



Job Description: Project Engineer

About WASH Institute

Water, Sanitation and Hygiene Institute (WASH Institute), established in 2008, is a non-profit organization, dedicated to providing practical solutions to tackle a wide range of water, sanitation, hygiene and environmental issues in India and the neighbouring countries. WASH Institute aims to build the capacities of the sector through programs that provide a) training and academic courses, b) technical advisory and consultancy services, and c) grass roots community WASH programs.

WASH Institute has been conducting extensive training programs for government functionaries, private sector professionals, NGOs, and other practitioners with the objective of effective WASH implementation across the country under its WASH Academy vertical. In addition, our academic campus offers Diploma and Master level courses in sanitation, under affiliation to a leading university.

As part of our WASH Advisory vertical, we provide technical support services to central, state, and local governments in both urban and rural areas to support implementation of Swachh Bharat Mission (SBM) and Jal Jeevan Mission (JJM). Our community WASH vertical is executing WASH infrastructure for underserved communities in 15 locations across 8 states and 1 Union Territory in India.

We are a multi-disciplinary team that tackle complex multi-faceted problems of behaviour change, quality of service, and sustainability of WASH interventions. We are looking for experienced professionals to work with us towards our vision of “a world where all the communities have access to safe, protected and sustainable drinking water and sanitation services, with improved hygiene practices”. We are looking for experienced professionals to join our vibrant team.

About Project

WASH Institute has been providing technical assistance (TA) to Ministry of Housing and Urban Development (MoHUA) since 2015 for the implementation of Swachh Bharat Swachh Bharat Mission Rural. With the funding support from Bill & Melinda Gates Foundation, in its third phase of the TA support, WASH Institute is assisting the ministry to implement SBM 2.0 in rural areas of Himachal Pradesh, Haryana and Punjab

Position	Project Engineer
Number of vacancies	03
Location	Chandigarh (2 positions) and Shimla (1 position)
Desired Qualification and Experience	Degree in Civil Engineering with 3-4 years of experience in wastewater projects
Type of employment	Contract
Duration of contract	Project specific or one year, whichever is higher with possibility of extension

As a Project Engineer-Civil you will play a crucial role in the planning, designing, preparation of BOQ's and cost estimates, site execution of Faecal Sludge Treatment Plants and DEWATS (Decentralized Wastewater Treatment Systems) and other sanitation-based projects for improved public health.

Key responsibilities:

- Undertake comprehensive feasibility studies to assess the viability of faecal sludge and Used water (Wastewater) treatment projects.
- Conduct site investigations, surveys, and feasibility studies to gather essential data for project planning and design and evaluate site conditions.
- Plan and develop detailed engineering designs for Faecal Sludge/septage and Used water (wastewater) treatment systems using nature-based and electro-mechanical treatment technologies.
- Utilize drafting software to create detailed engineering drawings and plans that includes Master plans, hydraulic drawings, good for construction drawings along with technical specifications and ensuring all drawings are clear and adhere to industry standards.
- Prepare detailed and accurate cost estimates, considering factors such as material costs, labor rates, equipment rentals, and project-specific expenses.
- Prepare detailed BOQs, including item descriptions, measurements, unit rates, and overall costs.
- Preparation of Detailed Project Report
- Liaise with contractors and suppliers to gather pricing information and incorporate it into the BOQ.
- Prepare tender documents, including drawings, specifications, and contract terms.
- Oversee the construction and implementation of projects
- Coordinate with contractors, subcontractors, and other stakeholders to ensure project execution is on time and according to the design specifications.
- Liaise with government officers for different projects as and when required.
- Participate in meetings, presentations, and discussions with clients, regulatory agencies, and other stakeholders.

Preferred Qualification and Experience

- Bachelor's /master's degree in a civil or environmental engineering-related field.
- 3-5 years' experience in the design of faecal sludge and wastewater treatment systems including, drafting, Bill of quantities and cost estimate preparation
- Excellent analytical and problem-solving abilities, with a focus on continuous improvement and optimization.



- Strong communication and interpersonal skills, with the ability to collaborate effectively with diverse stakeholders.
- Good written and verbal communication skills.
- Familiarity with relevant regulations and standards governing wastewater management.
- Ability to work effectively in a team and collaborate with cross-functional stakeholders.

How to Apply?

Please submit your updated curriculum vitae, including 200 words cover letter explaining why you think you are suitable for the job

Applications can be e-mailed to careers@washinstitute.org with a copy to Karthik@washinstitute.org. The last date to submit your application is November 25th, 2023. Only shortlisted candidates will be contacted.

WASH Institute is an equal-opportunity employer and encourages women candidates to apply. WASH Institute does not discriminate candidates based on age, caste, class, sex, gender, religion, nationality, ethnicity, disability, and health.