COMPANY PROFILE

Associated Engineering Consultants, though primarily a Civil and Structural engineering firm renders consultancy services in other disciplines of engineering as well. The Company was incorporated in December 1986. Since then the Company has undertaken and successfully completed a number of projects, diverse in nature and size. The goodwill, the Company has earned, has fetched repeat orders from its clients. The clientele include companies of repute in public sector, private sector and in cooperative sector.

Broad Outline of Services

We undertake consultancy assignments in various disciplines of engineering. The multi-disciplinary services of the Company cover

Architectural, Civil and Structural Engineering, Electrical Engineering & Instrumentation, Industrial Utilities Project Management Services. Proof Engineering Valuation

Apart from traditional civil and structural engineering we have embarked on some very non-traditional engineering markets. We have developed a strong presence in the *Material Handling System Design and Design of Technological Structures*.

Areas of Operations

Though we specialise in industrial projects, we provide above services to Institutional, Commercial and large Residential Projects as well. We also render structural engineering services for water retaining structures. Technological structures and structurals for material handling systems are a few other areas where lies our expertise. We also provide consultancy in the design of RCC as well as pre-stressed concrete bridges and flyovers.

INFRASTRUCTURE & RESOURCES

Office Infrastructure

The Company has a spacious office premise, immaculately furnished to provide the working environment conducive for design and development work. All the necessary office infra-structural facilities are available in-house. These include PC workstations, drawing/document printing, plotting & scanning facilities, CD writing facility for periodic back-up, and the modern communication systems. The installed uninterrupted power supply system, in case of sudden power failure, supports all the modern gadgets and allows carrying on urgent works.

Human Resource

As a professional service organization, we at AEC recognize that our staff is our most important resource. Our engineers, technicians, and support personnel have the expertise needed to address a broad spectrum of engineering services we offer. The Company also has highly experienced professionals as associates to assist its engineering team in specialised areas.

Computer Aided Design and Drafting (CADD)

The use of computers in the Company has commenced way back since 1988. The application software for analysis and design, preparation of drawings, project planning and scheduling and preparation of estimates are being used regularly. The use of computers has enhanced greatly the productivity and the quality of service.

Technology has changed every organisation in every industry. We too are no different. But we have used the technology to enhance the core services we offer our clients. Our skilful application of technology provides us and our clients with a distinct competitive advantage

The Company has customised CADD to serve its needs. Symbol libraries, macros, and standard details have made the basic CADD package substantially more productive. The Company has developed and implemented layering convention, drafting standards, and standard constructional details for all disciplines.

We find that the combination of predefined symbols and custom software minimises drafting and layout time, allowing more time for exploring design alternatives, refining them and exercising precise detailing.

OUR STRENGTH

Sound Engineering Knowledge

Emphasis is given in our organisation to update the knowledge and professional skills of our engineering team through formal training programs and information workshops. We encourage use of latest technological advancements in every field to achieve functional, economical & safe designs.

Encouragement to add to and hone specific professional and project-oriented skills has shown marked improvement in the performance of our engineering team and the quality of our service to client.

Our engineering team possesses quite a good field experience too. They are capable of handling difficult engineering problems and taking on the spot decisions. They are highly motivated and are committed to quality.

Quality Drawings

Drawing is the primary medium through which a Consultant directs the people on site. So, it is absolutely necessary that the drawing is complete in all respects and all the relevant information is furnished explicitly and clearly on the drawing by way of illustration or otherwise.

While preparing drawings emphasis is given on elaborate and precise detailing. Even minute details are worked out and illustrated. Nothing is left to the discretion of site people to err.

A thorough checking of each and every drawing is a part of our continuous endeavour to enhance the quality of service rendered.

We strive for **Better Service** through

- Implementation of appropriate working standards, systems, and procedures.
- QA/QC procedures such as regularly scheduled formal QA reviews and use of checklists.
- Hunting for ways and means to continually improve the performance on our jobs and goal setting for increased effectiveness and innovation.
- Identifying "lessons learned" through feedback mechanism and focusing on prevention rather than on correction.
- Imbibing amongst the team members the importance of realistic, rational and positive approach.

contd...

Our Strength contd...

Team Work

Building trust, creating a real project 'team' that includes all the principal players dedicated to the same goals is what makes the projects successful.

We believe in teamwork and encourage team-based philosophy. On our every project we bring together the representatives of different organisations and form a **Project Team** to achieve a common set of objectives. Frequent communication, understand and appreciate each other's problems, avoid conflicts, be realistic and rational, and "agree for the better" are the key words for building relationship amongst the team members.

The success of any project depends to a large extent upon the motivation and the commitment of the project team. Our real strength lies in our highly motivated and committed engineering team.

OUR CLIENTELE

Thermax Ltd.

Bajaj Auto Ltd.

KSB Pumps Ltd.

Hindustan Unilever Ltd.

Aurangabad Electricals Ltd.

PMT Tools Automatics Ltd.

V. M. Jog Constructions Ltd.

Intelligent Conveyors & Stackers Pvt. Ltd., Pune.

Statfield Systems and Equipment Pvt. Ltd., Pune.

The Sanjivani Sahakari Sakhar Karkhana Ltd., Kopargaon.

Chenai Metropolitan Water Supply and Sewerage Board

Madhukar Sahakari Sakhar Karkhana Ltd., Faizpur.

Thermax - Babcock and Wilcox Ltd.

Sauer Danfoss (India) Pvt. Ltd.

Videocon International Ltd.

Kvaerner(Davy) Powergas.

Kirloskar Consultants Ltd.

Navneet Publications Ltd.

Semco Electric Pvt. Ltd.

Wheels India Ltd.

Akar Tools Ltd.

SKF Ltd.

AREAS OF OPERATIONS

Industrial Projects

Chemical Electronic Engineering Food Power Plants Agro-Waste Based Industries Mini-Steel Plants and Foundries

Institutional Buildings

Commercial Complexes Office Buildings School Buildings Assembly Halls Theatres Hospitals

Residential Projects

Large Housing Complexes Plazas

Bridges and Flyovers

RCC & Pre-Stressed Concrete Bridges.

Water Retaining Structures

Water Treatment Plants Effluent Treatment Plants

Material Handling Projects

Bulk Material Handling Systems Package Handling & Storage Systems Supporting Structural Steelwork

Technological Structures

Overhead Travelling Cranes, Goliath Cranes, Jib Cranes, Mast Cranes Stackers and Reclaimers Machine Foundations

OUTLINE OF SERVICES

Architectural

Structural Engineering

Electrical & Instrumentation Engineering

Industrial Utility Services

Project Management Services

Supervision of Construction / Installation

Pre-tender Engineering

Proof Engineering

Certification of Stability of Structures

Valuation

OUR ENGINEERING TEAM

(THE KEY PERSONNEL)

Sr. No.	Name	Age	Designation	Qualifications	Experie nce	Specialisation
1.	Mr. N.K.Yadwad	55	Partner	B.E. (civil), MIE, Chartered Engr.	30 Yrs.	Concrete & Steel Structures, Material Handling & Technological Structures, & Project Management
2.	Mr. A.J.Phadke	61	Partner	B.E.(civil), ME (Struct), MIE, Chartered Engr.	38 Yrs.	Concrete and Steel Structures, Machine Foundations, Pile Foundations, Material Handling.
3.	Mr. S. P. Joshi	57	Architect	GD Arch.	33 Yrs.	Industrial, Institutional & Residential Projects.
4.	Mr. Ajit Kumar Sing	34	Manager Projects.	B.E.(Civil)	12 Yrs.	Construction & Construction Management
5.	Mr. P.V. Kulkarni	47	Mechanical Engineer.	D.M.E.	23 Yrs.	Industrial piping, execution

Apart from above we have qualified and well experienced engineers, CADD operators and other administrative staff to assist our engineering team. We also have highly experienced professionals as our associates to assist us in specialised areas.

OUR ASSOCIATES

Sr. No.	Name	Age	Designation	Qualifications	Experie nce	Specialisation
6.	Mr. Chandrashekhar B. Indi	53	Sr. Mech. Engineer.	B.E. (Mech)	30 Yrs.	Compressed Air Systems, Hot / Cold Water Storage and Distribution Systems, Fuel Storage & Distribution Network,
7.	Mr. Prashant Inamdar	54	Sr. Electrical Engineer.	B.E.(Elec)	31 Yrs.	HT/ LT Power Distribution, Control Systems, Project Management.
8.	Mr. Shirole P.H.	48	Sr. Electrical Engineer	B.E.(Elec)	25 Yrs	HT/ LT Power Distribution, Control Systems, Project Management
9.	Mr. Bharat lyer	41	Consultant	B.E. (Mech)	17 Yrs.	Air-Conditioning, Refrigeration and Ventilation. Compressed Air Systems, Hot / Cold Water Storage and Distribution Systems, Fuel Storage & Distribution Network,
10.	Mr. Shirish Shiroor	46	Consultant	B.Tech(Civil)	24 Yrs.	RCC and Pre-stressed Concrete Bridges.
11.	Mr. Kiran Kardale	53	Consultant	B.E.(Mech)	29 Yrs.	Material Handling Equipment & Systems.
12.	Mr. V. C. Bapat	68	Valuer	B.E.(Civil), LL.B., D.T.L.	44 Yrs.	Registered Valuer (Valuation of land & buildings)
13.	Mr. V.G.Phadnis	54	Consultant	B.E.(Civil)	28 Yrs.	Environmental Engineering & Pollution Control. Plumbing & Sanitation

PROJECTS HANDLED

Since the inception of the Company in 1986, we have undertaken and completed a number of projects of diverse nature. A short list of some of the noteworthy projects is given under.

INDUSTRIAL PROJECTS

Factory Complex for Sauer Danfoss near Wagholi, Pune

Client Project cost Built-up Area Services rendered Year : Chesterton Meghraj. : Rs. 7.0 Crore : 5500 Sqm. (Approx.) : Arch., and structural engg : 2006-07

: Rohan Builders (India) Pvt. Ltd.

: Arch. & structural engineering services



Spare Parts Building for Bajaj Auto Ltd. at Pantnagar, Uttaranchal.

: Rs. 5.5 Crore

: 7300 Sqm. (Approx.)

Client Project cost Built-up Area Services rendered Year

Final Assembly & Store for Bajaj Auto Ltd. at Chakan, Pune

:2007

Client	: Rohan Builders (India) Pvt. Ltd.
Project cost	: Rs. 3.5 Crore
Built-up Area	: 5400 Sqm. (Approx.)
Services rendered	: Arch. & structural engineering services
Year	: 2006

Factory Complex for SM Auto Engineering Pvt. Ltd. at Chakan, Pune

Client	: SM Auto Engineering Pvt. Ltd.
Project cost	: Rs. 5.3 Crore
Built-up Area	: 6500 Sqm. (Approx.)
Services rendered	: Arch., structural, and project management
Year	: 2006-07

Aluminium Die-casting & Electroplating Unit for Aurangabad Electricals Ltd. at Pantnagar, Uttaranchal.

Client	: Aurangabad Electricals Ltd.
Project cost	: Rs. 8.0 Crore
Built-up Area	: 11000 Sqm. (Approx.)
Services rendered	: Arch., structural, and project management
Year	: 2006-07

Electronic Consumer Durables Manufacturing Unit for GRAN Electronics Pvt. Ltd. at Bhuj, Gujrat

: GRAN Electronics Pvt. Ltd.
: Rs. 6.5 Crore
: 10000 Sqm. (Approx.)
: Arch., structural, and project management
: 2005-06

Industrial Projects contd...

High Tensile Fasteners Unit for Aurangabad Electricals Ltd. at Pharola, Aurangabad

Client	: Aurangabad Electricals Ltd.
Project cost	: Rs. 5.0 Crore
Built-up Area	: 8000 Sqm. (Approx.)
Services rendered	: Arch., structural, and project management
Year	: 2005-06

Fruits & Vegetable Processing Plant for Punjab Agri Ventures Ltd at Sirhind District Fatehgarh Sahib near Chandigarh, Punjab.

Client	: Punjab Agri-ventures Ltd.
Project cost	: Rs. 6.0 Crore
Built-up Area	: 9000 Sqm. (Approx.)
Services rendered	: Arch., structural, and project management
Year	: 2005-06

Aluminium Die-casting Unit for Aurangabad Electricals Ltd. at Chitegaon, Aurangabad

Client	: Aurangabad Electricals Ltd.
Project cost	: Rs. 6.4 Crore
Built-up Area	: 10000 Sqm. (Approx.)
Services rendered	: Arch., structural, and project management
Year	: 2005

Factory Complex for Badve Plastics & Badve Presscomp at MIDC Ranjangaon

Client	: Badve Plastics Pvt. Ltd.
Project cost	: Rs. 4.7 Crore
Built-up Area	: 6610 Sqm. (Approx.)
Services rendered	: Arch., structural and project mgmt.
Year	: 2004-05



8 MW Captive Power Plant for Sree Metaliks at Barbil, Orisa.

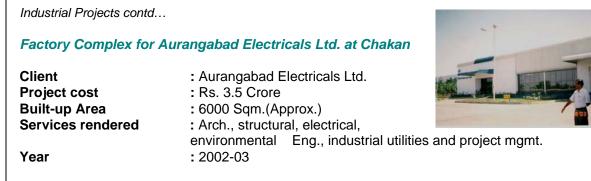
Client	: Thermax Ltd. (Cogen Div.)
Project cost	: Rs. 2.5 Crore
Services rendered	: Arch. & Structural engg.
Year	: 2003-04

Factory Complex for Aurangabad Electricals Ltd. at Waluj, Aurangabad

Client
Project cost
Built-up Area
Services rendered
Year

: Aurangabad Electricals Ltd. : Rs. 4.0 Crore : 7000 Sqm. (Approx.) : Arch., structural, electrical : 2003-04





7.8 MW Bio Mass based Power Plant for Kalpataru Power Transmissions Ltd. at Ganganagar, Rajasthan.

Client	: Thermax Ltd. (Cogen Div.)
Project cost	: Rs. 2.5 Crore
Services rendered	: Arch. & Structural engg.
Year	: 2002-03

Extension of Factory Complex for Udit Packaging Pvt. Ltd. Shikrapur

Client Project cost Services rendered	: Udit Packaging Pvt. Ltd. : Rs. 2.5 Crore :Arch., structural, and mgmt.	pro
Year	: 2001-2003	

Factory Complex for Semco Electric Pvt. Ltd. Chakan

Client	:	Se
Project cost		
Built-up Area		
Structural steelwor	ſk	
Services rendered		

emco Electric Pvt. Ltd. : Rs. 12.0 Crore : 17100 Sqm. : 700MT. approx. : Arch., structural, electrical and project management : 2001

Year

Factory Complex for KalaGenset Pvt. Ltd.

Client	: Kala Genset Pvt. Ltd.
Project cost	: Rs. 2.5 Crore
Built-up Area	: 3500 Sqm.
Services rendered	: Arch., structural, electrical and project management
Year	: 2001



Particle Board Plant for Balaji Sahakari Particle Board Karkhana Ltd. at Risod, Mah.

Client	: Indopacific Engineering Pvt. Ltd.
Project cost	: Rs 2.0 Crore.
Built-up Area	: 3500 Sqm.
Services rendered	: Arch., structural and project management
Year	: 1998-99





Industrial Projects contd...

Factory Complex for Hindustan Lever Ltd., Pondicherry.

Client : Ki Project cost Built-up Area Structural steelwork Services rendered Year

: Kirloskar Consultants Ltd. : Rs. 15 Crores. : 23700 Sqm. k : 1500MT. approx. : Structural engg. : 1996-98

Particle Board Plant at Basmatnagar, Dist. Parbhani.

Client Project cost Built-up Area Services rendered

Indopacific Engineering Pvt. Ltd.
Rs 1.75 Crore.
3500 Sqm.
Arch., structural and project management





Factory Complex for Wheels India Ltd at MIDC, Ranjangaon, Dist. Pune.

Client	: Reward
Project cost	: Rs. 6.5 Crores.
Built-up Area	: 10100 Sqm.
Structural steelwor	k : 800MT. approx.
Services rendered	: Structural Engg.
Year	: 1996-97



Ware House and Other Buildings for Gharda Chemicals, Panoli, Maharashtra.

Client	: Davy Powergas Ltd.
Built-up Area	: 3876 Sqm.
Services rendered	: Structural engg.
Year	: 1996

Plant Building for Hydrogenation Plant at Taloja, Mah. for Deepak Nitrite Ltd.

Client	: Davy Powergas Ltd.
Services rendered	: Structural engg.
Year	: 1995

Factory Building for an Minilec Controls, Pune.

Client	: Minilec Controls
Project cost	: Rs. 1.0 Crore
Built-up Area	: 3300 Sqm.
Services rendered	: Structural engg.
Year	: 1995



Industrial Projects contd...

An Integrated TV Project for Videocon International Ltd. Aurangabad.

Client	: Kirloskar Consultants Ltd.
Project cost	: Rs.1.0 Crores.
Built-up Area	: 5080 Sqm.
Services rendered	: Structural engg.
Year	: 1990-91

Factory Complex at Videocon International Ltd., Aurangabad

Client Project cost Built-up Area Services rendered Year : Kirloskar Consultants Ltd.
: Rs. 2.4 Crores.
: 13050 Sqm.
: Structural engg.
: 1990

Extension of C-N-C Building at KSB Pumps Ltd. (IPD) Pune.

Client : Project cost Built-up Area Services rendered Year

: KSB Pumps Ltd. : Rs. 40 Lacs. : 1300 Sqm. : Arch, structural and project mgmt. : 1989

Factory Complex for KSB Pumps Ltd., Pune.

Client	: KSB Pumps Ltd., Pune
Project cost	: Rs. 2 Crores.
Built-up Area	: 4320 Sqm.
Services rendered	: Arch., structural and
	project management.
Year	: 1987-88

GNFC-PCB Factory at Narmadanagar.

Client	: Kirloskar Consultants Ltd.
Project cost	: Rs. 1.05 Crores.
Built-up Area	: 5120 Sqm.
Services rendered	: Structural engg.
Year	: 1987

Defence Weapon Repair Workshop at Cochin.

Client	: Kirloskar Consultants Ltd.
Project cost	: Rs. 1 Crore.
Services rendered	: Structural engg.
Year	: 1986-87





OTHER PROJECTS

Flue Gas Desulpharisation System for Solvay Vishnu Br. Pvt. Ltd at Kalahasti near Tirupati, Andhra Pradesh.

Client: Thermax Ltd. (Enviro Div.)Project cost: Rs. 3.0 CroreServices rendered: Arch. & Structural engg.Year: 2003-04

Rural Hospital Projects for Maharashtra Health Systems Development Project.

Client: Kirloskar Consultants Ltd.Project cost: Rs. 6 CroreServices rendered: StructuralEngineeringYear: 2002

Aqueduct on PJLC near village Otur, Dist Pune.

Client	: B. Motilal Dhoot & Co.
Project cost	: Rs. 3.5 Crore(Estimated)
Services rendered	: Project management
Year	: 1998-99

Residential Complex for SKF Employees at Pune.

Client: Yash DevelopersProject cost: Rs. 8.0 Crore. (Estimated)Services rendered: Arch., structural and project managementYear: 1994-96

Drama Theatre and Art Gallery at Kothrud, Pune for Pune Municipal Corporation.

Client: Kirloskar Consultants Ltd.,Pune.Project cost: Rs. 2.5 CroresServices rendered: Structural EngineeringYear: 1994-96

Sushil Rasik Sabhagriha, at Solapur.

Client : V.T. Kota & Associates Services rendered : Structural Engineering Year : 1994-95

Boiler Service Platforms for Indorama Synthetics (India) Ltd; Nagpur.

Client : Thermax Ltd. Services rendered : Structural Engineering Year : 1994





Other Projects contd...

Beskar Arch Commercial Complex, at Solapur.

Client: V.T. Kota & AssociatesServices rendered: Structural EngineeringYear: 1993-94

Blast Furnace Foundation and In-take well-cum-Pump House for Kirloskar Ferrous Industries Ltd. at Munirabad, Karnatak.

Client: Kirloskar Consultants Ltd.,Pune.Project cost: Rs. 2 Crores.Services rendered: Structural EngineeringYear: 1993

Effluent Treatment Plant for a Sugar Factory at Faizpur, Dist. Jalgaon.

Client: Madhukar Sahakari Sakhar Karkhana Ltd.,Faizpur, Dist. Jalgaon.Project cost: Rs. 32 Lacs.Services rendered: System Design and Structural EngineeringYear: 1990

Damani Tower, at Solapur.

Client	: V.T. Kota & Associates
Services rendered	: Structural Engineering
Year	: 1993-94

Ashwini Clinic-Hospital, at Solapur.

Client: V.T. Kota & AssociatesServices rendered: Structural EngineeringYear: 1990-91

Congress Bhavan, at Solapur.

Client	: V.T. Kota & Associates
Services rendered	: Structural Engineering
Year	: 1990-91

Filter House for MSEB at Parali Thermal Power Station.

Client	: V.M. Jog Constructions Ltd., Pune.
Project cost	: Rs. 36 Lacs.
Services rendered	: Structural Engineering
Year	: 1989

Residential Complex for NPOL, Kakkanad.

Client	: Kirloskar Consultants Ltd.
Project cost	: Rs. 1.2 Crore.
Services rendered	: Structural Engineering
Year	: 1987

STRUCTURAL WORK FOR MATERIAL HANDLING PROJECTS

Conveyor Galleries and Storage Bunkers for GAIA / Wilmar, Indonesia

Client : Fertiplant Engg. Co. Pvt. Ltd. Mumbai Year : 2002

Civil and Structurals for Salt Handling System for Grasim Industries Ltd.

Client : Cobit Year : 1994-95

Structurals for Oil Seeds Storage and Handling System at Mehasana, Alwar and Palanpur for NDDB.

Client : Thermax Ltd.(P.H.E.Div.) Project cost : Rs. 35 Lacs. Year : 1993-94

130 Cum. Lignite Storage Bunkers for 19 MW Co-generation Project at Thirumandankudi, TN.

Client : Thermax Babcock & Wilcox Ltd. Year : 1994

Product Separation House for Tamilnadu Sponge Iron Ltd.

Client : ENGG-CONS, Pune. Project cost : Rs. 21 Lacs. Year : 1992

Coal Handling System for Glaxo Laboratories, Orai.

Client: AG Engineering Services, Pune.Year: 1989

Raw Material Handling System (I) for Sunflag Iron & Steel Co. Ltd., Bhandara.

Client : Sp	: Space Age Engg.	
	Projects Pvt. Ltd., Pune.	
Structural Steelwork	: 350MT	
Year	: 1987-88	

Coal Handling Plant for Garden Vareli Silk Mills Ltd., Surat.

Client	: Technical Development and Applications, Pune.
Structural Steelwork	: 150MT.
Year	: 1986-87



TECHNOLOGICAL STRUCTURES

EMS Conveyor Supporting Structure for Mahindra & Mahindra, Nasik.

Client : Automag India Pvt. Ltd. Services rendered : Structural Engineering

Pallet Storage & Retrieval System for Navaneet Publications Ltd.

Client: Nikhil Equipments Pvt. Ltd. Pune.Services rendered: Structural EngineeringYear: 1998-99



Structure for Hanging Spot Welding Guns & Hoists for Premier Automobiles (India Auto), Kurla Mumbai.

Client : Automag India Pvt. Ltd. Pune. Services rendered : Structural Engineering Year : 1999

Stacker Reclaimer for JK Cements

Client: Enggcons, Pune.Services rendered: Structural EngineeringYear: 1996

Chain Conveyor for Ordnance Factory at Medhak & Madras.

Client: Statfield Systems (coating) Pvt. Ltd., Pune.Project cost: Rs. 16 Lacs.Services rendered: Mechanical and structural engg.Year: 1988-89

Wagon Tippler Structural for Sunflag Iron & Steel Co. Ltd., Bhandara.

Client : Space Age Engg. Projects Pvt. Ltd., Pune. Services rendered : Structural engg. Structural steelwork: 150MT.. Year : 1988-89

Support System for Automatic Stacking and Retrieval System at L & T Bangalore.

Client	: Intelligent Conveyors and Stackers P. Ltd., Pune.
Year	: 1986-87

CURRENT PROJECTS Inland Container Depot for KSH Distriparks Pvt. Ltd at Talegon, Pune. Client : KSH Distriparks Pvt. Ltd. Project cost : Rs. 13.0 Crore (Estimated) Built-up Area : 11000 Sqm. (Approx.) Services rendered : Arch., structural, electrical, and project management Vending Mix Plant for Hindustan Unilever Ltd at Baddi, Himachal Pradesh. Client : Hindustan Unilever Ltd. Project cost : Rs. 7.5 Crore (Estimated) Built-up Area : 3500 Sqm. (Approx.) : Arch., structural, electrical, industrial utilities, HVAC and project Services rendered management Fruits & Vegetable Processing Unit for Foods & Inns Ltd at Sinnar, Nasik, Maharashtra. : Food & Inns Ltd. Client Project cost : Rs. 4.65 Crore (Estimated) Built-up Area : 6200 Sqm. (Approx.) Services rendered : Arch., structural, and project management