

## Er. SONALI .S. NASIKKAR



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**Career Objective:** To be successful in all ventures, personal or professional that I Undertake.

### **Career highlight:**

Having a combined work experience of about 19+ years in the field of Civil Engineering in reputed firms and Education Institute. Have gained varied experience in Civil Engineering software, Teaching field (Engineering & Management), Supervision, Site Visits& monitoring, GIS Software, Project Management, **Quality operations with Six Sigma and leans methodologies and ISO (QMS,EMS,OHSMS)**

- Competent, diligent & result oriented professional with varied experience in the field of **Civil Engineering**
- Possess extensive experience in **Civil Engineering software, ERP, Teaching field, Supervision, Site Inspections, Audits, Trainings, GIS Software, Project Management, Quality Operations with Six Sigma and lean methodologies and ISO 9001:2008 & 2015 -QMS.**
- Core strengths in Planning, designing and implementing quality systems and procedures to ensure strict compliance with stringency of international quality parameters.
- Inspecting & testing Incoming materials, evaluating the data to show how the material might differ from the existing standards of quality & reliability. Material acceptance/rejection as per criteria, SAP -MM/QM
- QMS implementation, monitoring, evaluation and presenting it to top management as a MR (Management Representative) of organization, weekly & Monthly Quality Reports. Conversant with Quality Management System (ISO 9001), IRCA certified Lead QMS Auditor.
- Developing monitoring the implementation of company's Quality Manual, Project Quality Plan, QA/QC systems.
- **Risk management** (ISO 31000)
- Adherence to Quality & Safety norms across the entire course of Project execution.
- Review & approve supplier material requests and subcontract documents.
- Schedule & Conduct internal QA/QC audits &Subcontractors audits for system compliance.
- Prepare & submit QA/QC deliverables like PQP/GQP, PSQP,QCP & ITP in line with scope & activities.
- Knowledge management of organization, MIS, SharePoint IPMS
- Conducting technical trainings for QMS at sites and regional offices for continual improvements of team members.

### **Core Competencies**

Professional Life Coach, Lead Auditor (IRCA) ,Quality Control, Project Management, Estimation for construction building process, Process Management, Standards & Quality Assurance, Site Management, People Management, Change management, International client management,

Contractor Administration, Reporting & Documentation, Health & Safety, Crisis management, Operational Excellence & Trainings

## **PROFESSIONAL EXPERIENCE AND ACCOMPLISHMENT**

### **JMC PROJECTS (INDIA) LTD.- HEAD OFFICE-MUMBAI-JUL'2019- NOV'2020**

Designation- **ASSISTANT GENERAL MANAGER (QA/QC) & MR**

- Handling **Quality operations** at Mumbai Head office of organization which includes charge of **71** no. of projects having range of building and infra projects. Handling quality teams of Six Regional offices for monitoring and control of quality operations on sites.(NIO, SIO,EIO,WIO, Urban Infra, Water)
- As a MR (**Management representative**) of organization responsible for international standards implementation (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018).
- Representing system in External (TUV SUD) certification audits.
- Coordinating with all **EMS, OHSMS and QMS** teams for Gap Analysis, streamlining operations.
- **DMS** (Document management system & online reporting), Monitoring and reporting to top management.
- Conducting internal **audits**, Site visits, Auditor's Trainings, Auditor's evaluation.
- **Customer complaints** -Root cause Analysis (RCA) of customer complaints/NCR and CCAPA, ensuring closure of NCR in time limit, customer feedback analysis.
- **Internal non conformances**- Monitoring, recordings, analysis, reporting to top management. Approving corrections and corrective actions to site non conformances /defects.
- Monitoring **cost of poor quality** of sites ,reporting to top management ,troubleshooting
- **Quality ratings** of projects on monthly basis, Analysis, reporting to top management
- **MIS**- monthly MIS reports review and finalization (SAP-BI-Dashboards), reporting to top management at HO.
- **Technical support** to BD dept., Tender dept.(PQP,ITP),other dept. as and when required, trouble shooting, client meetings as and when required-bidding, pre, post stages.
- Design of operations for QC/QA, Overall Audit management
- **Risk Management**-Risk identification, assessment, evaluations and analysis.
- **Knowledge management** of the system- Chief of KM team – Managing internal and external knowledge management of organization.
- **Interface** –with contracts, design, procurement, stores, IT,HR
- Heading organization's **SAP-QM** for overall RO and Sites-Business owner
- Heading IPMS of organization –Process owner
- Chairperson – ICC(internal complaints committee);POSH( Prevention of Sexual harassment at workplace)-Year2020 at HO
- **Digitalization of operations**- Development of applications ,BI, Dashboards, Customization of softwares for ease of operations and mistake proofing (Pokayoke)
- Working on Robotic process automation (RPA) during covid.

## **HINDUSTAN CONSTRUCTION COMPANY LTD (HCC) - MUMBAI- DEC'2016- JUL'2019**

Designation- 1. SENIOR MANAGER-QMS- at Head Office- Vikhroli

### **2. SENIOR MANAGER QA- at Mumbai Metro-Line 3/UGC-02- CST**

Sr. QAM- As a key person of India's first complete underground metro rail project -**Mumbai Metro line 3 -UGC 02 project**( Qualified and approved by GC MAPLE and MMRCL) taken care of Quality Assurance operations at Mumbai Metro Line-3 project locations- CST office, CST twin tunnels and station, Kalbadevi, Grant road, Girgaon stations, Casting yard at Wadala, steel yard at WTC , Panvel workshop for quality assurance .

- **Approving authority** of project as per contractual terms.
- **Management representative/MR** -(IMS ) for Project- designing and implementing system at site
- **Heading dept of Trainings**- conducted /organized trainings as per contractual compliance of MMRCL. Achieving Improvement/Kaizen targets.
- Gap Analysis of the system –for head office as well as all India projects location( on HO role)
- **Implementation** of International standards for Quality, Environment, Safety and methodologies of Lean Construction, Six Sigma for cost, time and quality.
- **Inspection** for compliance, issuing nonconformance, preparing reports, getting corrective actions done, root cause analysis.co ordination with MMRCL-client visits/inspections
- **Client management**- as a key person of project, coordination with Client and Engg. (**MMRC** and **GC Maple**) for overall development of project and conformance to contractual requirements.
- **Audit management**- conducting Internal audits at regular interval for system compliance, reporting to client MMRCL, presenting system to Client and GC for their scheduled audit for contractual compliance, Presenting IMS of project to certification body for external audits (TUV)- reporting to client and Head office.
- **Material management**- Vendor approval in co ordination with GC and MMRCL, Material inspections, testing of materials, Materials approvals, SAP control
- **RMC checks**- two batching plants (Wadala and CST), Quality testing, troubleshooting
- Special Testing-Conducted Radar, Infrared, NDT at locations as per requirements to prove compliance.

#### **At Head Office- Vikhroli handled following responsibilities-**

**As a Senior Manager-QMS** handled 50 over all Mega projects (India, Nepal and Bhutan) of organization which included active involvement in 25 projects of Infra (including Hydro, nuclear, Metro projects) costing- 400Cr to 3000Cr (Total portfolio handled=**24,000CR**)

- Conducting **trainings** of Top management, senior management, Internal Auditors, Projects Quality managers, all dept at HO
- Conducting regular **Internal Audits** at HO and all India project sites for ISO and construction quality.
- Coordinating Design for construction safety.
- Maintaining system for **changes and Risk management**
- Conducting Audits at 50 projects across India (worked in drastic climatic conditions from minus 4 to 56 degrees)

- This includes QMS, EMS, SMS audits as well as construction audits including RMC checks.
- Design of method statements, ITP, PQP etc. for projects.
- Training of all departments for overall improvements & problem addressal.

**BRITISH STANDARDS INSTITUTION (BSI), INDIA – MUMBAI- JUNE’2014- DEC’2016**

Designation-**EXTERNAL RESOURCE** -Auditor & Technical expert

Completed nearly 550 (QMS, EMS, OHSAS) audit man-days with BSI for Construction Industry (EPC, designers, builders), Educational institutes and other clients.

Qualified for codes- T03, T69

International Quality trainer –BCS group, UK and The Knowledge Academy, UK

- Designed course material for different Quality and Six Sigma courses
- Conducted training

Management consultancy provider-**Anova** –handling national as well as International clients

Independent Quality Consultant and Trainer For Six Sigma, And Quality Management System (ISO 9001:2008 and 2015)

(Overall tenure with BSI as an external resource is -2010 to 2016 while working full time with other employers with their prior permissions)

**PROTHIOUS ENGINEERING SERVICES PVT.LTD. (MNC) - NASIK JULY’2013- JUN’2014**

Designation: **QA ADMINISTRATOR**

- Administration of Quality operations of all India branches (Mumbai, Thane, Noida, Nasik, Chennai) of company
- Six Sigma Implementation for quality improvements, time and cost savings
- Quality audits as per ISO 9001:2008
- Analysis of the system as per set standards, reporting to top management (USA office)
- While working here also served as Guest Lecturer, Examiner, Paper setter for Symbiosis Institute of operations management-SIOM, and as an auditor with BSI with prior permission from employer.

**DUROCRETE ENGINEERING SERVICES PVT.LTD. -NASIK APR’12-JUN’13**

Designation: **TECHNO COMMERTIAL MANAGER.** (Branch Head)

- Handled all technical operations of construction material testing laboratory at Nasik
- Budgeted sales and collection targets.
- Handling a Marketing team of executives, operations and Technicians –total team size 35
- All commercial deal finalization with client.

- Client management-Handling clientele of more than 500 builders and construction companies like Shapoorji & Palonji, Apollo, Harsh constructions, HAL, MES, DGMAP, Rajhans, Wasans, Nayantara, Samrat,Karda,JKumar,Amit builders,Paranjpe etc.
- Site visits for Quality Control and Assurance of projects
- Monitoring and controlling all operations for Quality
- System-preparing complete system for ISO 17025(NABL)
- Introducing six sigma and lean sigma for continuous improvements in operations.
- Reporting to Head office at Pune
- Leading ERP Veena
- With prior permission from employer done Audits of construction industry with BSI.

**INDEPENDENT QUALITY CONSULTANT AND TRAINER, NASIK - NOV'09 – MAR'11**

- Spearheading efforts as a quality consultant and trainer for Six Sigma, and Quality management system (ISO 9001:2008)
- Understanding of all aspects governing operational activities and up to date knowledge of latest technological advancements, regulations/ guidelines and statutory compliances in the industry.
- Conducting regular inspection of workmanship standards & ensures the construction meets the Exact requirements of customers
- Establish high quality service standards and ensured strict adherence to quality systems/procedures in conformance to principal's set of directions.
- Analyzing customer complaints, root cause analysis of problem, initiating & implementing corrective actions & interacting with concerned personnel for implementation for future construction

**PROTHIOUS ENGINEERING SERVICES, (MNC) - NASIK MAR'08-NOV'09**

**Designation:** QA Administrator

- Handled total seven projects for six-sigma operation and achieved 2.6 Six-Sigma level from first Sigma level successfully for Nasik branch.
- Implemented these operations to other branches. This is a combination of lean sigma and six sigma tools.
- Received recommendation and sponsorship from Company for Six Sigma Master Black belt certification from IIBM, India.
- Quality operations- Monitoring, analysis, reporting to top management for further solutions /trouble shootings with suggestions
- Trainings of teams
- BIM

**ANANT ACCESS (MNC) - NASIK - AUG'05- FEB'08**

**Designation:** Divisional Head, Civil OCT'06- FEB'08

- Handled steel detailing projects from the USA and Australia.
- International client management
- New order acquisition, JV partners.
- Operations management for successful project completions

- Contract management and payments

**Designation:** Project Manager                      AUG'05- OCT'06

Handled projects in India as well as abroad for timely completion, Quality control and assurance.

**KRYON TECHNOLOGIES, NASIK**

**SEPT'03 – JUL'05**

**Designation:** Project Manager                      MAY'04- JUL'05

Handled GIS project of Nasik Municipal corporation –first govt. project of India

Handled Navi Mumbai Digitisation project with Rolta as their second party

**Designation:** GIS Engineer                      SEPT'03-MAY'04

**K. K. WAGH COLLEGE OF ENGINEERING - NASIK**

**OCT'02-MAY'03**

**Designation:** Lecturer in Dept of Civil Engineering

- Conducting lectures on elements of civil engineering, Survey I ,Survey II, GIS ,transportation engineering. Guiding students
- Conducting practical of Surveying I and II, checking Term work of students

**Achievements:**

Represented college at 'Map India-2000' in New Delhi, one of Largest International Events of GIS in ASIA

**CHAUDHARI BHORE CONS. ENGINEERING -**

**NASIK - JUN'99 -JUL'01**

**Designation:** Office Engineer

Estimations(Staad Est), Designs of Structure using advance software like- STAAD pro -2000 and Struwin.

**EDUCATIONAL & PROFESSIONAL CREDENTIALS**

- M.B.A (EHS)- 2019/appeared
- M.B.A- Operations Management, Jun'09  
IGNO University, Delhi
- Certified IRCA Lead Auditor/LA –QMS-ISO 9001: 2008, Nov'10  
TUV-SUD.-(TUVSA/2010/LAQ/00025/002)  
Upgraded –QMS-ISO 9001:2015- BSI LMS and TUV SUD
- Certified IRCA Lead Auditor-OHSMS- ISO 45001:2018- TUV SUD-Oct'2020
- EMS-ISO 14001:2018- TUV SUD- Nov'2020
- CSSMBB (Certified Six Sigma Master Black Belt) A09SE224, Mar'10  
IIBM, India
- Six Sigma Master Implementer status (ID-2524706), Dec'10  
Expert rating Inc. USA
- PGDIM, 2009

- IGNOU
- CSSBB (Certified Six Sigma Black Belt), Mar'08  
Expert ratings Inc. USA (1507191)  
Certified Lean Sigma Black Belt-Edushore, USA
- Certified Project Management Professional-(1507193) , Jul'08  
Expert rating Inc. USA
- PGDOM, 2005  
IGNOU
- **C.E. (Chartered Engineer)-AM093170-8 (I.E.I.), May'05-Intitute of Engineers,India**
- DIM, 2004  
IGNOU
- **MAP** GIS (Geographical Information System), 2001  
Pentasoftware Technologies, Pune
- **B.E Civil** Engineering MAY 1999  
K.K.Wagh College Of Engineering, Pune University.

#### **Other Certifications-**

- Risk Management-ISO 31000
- Risk management in Construction
- Metrorail-Technology-Practices and issues-Web conference-11 to 15 May 2020 by ICI,IEI
- Change management
- Crisis management
- Knowledge management
- Professional Life Coach
- POSH
- First Aid & CPR
- Professional Life Coach
- Train the Trainer
- Business Continuity Management System-BCMS- ISO 22301
- Information security management system-ISMS-ISO 27001
- Awareness session-ISO 13485:2016
- Energy management system-ISO 50001(In progress)

#### **Computer Proficiency**

- Project Management Software :Primavera (P3,P6), MS Project
- GIS Software's :Micro station 95, AutoCAD Map R2, PcArc Info, Arc View
- Civil Engineering Software's :AutoCAD 14, Staad Pro 2000, Staad Estimate, Auto civil, Strudwin
- Architectural Software's :Auto Architect, virtual decorator, 3D-Home, Floor Plan 3D
- Database Management :Oracle-8i, MS Access  
:Knowledge of Detailer training series (DTS)
- Six Sigma :Pareto-pro and Sigma-xl, Minitab
- Other- Expert in MS-Office,  
SAP (HANA), BIM

#### **Research Work Undertaken**

- Project management in MERI (Nasik)

#### **Conference attended**

- International Conference conducted by Design Data Inc, USA at Mumbai
- Attended International conference of GIS at New Delhi as representative of KK Wagh College of Engineering.
- International conference of Forensic Civil Engineering- 2016.

#### **Professional membership**

- A.M.I.E. (INDIA)
- American Concrete Institute(ACI-India chapter)
- QCI-Quality council of India
- Member of GIS development and ESRI campus
- CESA-Civil Engg. Students Association
- Member- Advisory Board, Engineering forum, Toronto [Canada]
- (<http://www.engineering.com/ProfessionalAdvisoryBoard/tabid/4412/Default.aspx>)
- Member of ACCE -Association of consulting civil engineers, India
- Member of Architects and Engineers Association
- Member of Institute of Engineers, India.

#### **Accolades**

- Achieved highest marks in two subjects of final year B.E. Civil i.e. Engineering Geology & Transportation Engineering for yr 1999 batch
- worked as Co-Editor of college magazine "Build-98"
- Associated with Sky Watching Club of Nasik.
- Received sponsorship for Six Sigma Master Black Belt certification from Prothious Engineering services on the basis of five successful experiments carried out.
- Worked as an Examiner for National Quality convention of India- "Qimpro-2013", "Qimpro-2015", 2016.
- Technical articles, interview published at National level
- Attempted a World record at Mumbai Metro Project
- Special coverage by Metro rail news- As -The Woman in Metro project.
- Felicitation by ICI Chairman – for first lady civil engineer worked in underground metro railway project as QA Incharge.

**Languages known:** English, Hindi, Gujrati & Marathi

Passport: Available

References: will be provided on request

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