**ATUL SAXENA**

* **B.I.M.CHARTERED STRUCTURAL ENGINEER & ARCHITECT**
* **INCOME TAX VALUER&ARBITRATOR(GOVT.Of India)**
* **CONTRACT- PROJECT MANAGEMENT PROFESSIONAL**
* **25+YEARS EXPERIENCE IN AFRICA, MIDDLE EAST, TURKEY, INDIA**
* **Mobile: +919140819166,email-atulkumarengineer@rediffmail.com**

**Executive Summary**

* A result-oriented Chartered Civil-Structural Engineer & Architect with expertise in multidisciplinary Technical Design, BIM and Construction, complex projects, contract top management positions.

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* **Exposure Sectors**: **High-rise Buildings, Luxury Villas, Townships, Shear Wall Affordable buildings using Western Form,** Oil & Gas, P.E.B, Steel & Power, Substation and Transmission Lines, Industrial Structures, Water Supply Projects, ROB, VUP, CUP, Major Bridgess, with Regional and International Groups.

**KEY PERFORMANCE AREA**

* Front-End Engineering (FEED), Architecture and Engineering (A&E),Project Management & Control(PMC)
* Expertise in VALUE ENGINEERING, SMART TECHNOLOGY TRANSFER FOR Oil & GAS, ARCHITECTURE &CIVIL STRUCTURE ENGINEERING as well as team building & management.
* Conceptualization, Methodology, Engineering, Design, Procurement, and Construction (EPC), Valuation, Arbitration.
* Structural Audit, Review& Vetting, Value Engineering, Proof Checking
* Effective management of Engineering Professionals &Business Development, Team Building and mentoring.
* Design Approvals &Project Management, Business Plan, Start-up,Pre-commissioning, Hand-Over.

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**Software Expertise-**

* Sap 2000, Etabs, Staad Pro, Tekla, Revit, Tedds, Scia Engineer Etc. BIM IMPLEMENTATION WITH TOOLS LIKE REVIT & TEKLA. MS Project for Project Management**.**

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**Codes & Standard**

* Full delegation of all pertinent codes including Indian Codes and International Codes like ACI-318, IBC, UBC, ASCE-7, AISC, Euro, and their Special Seismic and wind provisions.

**PROFESSIONAL QUALIFICATIONS**

* BACHLORS IN STRUCTURAL ENGINEERING, NAGPUR UNIVERSITY,1998
* Masters in Structural Engineering 2023
* MASTERS IN BUISSNESS MANGEMENT (PROJECT MANGEMENT & OPERATIONS),2019
* BACHLORS IN ARCHITECTURE (THE INDIAN INSTITUTE OF ARCHITECTS) 2023

**PROFESSIONAL MEMBERSHIPS**

* FELLOW INSTITUTION OF ENGINEERS INDIA, P.E SAUDI ARABIA
* CHARTERED ENGINEER
* FELLOW INSTITUTION OF VALUERS INDIA
* REGISTERED INCOME TAX VALUER GOVT. OF INDIA

**Sidvin Core-Tech(I) Pvt Ltd Banglore(2023 to Current)**

* **Project Uzbakistan Petrochemical,Oil & Gas UZBAKISTAN PETROCHEMICAL MTO Project (Scope-DESIGN REVIEW ,VETTING & VALUE ADDITION)**
* **Designation Chartered Structural Consultant**
* **Key Performance Area : Vetting, Peer Review,PMC,Design Improvement,Value Addition**
* **Team Size : 50+**
* **MAJOR STRUCTURES-Pipe Racks,PEB,RCC Building, Industrial Structures**

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**ASHITA ENGINEERING PROJECTS PVT LTD (JAN 2017-2023)**

**DESIGNATION-CTO/TEAM LEAD (Consultant)**

* **On panel of Nabard,Indian Oil,Nayara Energy,HPCL,NABARD,& several MNC**
* **Key Performance Area-** PMC,Design, Analysis Structural Audit & Project Management, Team Building, Structural Audit for , Oil& Gas ,Substation & Transmission Lines , , bridges, infrastructure projects,pre-engineered buildings& Precast Structures,High rise buildings,water supply Projects
* 50+ Industrial Sheds spanning till 50 m for Indian Oil, HPCL, and Essar. Bharat Petroleum, Oil gas related structures as storage tanks, Blast resistant Buildings, pipe racks, oxygen pipeline, pipe-line supporting structures
* Managed Execution & Design of structures using Etabs, Scia Engineer, Tekla Structures, Revit,300 Petrol Filling Stations for Essar, Indian Oil, and HPCL for UP, Gujrat, Andhra, Pradesh, and Bihar.
* Water SUPPLY PROJECTS under UP Jal Skati Mission
* Silo Project for NCML Ltd Client Food Corporation of India.
* **Vedanta Balco at Korba –**
* Project Manager Infra (3rd Party Consultant) for Expansion Project
* Design and Project Managements Of RCC & Steel Structures as green field project, Green Buildings for Platinum LEED Certification, Glass Buildings,Township,Bridges,Industrial Structures,PEB,Railways ,Plant Expansion etc
* Design review and Project Mnagement of 100 beded COVID Hospital, Parking Structures, Green Roads, Equipment Foundations etc
* PEB BUILDING 40 M SPAN COLUMNLESS, SPORTS STADIUM, FOR BSF IN J&K (EARTHQUAKE ZONE-5).
* Bunkers, Silo, Pipe Racks, Blast Resistant Buildings-Walls, Bottling Plants, Pipelines, Substations, Transformer Foundation, Foot Over Bridges, Culvers, retaining Walls, Pile works, Oil Storage Steel Tanks.
* G+5 auditorium with a span of 75 ft column less,Basement+Ground+14 floors Studio Apartments at Lucknow.
* 100+Row Houses, Multiplexes, Commercial Buildings, Apartment buildings, Hospitals up to 15floors in and around Lucknow.
* **Blast Resistant SHEAR Walls Buildings** for Indian Oil Corporation using Time History Analysis on Scia & SAP-2000.
* **Group housing projects &Design; PMC; Structural Audit& Valuation of 30 Floor with 7 basement floor Five star Hotel Achacosa Municipality Turkey ( The building Rises on low land adjoining sea shore )**
* **Conducted Structural Audit for Nabard’s Officers Flats (G+12) Building at Hazratganj Lucknow,Individual Bungalows at Sitapur Road Lucknow**

**2015- 2017**

* **Team Leader -JEC Riyadh Kingdom Of Saudi Arabia. Team Size 50+**
* **Key Performance Area:** Design, Structural Audit, Project Management, business Plan, budgeting.
* **Projects**:**,**
* **Dairy farm project in Sudan (4000 MT) with pre-engineered buildings and precast slabs,20 Vila Project,. Mobile Communication Towers in Riyadh, Arab Open University, High rise buildings**
* **Water Disposal, Drainage System, and Recycling Planning. WaterReservoirs, Oil& Gas Related projects etc.**
* **Workshop building structural design and industrial staircase design for Almarai Plant. (Steel Structures)**
* **Tabuk Airport Expansion Projects for the ministry of Civil Aviation KSA from conceptualization to finalization.**
* **Fire station, Mosque at Jubail for Royal Commission, G+10 commercial Complex at Riyadh.**
* **G+40 with 5 Basement ,Five Star Hotel cum Apartments near Alraji Mosque exit 15 Riyadh.**
* **Entire planning for road network and associated bridges for Arab University.**

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**Projects in Nigeria (TAPS South Africa -**2012-2015

* **Project Head PHCN/NIPP**
* **Substation &Transmission Lines)**
* **Team Size 30+**
* **Project Value-More than USD 100 Milllion**

**Key Performance Area**

* Design, Analysis, Structural Audit, approval of Design documents, Construction Supervision Client-Contractor Meetings, Project management for 330 /132 kV Substation and Transmission Lines, Staff Colonies, Industrial Structures, Ware Houses, Equipment Foundations, Drainage- Network, Road Network, Culverts, Minor bridges, retaining walls Precast slabs for cable trenches, Water Supply and drainage systems, etc.

**Projects Handed Over:** Lot 15 – Design, structural Audit, Project Management of EPC of 330/132/33kV Substation at Gwagwalada, Nigeria (Project site area 15 square Kms)Lot22-2 Design, structural Audit, Project Management of 330kV transmission Lines (220Kms) -674 Towers from Ajakota to Juma Rock.

* Lot 22,Lot 17 -1 330/132/33kV Design, structural Audit, Project Management of 330kV Substations & Transmission Lines at Ajakutta and Lokuja(20sq Kms)., -330/132/ at Lagos, Porthartcore.
* Oil & Gas Related Projects in Nigeria as oil storage tanks, Heavy Fabrication works, Machine Foundations, etc
* **Design, structural Audit G+22 Building for Police commission with 4 level Parking and other amenities, Townships & High rise Buildings (Multilevel Car parks), Communication towers(GBT&RBT), road network,Minor bridges, and culverts**.

**Key Achievements: Concluded 330kV transmission Lines Project from Ajakuta** To Juma Rock(Total 674 Towers-220 Kms).

* Concluded 330/132/33kV Substation Project (Start To Finish) at Gwgwalada Nigeria within Record Time of 12months.
* Completed 132kV Bay Extension projects Kukawa.
* Design improvements and value addition, as per site conditions, implementation of quality policy as per RFP.
* Resolved disputes between contractor and clients for smooth functioning and fast progress including sorting out design issues ACTING AS AN ARBITRATOR FOR FASTRACK DELIVERY OF PROJECTS.

**Value & Budget Housing Ltd. Bangalore (Real Estate Developers)-** **2011 To l 2012**

**\*Highrise Buildings, Luxury Vilas, Real Estate, Steel Structures)**

**Designation: Department Head Structures&Projects (HOD)-Team Size 60+**

* **About the company: The company is into the construction of Affordable Monolithic Cast-In-Situ Shear Wall Buildings. The group has a nationwide presence with townships in Bangalore, Chennai, and Mumbai.**
* **Key Performance Area: Design, Analysis, Structural Audit, Value addition Onsite Construction supervision, Project management, Approving and checking/structural audit design documents for Affordable Shear Wall Housing Structures, High Rise Buildings, Townships, Schools and clubhouse, substation and transmission lines, etc using Western Forms, Front end Engineering and Design(FEED), Quality Assurance and Controls, Geotechnical and Foundation Solutions for critical soil conditions. Water Supply Structures for various locations.**
* **Detail Structural Analysis of High rise Buildings(G+12), Base isolation, dynamic analysis**
* **Handing multi-location Townships projects at Bangalore, Chennai, Mumbai, NCR, and Rajasthan.**
* **OHSR, GLSR, UGSR, Retaining Walls,Roads and culvers and small span bridges in the townships.**
* **Multilevel Car Parks, Steel Structures, substations, Transmission Line,Structural Audit and review of Outsourced Work.**
* **Site Coordination, Effective management Of Engineering Professionals & Project Management, for Timely construction as scheduled, construction supervision.**

**Key Achievements: Played a pivotal role in team building and revamping of structural department and site strategies to expedite the design process and execution at site.**

* **Construction Supervision, Quality Assurance, and Control as per the code provisions/RFP.**

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**Sharq –Eastern Petrochemical Company (A Sabic Affiliate) (Oil &Gas) 2010 -2011(18 Moths)**

* **Oil & Gas /Petrochemicals Industry. Saudi Arabia.**
* **Designation**: Lead Structural /Civil Engineering Consultant. Team Size 50+
* **Key Performance Area:** Design, Analysis of RCC and Steel Structures or substations & transmission lines &Review, Construction Supervision, Project management of RCC, steel structures, Ware Houses, Pipe Racks, Oxygen Pipelines, Channels, Water Supply &Drainage- Network etc.
* **Extension of MMD Wash down In MMD Building (Steel Structure), Warehouse Project, Equipment Foundations.**
* Conducted study and structural Audit for oxygen pipelines passing under heavy traffic in Sharq Plant. Recommended the safety measures and possible hazards and steps to be undertaken for smooth functioning as per **API1102.**
* Structural design, supervision, billing, Quality Control, **Construction Supervision, Quality Assurance, and Control as per the code provisions and RFP.** FEED and case studies for upcoming projects, Approval of design documents, structural audit, quality control.
* Project management of ongoing day to day Equipment Foundation Design, Water Supply and distribution, Sewage Disposal & civil works in the utility department.

**Key Achievements:** Completed all Projects as scheduled, suggested design improvements for adaptability as site conditions. Effective construction supervision, quality control for economical and safe structures.

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**Gerdau Steels Ltd, Bangalore (Steel Manufacturing Industry)-2007-2010**

* **Designation*: Head Infrastructures Team Size 50+***
* **Engineer of Record for USD$ 150 Million Expansion Project of Kalyani-Gerdau Steels Ltd**.
* **Key Performance Area:** Design, Analysis of R.C.C and Steel Structures &Review, Construction Supervision, Project management, quality management for RCC, steel structures, Industrial Structures, ware Houses, Township, Club, Super Market, Water Distribution Pipeline, Channels substations and transmission lines etc for USD 150 Million Expansion Project.
* Project Planning, structural design, architectural design, and scheduling for Deadlines for various activities of ongoing projects as Power Plant Structures (Substations), Rolling Mill Area, and Sinter Plant Area, Ware Houses, Row Houses, Plant, WTP, STP.Ware Houses ,25 Km Water Scheme
* Supervised the repair work of existing reservoirs, roads within the plant premises. Design and Construction of temporary helipad, 33 kV substations with in plant area.
* **Key Achievements: Authored multiple projects as Architectural and Earthquake resistant structural design for 200 Acre Town Ship which includes Bachelors' Hostel, Club House, Bungalows', Vilas, Architectural &Structural Design of Project Office, Central Lab Building(G+4), Silos, Steel Storage Tanks, Bridges, culverts, and road network.**

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**Tokyo Engineering Consultants Japan. (PMC/EPC/ED&D) 2005– 2007**

* ***Lead Structural Engineer: Team Size 100+ PROJECT COST* about 315 million EUR**
* ***Key Performance Area****:* **Design, Analysis & Review, Construction Supervision, Project management of 3000 KMs Water scheme with34 Bridges& 78 reservoirs up to 20 MLD, Training Centers, Staff Housing Colonies etc.**
* *Effective management Of Engineering Personal, Project management etc, quality management & Valuation of properties.*
* Held multiple responsibilities for engineering, project management on USD 350 Million KWA Project for **Kerala Water Authority.** Was entrusted with the work of **Design of Service Reservoir (GLSR and OHSR), bridges, and water supply project-related industrial structures**.
* **Key Achievement**: Managed the project through the design phase to execution and finalization.

**Corners & Edges Lucknow- (Team Size 15+) 1998-2005**

* Structural design for retail outlets& Oil Storage Tanks, PEB, Warehouses, Bottling Plants, in UP & Uttaranchal rural areas for **HINDUSTAN PETROLEUM CORPORATION LTD.**
* Structural design for Mini stadium & drill Sheds, Watchtowers UP Region for **Border Security Force(B.S.F)Gorakhpur.**
* Structural design for pressed metal sheet Industrial unit for **M/S Gloria Engineering Pvt. Ltd.**
* **Designed Towers & Foundations for various Mobile operators in the UP/Uttaranchal area.**
* Structural design & detailing for 2 no’s overhead tank capacity1800KL at Mundra & Neemsarai (2100KL) Allahabad (UP) for **ADA Allahabad**.
* **Architectural planning &structural designing for 6 story commercial complex K.L PLAZA for M/S K.L&SONS PVT LTD LUCKNOW, residential apartments, group Housing Project at Gomti Nagar &Town Ship at Janki Puram Lucknow for M/S K.L Sons Pvt Ltd Lucknow, 5 story school Building, Row housing scheme for Senani Builders Pvt Ltd.**
* **Structural design for public buildings as schools, hospitals, old age homes, technical institutes, etc for several NGOs at Aligarh, Manipuri, Bareilly, Lucknow.**
* **Quantity Surveying for Building Projects, Valuation of Properties and Real Estate for Several reputed Banks and Indiviuals/Industries.**

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* **Languages Known:** Excellent written and communication skills in English, Hindi and Marathi.

**Notice Period-60 days, Expected CTC-Negotiable**

**EXECUTIVE OVERVIEW**

* **Total Experience:** 25years. International Experience (Africa, Middle East, TEC Japan KWA Project)
* **Attended workshop for Design of High rise Building (100+ Floors) by Midas India (2014) on Midas Gen&Etabs.**
* **Rich experience &expertise in design and execution of projects related to High Rise Buildings Oil & Gas substation, transmission line and industrial structures,**
* Structural Design, Performance Based Earthquake Analysis BIM, Quality, Foundation, Project Management, Supervision, MTO
* Total solution for affordable housing& Water Supply, Substation and Transmission Line sector -Business Plan, Conceptualization to finalization and handover.
* Commissioning, Follow up & Handover, Quality Management of Deliverables

**ADDENDUM**

**Exposure Sectors & Mega Projects Executed**

* **Low, High-rise Buildings Township, hotels, in Nigeria, Saudi Arabia, India (Covered more than 2500 Acres)**
* **Substation & Transmission Lines Projects in Africa &Middle East (DESIGN &PMC): From Scratch to Handover**
* **Water Supply Projects (World Bank &Japan Bank Of International Cooperation (JBIC) Assisted. Kerala3000 KMS Water Supply Project in Kerala India. -TOKYO ENGINEERING CONSULTANTS JAPAN comprising of 34 Bridges, Culverts, ROB, VUP, CUP, Major Bridge, T-beam Bridges & 78 Overhead, Underground reservoirs,**
* **Tabuk Airport SAUDI ARABIA -Design & PMC.**
* .**Pre-engineered Steel Buildings(Industrial Sheds) for Dairy Farm Project in Sudan STP, WTP retaining walls roads etc.**
* **Oil and Gas Related Structures for Sabic Group Company in Saudi Arabia, HPCL, Indian Oil, Petro chemical project Bukhara Region UZBEKISTAN(Design & PMC)**
* **Industrial Structures for Kalyani Gerdau Steel Plant**
* Steel plant-related structures as Silos, Oil & Gas Steel Storage tanks, Water Recycling, Conservation and Distribution
* Mobile Communication Towers (GBT&RBT), Defence forces structures, Steel structures,
* Preparing structural calculation reports based on Indian as well as International Standard codal provisions for Gravity, Wind & Earthquake.
* Inspection, proof checking, and peer review of existing structures and retrofitting methods for the same.
* Led large teams in preparing and finalizing structural specifications, construction documents, checking shop drawings, peer review and value engineering, responding to RFI's &value addition, Business development and plan.
* **Well versed with the latest design and execution technologies for the Affordable High Rise Housing Sector with the Aluminum formwork Technologies. Expertise to deliver up to 5000 units in less than a year with a cost saving of around 20% than normal constructions producing a complete structural design and construction package.**