

NKANGALA ECONOMIC DEVELOPMENT AGENCY



APPOINTMENT OF A SERVICE PROVIDER TO MANUFACTURE, SUPPLY, AND DISTRIBUTE WATER TREATMENT CHEMICALS, INCLUDING THE PROVISION OF TECHNICAL EXPERT ADVISORY SERVICES FOR THE ESTABLISHMENT OF A CHEMICAL MANUFACTURING PLANT WITHIN NKANGALA DISTRICT JURISDICTION FOR THE NKANGALA ECONOMIC DEVELOPMENT AGENCY (NEDA) FOR A PERIOD OF 3 YEARS

SCOPE OF WORK

1. OBJECTIVE

The Nkangala Economic Development Agency (NEDA) seeks to appoint a qualified and experienced service provider for the manufacture, supply, and distribution of water treatment chemicals and the technical establishment of a fully operational chemical manufacturing facility within the Nkangala District Municipality. This engagement also includes the design and setup of warehousing infrastructure, facilitation of necessary regulatory and industry accreditations, and technical skills transfer to NEDA personnel.

The ultimate goal is to capacitate NEDA in chemical manufacturing operations and supply chain management, ensuring long-term sustainability and service delivery to local municipalities and public-sector clients.

2. KEY DELIVERABLES

The service provider will be responsible for delivering the following across three structured phases:

Phase 1: Manufacturing, Supply, and Distribution of Water Treatment Chemicals

In this phase, the appointed service provider will be responsible for the manufacture, supply, and delivery of a comprehensive range of water treatment chemicals and laboratory reagents. These include key substances such as sodium hypochlorite, coagulants, flocculants, various forms of lime, chlorine, and ferric chloride. The supply must meet the operational needs of water treatment plants across multiple municipalities.

In addition to bulk chemicals, the service provider must also deliver a variety of specialized laboratory reagents and consumables, such as DPD tablets, TNT vials, powder pillows, and calibration standards. These products must meet strict quality requirements and be suitable for use with established laboratory equipment, including HACH and IDEXX systems.

Transport and distribution services form a critical part of this phase. The service provider must ensure the safe and timely delivery of chemicals to sites within the Nkangala District, across Mpumalanga, and into neighbouring provinces, using vehicles that comply with hazardous materials transport standards. The service provider will also be required to conduct jar tests at designated water treatment plants and compile detailed reports based on the results. These tests must follow a standard procedure, and the results must demonstrate compliance with key performance indicators—specifically, turbidity levels of ≤ 3 NTU and aluminium concentrations of ≤ 0.3 mg/L.

Phase 2: Warehouse Design, Setup, and Operation

The second phase involves the design, establishment, and operationalization of a dedicated warehouse facility for the safe storage and management of water treatment chemicals. The service provider will develop architectural and engineering designs for the warehouse, ensuring full compliance with occupational health and safety (OHS) regulations and environmental requirements. This includes fire safety system design and documentation of hazardous material containment provisions.

Once the design is approved, the provider will be responsible for procuring and installing the necessary warehouse equipment. This includes pallet racking systems, spill containment kits, and ventilation or climate control systems to maintain safe storage conditions for sensitive chemicals.

To support efficient operations, the service provider will also implement a basic inventory management system. This will include the development of an Excel-based reporting dashboard, forecasting modules, and the provision of barcode scanners to support stock tracking and reporting.

As part of its responsibilities, the provider must also draft and implement safety and environmental protocols for the warehouse. A formal risk assessment and an emergency response plan must be developed in line with industry standards and local regulations.

Phase 3: Feasibility Study for the Establishment of a Water Treatment Chemical Production Facility

The final phase of the project focuses on evaluating the potential for establishing a chemical manufacturing facility within the Nkangala District. The service provider will be tasked with developing a detailed feasibility study that includes economic modelling, operational planning, and a full business case for the proposed facility.

This work must be supported by preliminary engineering designs, including site layout and floor plans. The provider must also initiate and manage the environmental regulatory process, including the compilation of a compliance report and coordination of the Environmental Impact Assessment (EIA). A key deliverable under this phase will be the development of a strategy and roadmap for obtaining relevant product and system certifications. These include national and international standards such as NSF/NSI/ANSI, ISO 9001, and ISO 17025. The service provider will also assist in the preparation and submission of the necessary applications to begin the certification process.

3. CONTRACT PERIOD

The duration of this project in thirty-six (36) months after the signing of a contract by the successful service providers.

4. CONFIDENTIALITY OF INFORMATION

The service provider is expected to safeguard the confidential information disclosed pursuant to content shared with the service provider.

5. CONCLUSION

- Any false information given by the service providers, late submission of quotations and not meeting the minimum qualifying requirements will lead automatic disqualifications of the service providers.
- All conditions and requirement included in the terms of reference shall serve as a contract between the Agency and the successful service provider. Moreover, the appointment letter will also include conditions and requirements in addition to all included herein the terms of reference. Conditions and requirements in both the terms of reference and appointment letter shall remain fixed and binding for the period of the assignment and unless where stated otherwise