VALUE ADDITION THROUGH ENGINEERING EXPERTISE
RAPID GROWTH STORY

Operational since 2009, GEM Engserv Pvt Ltd has grown rapidly as an Engineering & Management Service Provider to the construction industry.

- 100+ Projects worldwide
- 1,500,000+ Metric ton of Rebar Detailing
- 3+ Million Sq. Mtr of Quantity Take Off
- 10+ Sites on Direct QC Supervision
- 100+ Satisfied Clients
- 2,000+ Industry Professionals Trained

REVENUE IN CRORES

2011: ₹2.63
2012: ₹4.3
2013: ₹6.28
2014: ₹7.2
2015: ₹10.26
2016: ₹10.4
2017: ₹11.8
2018: ₹19.0
2019: ₹23.36
2020: ₹20.37
2021: ₹

NUMBER OF EMPLOYEES

2011: 31
2012: 38
2013: 50
2014: 75
2015: 119
2016: 110
2017: 150
2018: 250
2019: 318
2020: 321

CLIENTS ACROSS THE GLOBE

Why Us?

Engineers of GEM Engserv strive to complete assignments on scheduled time, within budgeted cost, as per specified quality, with minimum wastage and in safe working conditions.

- 360° engineering competence (Pre-construction as well as Construction Management)
- In-House Expertise in Cost Management, Planning & Scheduling, Contracts Management, Quality & Safety Management, Structural Design
- Complete ownership & accountability
- Quick identification and recruitment of resources through our in-house recruitment team
- Modern technology driven systems such as app based quality control & reporting
- Expert advice & technical inputs from senior professionals
- Optimal cost structure
- Passionate about construction quality with a culture of “No Compromise”
OUR PROJECTS

REAL ESTATE

Godrej Two
Godrej Trees
Godrej Golf Links

Mahindra Antheia
Bhendi Bazaar Redevelopment

Tata Housing Amantra
GIDC Fairfield Marriott
Vidyalankar Institute of Management

AFCONS - Chenab Bridge
Konkan Railway - Roha Veer Doubling
IRCON - Dedicated Freight Corridor

INFRASTRUCTURE
<table>
<thead>
<tr>
<th>Client Feedback &amp; Testimonials</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>We are totally satisfied with the quality of service, site practices, safety standards for PMC Services provided for our project.</strong></td>
</tr>
<tr>
<td><strong>IRCON is fully satisfied with services, deliveries, manpower deployed on the project for planning, scheduling &amp; monitoring of our project.</strong></td>
</tr>
<tr>
<td><strong>Engineers of GEM are highly qualified and have full knowledge of the aspects along with very positive and professional approach.</strong></td>
</tr>
<tr>
<td><strong>Thanks for your excellent inputs on assessment of Quantity Take Off</strong></td>
</tr>
<tr>
<td><strong>We appreciate GEM Engserv’s fast response &amp; quick turnaround time for completing RC detailing of project on time.</strong></td>
</tr>
<tr>
<td><strong>GEM Engserv has successfully completed detailed design of foundation for doubling of track from Roha to veer over konkan railway with satisfactory quality and time.</strong></td>
</tr>
<tr>
<td><strong>We thank GEM Engserv for timely completing technical due diligence services for Supermadi HEP, Nepal with the best quality.</strong></td>
</tr>
<tr>
<td><strong>GEM Engserv has provided TPOC services for IT/ITES SEZ Project, Faridabad at par with best industry standards, we definitely would take services again in the future.</strong></td>
</tr>
<tr>
<td><strong>GEM Engserv provided structural design review &amp; audit consultancy for our project with the best standard of practices as per contract.</strong></td>
</tr>
<tr>
<td><strong>The Structural Audit services for GNFC Facility in Gujarat by GEM was completed with superior quality and in stipulated time.</strong></td>
</tr>
</tbody>
</table>

**CONSISTENTLY DELIGHTING OUR CUSTOMERS!**

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**GEM Engserv** wins 8th GPL Safety Awards 2017 for Godrej Garden City, Ahmedabad

**GEM Engserv** wins an award for completing Plinth Level during FY 17-18 with Zero Man-Days Loss for Godrej 2 Project

**GEM Engserv** wins an award for Best Safety Implementation on site for Godrej 2 Project

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**REGISTERED OFFICE:**

GEM Engserv Private Ltd, A-103, The Great Eastern Chambers, Plot No. 28, Sector - 11, CBD Belapur, Navi Mumbai 400614

NCR regional office coming up soon

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**FOR ENQUIRY:** [www.gemengserv.com](http://www.gemengserv.com)

Shashikant Zarekar (Brand Manager)

+91 77770 16824 | business@gemengserv.com

Parul Verma (Manager - Business Development)

+91 80857 03775 | parul.verma@gemengserv.com

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**PROPERTIES**

Heartiest Congratulations to the entire team for winning this Global Recognition - A 5 star rating and the actual Sword of Honour from the British Safety Council this year!

- Pirojsha Adi Godrej, Chairman, Godrej Properties Limited

(GEM Engserv was part of the team at Godrej Two site)
SHASHANK VAIDYA, DIRECTOR
Shashank is an alumnus of IIT Madras, with President’s Gold Medal in M.Tech. (Structure). He has over 3 decades of experience in Bridge Engineering, Quality Management, Training, Concrete Technology and Managing large construction contracts and many arbitration cases as an arbitrator and technical expert. He is a certified Lead Auditor of ISO 9001 and was conferred with Lifetime Achievement Award 2019 by the Indian Concrete Institute.

DR. MOHANA RAJE, DIRECTOR
Mohana is a Ph.D. in “Alternative Dispute Resolution with respect to Civil Engineering Contracts in India”. She was a practicing Advocate with expertise in contracts law and a faculty of Business Laws.

SANJIV ANAND, COO
Sanjiv is an alumnus of VNIT Nagpur, with B.Tech. in Civil Engineering and a certified Project Management Professional from SP Jain Institute of Management & Research. He has over 3 decades of experience in Construction Management, Business Development and Contracts Administration.

OUR MANAGEMENT: HANDS ON APPROACH

Jagdish had a vision of making GEM Engserv as “The Engineering Consultant of Choice” to our clients and to provide meaningful, professional and dignified employment to many. Mr. Jagdish Raje was an alumnus of IIT Madras and had over 3 decades of experience in Construction & Contracts Management, Cost Planning & Control as well as Structural Design. Under Jagdish’s guidance, GEM reached a size of 300+ employees spread over various project sites across India. With the perseverance of entire GEM team, we shall continue to maintain his legacy by following his vision and serving clients with commitment.

SERVICE OFFERINGS

PROJECT MANAGEMENT CONSULTANCY
QUALITY MANAGEMENT
REBAR DETAILING & BBS
GILBANE - QTO
EXPERT ADVISORY
QS & COST CONSULTANCY
CONSTRUCTION TECHNOLOGY
CONTRACTS MANAGEMENT

PM C | QS & COST CONSULTANCY | QUALITY | CONTRACTS | REBAR & BBS | TRAINING | EXPERT ADVISORY
PROJECT MANAGEMENT CONSULTANCY

WHAT

- Construction supervision & coordination
- Bill certification & cost monitoring
- Schedule preparation & control

SERVICES

- Quality & safety management
- Documentation control
- MIS & reporting

WHY

- To complete project with aggressive timelines
- To execute in budgeted cost
- To deal with the complexity of designs
- To adhere to the defined scope of work

IMPORTANCE

- To complete the project in safe working condition
- To have minimum rework & wastage
- To deal with ambiguity in roles & responsibility of the project stakeholders

HOW

- Quick Ramp-up as required
- In-House resources during Pre-construction, During Construction & Post-Construction
- Dedicated manpower with ownership
- Direct supervision and guidance by senior management
- Expert teams in Head office to support PMC Functions

METHODOLOGY

- To complete project with aggressive timelines
- To execute in budgeted cost
- To deal with the complexity of designs
- To adhere to the defined scope of work

STANDARDS & SOFTWARES

- PMBOK
- Krystal DMS System
- Primavera P6 & MS Project
- ERP
- ProgeCAD

CLIENTS

GODREJ INFRASTRUCTURE DEVELOPMENT CORPORATION

THE TREES

GODREJ GREENS

GODREJ GOLF LINKS

Ozone Group

IRCON INTERNATIONAL LIMITED

SAIFEE BURHANI UPLIFTMENT TRUST

SAIFEE BURHANI UPLIFTMENT TRUST
PROJECT MANAGEMENT CONSULTANCY

Godrej 2 - Commercial Tower (1.2 Million Sq. Ft.)

Godrej Trees Residential Building (1.7 Million Sq. Ft.)

SAFETY

SAFETY

Cost

Estimation

Rebar

Detailing

Technical

Audit

Contracts

Management

Third Party

Quality Control

Quantity

Surveying

PMC

Schedule

Control

Design & Value Engineering

PRE - DURING - POST

CONSTRUCTION

OUR ENGINEERS HAVE GOT IT ALL COVERED
QUALITY & OHS MANAGEMENT

WHAT
- One time or periodic Quality Audits/OHS/Structural Audits
- Advisory to improve construction quality
- Third Party Quality Control
- Organisation-wide improvement through implementing QMS
- Providing an app to implement Quality Management at Projects
- Any combination of above

WHY
- Ensuring Quality of construction is a legal & moral responsibility
- Safe workplaces enhance productivity
- Your brand is as good as the quality of your product & service
- Quality costs, but the lack of quality costs even more!
- Quality App facilitates seamless integration of quality control with project execution
- Audits help you understand the quality of your quality control

HOW
- We deploy QC engineers with experience in civil/finishing/MEPF activities as per the requirements of the project
- Doer-checker concept helps to promote ‘Do it right the first time’ concept.
- Independent QC engineers ensure that quality issues are escalated to the right person at the right time.
- An App based system is deployed to provide ‘paperless’ QC system
- All quality checks are integrated with construction workflow to avoid delays and disputes
- Use of App promotes evidence and facts based decision making
- All quality reports are generated from the system

STANDARDS & SOFTWARES
- QC App
- ISO 9001
- IS specifications

CLIENTS

- Godrej Properties
- Bain & Company
- Peninsula Land
- Puravankara
- ASF Insignia
- Oberoi Realty
- Mahindra EPC
- Transcon
- SBP
- Terraform Realty
- Shree Group SATELITE
- Sime Darby
- SAIFEE BURHANI UPLIFTMENT TRUST
IF IT'S GEM, QUALITY IS ALWAYS ASSURED!

QUALITY POLICY

GEM Engserv is committed to continually enhance customer satisfaction by providing value added, customer focused & best in class services.

Client Appreciation

It gives us immense pleasure that VBHC's Vaibhava project Anekal, Bengaluru won “The Most Outstanding Concrete Structure of Karnataka” by the Indian Concrete Institute. I appreciate for support and services offered by GEM Engserv for robust QMS and deploying state of the art technology in concrete construction.

- Chief Operating Officer, VBHC Pvt Ltd.

SAFETY POLICY

GEM Engserv is committed to provide safe working conditions and healthy environment to all employee and others associated with its activities. GEM Engserv shall ensure compliance with all legal requirements.

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GEM Engserv wins an award for Best Safety Implementation on site for Godrej 2 Project

Third Party Quality Control (QC) services for our residential projects has helped these projects reach quality standards as per industry norms. We wish you success in future assignments!

- Sr. Vice President, Purvankara Pvt Ltd.
REBAR DETAILING & BBS

WHAT

- 2D Rebar Shop Drawings
- Bar Bending Schedules
- Reinforcement Quantity Take Off
- Structural GA Drawings
- AS Built Drawings
- 2D to 3D Visualization

WHY

- Additional space required for steelyard if cutting & bending done on site
- Saving in rebar placing efforts & time using BBS & Shop drawings
- Extra cost is incurred on wastage, cutting & bending inventory cost, technical monitoring, theft loss if stored on the yard
- Compliance to Safety Standards, Detailing codes, Shape code library
- Optimisation can help reductions in wastage/scrap

IMPORTANCE

- Reducing scrap with cutting and bending at site
- Use of similar dia/lengths of rebar through rationalizing area of reinforcement
- Use of simple shapes for ease of installation and understanding by site engineers
- Use of standard pre-assembled rebar cages for typical members like walls, columns, beams etc.
- Use of preassembled cages and special shape codes for projecting bars with importance to Health & Safety

METHODOLOGY

- Softwares: CADS RC & LOHA
- INDIAN (IS2502, IS456, IS13920, SP34), American (ACI135,AC1318), British (BS8666, BS8110), European (EN1992-1-1), Australian (AS 3600)

CLIENTS

- SAIFEE BURHANI UPLIFTMENT TRUST

SERVICES

- 2D Rebar Shop Drawings
- Bar Bending Schedules
- Reinforcement Quantity Take Off
- Structural GA Drawings
- AS Built Drawings
- 2D to 3D Visualization

STANDARDS & SOFTWARES

- 2D Rebar Shop Drawings
- Bar Bending Schedules
- Reinforcement Quantity Take Off
- Structural GA Drawings
- AS Built Drawings
- 2D to 3D Visualization
SECTORS SERVED:

- Residential
- Industrial
- Utilities
- Sub Stations
- Power Plants

INTERNATIONAL PROJECTS:

- UK: Battersea Station, 9 ELMS Station, Severenside ERIC, South Quay Plaza
- USA: Harmony Grove Water Plant, Black Mountain Pumping Station, Beekman Avenue, San Diego Women's Detention, Broadstone Balboa
- Australia: Westgate Tunnel

1,500,000+ Metric ton of Rebar Detailing
QS & COST CONSULTANCY

WHAT

- Quantity Surveying & BOQ Preparation
- Rate analysis
- Estimation & budgeting

SERVICES

- Cost planning & cost monitoring
- Assessment of cost to complete

WHY

- Accurate cost planning & continuous cost control protects the owner from financial shocks
- BOQ is an essential bridge between the design engineer & cost planner
- An accurate cost plan is of great help during finalization of contracts
- Cost planning helps to control cost at every stage of project development

IMPORTANCE

- Broad cost plan at concept level
- Elemental cost plan at schematic level
- Detailed BOQ work out and cost plan at Design & Development stage
- Refining BOQ & cost plan at tender level
- Final construction cost plan on basis of GFC & awarded contracts
- Cost monitoring through construction phase including cost-to-complete assessment

STAGES OF COST PLAN

- Detailed BOQ work out and cost plan at Design & Development stage
- Refining BOQ & cost plan at tender level
- Final construction cost plan on basis of GFC & awarded contracts
- Cost monitoring through construction phase including cost-to-complete assessment

STANDARDS & SOFTWARES

- AUTOCAD
- ON SCREEN TAKEOFF
- AGTEK
- MODE OF MEASUREMENT: IS 1200, SMM7, CESMM4, POMI, ARM4

CLIENTS

- Gilbane
- Properties
- Omkar
- Afcons
- Granite
- Tata Realty and Infrastructure Limited
- Swinerton
- Kier
- Mahindra Lifespaces
- Shapoorji Pallonji
- Pave
- Bhumi Realty
- AMPCO
- Dragados
- FMAAR
- Maritime Constructions
- HCC
GEM Engserv has successfully assessed structural steel quantities for Chenab Bridge to our satisfaction within stipulated time & quality. This bridge has a complex geometry like space frame with a curvature in two planes. The approx. quantities of structural steel involved were 28000 MT.

Vice President - Afcons Infrastructure Pvt Ltd.

GEM Engserv has satisfactorily completed preparation of cost plan, contracting strategy, Bid Management, Cost Monitoring by on-site deployment as per stipulated time & quality.

Sr. Vice President - T Bhimjiyani Realty Pvt Ltd.

GEM Engserv has satisfactorily provided and completed Quantity take off and preparation of Bill of Quantities for Oceanwide Plaza’s structure, finishes, MEP & Rebar take-off within stipulated time & quality.

Director, Swinerton Builders USA
**TRAINING & DEVELOPMENT**

**WHAT**
- Rigorous full-day training program by senior industry experts
- Personalized training programmes to master specific topics
- Case study based teaching method to give hands-on experience
- Quiz and interactive sessions in an open forum
- Corporate training program at clients facilities

**WHY**
- To expand the knowledge base of engineers
- To improve employee performance by equipping them with new skills
- To understand quality standards and industry benchmarks
- To stay updated with industry best practises & to have competitive edge
- Networking opportunity with fellow industry colleagues

**SERVICES**
- Dr. Mohana Raje, Director
- Mr. Shashank Vaidya, Director
- Mr. Shailesh Mirkar, Vice President
- Mr. Ranjit Patil, General Manager
- Mrs. Pranita Kale, General Manager
- Mr. Hemant Sonawane, General Manager

**IMPORTANCE**
- To expand the knowledge base of engineers
- To improve employee performance by equipping them with new skills
- To understand quality standards and industry benchmarks
- To stay updated with industry best practises & to have competitive edge
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**FACULTY**

**CLIENTS**
Courses Delivered So far...

Concrete Mix Design 1

Quality management in concrete construction 2

Developing Internal Auditors for Quality/Safety/ISO 9001 based on Audits 3

Value Engineering in Construction 4

Design Engineering for Construction Professionals 5

Art & Science of Decision making for project execution 6

Construction Contracts 7

Basic of construction project management 8

Management of reinforcement works 9

Project Operations 10

Work Life Balance 11

Stress Management 12

Communication Skills for Engineers 13

PARTICIPANTS FEEDBACK

It is a must needed program to undergo this type of training. It really helped in practical implementation.

Demonstration skills of the faculty were very impressive & the problems solving approach was very helpful.

The Faculty was knowledgeable and solved all my doubts with personal attention. I look forward to attend again in the next lectures.

Nothing to suggest anything as the program was already very good!

This program was very informative and conducted to the best, got insights on the latest technology in the industry..
CONTRACTS MANAGEMENT

SERVICES

- Contract document formulation for corporate clients on various modes of construction contracts such as EPC, GMP, BOT, BOOT, lump sum, item rate, Hybrid annuity etc.
- Bid management for diversified client base & recommending contracting strategy as well as assistance in contracts administration.
- Review and/or modification of contract documents in view of the business needs.
- Provide advice on claims / counter claim formulation, pre-arbitration and arbitration proceedings, claim validation, expert deposition for claims.
- Training Programme on various topics of construction contracts management.

IMPORTANCE

- Poorly drafted contract documents lead to disputes and then claims.
- While drafting contracts lack of understanding about construction, law or both lead to disputes and claims.
- Adapting the contract documents from some other business leads to poor contract management.
- Usage of onerous clauses which are not recommended by law leads to quashing of claims.
- Lack of contractual correspondence in a professional manner leads to poor claim management.
- Lack of contracts administration skill with project team leads to poor contracts management.

METHODOLOGY

- Suggesting exclusive contract clauses after understanding client’s project requirements and business practices.
- Explaining legal aspects to clients.
- Drafting an exclusive contract to fit the client needs and legally best fit business practice.
- Using trade off techniques in drafting to benefit the client.
- Assisting clients to examine the claims within the framework of the contract.
- Training client’s contract team on the skills of contract management.

CLIENTS
CONTRACTS MANAGEMENT

Technical Expertise During Arbitration

01
Counter claims from technical perspective

02
Deposition as a technical expert

03
Facing cross examination

04
Assisting counsel in appreciating technical aspects of the issue

CLIENTS SERVED

15+ GCC/SCC DRAFTING
10+ BID MANAGEMENT

AWARD OF CONTRACT

Expression of Interest (EOI)
Pre-Qualification process
Preparation of tender document
Floating of tender
Conducting Pre-Bid Meeting
Attending queries
Bid Evaluation
Recommendation report to the client
STRUCTURAL DESIGN ENGINEERING

WHAT
- Design of bridges
- Peer review of bridge designs
- Design of buildings
- Peer review of design of buildings

WHY
- Audits help assess the structural health of assets
- Value Engineering helps in optimization of cost / time
- Structural designs / Peer reviews ensures code compliant and safe structures
- Temporary works ensures speed & safety of construction

HOW
- We have structural design engineers from premier engineering institutions
- Engineers trained in audit of quality of construction & structural behaviour carry out the inspection
- Association with reliable agencies for NDT
- Experts with design, construction & audit experience to guide & mentor the team

SERVICES
- Design of temporary arrangements
- Structural audit of bridges & buildings
- Value Engineering
- Defect Diagnostics

IMPORTANCE
- Audits help assess the structural health of assets
- Value Engineering helps in optimization of cost / time
- Structural designs / Peer reviews ensures code compliant and safe structures
- Temporary works ensures speed & safety of construction

METHODOLOGY
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STANDARDS & SOFTWARE
- Software:
  STAAD PRO / ETABS / SAP 2000 / CSI BRIDGE / SAFE

CLIENTS

MUMBAI METRO ONE
Substructure Design for major bridges

Structural Audit service of a Hydro Power Plant

Diagnosis of cracks in a port structure in West Africa

Inspection of slab during a structural audit in a commercial building in Navi Mumbai

Audit / Inspection of a suspension bridge