



Technical Adviser - WASH Job Description

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UNIT/DEPARTMENT	:	Influencing and Enabling
JOB TITLE	:	Technical Adviser-WASH
REPORTS TO	:	Director Policy and Advocacy
Staff members to supervise	:	Programme Officer- Engineers (1-2)

JOB PURPOSE SUMMARY:

The position is responsible to advise enriching existing technological portfolio with more innovative technological, practical and sustainable WASH solutions that can respond to climate change impacts, arsenic contamination and other emerging factors. S/he will encounter the technological challenges and social barriers, capacitate the engineers of WaterAid and its partners and suggest and accredit innovative technologies for WaterAid projects. Also, s/he will provide technical support during construction and assess performance of the interventions. S/he will design and implement the research and pilot initiatives including faecal sludge management, rainwater harvesting, decentralised wastewater management systems, small scale pipe network, surface water treatment etc. COVID-19 brings manifold technical challenges on WASH issue and Technical Adviser will play significant role in innovating the solutions befitted for the context. This Position is overall responsible for ensuring the quality and effectiveness of the technological options and interventions of WAB.

Overall, s/he will provide technical and advisory support to the country programmes (CPs) on WASH throughout the project cycle (capacity review, gap identification, assessment, analysis, design, planning, implementation, monitoring & evaluation). S/he will also review, update and roll out WaterAid's different global policies at country level. Also s/he will document learning and disseminate at national, regional and global level. S/he will also manage the technical/engineering team of WaterAid under his/her portfolio.

KEY RESPONSIBILITIES:

1. Policy update, roll out and quality assurance

- Review and update different policy documents at country level like Water Quality Protocol, Health and Safety policy for construction work, Technical design manual, roll out of institutional & regulatory framework of FSM through different projects/programs of WAB
- Revision of Water Quality Protocol as per present need and context, developing manual of health and safety policy for construction work and other relevant documents across the programmes
- Revision of WAB's design manual of different interventions of water and sanitation
- Ensuring quality and monitoring evaluation to adhere standards as per different frameworks of WaterAid (sanitation framework, water security framework, sustainability framework), analyse them how different programmes/interventions are currently addressing those and suggest ways of improvement
- Contribute to national level guideline and policy formulation in a standardized manner to uplift organisational profile

2. Support to programmes

- Accredite innovative technologies or new technologies for the country programme to be initiated in any programme of Bangladesh addressing need of the SDG6, i.e, improved and safely managed water options and safely managed sanitation. Particular attention needs to be provided on post COVID-19 situation of the country.
- Support during innovative technical interventions including design
- Assess performance of different pilot initiatives (like Safe Water Dispensing system, urban Rainwater Harvesting plants, Decentralised waste-water management systems, surface water treatment, faecal sludge management etc.) and suggest for necessary improvement/infrastructure
- Support the projects in Arsenic affected areas to identify arsenic removal technologies combating adaptation and mitigation of such critical issue
- Support different researches/ action researches (faecal sludge management, rainwater harvesting etc.) aligning SDG6 and WAB's country programme strategy
- Promote and create space for innovation and innovative measures at the country and global level to strengthen the knowledge management and learning agenda
- Support building strong network with the volunteers and youth engagement initiatives of the organisation.

3. Support to capacity building

- Advise all Engineers for engineering related issues as relevant and support in building capacity of all Engineers
- Organise semi-annual meeting/ capacity building initiative for all Engineers includes partners' engineers addressing roll out of different innovative technologies, safeguard policies like water quality protocol etc, promote best

practices, orient new Engineers about WaterAid's equity and inclusion aspects and how those could be fitted into intervention level

- Assess performance of different water and sanitation technologies implemented under all programmes (like Rainwater Harvesting, Gravity Flow Systems, Community managed/public toilets, pipe water supply network etc.) and suggest for necessary contextual solution

4. Partnership Management

- Manage partnership with relevant national and international organisations including budget, reporting etc. and support inclusion of rainwater harvesting into the curricula of different technical institutes and promote urban rainwater harvesting
- Manage partnership with different academia/institutes to carry forward actions researches supportive to WAB's programmes
- Manage partnership with Rain Forum and all Rain partners to strengthen its activities, particularly for the improvement of Rain Centers as knowledge hub
- Manage and escalate partnership with academia and research organisation to influence WASH agenda be a part of research work.

5. Documentation and dissemination

- Document learnings and best practices from various interventions/ initiatives and disseminate the same jointly with the respective team/Engineers of the programme
- Writing/presenting technical papers in international forum/conference and peer reviewed journals

6. Coordination, communication and reporting

- Coordinate water quality data synthesis, analyses and report for WAUK/ donors
- Work collaboratively with program, advocacy and monitoring team for ensuring Quality Program Standard (QPS) procedures for knowledge products and implementation of testing in targeted contexts/projects
- Liaison with WA UK and South Asia region to work collaboratively as part of South Asia Urban Sanitation Group
- Working with PSU of WaterAid UK and other WaterAid CP's including South Asia Regional team of WaterAid to support implementation of sustainable approach and providing peer support to appropriate technologies/approaches

7. Others

- Visit WAB's project areas when necessary for rolling out the standards (water quality, technical design etc) in different programmes and interventions, performance assessment of technologies for sustainability, observing roll out status of different policies and suggest onward actions
- Represent WAB in different networks, alliances, workshops and meetings as assigned.
- Extend support to South Asia region to different study or research as per the requirement
- Assist the programme/project/advocacy managers to manage the routine programme activities, such as programme documentation, communications,

progress reporting, work planning, ToR preparation, outreach activities, event organisation etc.

- Networking with a wide range of development partners and stakeholders to facilitate dialogues on strategic WASH issue

JOB REQUIREMENTS/PERSON PROFILE:

Education and Experience/knowledge:

- BSc in civil, environmental, sanitary or water resources engineering with a master's in engineering, environment or development related field with excellent academic track record. Persons having PhD degree will be preferred
- At least 08-10 years relevant working experience in the similar field; with reputed national/ international organisations, or in academia
- Proven experience of independently designing water and sanitation infrastructures and ability to provide technical guidance to Engineers

Professional and Technical Skills:

- Skills to use different technological resources (computer, multimedia projector, internet, email, computer aided systems, widely used software etc).
- Familiarity with computer aided design platforms; AutoCAD is desired.
- Excellent presentation and oral communication skills both in Bangla and English;
- Excellent writing skills in English.
- Commitment to personal learning, development and improvement in pursuit of own objectives and those of the team and organisation.

Personal Competencies:

- The position is required of good leadership qualities, people management, team building spirit and problem solving skills; should be able to draw confidence and support from others.
- Must be a person who is self-motivated with good interpersonal skills.
- Possess personal integrity, flexible attitude, sense of transparency, proactive stance and respect for gender, diversity and organisational cultural.
- Competent to make effective decisions, uphold organisational values, promote integrity and advance organisational mission and vision.
- Able to plan, prioritise and organise self and others.
- Ability to work under pressure and meet deadlines.

KEY CONTACTS/RELATIONSHIP:

Includes but not limited to the colleagues of others departments/teams within the organization, Partner Organisations, South Asia Regional team especially Technical Adviser and other relevant counterpart in UK office etc.

WORKING CONDITIONS:

This is a country office-based position (based in Dhaka) with access to official vehicle (during field visit and official travel) computer, internet, relevant software and telecommunication including mobile phone network. Willingness to travel on a regular basis to remote areas of Bangladesh and overseas is required. It is expected that 30-40% time should be dedicated to field-visits.