

**POSITION DESCRIPTION**

<p>1. <b>Ministry:</b> MLPID</p>		
<p>2. <b>Position Title:</b> Water Resource Sustainability Officer.</p>	<p>3. <b>Salary Level:</b> L9-7</p>	<p>4. <b>Division:</b> Water and Sanitation Division.</p>
<p>5. <b>Reports To:</b> Water Engineer and Sanitation Engineer (HOD)</p>	<p>6. <b>Direct Reports:</b></p>	
<p>7. <b>Primary Objective of the Position:</b>          This position carries a primary responsibility to Hydrogeologist and contributes to ensure water resources are adequate, good quality and look for other water resources as required. Other water monitoring parameters considerably to quality and quantity of the water are the additional responsibility. The focus is on ongoing monitoring and awareness on the status of water sources and water supplies.</p>		
<p>8. <b>Position Overview</b></p>		
<p>9. <b>Financial:</b> Nil</p>	<p>10 <b>Legal:</b> National Water Resources Policy and Implementation Plan, National Sanitation Policy and Implementation Plan, PUB Act, C Act, WHO guideline for Drinking Water, Kiritimat Drought Management Plan,</p>	
<p>11. <b>Internal Stakeholders:</b></p> <ul style="list-style-type: none"> <li>• Employees</li> <li>• Donors</li> </ul> <p>To be referred to Manager:</p> <p>All Activities</p>	<p>12. <b>External Stakeholders:</b></p> <ul style="list-style-type: none"> <li>• Other Ministries</li> <li>• Customers</li> <li>• NGOs</li> <li>• SOE's</li> <li>• Communities</li> </ul> <p>To be referred to Manager</p> <p>All Activities</p>	

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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"> <li>1. Coordination and implementation of regular and reliable monitoring of the status of the freshwater resources in Kiribati.</li> <li>2. Updated and ongoing analysis of monitoring data obtained from the WED and report on the findings.</li> <li>3. Maintenance of monitoring equipment is ensured and updated record on status of equipment including regular reporting on stock on hand.</li> <li>4. Assist Hydrogeologist in implementation of Drought Plans.</li> <li>5. Mapping of galleries and boreholes,</li> <li>6. Responsible for groundwater assessment.</li> </ol>	<ol style="list-style-type: none"> <li>1 Assist the Hydrogeologist to undertake Water Resource Assessment across Kiribati using appropriate equipment such as EM34 (electromagnetic induction meter) and report on findings to Engineer for analysis.</li> <li>2 Where required, evaluate the quantity of the water in the freshwater reserves in Kiritimati and other Line and Phoenix islands if required,</li> <li>3 Oversee the drilling of boreholes, as required.</li> <li>4 Undertake measures to safeguard water sources and provide recommendations on course of actions for conservation.</li> <li>5 Report to Engineer on groundwater quality and quantity at water reserves and at the outer islands,</li> <li>6 Monitor the effects of climate change on the water reserves in Kiribati</li> <li>7 Prepare budgets for the water monitoring activities of the WEU.</li> <li>8 Perform the duties of Hydrogeologist when required.</li> </ol>	<ol style="list-style-type: none"> <li>1. Combine salinity from galleries is tested and acceptable,</li> <li>2. Ongoing monitoring of galleries and boreholes on monthly and quarterly basis respectively carried out,</li> <li>3. Monthly reports on progress of status of water reserves, water quantity and water quantity or more frequent when required undertaken,</li> <li>4. Regular updates and data securely backed-up of database of monitoring and analysis data.</li> <li>5. Timely implementation of Drought Management Plans.</li> <li>6. Timely management of junior staff and implementation of WSU activities.</li> <li>7. Yearly report on groundwater profile at water reserves produced.</li> </ol>

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<p><b>12. Key Challenges</b></p> <ol style="list-style-type: none"> <li>1. Problem solving is an extremely large component of this position. Some of the problems encountered will include (but are not limited to):             <ul style="list-style-type: none"> <li>• Understanding major sources of contaminants including microbial aspects associated with digestion of water contained feces. Have understanding of transmission pathways of pathogens such as water related diseases, water washed diseases, water based diseases and water related insect vector. Have understanding of chemical aspects of drinking water in relates to toxicity of the compound and sources. When analyzing the data, the person will find anomalous readings for many of the sources. It will be necessary for them to trigger and explained how such contaminants leached to groundwater and have fair idea of how groundwater itself treat groundwater to reduces or remove such contaminants during filtration at layers of the soils.</li> <li>2. Decision making will also be a large component of this position. Decisions to be made will include             <ul style="list-style-type: none"> <li>• What to do with anomalous data (this is both a problem-solving and decision-making issue). The results of the analysis may vary considerably depending upon the decisions made in this regard;</li> </ul> </li> </ul></li></ol>	<p><b>13. Selection Criteria</b></p> <p><b>11.1 PQR (Position Qualification Requirement):</b></p> <p><b>Education: Essential</b></p> <ul style="list-style-type: none"> <li>• Degree in Environmental Science (majors in Biology /Chemistry)</li> <li>• Diploma in Civil/Environmental Engineering/Geology/Water Resource Management or any Science related with 4 year experiences</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• Experience in water quality monitoring and sampling.</li> <li>• Good technical skills</li> <li>• Fluency in the analysis and interpretation of data using computer applications such as Microsoft EXCEL.</li> <li>• Excellent written communication skills in English</li> </ul> <p><b>Job Training:</b> N/A</p> <p><b>Prerequisite:</b></p> <ol style="list-style-type: none"> <li>a. <b>Key Attributes (Personal Qualities):</b></li> </ol> <ol style="list-style-type: none"> <li>2. <b>Knowledge</b> Understanding of water supply and sources found and/or which can be applied in Kiribati including the environmental, social and economic issue associated with the management, distribution, delivery and contamination the water supplies.</li> </ol> <ol style="list-style-type: none"> <li>3. <b>Skills:</b> N/A</li> </ol>
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<ul style="list-style-type: none"> <li>• How often of such issues related to poor sanitation practices and to promote the WASH practices which are the major preventative methods.</li> <li>• Determine the status of the water issue outbreak as trigger poor quality of drinking water sources in conjunction with Health data and to scrutinize the courses.</li> <li>• Have understanding of how drinking water be treated particularly from the groundwater well. Treatment at household levels including chlorination, SODIS, filtration, boiling and so forth. It also important to provide advices on how drinking water stored safely after treatment.</li> <li>• To have understanding of how treat drinking if contains heavy metals, and other pollutants and to advice accordingly.</li> </ul> <p>3. Candidate must be in good physical condition to undertake regular, physically demanding field work and motivated to undertake further online courses related to the work.</p>	<p>4. <b>Attributes</b></p> <ol style="list-style-type: none"> <li>4. Highly self-motivated and conscientious person who does not require regular supervision</li> <li>5. Creative</li> <li>6. Organized</li> <li>7. Hardworking</li> <li>8. Productive</li> <li>9. Reliable</li> <li>10. A good team worker</li> </ol>
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