Water Advisory Initiative

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Sustiknow Advisory Private Limited

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1. Executive Summary

The Water Advisory Initiative by Sustiknow Advisory aims to tackle critical water management issues in India through a comprehensive approach centred on three themes: **Water for Justice**, **Water for People**, and **Water for Prosperity**. The project seeks to ensure equitable access to water, enhance water quality, and promote sustainable practices. Unique selling points include the integration of advanced technologies such as IoT for smart water management and a focus on community engagement. The total budget is estimated at ₹18.04 crore, with a project timeline spanning 36 months.

2. Project Background

India faces significant water management challenges, including inequitable access, declining groundwater levels, and inefficient usage patterns. Statistics indicate that the average annual per capita water availability is projected to decrease from 1,486 cubic meters in 2021 to approximately 1,367 cubic meters by 2031 due to population growth and overexploitation of resources. This project is timely as it addresses these urgent issues while promoting sustainable practices essential for future resilience.

3. Project Goals and Objectives

Goal: To improve water management practices in India to ensure equitable access and sustainable use of water resources.

Objectives:

- Ensure equitable access to water resources for marginalized communities by 2026.
- Enhance the quality and availability of water supply across urban and rural areas by implementing smart management systems by 2025.
- Promote sustainable agricultural practices that reduce water consumption by 20% by 2027.

4. Project Activities

Key activities include:

- Conducting comprehensive water audits to assess current usage.
- Implementing rainwater harvesting systems in targeted communities.
- Developing infrastructure for wastewater treatment and reuse.
- Introducing smart water management systems using IoT technologies.

The methodology will involve stakeholder engagement, data collection on hydrological patterns, and statistical analyses to evaluate water quality and usage trends.

5. Expected Outcomes and Impact

Expected results include improved access to clean water for underserved populations, enhanced community resilience against climate variability, and increased agricultural productivity. The project aims to significantly reduce water wastage and improve public health outcomes through better water management practices.

6. Project Timeline

A Gantt chart will visualize the project's phases:



Phase 1: Water Audit (3 months)

Phase 2: Development of Strategies (4 months)

Phase 3: Implementation of Interventions (12 months)

Phase 4: Public Awareness Campaign (6 months)

Phase 5: Monitoring & Evaluation (12 months)

7. Sustainability Plan

The project will be sustained beyond initial funding through community ownership models, partnerships with local governments, and potential revenue from treated wastewater reuse. Long-term funding sources may include government grants and private sector investments.

8. Evaluation Plan

Monitoring will employ quantitative methods such as surveys and data analysis to track progress against key performance indicators (KPIs), including:

- Reduction in water wastage
- Improvement in community engagement levels
- Economic impacts measured through increased agricultural productivity

9. Organizational Capacity

Sustiknow Advisory possesses extensive experience in implementing similar projects with expertise in hydrology and community engagement strategies.