

GOVERNMENT OF KIRIBATI
POSITION DESCRIPTION

1. Ministry: Ministry of Infrastructure and Sustainable Energy		
2. Position Title: Senior Water Engineer	3. Salary Level: L6	4. Division: Water and Sanitation Engineering Department
5. Reports To: Director General of the Engineering Department	6. Direct Reports: Principal Senior Water and Sanitation Engineer (PWSE)	
7. Primary Objective of the Position: <ul style="list-style-type: none"> • To be responsible for design and installation including supervision of construction of water systems. • To oversee and coordinate ongoing and planned water infrastructure projects and to provide advice as required to MPWU on how best to deal with engineering matters and/or issues arising from projects. • To support the management role of the Senior Water and Sanitation Engineer in particular the focus on ensuring water supplies are sustainable and of good quality and to advise on other existing water technologies applicable to Kiribati, as required. 		

8. Position Overview	
9. Financial: Existing post	10. Legal: National Water Resources Policy and Implementation Plan, National Sanitation Policy and Implementation Plan, PUB Act
11. Internal Stakeholders: <ul style="list-style-type: none"> • Employees • Donors <p>To be referred to Manager:</p> <p style="text-align: center;">All Activities</p>	12. External Stakeholders: <ul style="list-style-type: none"> • Other Ministries • Customers • NGOs • SOE's • Communities <p>To be referred to Manager</p> <p style="text-align: center;">All Activities</p>

This position description provides a comprehensive, but not exhaustive, outline of the key activities of the role. It is an expectation that you may be required to perform additional duties as required.

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11. KEY ACCOUNTABILITIES *(Include linkage to KDP, MOP and Divisional Plan)*

- *KDP/KPA:*
- *MOP Outcome:*
- *Divisional/Departmental/Unit Plan:*

Key Result Area/Major Responsibilities	Major Activities/Duties	Performance Measures/Outcomes
<ol style="list-style-type: none"> 1. To be responsible for design and installation including supervision of construction of water systems. 2. To oversee and coordinate ongoing and planned water infrastructure projects and to provide advice as required to MPWU on how best to deal with engineering matters and/or issues arising from projects. 3. To support the management role of the Senior Water and Sanitation Engineer in particular the focus on ensuring water supplies are sustainable and of good quality and to advise on other existing water technologies applicable to Kiribati, as required. 	<ol style="list-style-type: none"> 1. Provide quarterly reporting of progress towards achieving plans for the rehabilitation, construction or supervision of construction of water systems AND as required. 2. Advice Government on appropriate water supply designs to meet future water demand of the country based on sound engineering practices and/or calculations. For example groundwater, rainwater and non-conventional sources such as desalination. 3. Provide designs for water systems required and undertake and/or provide calculations, cost estimates, material lists and BOQs for the rehabilitation, maintenance and installation of water systems. 4. Establish an updated database for water systems installed on all islands of Kiribati. 5. Lead the purchase of fittings and materials for water supply from overseas as necessary. 6. Work with PUB to manage the South Tarawa reticulation water supply, if needed. 7. Ensure that potable water from PUB supply and groundwater resources in South Tarawa is effectively managed 	<ol style="list-style-type: none"> 1. Improve water supply systems throughout Kiribati, including an updated database on all existing water systems and their functional and current status. 2. Well-coordinated activities in the Water and Sanitation Unit with that of ongoing water infrastructure projects. 3. Completion of on-going and pipeline' water infrastructure projects on time. 4. Increase in the number of people and/or communities with access to improved water supply and/or infrastructure. 5. A robust water reticulation supply for South Tarawa 6. Sustainable water supplies for all islands in Kiribati

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	<ol style="list-style-type: none"> 8. Assist Senior Water and Sanitation Engineer in analyzing results of water resources investigations and sustainable yield estimates of a particular groundwater source and check recommendations of how such resources should be utilized. 9. Work and/or liaise with ongoing Water Infrastructure Projects to ensure knowledge and skills is transferred from projects and also that projects are implemented with the participation of MPWU. 10. Represent the WSEU in national and international meetings on water supplies and infrastructure as required from time to time. 11. Assist the SWSE to manage the WSU as required or when needed. 	
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12. Key Challenges	13. Selection Criteria
<ol style="list-style-type: none"> 1. Water Supply Systems: The post holder have to undertake advance calculations to analyse problems with water systems and based on the result propose various solutions. The post holder have to in some instances visit the site and make proposals 2. Water Resources: 	<p>11.1 PQR (Position Qualification Requirement):</p> <p>Education: <i>Essential</i></p> <ul style="list-style-type: none"> • Bachelor's Degree in Civil/Environmental Engineering/Geology/Water Resources Management or related field <p>Experience:</p> <ul style="list-style-type: none"> • Is able to demonstrate analytical and leadership skills • Working knowledge of design tools such as Auto CAD and Pivot. • At least 1 year working experience in an engineering or water sector department.

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<p>The post holder have to analyse problem with water resources using computer programs or manual calculation to come up with solutions. In some cases the post holder have to visit site and undergo site investigation to determine the quantity and quality of the water source or supply. Decision making will also be a large component of this position. Decisions to be made will include (but are not limited to):</p> <ul style="list-style-type: none">• How to balance the water needs of the current population, future populations, the environment, and development• Prioritising projects, given a limited budget <p>Candidate must be in good physical condition to undertake regular, physically demanding field work and will be willing to travel to any islands in Kiribati when required</p>	<p>Job Training: N/A</p> <p>Prerequisite:</p> <p>a. Key Attributes (Personal Qualities):</p> <p>2. Knowledge Understanding of water supply and sources found and/or which can be applied in Kiribati including the environmental, social and economic issues associated with the management, distribution, delivery and contamination of the water supplies.</p> <p>3. Skills: Data gathering and Data analysis</p> <p>4. Attributes</p> <ul style="list-style-type: none">- Highly self-motivated and conscientious person who does not require regular supervision- Creative- Organized- Hardworking- Productive- Reliable- A good team worker
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