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| **Title: WASH International Engineer** |
| **National context**  According to the National Statistical Committee of the Kyrgyz Republic, 8.9% of the population do not have access to safe sources of drinking water and use water from open water reservoirs that are hazardous to health. The sources of drinking water supply in towns and villages of the Kyrgyz Republic are rivers, reservoirs, deep artesian wells, canals and other facilities.  The problem is that only 29.1% of the population of the country are connected to the centralized water disposal systems and facilities according to statistics. In some settlements, there are existing wastewater disposal systems, but due to exceeding the service life and lack of capital investment, they are in a condition that requires rehabilitation or new construction. In rural areas, only 3% of residential and public buildings are connected to sewage systems, these are schools and medical organizations. Lack of safe drinking water and poor sanitation can lead to serious public health issues and outbreaks of infectious diseases, especially among children.  The situation with Water, Hygiene and Sanitation (WASH) in schools is of concern, with significant implications, particularly for adolescent girls: one in four schools has no access to clean drinking water, 74.4 per cent do not have internal toilets and 68.2 per cent are not connected to the hot water supply.  In most schools, toilets do not meet inclusive and gender responsive criteria. Lack of privacy and safety is a major problem for adolescent girls who avoid using the school toilets whenever possible. Toilets are usually located outside the main building, and this creates a major risk of sexual harassment for girls. Handwashing facilities exist but are not located next to the toilets, which is making it difficult to ensure safe hygiene practices by children.  In 2016, a draft resolution of the Cabinet of Ministers of the Kyrgyz Republic was developed to amend the sanitary and epidemiological rules and regulations "Sanitary and epidemiological requirements for the conditions and organization of education in general educational institutions"- this covers the requirements for the design and equipment of school toilets and hygiene rooms for girls.  In this regard, UNICEF plans to hire an International WASH consultant, who is expected to assist in revision of the National standards on WASH in schools in consideration of gender responsiveness and inclusiveness and propose a model WASH facility in selected schools.  **Purpose of Activity/Assignment:**  Provide technical support to the Ministry of Education through making recommendations on the review and update of existing National standards on WASH in Schools and assist in building a model WASH facility. |
| **Scope of Work:**  The International Consultant is required to review and update the existing National Standards on WASH in schools and ensure its alignment with best international practices, particularly related to gender sensitivity and inclusion of the needs of children with disability. The consultant is expected to work in close collaboration with a national consultant. The international WASH consultant will ensure alignment with existing national policy, legal and regulatory frameworks where applicable.  The national consultant will be responsible for reviewing existing national documents related to WASH infrastructure in schools, including standards, policy and regulatory framework, sanitarium rules and norms, law on water and other relevant frameworks. The national consultant will generate an analysis on the current situation of WASH in schools, gaps and challenges, gender responsiveness and inclusiveness, with a particular eye on access by children with disabilities. The international consultant will support the national consultant by providing evidence of best international practices of gender and disability inclusive and climate resilient WASH facilities and review of analytical documents generated by him/her. The international consultant will support the Ministry of Education to build and scale up a model WASH facility at selected schools.  The national consultant will provide supportive functions such as identifying and arranging meetings with key informants and relevant stakeholders in WASH sector and translation (in Kyrgyz) during meetings. Due to technical terminologies of engineering, both oral and written translation service should be done by the national consultant/engineer is essential.  **Key activities of the international consultant:**   * Review information collected by the national consultant (existing documentation related to WASH infrastructure in schools, particularly national standards, policy and regulatory frameworks, with a focus on gender responsive and inclusive designs). Visit schools and kindergartens in both urban and rural Kyrgyzstan, meet national stakeholders to identify challenges and opportunities for improved WASH situation in educational settings and write a desk review of the current situation. * Provide technical guidance and, in collaboration with the national consultant, design inclusive and gender-responsive standards for school latrines and WASH facilities ensuring adaptability to all conditions in Kyrgyzstan, including rural/urban context, and taking into consideration the available infrastructure, its quality, construction material and winter temperatures. * Review and ensure quality assistance of the cost analysis to be done by national consultant for the development of a prototype at model schools based on the new proposed standards. * Costing of the proposed prototype for scale up based on unit cost of WASH facility (toilet with hand washing sink with reliable water source) including building, infrastructure requirement and service maintenance (how to empty septic tank etc) |
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| **Supervisor**  P3 Health Specialist | **Start Date:**  **15 March 2024** | **End Date:**  **15 July 2024** | **Number of Days (working): 90 working days**  **60 working days at Duty Stations (Bishkek and fields) and 30 days of working from home** |
| **Work Assignment Overview** | | | |
| **Tasks/Milestone:** | **Deliverables/Outputs:** | **Timeline** | **Estimate Budget** |
| Activity 1:  Review information collected by the national consultant and visit schools and kindergartens in both urban and rural Kyrgyzstan, meet national stakeholders to identify challenges and opportunities for improved WASH situation in educational settings and write a desk review of the current situation. | Desk review | 18 days |  |
| Activity 2:  Provide technical guidance and in collaboration with the national consultant design a prototype of WASH facility which has an inclusive and gender-responsive standards. A proposed prototype must ensure adaptability to all conditions in Kyrgyzstan, including rural/urban context, and taking into consideration of available infrastructure, its quality, construction material and winter temperatures. | Draft copy of inclusive and gender responsive standards for school latrines | 47 days | 65% |
| Activity 3  Review the cost analysis of a prototype at model schools based on the new standards proposed. Finalize costing of the proposed prototype for scale up at regional and national levels based on unit cost of WASH facility (toilet with hand washing sink, water source) including building, infrastructure requirement and service maintenance (how to empty septic tank etc) | Cost analysis | 20 days |  |
| Activity 4  Presentation of costing analysis report | Power point presentation for both design and costing approved and presented to MOES and MOH, State Architecture Agency | 1 day |  |
| Activity 5  Final report including conclusion and recommendation proposed prototype, necessary steps for scale up in consideration of adaptability to Kyrgyzstan context | Final report is submitted and cleared | 4 days | 35% |

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| **Estimated Consultancy fee** | **90 days** |  |  |
| Travel Local (please include travel plan)  Osh, Naryn, Batken, Talas, Jalalabad and Issyk-Kyl district, (each province -3-4 days for situation analysis and prototype discussion and costing including travel days  In total the number of local field trips 28 days | 1.Osh and Jalalabad 7 days    2. Naryn, Batken, Talas- 15 days    3. Issyk-Kyl - 6 days |  |  |
| Travel international to Bishkek total days in Bishkek 32 days | 32 days in Bishkek  Excluding the days of field trips |  |  |