

RAHEEL PALIJO

Engineer | Climate Resilience | WASH & Infrastructure | Settlement Planning | Education and Development

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SUMMARY

Development professional having more than 3 years hands-on experience in humanitarian and development projects, seeking to leverage expertise in Water, Sanitation, and Hygiene (WASH), shelter, and community-based infrastructure to contribute to impactful emergency response and sustainable development initiatives. Skilled in technical reporting, stakeholder coordination, and site management. Motivated to learn, grow, and excel in leading organizations focused on improving community resilience and sustainable development.

CORE COMPETENCIES

- WASH Infrastructure Design & Implementation
- Project Planning & Execution
- Cost Estimation & BOQ Preparation
- Site Supervision & Quality Assurance
- Community Mobilization & Engagement
- Technical Reporting & Documentation
- AutoCAD & Mapping Tools
- Stakeholder & Donor Coordination
- Monitoring & Evaluation (M&E) Support
- Disaster Risk Reduction (DRR) Integration

WORK EXPERIENCE

WASH OFFICER | AUGUST 2025 – PRESENT

Shifa Foundation | Chakwal, Punjab, Pakistan

- Executing WASH Emergency Response activities as per humanitarian & engineering guidelines, set standards and project documents of the UK's Foreign, Commonwealth and Development Office for Building Resilience and Addressing Vulnerability to Emergencies (BRAVE)
- Assessing flood-affected beneficiaries and conducting technical feasibility studies for construction activities at the field level
- Developing drawings, cost estimates, and preparing BoQs of Infrastructures & WASH facilities to reduce disaster impact
- Proposing adjustments to activities based on field realities and evaluation findings
- Supervising all WASH-related construction and emergency response work, including water supply systems, school and HCF sanitation facilities, and other community infrastructure
- Leading sanitation and environmental health activities, including waste drainage management and hygiene promotion

PROJECT ENGINEER | SEPTEMBER 2024 – MAY 2025

Catholic Relief Services | Karachi, Sindh, Pakistan

- Conducted thorough analysis and research to estimate project costs of 208 settlements of districts Thatta, Sujawal and Badin.
- Developed cost estimates for infrastructure schemes, including community centers, schools, streets, culverts, and WASH facilities
- Conducted technical feasibility and assessed flood-affected settlements to collect on-the-ground infrastructure data
- Reviewed and digitized maps to enhance their quality
- Measured the inverted slopes, and ground levels to design sewerages networks of settlements
- Utilized AutoCAD or relevant software to develop detailed drawings and maps based on project specifications
- Interpreted project requirements and translated them into technical drawings and maps
- Coordinated with other team members, including engineers, and data collectors, to integrate their inputs into drawings and maps
- Identified potential risks and issues and proposed mitigation strategies
- Supported project documentation and reporting requirements

FIELD ENGINEER | AUGUST 2023 – AUGUST 2024

Muslim Hands | Karachi, Sindh, Pakistan

- Executed WASH and Community Physical Infrastructure related construction activities as per humanitarian & engineering guidelines, set standards and project documents

- Developed drawings, cost estimates, and preparation of BOQs of infrastructure schemes i.e. community centers, shelter houses, schools, and WASH facilities
- Monitored and ensured the construction work as per drawings, specifications, standards, and agreements
- Coordinated with Supervisors, vendors, donors, teams, and stakeholders for smooth implementation of the project
- Prepared daily, weekly, monthly, and other progress reports for management's info
- Facilitated community engagements, trainings, and workshops
- Assessed the beneficiaries and conducting technical feasibility for construction activities at the field level
- Coordinated with all stakeholders especially community activists, COs, VOs, and beneficiary households for smooth implementation of the project

FIELD ENGINEER | MARCH 2023 – JULY 2023

HANDS | Thatta, Sindh, Pakistan

- Validated data of 1200+ beneficiaries as per desired standard of Sindh People's Housing for Flood Affectees Department
- Ensured the layouts, levels, and all activities at the site both pre- & post-construction to know whether construction work was being done according to drawings and specifications or not
- Monitored and provided support for developing an understanding of skilled laborers, community activists, or beneficiary households regarding design, inclusiveness, DRR, and protection measures
- Reported to supervisors and project heads regarding any issue relevant to design at the earliest stage of the project with recommendations
- Coordinated with all stakeholders especially community activists, COs, VOs, and beneficiary households for smooth implementation of the project
- Prepared daily, weekly, monthly, and other progress reports for management's info
- Maintained records (hard & soft) that include Cost estimates, BOQs, drawings, construction plans, Measurement book, daily field visit reports, material requisition, pictorial progress & other documentation

EDUCATION

BACHELOR OF ENGINEERING IN CIVIL ENGINEERING | OCTOBER 2017 – DECEMBER 2021

Mehran University of Engineering and Technology | Jamshoro, Sindh, Pakistan

PROJECTS

- **Climate Resilient Settlement Development Plan (CRSDP):** Provided technical assistance to develop Climate Resilient Settlement Development Plans of 208 settlements in coordination of Sindh People's Housing for Flood Affectees (SPHF) and UNIDO's PAIDAR Project.
- **Empowering Futures - Accelerated Learning Pathways (ALP) for Out-of-School Children and Adolescents, Integrated with Health, Nutrition, WASH, Skill Enhancement and Girls' Empowerment:** assessed and monitored the construction of WASH facilities of 60 ALP Centers in District Sujawal. Focused on educating communities about Access to safe and clean water, proper sanitation, and good hygiene practices.
- **Sindh People's Housing for Flood Affectees:** Validated the data of 1200+ beneficiaries and led the construction of 100+ shelters under the SHRRP Standards.

ONLINE COURSES AND TRAININGS

- Prevention of sexual exploitation and abuse (PSEA) – 2024
- Ethics and Integrity - 2024
- Aspire Leaders Program – 2024
- Training of Trainers of Mason's Training – 2024
- Career-prep Fellowship – 2022
- Survey Camp - 2018

SKILLS

Technical: Estimation, Quantity Surveying, Data Collection, Mapping, Site Management, Technical Reporting

Software/Tools: Microsoft Office, AutoCAD, Foxit

Interpersonal: Leadership, Communication, Teamwork, Time Management, Complex Problem Solving

LANGUAGES

- English – Working Proficiency, Urdu – Fluent, and Sindhi – Native