



SHABBIR LOKHANDWALA

Professional Structural Engineer having vast experience in design of High rise buildings comprising of Hotels, Mixed used developments, Residential Buildings and commercial buildings. I have also designed bridges and currently I am designing precast High rise buildings in India.

Professional Summary

Managing Director / Principal Structural

SLABS

Pune, India

Project Summary

KIA (Kuwait Investment Authority), Kuwait *(Office Tower comprising of 47 Story and podium of 11000 m²)*

- I was involved in Design development stage and Working Design Stage.
- Performed Complete Analysis and Design of Podium Superstructure and Substructure
- Coordinating with MEP and Architectural Services
- Reviewing the drawings and coordinating with draftsmen to prepare working drawings



Al Reem Hotel Tower, Abudhabi, UAE *(Hotel Tower comprising of 35 Story)*

- I was involved since its inception and schematic design stage. I was driving the project and decided its framing to suite lateral and gravity load path.
- Reviewing drift and other parameters as per serviceability requirements.
- Coordinating with MEP and Architectural Services.
- Performed QAQC for this project, during its submission for design development stage. Reviewed entire design of this project done by several team members.



Nation Towers, Abudhabi, UAE *(Commercial Tower comprising of 52 Story)*

- Performed value engineering for this tower. Reviewed differential settlement of columns and Core walls.
- Redesigned the towers and saved high amount of value occurred from savings in steel, for the client.



Baraya Centre, Doha, Qatar *(Mixed use High rise buildings and Podiums)*

- Performed Schematic Design and Development design for part plan of this project.
- Played various other roles of coordination with MEP and Architects.
- Design Canopy made in Steel, located at the main entrance.



Kuwait Business Towers, Kuwait

(Office Tower comprising of 40 Story)

- Involved in design during working design stage.
- Converted existing mid half constructed tower for using as parking facility. Provided efficient steel ramp solution to make it as a doable solution.
- Reviewed Foundation design for existing tower and its impact due to several revisions in design.



Barwa Financial Centre, Qatar

(Mixed use high rise buildings and Podiums)

- Responsible for reviewing Towers core areas, as it went under revisions during construction stage.
- Designed Pile and Raft foundations for towers and podium areas.
- Performed soil structure interaction study using FEM modeling.
- Addressed RFI's during Construction stages.



United Towers, Kuwait

(Mixed used Tower comprising of 60 Story, 265 m Tall)

- I was an active supervisor and part of a team during its execution.
- Performed various roles on site like coordinating with various disciplines to ensure the progress of work is in accordance with specifications and drawings.
- Played a notable role as I performed this task during my leisure time, out of my working hours from office.
- I had been part of this project for about a years time.
- Got an applause from the team, for performing on site for this long duration without any financial rewards or incentives, just to gain exposure and experience of construction.



Seawoods, Mumbai, India

(Mixed used Tower and extended podium, 5 million ft²)

- I have done peer review of this project and had provided value engineering services.
- Reviewing Design Calculations and Drawings.
- Preparation of report to provide value engineered inputs to client regarding structural stability and reducing cost of project.



MIAL, Mumbai, India

(Landmark Building, Mumbai International Airport)

- Performed Peer review of its entire cladding and façade covering an area of 400000 m².
- Performed analysis and design of several components of cladding units.
- Checked design of Cladding structural panels used to hang GFRC panels which covered entire MIAL area.
- Included findings in report and suggested various ways of improvisation in methodology of its connection and issues pertaining to erection procedure on site.



HSBC, Srilanka

(Historical 120 year old building located at the city centre)

- Reviewing 120 years old building. I reviewed its design and found its capacity which existed at present.
- Responsible to find out why the cracks had occurred in this old building after prolonged amount of years of its standing.
- Performed detailed cracked section analysis to come out to final conclusion.
- Preparation of report providing valuable suggestions to client in order to retrofit and improve the strength of its existing structure.



Commune 1, Bangalore, India

(Precast - 5 Residential Towers of 15 Story and extended podium)

- I am solely responsible for this entire project of about 0.5 million ft² since its inception towards its complete Detailed design stage.
- Extensively coordinating with MEP and architects for final approvals and incorporating it into structural design.
- Responsible for preparation of tender drawings.
- Managing team of draftsmen to complete and meet the project deadlines.
- Project comprises of precast shear walls and precast slab panels. Entire building is constructed purely using precast structural elements.



TATA Peenya, Bangalore, India

(Precast Residential Towers of 15 Story, an area of 3 Million sq.ft²)

- Responsible for day to day design and coordination for this project.
- Managing team of draftsmen and structural engineers.
- I am solely responsible for structural design of this complete project which is ongoing.
- Project has been successfully reviewed by renowned consultants.
- Project comprises of precast shear walls and precast slab panels. Entire building is constructed purely using precast structural elements.



Golf County, Noida, India

(Precast Residential Towers of 23 Story and extended podium)

- I am solely responsible for this entire project of about 3 million ft² since its inception towards its complete Detailed design stage.
- Extensively coordinating with MEP and architects for final approvals and incorporating it into structural design.
- Responsible for preparation of tender drawings.
- Managing team of draftsmen to complete and meet the project deadlines.
- Project comprises of precast shear walls and precast HCS panels. Entire building is constructed purely using precast structural elements.



Brookwoods, Bangalore, India

(Residential Towers of 15 Story, an area of 1 Million ft²)

- I have Prepared feasibility report for this project right from its inception.
- Currently designing this project. I have been Leed engineer on this project from its inception.
- Responsible for day to day coordination and meetings for the project.
- Prepared Schematic Design for this project.



Raipur Shopping Mall, Raipur, Chhattisgarh, India

(3 lakh ft² Mixed use development Hotel and Mall)

- Providing Structural Engineering and Design services to the client for this entire project.
- Coordinating with all consultants and contractors working on this project.
- Managing team of design engineers and draftsmen professional and ensuring deliverables on time.

Hyatt Regency, Pune, Maharashtra, India

(12000 ft² Facade design and retrofitting)

- Provided Structural Engineering and Design services to the client for this entire project.



Educational Qualifications

- Bachelor in Civil Engineering, Pune University , Distinction
- Master of Technology in Structural Engineering, IIT Roorkee , Rank Holder

Professional Memberships

- Graduate Member, IStructE, UK (Appearing for Chartered Engineering Examination)
- Member, ACI, USA
- P.M.C , Licensed Structural Engineer , 525A, Pune, India

Awards

- 2nd Prize for RAISE India Homes 2020 Design competition held by TATA TISCON, for designing of Modular Housing Project using Precast Technology , 2013
- Winner of Bridge Design Competition held at IIT Roorkee, India , 2011
- Winner of Product Design Competition held at IIT Roorkee, India , 2011
- I have been awarded various prizes in the field of Robotics at National level Robotics competitions during my graduation. I have won about 25 various awards and certificates during my graduation and post graduation, ‘ 2004 - 2008 ’
- I have been awarded 2nd in blind typing competition held at Pune, India. I had stood 2nd among 400 participants participated , 2007

Conferences and Short term Courses Attended

- Two days workshop on “Advances in Geotechnical Investigations”, by INDIAN GEOTECHNICAL SOCIETY, Pune, 2006.
- Seminar on “Developments of Concrete Materials and Structural Design” by ACI, Kuwait, 2009.
- Four day training course on “Revit Structures”, by BIM, Kuwait, 2009.
- Three day advance training course on “SAFE”, by CSI, U.S.A, 2009.
- Four day rigorous training on ”SAP 15, ETABS 9.7.1 and SAFE 12.3.1”, by CSI, India, 2011
- Seminar on Construction Industry “Accelerating Infrastructure Development in India”, by FICCI, New Delhi, India, 4th June 2012.
- National Conference on “Affordable Housing development innovations in India”, 28th – 31st August 2012.
- Deminar live mock up on Road construction “ UTWT 24 & Speedcrete – Integrated Road Construction Solutions” by ACC , 24th November 2012.