

NUSRAT ULLAH KHAN LEAD STRUCTURAL ENGINEER - BUILDINGS

Personal, Educational and Language Details:

Pakistani Structural Engineer, graduated BE in Civil Engineering in 1996 and MSc in Civil Engineering in 2000 from NED University of Engineering and Technology, Karachi, Pakistan, specializing in the structural engineering of high-rise and low-rise buildings with more than 21 years continuous professional experience and over 10 years in the Middle East. Mother tongue is Urdu and fully fluent in written and spoken English.

Key Skills:

21 years in building structural design and detailing industry of reinforced concrete on a variety of major projects up to 54 floors high with various consultancy companies. Skilled structural designer, with extensive design leadership experience on a wide variety of projects and with particular skills in the structural design of residential towers, hotels, hospitals, educational institutions, sewage treatment plants and power plants. Well versed in the latest computational software such as ETABS, STAAD PRO, SAFE, PROKON, PCA Col, AECOM Gear etc and fully conversant with seismic, wind and dynamic analyses and multi-storey structures to international codes such as IBC, UBC 97, ACI 318 and ASCE 7. Experienced in the analysis and detailing of raft, pile cap, mat, combined and strip and strap foundations, flat plate slabs, one- and two-way slabs, and with slab and beam etc. Also experienced in leading and performing value engineering and familiar with LEED certification requirements and structural procedures.

Experience:

2019-present: Fahd Alireza Engineering Consultants, Saudi Arabia – Lead Structural Engineer - Buildings:

Lead structural engineer responsible for all structural aspects of building design for the Royal Commission, SABIC, and other clients, including selection of structural system and preparation of structural scheme and design briefs, structural analysis and design, directing and managing structural team and review and finalisation of complete structural package.

2013-2018: Gulf House Engineering, Bahrain – Deputy Director, Structural Department:

Duties and responsibilities included leadership and direction of the structural team, selection of the structural system, preparation of the structural scheme, structural design briefs, structural analysis and design, monitoring, review and checking of the design calculations, drawings, specifications and documents, and preparation and submission of the complete design documents to the local municipality for approval. Attending technical workshops with clients, architects and MEP engineers, addressing and responding to RFIs and TQs during tender and construction phases.

2009-2013: Ibn Khaldun Almadaen Engineering Consultants, Muscat, Oman – Head of Structural Department:

Lead structural designer responsible for major project design including supervision of engineers and draughtsmen for on time completion of project/s with best quality of production, introduction of new standards for production of design and documentation works to match international best practice, structural analysis and design of multistoried RCC structures, preparation and submission of complete design package to Muscat Municipality and/or Royal Court Affairs for approval, handling RFI's and technical issues during tender to construction phase, attend technical workshops and meetings with Client, Architects, and MEP Engineers during Schematic to Construction phases of project, preparation of structural specifications and review of BOQ's, site visits to provide solutions for technically complex problems and structures.

2008-2009: Cassia and Partners, Bahrain – Senior Structural Engineer:

Senior structural engineer responsible for the structural design of RCC high rise towers and reporting to the Principal Structural Engineer.

2006-2008: Afkar Engineering Consultants, Sharjah, UAE – Senior Structural Design Engineer:

Head of structural engineering departments and led team of structural engineers and draughtsmen on a variety of projects.

1997-2004-6: Arch Vision Plus, Islamabad, Pakistan – Structural Design and then Senior Structural Design Engineer:

Responsible for analysis and design of multi-storey structures, earthquake analysis, firstly under supervision of senior engineer, and then progressively unsupervised, together with more latterly as a senior engineer, business development and management of projects including monitoring progress and performance of team engineers.