

Water Accelerator EOI Cover Page

Water Accelerator EOI submitted to the UNDP-WRC Water Innovation Challenge

PROJECT TITLE

xxx

Date

LEAD ORGANISATION

Name

Postal Address

Physical Address

PROJECT LEADER

Title, Name and Surname
Organisation and Department

Tel:

Fax:

Mobile:

Email:

[**LEAD ORGANISATION LOGO**]

[**PARTNER LOGO**]

[**PARTNER LOGO**]

Privileged or confidential information, disclosure of which may harm the proposer, must be clearly marked in the EOI to ensure that such information is not released to persons not involved in the review and evaluation of the proposal.

Ensure that any claims made in your EOI are quantified and substantiated.

The EOI should not exceed **10 pages**. Arial size 12 font, line spacing 1.15 and justified text should be used.

Table of Contents

1. List the category your technology falls in

- A. Water related alternative energy sources.
- B. Alternative sources of water.
- C. Non-Revenue Water.
- D. Water Reuse (Industrial/Domestic Wastewater/Greywater/Mine Water).
- E. Innovative low energy technologies to store/or treat water at households and local scales.
- F. Innovative decentralised low energy sanitation systems.
- G. Smart Water Conservation Demand Management (WCDM) devices for commercial buildings and/or households.
- H. Smart apps to support behavioural change and practice for consumers and their municipalities.
- I. Smart technologies to manage water distribution and sewerage systems.
- J. Smart and IoT innovations for water supply e.g. devices, drones, sensors
- K. Grassroot Innovations to Conserve, Reuse, Treat, and Supply Water
- L. Grassroot Innovations to support behavioural change and practice for water consumers and suppliers

2. Overview

A summary highlighting the underlying scientific principles behind the technology to be demonstrated, its development pathway and areas of application should be provided.

Highlight the innovative elements of the technology, its primary outputs and potential commercial value.

Provide a description of the logical basis behind the technology to be showcased as an innovative technology solution that will contribute to achieving the objectives of the RDI programme and the Sustainable Development Goals. This can include among others the following:

- *Purpose of technology (water savings, cost savings, significantly improved performance, disruptive innovation etc.);*
- *Design features (Inclusion of photos and diagrams would be useful during evaluation);*
- *Level of readiness for demonstration/stage of development;*
- *Target location (rural, peri-urban and/or urban).*

3. Previous demonstration/implementation

- Describe any previous demonstrations and/or technology implementations conducted in public or private facilities and include their results. You can focus on the following:
 - *Number of units installed;*
 - *Performance metrics;*
 - *Location of technology demonstration or implementation;*
 - *Scale of demonstration or implementation;*
 - *Partners involved;*
 - *Performance outputs.*

4. Budgetary Information

- Itemised budget estimate for technology demonstration or implementation to include:
 - *Fabrication and implementation costs (unit costs);*
 - *Operations and maintenance requirements – description of installation and maintenance needs of the technology;*
 - *In-kind (indicate monetary value) and/or financial resources that your organisation will contribute to the demonstrator.*

| No | Description | Current Budget | Price Per Unit/Site | No of Sites |
|----|-------------|----------------|---------------------|-------------|
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5. Project Management

- Provide a deliverable schedule that will be used to track the progress of the project with every deliverable milestone allocated a payment amount. The total estimated amount for the project including Value Added Tax (VAT) shall henceforth be referred to as the Contract Amount and may not be exceeded without prior written approval of the WRC and UNDP. Depending on the schedule of the project, progress meetings will be set up i.e. Bimonthly, Quarterly etc. between the funding beneficiary and the WRC and UNDP.

| 1. Budget Summary | | | | | |
|-------------------|--------------|--------------|-----------------|------------------------------------|--------------|
| Financial Year | HR (R) | Capital (R) | Operational (R) | Dissemination/ Uptake Activity (R) | Total (R) |
| 2020/2021 | R0,00 | R0,00 | R0,00 | R0,00 | R0,00 |
| 2021/2022 | R0,00 | R0,00 | R0,00 | R0,00 | R0,00 |
| Total (R) | R0,00 | R0,00 | R0,00 | R0,00 | R0,00 |

1. Deliverable Summary

Financial Year: 2020/2021

| No | Deliverable Title & Description | Target Date | Amount(R) |
|--------------|---------------------------------|-------------|--------------|
| 1 | Upfront Payment (40%) | | R0,00 |
| 2 | | | R0,00 |
| 3 | | | R0,00 |
| 4 | | | R0,00 |
| 5 | | | R0,00 |
| Total | | | R0,00 |

Financial Year: 2021/2022

| No | Deliverable Title & Description | Target Date | Amount(R) |
|--------------|---------------------------------|-------------|--------------|
| 6 | | | R0,00 |
| 7 | | | R0,00 |
| 8 | | | R0,00 |
| 9 | | | R0,00 |
| 10 | Final Report | | R0,00 |
| Total | | | R0,00 |

Grand Total:

R0,00

6. Legal

- Brief description of existing and anticipated intellectual property protection and other related matters:
 - *Is the technology patented;*
 - *Is the product licensed;*
 - *Are partnerships or benefit sharing agreements required/in place;*
 - *Are non-disclosure agreements required/in place?*

7. Market Relevance

- Description of the market potential for the technology:
 - *Market need;*
 - *Target market;*
 - *Competitive technologies (existing technologies that meet the market need, list their shortcomings) and how demonstration of the technology will provide an opportunity for either a competitive solution or a competitive substitute;*
 - *Anticipated impact of the technology (describe, where relevant, the political, economic, social, technological, environmental and/or legal impacts of the project).*

8. Communications and Marketing

- Describe any efforts that have been undertaken to market the technology locally and internationally. If none, a clear marketing and communications plan will add value to the proposal. Plans for human capital development and potential for SMME growth will also strengthen proposals.

9. Proposal Submission

- Applications must include in a separate word document, a brief motivation on why the applicant should be considered for the programme, contact information, and evidence supporting the selection criteria highlighted in this call (maximum 2 pages/1000 words).

The deadline for submitting the EOI in PDF format is close of business on Thursday, 02 September 2020. No late applications will be considered. The Completed EOI in PDF format should be emailed to Dr Manjusha Sunil on manjushas@wrc.org.za AND Ms Klariska Moodley on acceleratorlabs.za@undp.org.

10. Queries

Any queries can be addressed to Dr Manjusha Sunil (WRC) or Ms Klariska Moodley (UNDP)

Dr Manjusha Sunil

Manager: Water Technologies Demonstration Programme

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Tel: 012 761 9310/Mobile: 083 286 8238

Ms Klariska Moodley

Head of Experimentation: UNDP Accelerator Programme

Tel: 012 354 8097

Email: acceleratorlabs.za@undp.org