



## DHIRENDRA AHIRE

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### Key Skills

Construction Management/  
Consultancy

Project Management

Techno-commercial Operations

SewerCAD/ StormCAD/ XPDrainage

Water/Wastewater Management

Plant Designing & Planning

Raw water/Sewer Pumping Stations

Site Operations/ Management

Budgeting/ Cost Control

Team/ Vendor Management

### Education

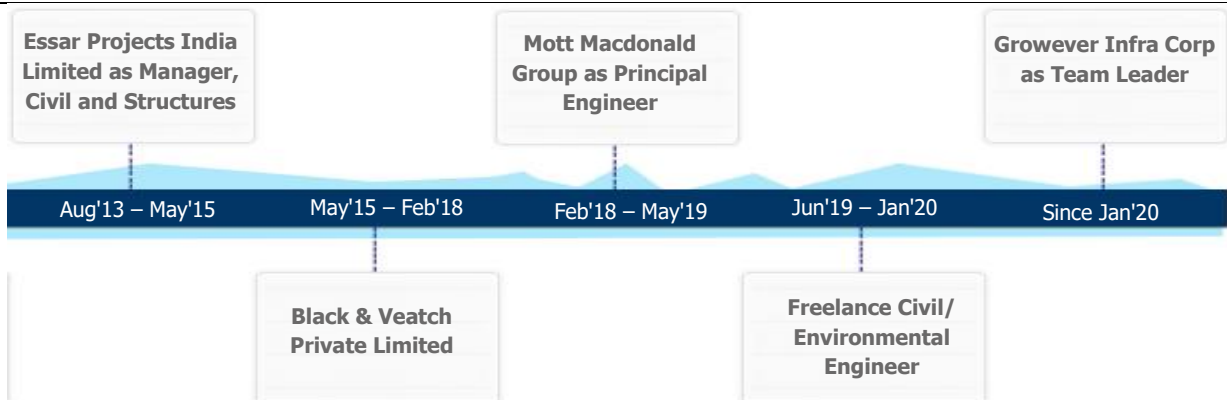
- 2006: Master in Environmental Engineering from Maharaja Sayajirao Gaikwad University, Baroda
- 2003: Bachelor in Civil Engineering from North Maharashtra University, Jalgaon, Maharashtra

Expertise in **infrastructure development work** with hands-on experience in **Consultancy, Project Management**; fulfilling challenging assignments in **detailed engineering with team of mid-level team of multidisciplinary engineers**; preferably in Metropolitan Cities | Vadodara

### Profile Summary

- A result-oriented professional **with 15 years** of extensive experience in domestic and international engineering, EPC and consultancy projects across Water and oil & Gas industry; Life membership of **Indian Water Works Association**
- Proven excellence in **planning, executing and spearheading** construction projects involving method engineering, design development, contract administration & resource planning as per project guidelines and implementing latest **Construction Technologies**
- Track record in providing consultancy services pertaining to **planning, designing, peer review, project management and contract management** that include water supply/ treatment, water resources, pumping stations, sewerage/ treatment, storm water drainage and solid waste management projects
- Expert in managing all techno-commercial aspects of complex contracts** involving liaison with cross-functional departments for smooth operations of contracts and commercial documents
- Gained expertise in managing **Hydraulic Design of WTP/STP, Design of Pumping stations, SewerCAD, Layouts/ Yard Piping, Storm water and drainage, Sub contractor delegation and so on**
- Extensive knowledge of department processes; ensured that project/ department milestones/ goals were met by adhering to **approved budgets**; exposure of managing **waste-water maintenance operations** for reducing breakdown/ downtime & enhancing operational effectiveness of equipment
- Excels in implementing **cost saving measures** to achieve reduction in terms of construction; capability to manage preferred supplier relationships, monitoring performance and analyzing category spend
- Skilled in implementing process improvement** across various project processes to **reduce rejection levels and ensure high quality and safety standards** at all the stages of project execution
- Capability in coordinating with **internal/external stakeholders** for running projects successfully and gained exposure of applying procedures & service standards for business excellence
- Rich experience in **providing technical leadership** & creativity from inception through launch that includes development of concept, schematics, design, and detailed drawings as well as Project Management

### Career Timeline – Recent 5



## Work Experience

### Since Jan'20 with Growever Infra Corp as Team Leader

#### Key Result Areas:

- **Mapped requirements of projects** in coordination with clients, provided constructional & technical solutions and developed project baselines, monitored & controlled projects with respect to cost, resource deployment, time overruns and quality compliance to **ensure successful execution of projects**
- Acting as **Water/ Sewage Expert – Aizawl Smart City Project** (WAPCOS A Govt. of India)
- Managing all infrastructure and architecture projects. Responsible for deciding priority for tasks and develop a methodology to accomplish them, keeping track of communications regarding projects, employees and documents
- Preparing Situation Analysis Report and Feasibility Reports (**SAR & FR**) for various modules related to Water and Sewerage Projects, designing gravity sewerage network including one IPS (**Intermediate Pumping Station**), Smart water management with **SCADA** and water quality monitoring
- Assisting in formulating business plan for development in consultation with top management for development
- Formulating **long-term/ short-term strategic plans** to enhance operations; analyzing & reviewing the market response/ requirements and communicating the same to the marketing teams for coming up new applications

#### Highlights:

- Successfully led the team to get DPR and NIT worth 180 Cr approved and in 5 months
- Initiated crucial playground projects by consulting key stakeholders and client interactions
- Initiated Smart water management SCADA, Sewer Network and Decentralized treatment projects as water and sewer expert worth **Rs 125 Cr.**
- Managed work delegation worth Rs 65 Cr to sub-consultants to speed up deliveries and local participation
- Gained expertise in the field of **consultancy services** pertaining to planning, designing, peer review, project management and contract management pertaining to water supply/ treatment, resources, sewerage/ treatment, storm water drainage and solid waste management projects
- Expertise in providing consultancy services pertaining to planning, designing, peer review, project management and contract management pertaining to **water supply/ treatment**, resources, sewerage/ treatment, storm water drainage and solid waste management project
- Contributed in up-front interaction with the Client to assess the upcoming projects, formulating the potential joint venture partners, MOU
- Managed tendering activities involve complete quality supervision of Techno-commercial proposals; managed the **Quality Management System (QMS)** for project
- Met the various financial targets like Turnover, revenue management, operating profit for project

### Jun'19 – Jan'20 as Freelance Civil/ Environmental Engineer

#### Highlights:

- Developed water and sewer masterplan for **105 Hectare** township for a reputed developer in outskirts of Hyderabad
- Arranged updated site surveys, developing master plan for water supply and sewer disposal
- Prepared preliminary and final design report and getting it approved from client
- Provided stage one deliverable package and final stage deliverable package with BOQs and special specifications related to **Water and Sewer services**
- Supervised **technical bid** for raw water pumping station for a reputed pump supplier in Kakinada
- Prepared preliminary **GAs and MTO** for long lead items; coordinating with consultant for **construction stage GAs**

### Feb'18 – May'19 with Mott Macdonald Group as Principal Engineer- Civil, Global Delivery Services

#### Highlights:

- Managed upgradation of Water Supply Network of Bahrain, Lead Civil Engineer for preparation of Tender Design Package for Forwarding stations or intermediate Lift stations at various locations in Bahrain
- Attained seamless integration among lead team and back office team of engineers to ensure project submissions are on schedule, within budget and adhering to the quality requirements
- Supervised Keri Keri Wastewater Treatment Plant up gradation, Lead engineer for relocation and up gradation of Keri Keri wastewater treatment plant New Zealand region, providing engineering solutions based on best practices, work delegation, project schedule and budget monitoring
- Directed Redhill's and Lawson's Creek wastewater pump station, Lead Design Engineer, Tender Design Package for gravity network, pump station and rising main section for Redhill at New Zealand region, modification in existing sewer collection system of Lawson's Creek
- Executed Mauritius Multi-sports complex sewer pumping station, Lead Engineer, Construction stage design package for sewer pump station, coordination with all disciplines and lead office in South Africa, Man-hour estimation and schedule for activities, Design of water utilities network and preparation of utilities layouts

## Previous Experience

### May'15 – Feb'18 with Black & Veatch Private Limited

#### Growth Path:

2015 – 2016 as Senior Civil Engineer, Water

2016 - 2018 as Sr. Civil Site Group Engineer, Power and Oil & Gas

#### Projects Executed:

##### As Sr. Civil Site Group Engineer, Power and oil & Gas

- Reliance Industries Ltd., Tail Gas Treatment Unit (TGTU)-Detailed engineering, Preparation of standards and Design Basis Reports (DBR), design of partial flow sewer for oily and chemical sewer systems, design of flooded system for contaminated rain water systems (CRWS), delegation with other disciplines, vendor and client to resolve clashes and other issues during detail engineering and site execution, generating isometrics for the services
- Indian Oil LNG Private Limited (IOLPL) LNG Import, Storage and Re-gasification Project-Design review and site deputation, Review of area drawings for the terminal, site deputation for execution of civil work for water retaining structures and other civil structures ensuring compliance with health and safety requirement, modifications in the underground services and civil structures to accommodate site changes and/or client requirements. With excellent quality adherence record; selected as Site Lead quality control engineer for the civil works
- Adani Dhamra LNG Regasification plan-Technical Proposal submittal, participated in proposal submittals for LNG regasification plant, quantity evaluation for underground facilities and civil structures and coordination amongst other engineering disciplines

##### As Senior Civil Engineer, Water

- Alameda Sims Wastewater Treatment Plant Modifications, Preparation of Basis of Design report (DBR) based on City of Houston Standards, modifications in the layout and storm water calculations, review of the drawings and designs submitted by other consultant and disciplines
- Northbelt Wastewater Treatment Plant Modifications, modifications in the layout to accommodate additional Air Blower building and required revision in Storm water calculations due to increase in impervious cover, design drawings for installation of Wide band SS Diffusers, review of the drawings and designs submitted by consultant and disciplines
- City of Phoenix Wastewater Pumping Station, evaluation of the designed capacity and verification of the current operating status based on the pump station operation database and developing operation philosophy for day status
- Tongar Valley Hydropower Project, review of intake structure drawings, review of plan and profiles for the intake channel and penstocks

### Aug'13 – May'15 with Essar Projects India Limited as Manager, Civil and Structures

#### Projects Executed:

- **Bharat Petroleum Kochi Refinery project**, detailed designing of gravity contaminated rainwater system (CRWS), storm water, oily water system (OWS), sanitary sewerage system, clash checking with different disciplines from PDMS models and negotiating the alignments. Team lead and work delegation to achieve customer satisfaction within budgeted time sticking to the schedule. Design co-ordination for underground services, sanitary treatment plant
- Up gradation of the oil storage terminals for Indian Oil Corp Ltd.; managed detailed designing of OWS, CRWS, storm water, sanitary sewerage system, sanitary treatment plant and other UG services for ISBL and OSBL works, Inter-discipline and site coordination for construction activities

### May'13 – Aug'13 with Hyder Consulting India Ltd. as Senior Civil Engineer

#### Projects Executed:

- Developed services for South west water, involved in providing end to end solution for developer services to UK office in accordance with all **UK standards** and with additional guidelines laid by **South West Water (SWW)**
- Designed sewer networks required for diversion or requisition as per Sewer For Adoption (**SFA-6 and SFA-7 edition**) including preparation of **BOQ, estimate, tender documents** for the assignments

### Dec'08 – May'13 with Aamby Valley City Limited as Manager

#### Highlights:

- Managed the **conceptualization, planning, designing** of water related infrastructure works for Aamby valley city, designed raw water pumping system
- Supervised the operation of **Effluent/ Sludge Treatment Plants** as per internal and government norms
- Acted as in-charge for maintaining **ISO procedures and practices** for water and sewerage as well as other infrastructure departments
- Designed executed and successful commissioning of **floating raw water pumping station**, prepared annual water balance and contingency plans, cash flow management, annual project reconciliation
- Interfaced with **Production Teams for Effluent/ Solid Waste Management, Activated Sludge Process, Anaerobic Digestion** of Sludge

- ⦿ Led the team of dedicated **civil and mechanical engineers**; established potable and irrigation water access for city
- ⦿ Conducted failure investigation analysis to identify gaps & taking corrective measures so as to reduce equipment downtime & maximize water availability; allocated equipment, managing breakdown, scheduling & planning of maintenance and coordination with other service departments
- ⦿ Engaged in Contract Management for Mega Projects related to sewerage and water; contributed in Facilities Management for the **city's Waste Water** (Sewage) Treatment Plant Projects as well as Pumping Stations including Water Treatment Plants and related Pumping Stations
- ⦿ Spearheaded a team of **Middle/ Junior Level Engineers** and large work force for the organization related to Waste Water Treatment Plants and Pumping Management
- ⦿ Monitored the activity at sites, reviewing project schedule, ensuring cost control within budget, planning for cash flow requirements; planning the different effluent recycling systems like **Reverse Osmosis, Ultra Filtration & Micro-Filtration, especially in Boiler Blowdown & Cooling Tower Blowdown Waste Streams**

**2007 – 2008 with Essar Projects India Limited as Assistant Manager, Civil and Structures**

**2006 – 2007 with Shah Technical Consultants as Senior Engineer, Water and Wastewater**

**2006 – 2006 with Associated Environmental Engineers Pvt. Ltd. as Jr. Engineer, Solid Waste Management**

### Certification & Trainings

- ⦿ Certified **Internal Auditor for ISO 14000 and OHSAS 18000 series**, InterTek-UK, 2012
- ⦿ In-house trainings on **Bentley Hammer and Water Gems/ Sewer Gems** connect edition
- ⦿ In-house trainings - **Project Planning, Execution and Value Based Engineering, Deep Tunnel Sewer System**

### Technical Skills

- ⦿ Hands-on experience with **2D/3D** model reviewing software like **Naviswork Freedom/Simulator, AutoCAD, and Revit**
- ⦿ Managed designing of water and sewer networks with sophisticated design software like **Microdrainage/XP Drainage, StormCAD, HOUSTORM and Bentley Flowmaster**

### Personal Details

**Date of Birth:** 18<sup>th</sup> September 1980  
**Languages Known:** English, Hindi, Marathi & Gujarati  
**Address:** Aizawl, Mizoram