

DHIREN BARHATE

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PROFESSIONAL SUMMARY

Site Engineer with hands-on experience in supervising day-to-day construction activities, site execution, safety compliance, and quality control for residential and infrastructure projects. Strong ability to coordinate with engineers, subcontractors, vendors, and workforce to ensure execution as per approved drawings, specifications, schedules, and safety standards. Experienced in manpower planning, progress tracking, and maintaining site records such as DPRs, inspection reports, and material approvals. Holds an MSc in Construction Management with solid site-level practical exposure.

SKILLS

Site Supervision | Construction Execution | Safety Management (PPE, Toolbox Talks) | Quality Control | Drawing Reading | DPR & Measurement Records | Manpower Management | Subcontractor Coordination | Material Management | Work Progress Tracking | Health & Safety Compliance | Residential & Infrastructure Projects | AutoCAD | MS Excel | MS Word | MS PowerPoint | BIM Collaborate.

PROFESSIONAL EXPERIENCE

Site Engineer | Mahalaxmi Builders and Developers

Jalgaon, India

July 2021 – December 2021

Site Supervision & Execution

- Supervised day-to-day construction activities including groundwork, drainage, and structural works in accordance with approved drawings and specifications.
- Planned and organized daily site activities based on project schedules, manpower availability, and material supply.
- Maintained daily progress records, measurements, and site reports (DPRs) to track execution and productivity.

Safety Management

- Supported safe working practices during excavation, work at height, and material handling activities.
- Reported incidents, near misses, and safety observations and assisted in maintaining safety records.

Quality Control

- Maintained quality-related documentation including inspection checklists and material records.
- Coordinated with subcontractors and vendors for work execution and timely material availability.

Civil Engineering & Sustainable Infrastructure Insight (CPD) | Curtins

United Kingdom

July 2023 – September 2023

- Supported engineering teams with construction planning, material research, and compliance studies.
- Gained exposure to BIM workflows, construction regulations (CDM), and quality assurance processes.
- Assisted in sustainability-focused studies including drainage systems, quality standards, and safety principles relevant to site execution.

EDUCATION

MSc in Advanced Engineering (Construction Management)

Birmingham, United Kingdom

University of Birmingham | 2022 – 2023

Bachelor of Engineering – Civil Engineering

Pune, India

Savitribai Phule Pune University | 2018 – 2021

Diploma in Civil Engineering

Jalgaon, India

Maharashtra State Board of Technical Education | 2015 – 2018

PROJECTS:

Restoration of Bridges Impacted by Flood

- Conducted a comprehensive analysis of bridgeworks, evaluating projected flood types across 95% of the geographical area to inform Methodologies and recommendations.
- Identified Riprap as the preferred approach, projecting a 30% lower overall running cost than a Geosynthetic Filter foundation, leading to a 75% reduction in pier collapse incidents attributed to scouring. (Flood Risk Assessment)

Sustainable Brick

- Developed an 80% sustainable brick manufacturing process by effectively utilizing wastewater sludge, producing bricks with 20% higher compressive strength compared to conventional clay bricks. Worked alongside 4 team members to ensure project success.
- Achieved 40% lower production costs than average market rates through sustainable materials and process optimization. Design of

Water Treatment Plant

- Designed a water management plant serving 6,500 villagers, ensuring access to clean drinking water for the entire population.
- Mentoring with the village council to restructure the water distribution network, expanding access to clean water for 85% of households.
- Utilizing computer-aided design for precise structural analysis for column load calculation with up to 95% precision.

CERTIFICATIONS & TRAINING

- PMP – Project Management Professional
- Level 1 Health & Safety in Construction Environment
- Level 2 Asbestos Awareness
- Level 2 Utility Avoidance & Buried Services
- Level 2 Green Ambassador – Construction Industry