

GOVERNMENT OF KIRIBATI
POSITION DESCRIPTION

1. Ministry: Ministry of Infrastructure and Sustainable Energy		
2. Position Title: Senior Hydrogeologist.	3. Salary Level: L6	4. Division: Water and Sanitation Engineering Unit
5. Reports To: Director, Engineering Services	6. Direct Reports: Senior Water and Sanitation Engineer (SWSE)	
7. Primary Objective of the Position: <ul style="list-style-type: none"> • To manage water resources in Kiribati as a primary focus. • To support to the management role of the Senior Water and Sanitation Engineer in particular the focus on ensuring water resources are adequate, good quality and to look for other water resources as required. 		

Decision Making Authority	Key Contacts	Frequency and purpose
MISE		
Without referral to manager <ul style="list-style-type: none"> • Investigation of the status (especially the thickness) of the freshwater lens throughout Kiribati is carried out as necessary. • Ensure the sustainable exploitation of all pumped water reserves throughout Kiribati • Investigate possible sources of additional freshwater in South Tarawa 	Water and Sanitation Monitoring Officer, Water Technicians, PUB water and sewerage manager	As required
After consultation with managers or others <ul style="list-style-type: none"> • Water plans are regularly updated to ensure the ongoing sustainability of potable water to the population 	Senior Water and Sanitation Engineer	Regularly – Immediate Supervisor

This is 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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<ul style="list-style-type: none"> Keep abreast of workplan and what they have been doing; Action plans or etc, if the water resources are sufficiently depleted or if there are significant problems with over pumping 	<p>Water Engineer/Head of WEU</p> <p>Senior management and/or government</p>	<p>Regularly</p> <p>In times of emergency</p>
<p>Referred to manager or others</p> <p>Regular collaboration and coordination</p>	<p>Water Quality Officer, Water Technicians, Councils and Communities</p>	<p>On occasion</p>

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 	12. External Stakeholders: <ul style="list-style-type: none"> Other Ministries Customers NGOs SOE's Communities

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
1. Investigation of the status (especially the thickness) of the	1. Evaluate the quantity of the water in the freshwater reserves in South Tarawa.	11. Quarterly monitoring of groundwater levels and salinity

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<p>freshwater lens throughout Kiribati is carried out as necessary.</p> <ol style="list-style-type: none"> 2. Ensure the sustainable exploitation of all pumped water reserves throughout Kiribati. 3. Investigate possible sources of additional freshwater in South Tarawa. 4. Water plans are regularly updated to ensure the ongoing sustainability of potable water to the population. 	<ol style="list-style-type: none"> 2. Evaluate the quantity of the water in the freshwater lenses of the outer islands. 3. Oversee the drilling of boreholes, as required. 4. Take the lead in carrying out Water Resource Assessment (WRA) in Kiribati to provide technical advice and inform decision making on the appropriate type of water infrastructure. 5. Use appropriate equipment (such as electromagnetic induction meter) to evaluate water reserves and undertake water resource assessment on islands where this data is not available. 6. Investigate the sustainability of possible sources of potable water for South Tarawa and the Outer Islands. 7. Liaise with personnel undertaking international aid projects activities relating to development of water reserves in Kiribati. 8. Undertake quarterly reporting of progress towards achieving water plans. 9. Work with PUB to manage the South Tarawa reticulation water supply, if needed. 10. Ensure that potable water from PUB supply and groundwater resources in Kiribati are effectively managed 	<p>at boreholes in the freshwater reserves of Tarawa.</p> <ol style="list-style-type: none"> 12. Implementation of Drought Response Plans in times of drought. 13. Regular monitoring of water resources at other sites in South Tarawa, and on outer islands. 14. Analysis of all monitoring data obtained, with results presented in regular reports. 15. Improved understanding of the overall status of freshwater resources due to increased sharing of relevant data obtained by various Ministries. 16. All monitoring data securely backed-up. 17. Monitoring equipment is available and in good condition when required.
12. Key Challenges	13. Selection Criteria	
	11.1 PQR (Position Qualification Requirement):	

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Problem solving is an extremely large component of this position. Some of the problems encountered will include (but are not limited to):

- On-the-ground problems encountered when assessing the status of the freshwater reserves, due to difficulties getting readings at some boreholes, equipment problems, unusual readings etc. The person will be required to determine what is causing the problem, and what can be done to overcome them. Experience will be the primary guide in these matters.

Decision making will also be a large component of this position. Decisions to be made will include (but are not limited to):

- How to balance the water needs of the current population, future populations, the environment, and development
- Prioritising projects, given a limited budget

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

Education: *Essential*

- Bachelor's Degree in Civil/Environmental Engineering/Geology/Water Resources Management OR Bachelor in Science majoring in Environmental science or related field

Experience:

- 2 years of experience in water quality monitoring, training technical staff, water assessment, water resource investigations, or other related areas.
- Is able to demonstrate analytical and leadership skills
- Working knowledge of water resource assessment equipment such as the EM34 and Resistivity Meter.

Job Training: N/A

Prerequisite:

a. Key Attributes (Personal Qualities):

2. Knowledge

Understanding of water supply 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.

3. Skills:

Data gathering and Data analysis

4. Attributes

- Highly self-motivated and conscientious person who does not require regular supervision
- Creative
- Organized
- Hardworking

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	<ul style="list-style-type: none">- Productive- Reliable- A good team worker
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