FUNCTION:

The Water Resource Management Specialist will lead the Institute’s strategic direction and programme for water management for climate resilient agriculture.

ESSENTIAL DUTIES AND RESPONSIBILITIES

**Articulates** vision for harnessing rainwater (upwater), rivers (downwater) and ground water (undergroundwater) - (UDU) – for climate smart agriculture production

**Plans** and develops water management strategies for rain fed agriculture, irrigation and drainage, water recycling and hydrometeorology, including use of isotope hydrology in water resource management

**Designs** appropriate programmes for water harvesting to manage droughts and floods using rainwater harvesting and floodwater harvesting techniques, including catchment, conveyance and storage and supply system

**Investigates** water, soil and crop interactions for agricultural production

**Analyses** and implements appropriate waste water recycling programmes

**Studies** and promotes watershed protection and environmental water use and catchment protection programmes

**Defines** and initiates water conservation steps and programmes

*The above responsibility statements identify specific duties necessary to attain CARDI’s overall objectives while not precluding the job holder from carrying out other related activities that may be inherent in the job.*
REPORTING RELATIONSHIPS : Reports to the Manager, Science, Technology and Innovation through the CARDI Representative.

PERSONNEL SUPERVISED BY THIS POSITION INCLUDES:

<table>
<thead>
<tr>
<th>DIRECTLY</th>
<th>INDIRECTLY</th>
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</thead>
<tbody>
<tr>
<td>Research Assistant</td>
<td>Field Assistant</td>
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<tr>
<td>Graduate Assistant</td>
<td>General Worker</td>
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<tr>
<td>Field/ Laboratory Technician</td>
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<tr>
<td>Administrative Assistant</td>
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PRINCIPAL ORGANISATIONAL RELATIONSHIPS:

Internal: All departments within the Organisation

External: Government and Business organisations and Agencies associated with CARDI.

EXPERIENCE: A minimum of three years experience in progressively responsible position in water, irrigation, drainage and/or waste water recycling, including considerable supervisory responsibility at a senior management level; must have experience or knowledge of planning, research methodology, including data analysis, interpretation and dissemination of results; must be able to communicate clearly and concisely, both orally and in writing.

QUALIFICATIONS: The preferred candidate would have at least a Masters degree with specialisation in Civil Engineering (Water Resource Management) or Irrigation and Drainage Management or related subject.

Signature of Employee: .................................................. Date: .........................

Signature of Manager/Supervisor: ........................................ Date: .........................