VALUE ADDITION THROUGH ENGINEERING EXPERTISE
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.

OUR MANAGEMENT: HANDS ON APPROACH

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.

SERVICE OFFERINGS

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

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

(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

INFRASTRUCTURE

AFCONS - Chenab Bridge

Konkan Railway - Roha Veer Doubling

IRCON - Dedicated Freight Corridor
**WHAT**

- Construction supervision & coordination
- Bill certification & cost monitoring
- Schedule preparation & control
- 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
- 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
- To complete the project in safe working condition
- To have minimum rework & wastage
- To deal with ambiguity in roles & responsibility of the project stakeholders

**STANDARDS & SOFTWARES**

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

**CLIENTS**

- THE TREES VIKHROLI MUMBAI
- GODREJ GREENS
- GODREJ GOLF LINKS GREATER NODA
- ozoneworldgroup
- EMAAR
- SAIFE BURHANI UPLIFTMENT TRUST
- GODREJ INFRASTRUCTURE DEVELOPMENT CORPORATION
Godrej 2 - Commercial Tower (1.2 Million Sq. Ft.)

Godrej Trees Residential Building (1.7 Million Sq. Ft.)
QUALITY & OHS MANAGEMENT

WHAT

- One time or periodic Quality Audits/OHS/Structural Audits
- Advisory to improve construction quality
- Third Party Quality Control

SERCVICES

- 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

IMPORTANCE

- 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

METHODOLOGY

STANDARDS & SOFTWARES

- QC App
- ISO 9001
- IS specifications

CLIENTS
QUALITY IS ALWAYS ASSURED!

IF IT’S GEM,

QUALITY POLICY

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

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.

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.

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.
**WHAT**
- 2D Rebar Shop Drawings
- Bar Bending Schedules
- Reinforcement Quantity Take Off

**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

**SERVICES**
- Structural GA Drawings
- AS Built Drawings
- 2D to 3D Visualization

**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)
SECTORS SERVED:

Commercial

Residential

Industrial

Hotels

Utilities

Roads & Bridges

Sub Stations

Underground Metro Rail

Power Plants

INTERNATIONAL PROJECTS:

UK

Battersea Station

Severenside ERC

South Quaysplaza

Big Data Institute Oxford

Harmony Grove Water Plant

Beekman Avenue

San Diego Women’s Detention

Broadstone Balboa

Australia

Westgate Tunnel

USA

9 ELMS Station

250 City Road

Black Mountain Pumping Station

Black Mountain Pumping Station
**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
- Godrej Properties
- Omkar
- AFCONS
- Granite
- Tata Realty and Infrastructure Limited
- Swinerton
- Kier
- Mahindra Lifespaces
- Shapoorji Pallonji
- Pave
- Quimby
- AMPCo
- Dragados
- Maritime Constructions
- HCC
- Saffee Burhani Upliftment Trust
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

SERVICES
- 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

IMPORANCE
- 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

FACULTY
- 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

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 claims.
- Lack of understanding about construction, law or both lead to 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

- Drafting contract clauses after understanding client’s business practices.
- Explaining legal aspects to clients.
- Suggesting an acceptable best fit 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
We are totally satisfied with the quality of service, site practices, safety standards for PMC Services provided for our project.

IRCON is fully satisfied with services, deliveries, manpower deployed on the project for planning, scheduling & monitoring of our project.

Engineers of GEM are highly qualified and have full knowledge of the aspects along with very positive and professional approach.

Thanks for your excellent inputs on assessment of Quantity Take Off

We appreciate GEM Engserv’s fast response & quick turnaround time for completing RC detailing of project on time.

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.

We thank GEM Engserv for timely completing technical due diligence services for Supermadi HEP, Nepal with the best quality.

GEM Engserv has provided TPQC services for IT/ITES SEZ Project, Faridabad at par with best industry standards, we definitely would take services again in the future.

GEM Engserv provided structural design review & audit consultancy for our project with the best standard of practices as per contract.

The Structural Audit services for GNFC Facility in Gujarat by GEM was completed with superior quality and in stipulated time.

CONISTENTLY DELIGHTING OUR CUSTOMERS !

- Director, Gogte Infrastructure Development Corporation Ltd.
- Project Director, IRCON International Ltd.
- Anonymous, Customer Feedback Survey 2019
- Vice President, AFCONS Infrastructure Ltd.
- Senior Engineer, Whitbywood Ltd.
- Senior Engineer, Konkan Railway Corporation Ltd.
- President, Ayoki Fabricon Pvt Ltd.
- Vice President, ASF Insignia SEZ Pvt Ltd.
- Head Infrastructure, ADLABS Entertainment Ltd.
- BD & Ops Manager, Lloyd’s Register Group Ltd.

“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)"

FOR ENQUIRY: www.gemengserv.com

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REGISTERED OFFICE:

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NCR regional office coming up soon