near Domestic Airport at Santacruz in Mumbai for MSRDC. <i>Project Completed</i>	JMC Projects Ltd	35	Project involves a 715 m long flyover for 2 nos. of 3 lanes carriage way of 12 M each, consisting of three pre cast segmental PSC 'I' girder with in situ deck slab as super structure on open & pile foundations. The segments of 'I' girders are jointed at site to form continuous as three or four span units, pre stressing.	Detailed Design Engineering <ul style="list-style-type: none"> - Preparation of GAD - Checking existing foundation and substructure - Detailed design of flyover - Good for Construction drawings
25.	Flyover at Waghbil Junction on Thane Ghodbunder Road for Maharashtra State Road Development Corporation. <i>Project Completed</i>	Valecha Engineering Ltd	22	The project involved 455 Mts long flyover with approaches of 195 Mts & 110 `Mts on Thane- Ghodbunder road having 4 lanes carriage way and 1200 mm central median. The flyover employed fish belly shaped box girder superstructure on architecturally shaped RCC piers over pile foundations and open foundations for abutments	Detailed Design Engineering <ul style="list-style-type: none"> - Design of foundation - Design of Superstructure, Pier Capes, Piers, Abutment etc. - Approvals of Designs - As Built Drawings



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
26.	Flyover at Manpada Junction on Thane Ghodbunder Road for Maharashtra State Road Development Corporation. <i>Project Completed</i>	Valecha Engineering Ltd	20	The project involves 434 Mts long flyover with approaches of 63 Mts & 221 Mts on Thane- Ghodbunder road having 4 lanes carriage way and 1200 mm central median The flyover employed fish belly shaped box girder superstructure on architecturally shaped RCC piers	Detailed Design Engineering <ul style="list-style-type: none"> - Design of foundation - Design of Superstructure, Pier Capes, Piers, Abutment etc. - Approvals of Designs - As Built Drawings
27.	ROBs in Ratangarh – Bikaner - Kiishangarh in Rajasthan for NHAI. <i>Project Completed</i>	Sowil Ltd. / S. N. Bhole & Associates	30	The project involved Eight RoBs at different skew angles	Detailed Design Engineering
28.	Construction of ROB at Hathras on Agra- Aligarh Road Project, Section of NH93. <i>Project Completed</i>	JMC Projects (India) Limited	20	The project involves design development of ROB at Hathras	Detailed Design Engineering <ul style="list-style-type: none"> - Detailed Design Engineering for all the project components, - Approvals of design drawings from IIT, Mumbai



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
29.	RoB for Mumbai Metro Transport Limited at Mankhurd Mumbai. <i>Project Completed</i>	Mumbai Metro Transport Pvt Ltd	15	The project involved designing a new RoB to connect Mankhurd Depot to SION-Panvel highway on the Charkop-Bandra- Mankhurd Corridor of Mumbai Metro	Pre-Bid Engineering Services
30.	Flyover & interchange at the junction of NH-7 and ROB across Central Railway Tracks, in MIHAN project Area, Nagpur. <i>Project Completed</i>	AFCONS Infrastructure Ltd	15	Flyover & interchange at the junction of NH-7 and ROB across Central Railway Tracks, in MIHAN project Area, Nagpur. Activities involved detailed designs for the foundations, substructure and superstructure for cast-in-situ portion of the project.	Detailed Design Engineering - Detailed Design and drawings of foundations, substructure and superstructure - Approvals from Client
31.	ROB on Talegaon Amravati Section of NH 6 under NHDP phase III. <i>Project Ongoing</i>	Ideal Infrastructure Developers Ltd., Mumbai	20	The project involved design development for 85 Mts long ROB with railway span of 25 Mts.	Detailed Design Engineering - Detailed Design and drawings of foundations, substructure and superstructure - Approvals from Client



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
32.	ROB at Rajkot. <i>Project Completed</i>	Rajkot Municipal Corporation	11	The project involves a ROB of length 550 Mts with portion over Railways of 90 Mts. The ROB comprises of 2 Lane carriageways with footpath on either side. The superstructures is made of composite steel girder with RCC deck above the existing track and RCC solid slab for the remaining portion	Feasibility and Detailed Project Report – (DPR) - Feasibility Study, Bid Process Management for appointment of contractor, Detailed Design Engineering Services.
33.	Flyover at Patlipada Junction on Thane Ghodbunder Road for Maharashtra State Road Development Corporation. <i>Project Completed</i>	Valecha Engineering Ltd	18	The project involves 395 Mts long flyover with approaches of 122 Mts & 153 Mts having 4 lanes carriage way and 1200 mm central median. The flyover employed using fish belly shaped box girder superstructure on architecturally shaped RCC piers over pile foundations for piers and open foundations for abutments	Detailed Design Engineering



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
34.	Bridge on Dhatravati River at Pipavav Port. <i>Project Completed</i>	Pipavav Port Trust	18	The project involved 200m long bridge with Super Structure designed for 300 MT ship blocks to be carried; using in situ slab, pre cast girders & pile foundation	Detailed Design Engineering
35.	ROB at Temblai Naka near Kolhapur, Maharashtra, for MSRDC. <i>Project Completed</i>	Innovative Technologies	14	The project involves 550 m long and 21m wide ROB with an additional arm 160 m long & 7.5 m wide and a FoB with all the structures resting on RCC piers and open foundations	Detailed Design Engineering
36.	ROB at 139+429 on Beawar Gomti section <i>Project Completed</i>	IL &FS Transportation Network Limited	NA	Detailed Design and drawing of ROB	Detailed Design Engineering
37.	Swing bridge across river Poirra at Mapusa, Goa for GSIDC. <i>Project Completed</i>	Structcon Consultants	6	The project involved designing of bridge with two swinging arms of length 27m each, with 18.5 m long steel cantilever ends	Detailed Design Engineering
38.	Bridge at chain-age 2500M on Taloja Feeder service road for MIDC. <i>Project Completed</i>	Structcon Consultants	4	The project involved bridge of 6 x 9 m, Continuous Spans with 45° skew; having a total width of 10.50m.	Detailed Design Engineering



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
39.	Bridge across river Panzara, Dhule for Dhule Municipal Corporation, Dhule, <i>Project Completed</i>	Structcon Consultants,	3	The project involved 160 m long bridge, with 3 span & 4 span continuous units of 16m length each with solid slab superstructure and its approaches.	Detailed Design Engineering
40.	Bridge across river Aner at Khamkhed for Dhule Municipal Corporation, Dhule, Maharashtra. <i>Project Completed</i>	Structcon Consultants	2	The project involved superstructure of 5 units of 2 x 16m continuous span RCC solid slab structure.	Detailed Design Engineering
41.	Bridges on Middle Vaitharna Dam. <i>Project Completed</i>	Soma Enterprise Limited	2	The project involved two Major & three Minor Bridges for the approach road to Middle Vaitharna Dam of Municipal Corporation of Greater Mumbai	Proof Consultancy
42.	Bridge across Jayanti Nalla for integrated Road development Project at Kolhapur for MSRDC. <i>Project Completed</i>	Innovative Technologies	2	The project involved a 26 m span RCC structure on Pile foundations anchored into hard rock	Detailed Design Engineering



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
43.	Bridges & Culverts on Bagatelle – Valentina Link Road. <i>Project Completed</i>	M/s. Frischman Prabhu (India) Private Ltd.	N.A.	Eight Bridges & Culverts on Bagatelle – Valentina Link Road for Road Development Authority, Mauritius.	Detailed Design Engineering
44.	Cable Stayed Bridge at Mahatma Mandir, Gandhinagar <i>Project Ongoing</i>	VMS Engineering & Design Services (P) Ltd	NA	Cable Stayed Bridge	Proof Checking
45.	Raebareli Band a Section of NH 232 in the State of Uttar Pradesh on EPC mode <i>Project Completed</i>	Unity Infraprojects Ltd.	Estimated 600-650 Cr.	Upgradation of Raebareli Banda Section of NH-232 to 2-lane with paved shoulders from km 152.870 (existing chainage 152.650) to km 286.155 (existing chainage 287.860) in the State of Uttar Pradesh on EPC mode	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report
46.	Six lane of Chennai Outer Ring Road-Phase 2. <i>Project Completed</i>	Simplex Infrastructure Limited	980	Development of Outer Ring Road Ph-2 (30km) from Nemillicheri in Nh-205 to Thiruvottiyur- Pooneri-Tpp road DBFOT Annuity basis.	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
47.	Four Laning of Raipur-Bilaspur NH-200. <i>Project Completed</i>	ERA Infra	1100	The project involved four Laning of 123 Kms of Raipur-Bilaspur section of NH-200 along with various structures like bridges, flyovers, ROB cross drainage works and toll plaza	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Traffic studies - BOQ - Tollable traffic Estimation - Tolling strategy
48.	Lambia-Raipur section (Pkg-II) of NH-48 to 2 lane with paved shoulder <i>Project Completed</i>	Monte Carlo	NA	Rehabilitation and Augmentation of the lambia-Raipur (Pkg-II) of NH-48 to 2 lane with paved shoulder through engineering, procurement and construction (the “EPC”) Contract – 52.60 kms	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report
49.	Raipur-Bheem (Jassakhera) section (Pkg-III) of NH-458 to 2 lane with paved shoulder <i>Project Completed</i>	Monte Carlo	NA	Rehabilitation and Augmentation of the Raipur-Bheem (Jassakhera) section (Pkg-III) of NH-458 to 2 lane with paved shoulder through engineering, procurement and construction (the “EPC”) Contract – 32.36 kms	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report
50.	2 lanning with paved shoulder of Bhilwara – Ladpura Section of NH-758 (length – 67.750Kms) <i>Project Completed</i>	Ravi Infra Build Projects Pvt Ltd	NA	Basic Engineering studies including preliminary design and estimate as per scope for 2 laning of paved Shoulder Bhilwara – Ladpura Section of NH-758 (length – 67.750 kms)	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
51.	Traffic Analysis providing four laning of Talegaon to Chakan Road on BOT Basis (SH-55/00 km to 24/00Km) <i>Project Completed</i>	Sadbhav	NA	Traffic Surveys and Analysis of four laning of Talegaon to Chakan Road on BOT Basis (SH-55/00 km to 24/00Km)	Pre-Bid Design Engineering - Traffic Surveys and projections
52.	Pre-tendering works for Engineering studies for Northern Kota Bypass Package I & II, 10.3km and 4.4Km	Ravi Infrabuild Projects Pvt Ltd	NA	Engineering studies includes Pre bid design, BOQ Calculation, etc. as per scope of work	Pre-Bid Design Engineering - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
53.	Northern Kota Bypass – Package I & II – 10.3 Km and 4.4 Km <i>Project Completed</i>	Ravi Infrabuild Projects Pvt. Ltd.	57 , 74	Construction of Northern Kota bypass from design Ch 0.000 (Km 391/100 of NH-76) to design Ch 10+300 (Rangpur Road) Package-I to two lane with paved shoulders configuration. Construction of Northern Kota bypass from design Ch 10+300 (Rangpur Road) to design Ch 14+200 (Km 11/700 at SH-33 Kota-Lalsot Mega highway) with link road of 452 mtrs length and with SH-33 Package-II, to two lane with paved shoulders configuration	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report
54.	Padhi Dahod section of NH-113 from Km 180 to Km 267 (Design length – 85.588 Km) in state of Rajasthan and Gujarat under NHDP Phase IV on EPC Mode <i>Project Ongoing</i>	Ravi Infrabuild Projects Pvt. Ltd.	332.45	Rehabilitation and Augmentation of 2 laning with paved shoulders of Padhi Dahod section of NH-113 from Km 180 to Km 267 (Design length – 85.588 Km)	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report



Highways & Transportation Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
55.	Elevated Corridor from AIIMS to Digha (On Ganga Path) <i>Project Completed</i>	AFCONS Infrastructure Ltd	1160	Construction of highway with 3 Km (2 lane) semi elevated Structure and 7.5 Km (4 Lane) elevated structure with divided carriageway with Junction improvements from AIIMS to Digha	Pre-Bid Design Engineering <ul style="list-style-type: none"> - Surveys and Investigations. - Traffic Surveys and projections - Rate analysis and BOQ - Design review and preliminary report



Energy Sector Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
56.	Natural Draft Cooling Towers for O P Jindal Thermal Power Project	Gammon India Limited, Mumbai	240	The project involved Four NDCTs each of height 124.3 Mts	Detailed Design Engineering including Thermal and Hydro-mech designs
57.	NDCT for 2 x 600 MW Malwa Thermal Power Project	Gammon India Limited	150	The project involved two NDCTs each of height 124.3 Mts	Detailed Design Engineering including Thermal and Hydro-mechanical designs
58.	NDCT for 1 x 500 MW Korba West Thermal Power Project	Gammon India Limited	75	The project involved One NDCT of height 124.3 Mts	Detailed Design Engineering including Thermal and Hydro-mechanical designs
59.	NDCT at Raichur Thermal power Station (1 X 250 MWe) Unit 8	National Building Construction Corporation Ltd.	26	The project involved one Natural Draft Cooling Tower. The height of tower is 124.3 m.	Detailed Design Engineering including thermal and hydro-mechanical designs



Energy Sector Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
60.	2 NDCTs for 2x500 MW Tuticorin Thermal Power Project (TTPP)	Gammon India Limited	40	The project involved two Natural Draft Cooling Towers for	Detailed Design Engineering including thermal and hydro-mechanical designs
61.	2 NDCTs for 1x600 MW Jaypee Nigrie Super Thermal Power Project (NTPP)	Gammon India Limited	44	The project involved 2 Nos. NDCT for 1.x 600 MW Jaypee Nigrie Super Thermal Power Project (NTPP) in Madhya Pradesh	Detailed Design Engineering including thermal and hydro-mechanical designs
62.	NDCT for 1 x 600 MW Kakatiya Thermal Power Project (KTPP)	Gammon India Limited	44	The Project Involved One NDCT for 1 x 600 MW Kakatiya Thermal Power Project (KTPP) in Andhra Pradesh	Detailed Design Engineering including thermal and hydro-mechanical designs
63.	NDCT for 1x 600 MW Rayalseema Thermal Power Project	Gammon India Limited	44	The Project Involved One NDCT for 1 x 600 MW Rayalseema Thermal Power Project (RTPP) in Andhra Pradesh	Detailed Design Engineering including thermal and hydro-mechanical designs



Energy Sector Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
64.	4 Nos. of IDCT and allied works for NTPC Mouda Super Thermal Power Project – Stage II (2x 660 MW)	L&T Ltd.	105	The project involves Engineering Design consultancy of 4 Nos. IDCT towers and allied works.	Detailed Design Engineering
65.	6 Nos. of IDCT and allied works for NTPC Kudgi Super Thermal Power Project – Stage 1 (3x 800 MW)	L&T Ltd.	170	The project involves Engineering Design consultancy of 6 Nos. IDCT towers and allied works.	Detailed Design Engineering
66.	4 Nos. of IDCT and allied works for NTPC Lara Super Thermal Power Project – Stage 1 (2x 800 MW)	L&T Ltd.	125	The project involves Engineering Design consultancy of 4 Nos. IDCT towers and allied works.	Detailed Design Engineering



Energy Sector Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
67.	Induced Draft Cooling Tower for Santhaldih Thermal power Station (1 X 250 MW) Unit 5 for WBPDC	Gammon India Limited	25	The project involved an Induced Draft Cooling Tower, of counter flow type, each consisted of 12 cells, each having plan dimensions of 15m X 20m. The towers are of cross flow type with a flow rate of 36000 CuM /Hr.	Detailed Design Engineering including thermal and hydro-mechanical designs
68.	Induced Draft Cooling Towers for Farakka Super Thermal Power Project Stage III (1 x 500 MW), for NTPC	National Building Construction Corporation Ltd.	42	The project involved two Induced Draft Cooling Towers each consisting of 9 cells, having plan dimensions of 14 Mts x 21 Mts. The tower is counter flow type with flow rate of 30000 CuM/ Hr	Detailed Design Engineering including thermal and hydro-mechanical designs
69.	Induced Draft Cooling Towers for 2 x 600 MW Anpara – C Thermal Power Project for Lanco Infratech Ltd	Gammon Cooling Towers Limited,	77	The project involved four counter flow type Induced Draft Cooling Towers, each consisting of 11 cells of plan dimensions of 14 Mts X 21 Mts, with flow rate of 35000 CuM/Hr.	Detailed Design Engineering



Energy Sector Projects

Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
70.	IDCTs (6 nos.) at Vellur for 3X600 MW Thermal Power Project of TNEB / NTPC	Gammon India Limited, Mumbai	195	The project involves six counter flow type IDCTs of 30,000 m ³ /hr capacity each with 9 cells of size 21 x14 m.	Detailed Design Engineering including thermal and hydro-mechanical designs
71.	IDCTs at Mauda for 2X500 MW Mauda Thermal Power Project of NTPC	National Building Construction Corpn Ltd.,	76	The project involves four counter flow type IDCTs, each consisting of 9 cells of size 21 Mts x 14 Mts, with flow rate of 30,000 CuM/Hr	Detailed Design Engineering including thermal and hydro-mechanical designs
72.	Induced Draft Cooling Towers for Bhilai Thermal power Station (2 X 250 MWe)	Gammon India Limited	25	The project involved two Induced Draft Cooling Towers, counter flow type, each consisting of 10 cells of plan dimensions of 15m X 20m with flow rate of 34500 CuM / Hr.	Detailed Design Engineering including thermal and hydro-mechanical designs for two



Energy Sector Projects

Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
73.	IDCT at Muddanur for 250 MW Rayalaseema Thermal Power Project of APGENCO	Gammon India Limited	24	The project involved one counter flow type IDCT of 109m x 32 m for capacity of 37,000 m ³ /hr with 14 cells of 15.5 x 16 m each	Detailed Design Engineering including thermal and hydro-mechanical designs
74.	IDCT at Amarkantak Thermal Power Project - Stage I & II	Lanco Infratech Ltd	50	IDCT at Amarkantak Thermal Power Project - Stage I & II	Detailed Design Engineering Services
75.	Plant Water System for (2 x 600) MWe Thermal Power Project for Essar Power MP Ltd., at Mahan, M.P.	Kirloskar Brothers Ltd	20	The project involved C. W. pump house including fore bay structures of 40m length along with a control room of size 40 Mts x 11 Mts	Detailed Design Engineering
76.	Plant Water system for Koderma Thermal Power Station for Damodar Valley Corporation	Kirloskar Brothers Ltd, Pune	160	The project involves for intake well, raw water pump house, OH tank, make up water pump house, pipe cum foot bridge from intake well, road, bridges & culverts along the 7 km pipe line corridor, storm water drains inside the plant and all enabling structures.	Detailed Design Engineering



Energy Sector Projects

Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
77.	Make Up water system for Bhilai Expansion Power Project 2 x 250 MW Unit 1 &2 for NTPC-SAIL Power Company	Kirloskar brothers ltd	12	The project involved make up water system including road along the pipeline	Detailed Design Engineering
78.	Hydro Mechanical components of Handia, Hoshangabad & Bauras projects for DPR	Narmada Hydroelectric Development Corporation Ltd	130	Project involves preparation of designs of Radial Gates, Intake Gates, Draft tube Gates and Stop logs for DPR of Handia, Hoshangabad & Bauras Projects of Narmad Hydro Electric Development Corporation.	Preparation of Detailed Project Report
79.	CW pump House and Concrete Volute Pumps BARH –II Super Thermal Power Project	WIPL Limited	40	The project involved CW Pump house along with five Concrete Volute Pumps	Detailed Design Engineering
80.	Civil works for 2 x 507.5 MW Thermal Power Plant at Padubidri, Udipi, Karnataka for Udipi Power Corporation Ltd.	Lanco Infratech Ltd	12	The project involved 4 different Pump Houses for Fire Water, Fire Water Booster, Cooling Tower Blow Down, General, Air Washer bldg & Drainage pit for the Thermal Power Plant	Detailed Design Engineering



Energy Sector Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
81.	Concrete volute pumps for Sipat super thermal power stations	Kirloskar Brothers ltd,	40	The project involved designing of concrete volute pumps	Detailed Design Engineering
82.	Circulating water system and concrete volute pumps for Barh Super thermal power stations	Kirloskar Brothers ltd	40	The project involved circulating water system for (3 x 660 MWe) including pump house for concrete volute pumps	Detailed Design Engineering
83.	Concrete volute pumps for Mettur Thermal Power Station, stage III (1 x 600) MWe for BGR Energy Systems Ltd. Chennai	Kirloskar Brothers ltd	25	The project involved designing of concrete volute pumps	Detailed Design Engineering
84.	Ash Water Re-circulating System and Liquid Waste Water Treatment System Vellore Thermal Power Project of NTPC	Technofab Engineering Ltd.	25	The project involved AWR circulating system and liquid waste water treatment system, including a bridge for AWR Pipes to cross a natural water way	Detailed Design Engineering,



Energy Sector Projects

Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
85.	Concrete Volute Pumps for CW pump House at Krishna patnam, Andhra Pradesh	Kirloskar Brothers Ltd	40	The project involved CW Pump house along with Concrete Volute Pumps	Detailed Design Engineering
86.	Ash Handling Plant for 2 x 125 MW for Neyveli Lignite Corporation Limited at Barsingsar.	Mahindra AshTech Ltd.	20	The project involved Ash Handling Plant including two RCC Silos, ash disposal pump house and other supporting facilities.	Detailed Design Engineering
87.	Ash Handling Plant at Paras 1 X 250 MW for MAHAGENCO	Mahindra AshTech Ltd.	20	The project involved Ash Handling Plant including two RCC Silos, ash disposal pump house and other supporting facilities.	Detailed Design Engineering
88.	Twin Steel Flue, RCC Chimney for 1200-1320 MW TPP	Gammon India Limited, Mumbai	20	The project involved design of RCC Chimney for a 1200-1320 MW TPP. The chimney was 275 M. tall with open Raft Foundation.	Detail Design Engineering
89.	Single Brick Flue, RCC Chimney for 1x600 MW Kakatiya TPP	Gammon India Limited, Mumbai	15	The project involved design of RCC Chimney for a 1x600 MW TPP. The chimney was 275 M. tall with open Raft Foundation.	Detail Design Engineering



Energy Sector Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
90.	Single Brick Flue, RCC Chimney for Bokaro Power Supply Company Ltd	Bygging India Ltd.	6	Project involves detailed designs for the 180 m tall RCC Chimney with single flue of bricks for Bokaro Power Supply Company Ltd	Detail Design Engineering
91.	Three Single Brick Flue, RCC Chimneys for 2x45 MV Power Plant	Petron Civil Engineering Pvt Ltd	20	The project involved design engineering consultancy services for three chimneys for the 2x45 Mw power plant in Uttar Pradesh. The chimneys were 110 M tall with pile foundation	Detail Design Engineering
92.	Two Single Brick Flue, RCC Chimneys for 2x45 MV Power Plant	Era BuildSys Ltd	15	The project involved design engineering consultancy services for three chimneys for the 2x45 Mw power plant in Uttar Pradesh. The chimneys were 110 M. tall with pile foundation	Detail Design Engineering



Nuclear Energy Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
93.	Spent fuel storage for TAPS 1 & 2 at Tarapur Atomic Power station for NPCIL	Technofab Engineering Ltd.	44	The project involved development of highly radioactive spent fuel Storage bay along with allied industrial structures and buildings, adhering to stringent international specifications	Detailed Design Engineering
94.	Active RCC Shielded Duct between Plutonium Plant, AWTF, FUS and WTF Pump House at BARC, Trombay, Mumbai.	Bhabha Atomic Research Centre	15	The project involves a highly radioactive duct to be built over existing facilities without disturbing the day to day activities of the plant using innovative solutions like cable stayed supports etc. to suit the stringent site conditions.	Detailed Design Engineering
95.	Test Model of 1:4 Size of Containment of 540 MWe PHW Reactor at Tarapur for RSD-BARC	Bhabha Atomic Research Center	8	The project involve design of Operating Systems which include Outer Containment Structure as part of X th Plan Project 5.06 - A1 on "Containment Safety Studies"	Detailed Design Engineering for Operating Systems which include Outer Containment Structure
96.	Under Ground RCC Waste Transfer Trench	Bhabha Atomic Research Center,	5	The project involved laying of underground trenches from the WTF facility to WIP facility and WTF facility to PRTRF facility at North Site, BARC, Trombay, Mumbai	Detailed Design Engineering including Procurement assistance.



Nuclear Energy Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
97.	Seismic qualification of structure and equipment layout in cells nos. 4,13,14,15 of SSSF, Tarapur . <i>Project Completed</i>	Bhabha Atomic Research Center	N.A.	Structural analysis, of structure and equipment layout in 4 cells top compartment of SSSF, Tarapur to meet static and earthquake loads safety criteria.	Detailed Technical Study and Project Report
98.	Structural Analysis, report preparation of structure and equipment layout designed for housing in cell-4 top compartment of SSSF, Tarapur to meet relevant safety criteria. <i>Project Completed</i>	Bhabha Atomic Research Center, Anushaktinagar, Trombay, Mumbai	N.A.	Analysis for static & earthquake loads, prepare drawings & design reports of all structures and associated systems to be safe over the expected life of 30 years, using Floor Response Spectra (FRS) as specified in IAEA TECDOC 1347	Detailed Technical Study and Project Report



Maritime Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
99.	Development of sea water intake structure, jetty and pipeline in Ennore, Chennai <i>Project Completed</i>	Gammon India Limited	100	The project Sea water intake structure, 500 m long jetty & 20km long pipe line to the plant area, near Ennore, Chennai	Preliminary Design Engineering
100.	RO-RO and passenger water transport facility from Kukrahati jetty to Raichak jetty <i>Project Completed</i>	Haldia Development authority	NA	The objective of the project is to help decongest the existing congested transport system. The availability of navigational channel fit enough to carry barges around the above-mentioned jetties offers an opportunity to expand the water transport system to accommodate the transfer of commercial vehicles along the banks of Hoogli River.	Detailed project report
101.	Building & Structures at Pipavav Ship Yard, Pipavav. <i>Project Completed</i>	Pipavav Port Trust	50	The project involved development of structures like ship building blocks, paint cells and blast cells at the Pipavav Ship Yard	Detailed Design Engineering
102.	Quay wall, related jetty and marine structures at Rohini port in the Konkan Region of Maharashtra for Das Offshore Engg. (P) Ltd. <i>Project Completed</i>	Horizon Infradex Pvt. Ltd.	35	The project involves developing of various marine structures like quay wall for Jacket Unloading, related jetty structures and other facilities for enabling the loading of 150 Mts long jack-up rigs, weighing around 5000 MT on to Barges	Detailed Design Engineering



Maritime Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
103.	Container Handling Facility at Dharamtar Port. <i>Project Completed</i>	Dharamtar, Gujarat	15	The projects involves developing a container handling facility comprising of berthing/mooring facility for 3000 DWT barges and a stationary crane for handling containers. The facility is spread over an area of 100,00 Sq Mts.	Detailed Design Engineering Services, Project Management Consultancy
104.	Repair & Rehab of Quay walls at Port Louis Harbour for Mauritius Port Authority, Mauritius. <i>Project Completed</i>	Afcons Infrastructure Limited	35	Restoration and rehabilitation of 6 Quay walls	Detailed Design Engineering
105.	Repair & Rehab of Quay walls at Port Mathurin, for Mauritius Port Authority. <i>Project Completed</i>	Afcons Infrastructure Limited	35	Project involves repairs and rehabilitation of (1) one Quay wall with steel piles and (2) one Bridge in Port Mathurin, Mauritius.	Detailed Design Engineering
106.	Development of Iron Ore Export Terminal- Pre-Bid Services. <i>Project Completed</i>	Leighton India Ltd	600	The Project involves development of New breakwater of 630 Mts long and mole of 230 Mts in length, Berth for iron ore vessel of dimensions 379.40 Mts X 28 Mts with facilities for mooring, docking and unloading of capsized vessels, Two barge berths, each of dimension, 338Mts X 22 Mts with facilities for mooring, docking and unloading of barges	Pre-Bid services including preparation BOQ and Cost estimates



Maritime Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
107.	Security Complex for entry gate at the Pipavav Ship Yard. <i>Project Completed</i>	Pipavav Port Trust	2	The project consisted of various factory sheds for functions like painting, block building, etc. The total built up area is 67,000 Sq Mt	Detailed Design Engineering



Other Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
108.	Balwant Phadke Auditorium in Panvel, Maharashtra <i>Project Ongoing</i>	Designo Architect	11.48	The project involves PMC of interior Works and allied finishing Activities	Project Management Consultancy
109.	Design and PMC MTDC hostel building at Kharghar, Maharashtra <i>Project Ongoing</i>	Designo Architect	15	The project involves PMC of interior Works and allied finishing Activities	Design and Project Management Consultancy
110.	Development of Pedestrian Skywalk Bridges in Mumbai Metropolitan Region <i>Project Completed</i>	Maharashtra State Road Development Corporation Ltd	120	The Skywalk project envisaged facilitating pedestrian traffic between highly crowded areas around the railways stations. This would in turn provide space to the vehicular traffic. The project involved Development of Skywalk around 6 Suburban Railway Stations	Development of Skywalk from 6 Suburban Railway Stations including Project Management on behalf of MSRDC



Other Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
111.	Design of Skywalks in Navi Mumbai – Cable Stayed Bridge <i>Project Completed</i>	City and Industrial Development Corporation of Maharashtra Ltd., (CIDCO)	38	The project consists of a Bridge of 1800 m long 6 m/ 4 m wide of Structural steel super structure of 56 spans of varying from 71 m to 20m to suit the site conditions. It has a cable stayed span of configuration 52 + 71m supported on structural steel pylon of 44 m height of ‘A’ shape, across the bridge. Foundations are of cast-in-situ RCC piles or open foundation. RCC pedestals with steel tetra-pods are the substructure.	Detailed Design Engineering
112.	Sea water pump house and Electro chlorination plant building for Bhavini, Kalpakkam, Tamilnadu <i>Project Completed</i>	Kirloskar Brothers ltd.	40	The project involves sea water pump house including fore bay structures and plant building with all outdoor and indoor cable trenches/ tunnels, peripheral drains & approach roads	Detailed Design Engineering
113.	Pakyong Airport at Sikkim for Airport Authority of India <i>Project Completed</i>	Mott MacDonald, Mumbai	225	The project involves 2000 Mt long runway along with cutting & slope protection work of 100 Mts height and filling of 77 Mts	Detailed Design Engineering



Other Projects					
Sr No	Name of the Project	Client	Project Cost Rs Cr	Brief Description of Project	Brief Scope of Work
114.	Pumping Station at Navda <i>Project Completed</i>	Megha Engineering and Infrastructure Ltd	NA	Structural Design Consultancy for various components for Pumping Station at Navda for GWIL – NC 28 Project	Detailed Design Engineering
115.	Chikanga Reservoir in Zimbabwe	Technofab Engineering Ltd.	NA	Detailed Design for Chikanga Reservoir (10,000 cubic meter) in Zimbabwe	Detailed Design Engineering