



PROJECT INITIATION REPORT

PROJECT DETAILS

Project Name	TEST_113
Location	Cape Agulhas Local Municipality
Sector	Ecological
Department	Department of Social Development
Project Owner	Poonam Yawalkar
Project Manager	Poonam Yawalkar

BACKGROUND & JUSTIFICATION

Rapid urbanisation, climate change, and historical land-use practices have resulted in significant ecological degradation and increasing pressure on existing infrastructure systems. Degraded ecosystems, including wetlands, river systems, forests, and coastal areas, have reduced their capacity to provide essential services such as flood regulation, water purification, soil stability, and biodiversity support. At the same time, ageing and climate-vulnerable infrastructure has increased risks to communities, economic activities, and public service delivery.

Traditional infrastructure development approaches have often treated environmental protection and infrastructure delivery as separate processes. This has led to unintended consequences such as habitat loss, increased flooding, water scarcity, higher maintenance costs, and reduced resilience to climate-related shocks. There is a growing recognition that infrastructure investments must be designed and implemented in harmony with natural systems to ensure long-term sustainability, cost-effectiveness, and environmental protection.

PROJECT SCOPE

1. Project Initiation & Planning

- Establish project governance, management structures, and reporting mechanisms
- Stakeholder identification and engagement, including government entities, communities, and private partners
- Review of relevant policies, legislation, and planning frameworks
- Development of detailed project implementation plan and work schedule

2. Baseline Assessments & Studies

- Environmental baseline assessments (land, water, biodiversity, soil, and ecosystems)
- Climate risk and vulnerability assessment
- Socio-economic and community needs assessment
- Infrastructure condition and capacity assessment
- Identification of priority restoration and infrastructure intervention areas

3. Integrated Design & Technical Planning

- Preparation of integrated ecological restoration and infrastructure master plans
- Development of nature-based and green infrastructure solutions
- Engineering designs incorporating low-carbon and climate-resilient principles
- Alignment with spatial development frameworks and municipal plans
- Cost estimation, phasing, and lifecycle cost analysis

4. Ecological Restoration Works

- Reforestation and rehabilitation using indigenous vegetation
- Wetland, riverbank, coastal, and catchment restoration
- Soil stabilization, erosion control, and land rehabilitation
- Invasive species removal and biodiversity enhancement
- Establishment of ecological corridors and buffer zones

5. Sustainable Infrastructure Development

- Construction or upgrading of climate-resilient public infrastructure
- Implementation of green roads, drainage, and stormwater systems
- Integration of renewable energy and energy-efficient systems
- Water-efficient infrastructure including harvesting, reuse, and treatment systems
- Use of environmentally sustainable construction materials and methods

OBJECTIVES & KEY FOCUS AREAS

OBJECTIVE	KEY FOCUS AREA
Infrastructure & Governance & Standards (IMC ITC RPG)	• Prioritising Infrastructure for Maximum Impact • Strengthening Municipal Infrastructure • Enhancing Private Sector Partnerships • Innovation & Futures Planning • Addressing Climate Change & Sustainability
Infrastructure linked to 5yr plans & their respective APPs, AOP's & AR's	• Strengthening Municipal Infrastructure • Enhancing Private Sector Partnerships
Infrastructure Monitoring & Evaluation	• Prioritising Infrastructure for Maximum Impact • Strengthening Municipal Infrastructure • Innovation & Futures Planning

PROJECT TIMELINE & COST

Estimated Duration	7 Year(s) & 6 Month(s)
Estimated Start Date	31 Jan 2026
Estimated Amt	R 17,519,534

SUBMISSION & APPROVAL

Self Approved By: **Poonam Yawalkar**
Self Approved On: **30 Dec 2025 05:39:57 AM**

Submitted By	
Submitted On	
Signed By	
Approved On	