REQUEST FOR PROPOSAL

PROVIDE TURNKEY DESIGN, PROJECT IMPLEMENTATION, CONSTRUCTION, CONSTRUCTION MANAGEMENT SERVICES AND COMMISSIONING OF A 48 HOUR WATER BACKUP SYSTEM FOR AUCKLAND PARK KINGSWAY CAMPUS, FOR THE UNIVERSITY OF JOHANNESBURG (UJ).

SPECIFICATIONS

1. General

The University of Johannesburg (UJ) cordially invites you to submit a proposal for the provision of a turnkey design, project implementation, construction and construction management and commissioning services, as detailed below, to UJ – Tender Office; on the premise as referred to below.

The request for you to provide the turnkey design, project implementation, construction and construction management and commissioning services to the University of Johannesburg is based upon the following details provided.

2. Scope Description

2.1 Project Title: 48-Hour Water Storage Backup System

The project calls for a suitable supplier that can provide turnkey design, project implementation, construction and construction management and commissioning services to facilitate the University of Johannesburg's 48-Hour Water Storage Backup System that is to be located at the UJ Auckland Park Kingsway Campus.

2.2 Project Specification

2.2.1 Scope of Requested Service

The University of Johannesburg requires that the turnkey project, whose high-level specifications are presented below, be developed in line with best practices and where applicable that the successful tenderer would provide the requisite professional sign off on those parts of the project (e.g. civil structures if required) that require such sign off in terms of any regulatory agency.

The University of Johannesburg requires that the 48-hours water storage plant on the APK campus, whose high-level specifications are presented below, be constructed, and commissioned and that the successful tenderer would provide the requisite warranties on all work performed in line with SA national construction standards.

2.2.2 Client

The client for this project is the University of Johannesburg, represented by the Sustainability and Utilities Projects (SUP) team and Central Technical Services (CTS) team, both situated at UJ on Empire, cnr Barry Hertzog and Napier roads, Richmond, Johannesburg.

3. Successful Tenderer's Responsibility

The successful tenderer and his team must ensure that the following essential services that may be deemed necessary for the speedy execution of the project are included in the provided proposal:

- Provision of needed design (and professional design where applicable) that provides the necessary 48-hour water storage requirement of 1.25 Ml as well as all the necessary equipment, civil works, and structures (if required), instrumentation, piping, control equipment and electrical supply and distribution equipment.
- Ensure that component sizing – based on usage data provided by UJ at the formal site briefing but at least based on 750kl flowrates per day (average) – below is correct and adequate for at least a 20% increase in flow rates.
- Provide necessary drawings for approval by the UJ team prior to commencement of procurement and/or any site work.
- Ensure compliance with all applicable regulations for water storage and use.
- Provide all contracting inputs required for cost reporting, project performance reporting, construction reporting, commissioning and connection to the city water reticulation as required by the UJ team on at least a monthly basis during the construction phase.
- Competently manage the communication with the UJ team.

4. Estimated Timeline and Budget for Project

- Procurement process and request for proposals Mar – May 2024
- Appointment of successful tenderer June 2024
- Complete approved design Jul 2024
- Construction Aug – Nov 2024
- Project Completion and Close-Out Dec 2024 – Jan 2025

The project execution will be in the 2024 financial year or the APK Water Storage project – using the Strategic Initiative Funds or funds specifically allocated to the project from the COO and/or the CFO.

5. Legal Compliance

All work to comply with the Occupational Health and Safety Act (Act 85 of 1993) and all sub-regulations. All work is to be carried out in accordance with the requirements set out in the SANS 10400 – National Building Regulations and relevant SANS regulations applicable to a project of this nature.

6. Commencement of Work

The successful tenderer is to commence work within seven (7) days from the issue of an official purchase order from UJ and the signature of the relevant JBCC Contract for the Construction Works.

7. Scope of Services

High-Level Objectives:

1. Design, supply, and commission the 48-Hour Water Backup Storage System for Auckland Park Kingsway Campus.
2. The system needs to operate for at least 48 hours when either of the two municipal water supply lines along Hampton Road are disrupted.
3. Provide water for the Auckland Park Kingsway Campus population during water interruptions due to supply disruptions of network area shutdowns by City Water for maintenance.
4. The new 1.25 Ml storage facility must include the following items.
    - A 1.25 Ml storage facility using at most 4 separate storage facilities – in the case of multiple storage facilities cross pumping to ensure adequate water stirring (to prevent stagnation) must be included using an automated system.
    - Connection of the new 1.25 Ml to the existing 250kl storage facility near Gate 4 (Hampton Road)
    - Connection from the 1.25 Ml storage facility to both the APK main water supply and the Lebone / Thomas Sankara water supply line
    - Provide for cross supply from either of the two existing water supply connections along Hampton Road into the 1.25 Ml storage facility.
    - Provision for ensuring potability of the stored water.
    - Allowance for pumping into the storage facility from road tanker water supplies entering either from Hampton Road or Gate 6 near the Helen Joseph Hospital
    - Automated recording of the following
        - water usage / supply
        - levels in the 250kl and 1.25 Ml storage facilities
        - water supply from water tanker connection (inflow and outflow)
    - Automated warning of the following conditions at least

- excessively high-water usage rate on either the main campus or Lebone / Thomas Sankara lines
- low water levels in the 250kl and the 1.25 Ml storage facilities – to enable sufficient time to order commercial road tanker water.
- reduced or zero water inflow to the campus from either or both of the present supply lines.
- reduced water pressure on the supply lines below a settable level – to determine managed city water flow restrictions.

  - Allowance for a minimum 5% storage below the lowest take-off point to ensure that the fire water supply is not affected.

5. The system should provide measures to ensure that water remains potable according to applicable standards and legislation, such as SANS 241 and Water Service Act No 108 of 1997.
6. The system should incorporate energy efficient equipment where possible.
7. Equipment should be able to be maintained on a generic basis in the long term and not be limited to either a supplier or OEM only maintenance contract.
8. The provision of a minimum 12-month warranty and support guarantee period by the main supplier for all supplied equipment and piping – this includes items such as consumables e.g. filters and / or chemicals should they be included in the solution.
9. The design should consider the integration of the storage facility with the present APK fire water supply if possible.

10. Project implementation to be strictly managed within the available budget and agreed schedule.

Location:

AUCKLAND PARK KINGSWAY CAMPUS

APK Campus Main Entrance:

Item	Location	Details of Work
1	APK Campus	To design and implement a 48 Hour Water Backup Storage System

The current water supply feed is located at APK Entrance number 4 (Hampton Road) as well as the secondary water supply that connects the City Water to the Lebone / Thomas Sankara residences (cnr Hampton and Dutton roads).

8. Pricing Schedule

The proposals should clearly indicate:

1. Equipment of a specialist nature to be supplied and costing (e.g. water stirrers or UV dosing plants)
2. Any civil works to be developed and costing.
3. Any structural works required and costing.

4. Piping and instrumentation as required and costed separately.
5. Electrical motors and water pumps as required and costed separately.
6. Any switchgear / distribution boards and automation as required and costed separately.

9. Contractual Agreement

The successful supplier must be willing to enter into a JBCC Contract with specified UJ Amendments – a copy of which will be available to all suppliers attending the site briefing. Furthermore, if the supplier makes use of external consultants for any design development any agreement between themselves and the consultants must follow a standard PROCSA agreement which must be furnished to the UJ if requested.

10. Proposal Evaluation Conditions

The fee proposal will be evaluated using the following criteria:

- Price 80 Points
- B-BBEE 20 points

10.1 Functionality Evaluation

In keeping with the University's policy of operating, maintaining, and continuously improving its first-class facilities, it is imperative that the appropriate service providers be sourced to match the requirements. To achieve this, the following functionality criteria is introduced to score the submitted proposals. For the fee proposal to be considered, the consultant must achieve a minimum score of 70 for functionality as stated below.

Please note that only the Professional Consulting bids that meet the minimum criteria of 70 points for functionality will be further considered for evaluation of their fee proposal.

10.2 Functionality Evaluation Matrix

Area	Criteria	Points per Item	Max Scoring Points
Relevant Experience Schedule	No similar projects within the past 5 years. **Reference letters must be submitted for each project listed.** • 3 similar projects (18) + references (12) • 4 similar projects (24) + references (16) • 5 + similar projects (30) + references (20)	30 points 40 points 50 points	50
Project Brief/Plan	Understanding of the project • Understanding the requirements. Provide a 1-page brief of your understanding of the requirements (5)	5 points	30

	• Summary of the design includes the type of equipment to be used, incorporate energy efficient equipment and general configuration (5). • Summary of measures to put in place to ensure that water will always be safe for a drink, reference relevant standards, such as SANS 241 and Water Service Act 108 of 1997 (5). • Summary to indicate how this will affect fire and irrigation water supply (5). • Intended execution (approach) of the project. Provide a 1-page brief of how you intend to execute the project from inception to close-out (5) • Work-plan indicating timelines and project duration (5)	5 points 5 points 5 points 5 points 5 points	
Project Team	List of the key personnel proposed for the project which must include: • The contractor team leader (including the verified copy of qualifications and number of years of post-qualification experience). Overall Team Review: • Key personnel's qualification certificates • Key personnel's professional registration • Key personnel's experience of similar work. • Provide a short CV's of each of the key personnel that will be assigned to the project.	15 points	15
Project Organogram	Provide an organogram chart indicating key personnels' position's and role's in the project.	5 points	5
Total			**100**

Table 1: Functionality Matrix

11. List of Returnable Documents

1. B-BBEE Certification
2. SARS Accreditation documentation and Tax Clearance certification.
3. Accredited as a UJ Supplier confirmation.
4. Relevant Experience Schedule **(please refer to 10.2 – Functionality Matrix)**
5. Project Brief / Plan **(please refer to 10.2 – Functionality Matrix)**
6. Project Team, list of key personnel including qualified & registered professional personnel **(please refer to 10.2 – Functionality Matrix)**
7. Schedule of Expertise **(please refer to 10.2 – Functionality Matrix)**
8. Pricing Schedule indicating items listed in section 8 above.
9. Project Team Organogram **(please refer to 10.2 – Functionality Matrix)**

Pricing Schedule

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TURNKEY COSTS					
Item	**Activity Description**	**Unit**	**Qty.**	**Rate**	**Amount**
1	Total design and construction costs	Sum			
2	Additional training and maintenance materials	Sum			
3		Sum			
4	***Sub Total***				
5	***15% Value added Tax***				
6	***TOTAL COST (including VAT)***				