





The outer islands of the Maldives already experience drinking water shortages during the dry season. These shortages have had significant adverse human, environmental and social impacts on the outer island communities. The key problems pertaining to freshwater security relate to the increasingly variable rainfall patterns induced by climate change and sea-level rise induced salinity of groundwater. A sea level rise and decreasing rainfall amounts will considerably compound current water stress in the country. The Government faces constraints in responding to the challenge at hand without assistance, especially in the context of anticipated impacts of climate change.

As water security is closely bound to rainfall and sea level rise in Maldives, the adaptation scenario will demand: (i) the rainfall collection capacity to increase at least threefold; (ii) groundwater controlled extraction and replenishment to keep water table levels high in order to buffer away saltwater intrusion; and (iii) increased water production capacity through desalination (Reversed Osmosis – RO technology), as to secure sufficient back up resource during the extended dry periods for household supply and timely distribution.

In response to this challenge, the proposed **project objective** is to deliver safe and secure freshwater to 105,000 people in the 49 target islands of Maldives in the face of climate change risks. This will be achieved by delivering the following **results**:

- a. Scaling up integrated water supply system to provide safe water to vulnerable households (at least 32,000 people, including 15,000 women);
- b. Decentralized and cost-effective dry season water supply system introduced benefiting 73,000 people across 7 Northern Atolls;
- c. Groundwater quality improved to secure freshwater reserves for long term resilience on 49 islands;

The project will provide sufficient water to supply the potable water needs of island residents year round for a 35 year design period to 2050. Project finance will be used to establish an integrated water resources management system that integrates the three main sources of water (rainwater, groundwater and desalinated water) into a least cost delivery system and which is able to maintain service levels against a context of rainfall variability and sea level rise and also includes measures for **groundwater quality recovery** to secure freshwater reserves in the long term.

Ultimately, the project will achieve an uninterrupted water supply on the islands that currently experience a 90 day chronic water shortage during dry season and depend on transported water from Malé, which is an extensive, overlong and costly operation. As a result of the project, **29 priority islands** will have **increased rainwater collection capacities**, out of which, **4 bigger islands** will additionally have water production systems of **water desalination** (Reverse Osmosis – RO water production plants), that will secure sufficient water production capacity enabling a decentralized and timely water distribution across all northern outer atolls during the extended dry periods, when shortages may occur.

Water stress alert information based on **forecasted meteorological information** will feed into the **Standard Operating Procedures (SOPs)** for system management, thereby protecting lives and livelihoods from environmental risks associated with climate change. This will also feed into strengthening the Meteorological - MMS services on reaching out to the communities actionable early warning information, and preparing the water utilities, island councils and the communities to receive







## F. QUALIFICATIONS AND EXPERIENCE

1. Minimum undergraduate degree in procurement/ commerce / finance/ business/ management/Economics or other related fields, with 7 years of work experience related to the scope of work specified in the TOR.

(Or)

2. Minimum Master's degree in procurement/ commerce / finance/ business/ management/Economics or other related fields, with 3 years of work experience related to the scope of work specified in the TOR.
3. Sound understanding of principles underlying good procurement practices and international agencies' procurement guidelines will be an added advantage.
4. Sound understanding of Government's procurement Regulations/Act and Public Finance Regulation will be an added advantage.
5. Specialized knowledge of and significant experience in all substantive areas/aspects of procurement (e.g. procurement of goods; various forms of construction contracts; selection/contracting of consultant services under various methods; preparation of bidding/contract documents for the international procurement of goods, works, services; public procurement policies; practices) will be an added advantage.
6. A high level of computer literacy is required. Familiarity with programs like Microsoft Office including Word, PowerPoint and Excel as required.
7. Should have strong leadership, management and communication skills in presenting, discussing and resolving difficult issues and have ability to work efficiently and effectively with a multidisciplinary team.

The successful individual must be willing to work for extended periods without direct supervision and travel routinely to islands within the catchment.

In addition, the individual's reputation of integrity and impartiality routed in independent from third parties shall be considered.

The short-listed candidate will be requested to participate in personal interviews and submit the names and contact details of personal referees who can attest to their ability.

The successful candidate must understand the objectives and delivery mechanisms of the projects portfolio. He/she must be willing to work in a team, be flexible to emerging or changing conditions, and undertake initiative in his/her broad field of actions.



