

From B: Format of Curriculum Vitae for Proposed Personal Staff

Proposed Position: _____

Name of Firm: _____

Name of Staff: _____

Profession: _____

Date of Birth: _____

Years with Firm/Entity: _____ Nationality: _____

Membership in Professional Societies: _____

Detailed Tasks Assigned: _____

Key Qualifications:

[Give an outline of staff member's experience and training most pertinent to tasks on assignment. Describe degree of responsibility held by staff member on relevant previous assignments and give dates and locations. Use about half a page.]

Education:

[Summarize college/university and other specialized education of staff member, giving names of schools, dates attended, and degrees obtained. Use about one quarter of a page.]

Employment Record:

[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held, and locations of assignments. For experience in last ten years, also give types of activities performed and Employer references, where appropriate. Use about two pages.]

Languages:

[For each language indicate proficiency: excellent, good, fair, or poor in speaking, reading, and writing.]

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

_____ Date: _____

[Signature of staff member and authorized representative of the firm] Day/Month/Year

Full name of staff member: _____

Full name of authorized representative: _____



Section 4.2

In order for a joint venture of two or more legal persons to be accepted as eligible:

- These persons shall have nominated a leader with authority to bind the joint venture and each of these persons; and this leader shall be authorized to incur liabilities and receive instructions for and on behalf of any and all these persons.
- Evidence of this authorisation shall be submitted with the tender in the form of a power of attorney signed by legally authorised signatories of all these persons
- The contract agreement must be signed so as to be legally binding on each of these persons
- A copy of the agreement entered into by these persons shall be submitted with the Tender. This agreement shall state (i) each such person's percentage participation in this joint venture, and (ii) that these persons shall be jointly and severally liable to the Employer for the performance of the Contract.

No such person or sole Tenderer shall participate in the preparation of another Tenderer's Tender for the same Contract. If any entity is found to have participated in two or more Tenders, other than alternative Tenders from the same tenderer, all such Tenders will be rejected.

However, any entity may be proposed as a prospective sub-contractor by more than one tenderer in addition to being either a sole tenderer or a participant in one joint venture tenderer.



SECTION 5: AGREEMENT

This Agreement, made on the.....day of, 20... between

The Eswatini Water Services Corporation

of

**Emftonjeni Building
Below Gables Shopping Complex
Corner (MR 103) and Cultural Village Road
Ezulwini**

(Hereinafter called "the Employer")

and

.....

of

.....

.....

.....

.....

(hereinafter called "the Contractor") of the other part.

The Employer desires the execution of certain works known as the
**SUPPLY AND INSTALLATION OF POTABLE WATER QUALITY MONITORING
SYSTEMS FOR SELECTED SITES**



CONTRACT AGREEMENT

This Agreement made the _____ day of _____ Between _____ of _____ (Hereinafter called "the Employer") of the one part and _____ of _____ (hereinafter called "the Contractor") of the other part.

Whereas the Employer desires the works known as _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of these works and remedying of the defects therein,

The Employer and the Contractor agree as follows:

- 1) In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract herein after referred to.
- 2) The following documents shall be deemed to form and be read and construed as part of the Agreement:
 - a) The Letter of Acceptance;
 - b) The Employer's requirements
 - c) The Conditions of Contract
 - d) The Terms of Reference (Refer to Section 5)
 - e) The Financial Bid (Refer to Section 4)
 - f) The Technical Bid (Refer to Section 3)
 - g) Addenda nos: _____
- 3) In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to design, execute and complete the Works and remedy any defects therein in conformity with the provisions of the contract.
- 4) The Employer hereby covenants to pay the Contractor, in consideration of the design, execution and completion of the Works and the remedying of defects therein, the final Contract Price at the times and in the manner prescribed by the Contract.



In Witness whereof the parties hereto have caused this Agreement to be executed the day and year first before written in accordance with their respective laws.

SIGNED by: _____ SIGNED by: _____

For and on behalf of the Employer in the presence of :

Witness: _____

Witness: _____

Name: _____

Name: _____

Address: _____

Address: _____

Date: _____

Date: _____



SECTION 6: GENERAL CONDITIONS OF CONTRACT

General Conditions shall be those of the
"Conditions of Contract for EPC/TURNKEY first edition 1999, with further
amendments,

Prepared by the

Fédération Internationale des Ingénieurs- Conseils (FIDIC).

These conditions are subject to the variations and additions set out in Section 7 Hereof
Entitled "Special Conditions of Contract."

Copies of the FIDIC Conditions of Contract can be obtained from:

FIDIC Secretariat
P.O. Box 86
1000 Lausanne 12
Switzerland
Facsimile: 41 21 653 5432
Telephone: 41 21 653 5003



SECTION 7: SPECIAL CONDITIONS OF CONTRACT

References from Clauses in the General Conditions:

1. Clause 1.1.3.3&8.2-Time for Completion of the works: 2 Months
2. Clause 1.1.3.7 & 11.1- Defects Notification Period: 365 days
3. Clause 1.3-Electronic systems for communications: E-mail:
procurement@swsc.co.sz
4. Clause 1.4-Laws & Languages: Governing Law: Law of the Kingdom of Eswatini
Ruling language: English
5. Clause 4.2- Performance Security: 10% of contract amount in the form of local Bank guarantee or local insurance bond
6. Clause 4.4- Notice of subcontractors: At least 28 days' notice
7. Clause 8.7/12.4 & 14.5 (d)- Delay/performance damages 0.02% of the contract price per day
8. Clause 14.3(c) – Retention: 10%
9. Clause 17.6- Limitation of liability: Contract amount
10. Clause 18.1- Employer's insurance (if any). Evidence of insurances: Within 25 days



SECTION 8: TERMS OF REFERENCE & SPECIFICATIONS

8.1 SCOPE OF WORK & TECHNICAL SPECIFICATIONS

The Eswatini Water Services Corporation (EWSC) is a body corporate duly established under the Water Services Corporation Act No.12 of 1992 as the sole provider of water services in the urban areas (water supply, and sewage treatment and disposal).

It is in EWSC's best interest to achieve its mandate in a cost-effective manner. For EWSC to be cost effective, it means there should be no wastage of produce and operations must be optimized and controlled as best as possible. This will ensure that services we provide are affordable to the public.

It is in that regard that the EWSC intends to install reliable and durable reservoir level monitoring and pump control system for selected sites. These sites are situated throughout the country as per attached appendix.

	Description	Quantities	Unit Cost	Total Sum
1	Supply of System			
1.1	Supply Wireless, battery-powered level measuring device for remote applications	26		
1.2	Supply of Pump Control Integration System	10		
1.3	Supply Web based Monitoring Platform with 40 access licenses.	1		
1.4	Supply of spare battery units	10		
2	Installation of System			
2.1	Installation of wireless level measuring device	26		
2.2	Installation and Configuration of Pump Control Control Integration System	10		
2.3	Configuration of Web based Monitoring Platform	1		
3	Licenses			
3.1	System Access Licenses for a year	40		



	Description	Quantities	Unit Cost	Total Sum
4	Commissioning and Training	1		
5	One Year Maintenance Plan	1		
	SUB-Total			
	VAT			
	Total			
6	Other Rates			
6.1	Traveling	E/kM		
6.2	Accommodation	E/Night		

8.1.1 Scope of Work

This project is planned for the Procurement of an online reservoir level and pump control system which includes an advanced data acquisition terminal. The data acquisition system shall be web based with adequate storage capacity. The system shall at least comprise of the following:

- i. Wireless radar level sensors – The sensors must be of the following
 - Easy installation and fast commissioning in the cloud
 - Customizable usage through different digital services
 - Cellular radio LTE-M, NB-IoT and 2G and/or other available locally.
 - Replaceable battery, standard size, lithium
- ii. Web based SCADA with;
 - visualization, dashboards, data processing, etc.
 - Trending, reporting, alarms, notifications, etc.
 - Data Integration and Data Fusion
 - Flexible, Scalable and Intuitive
- iii. Pump control field integration units linked to web-based SCADA and easily configuration.
- iv. Must have Trending, reporting, alarms, and preset notifications.

8.1.2 General Specification

8.1.2.1 The desired online parameters required to be monitored and displayed are reservoir level in percentage. These are to be monitored from forty (40) Access points.

8.1.2.2 All instruments must be operated according to the plug & measure principle. All measurement systems shall consist of standardized latest technology products are ready for use without the need for complex initial procedures on site.

8.1.2.3 All instruments should be pre-calibrated.

8.1.2.4 All instruments must have auto-diagnosis procedures are used to ensure best possible operation.

8.1.2.5 Complete supply, installation and commissioning shall be in the bidder's scope. All manpower and tools etc., software required shall be in the bidder's scope.

8.1.2.6 Laying of all cables for installation and commissioning of pump control interface shall be in bidder's scope of work and pricing.

8.1.3 The Scope of Works under the package shall include:

8.1.3.1 The supply is including packing, transportation, insurance, custom clearance, port clearance and handling, inland transportation, inland transit insurance and delivery to site, installation, testing and commissioning of equipment and provision of training of EWSC officials.

8.1.3.2 Maintenance of system for a period of one (1) year from the date of commissioning of the station.

8.1.4 Quality Assurance and Control Through Sensor Calibration

The Service Provider is required to perform regular calibration and adjustment of Instruments using traceable standards as available.



8.1.5 Calibration Frequency

All instruments shall be calibrated at frequencies no longer than 3 Months by the supplier.

8.1.6 Traceable Standards

The Service Provider will use portable meters for calibration of the sensors and the calibration be traceable to ISO standards.

8.1.7 Data Analysis

- Data enquiry over several days
- Daily statistics enquiry
- Strip charts of the daily statistics.

8.1.8 Visualization of Data

- Enquiry of data in table form
- Enquiry of data in graph form

8.1.9 Communication and Data Presentation/Display

- The level sensors and the pump control interface should at least be interfaced with a GSM/GPRS communication modem to seamlessly transmit the data from remote place via the cloud for display on the web-based monitoring platform (SCADA).
- The communication to the system should be two way for ability to view settings and make changes to the configurations as and when required.

8.2 Warranty

8.2.1 The manufacturer must warrant that the product supplied is free of material and manufacturing defects and undertake the obligation to repair or replace any defective parts at zero cost.

8.2.2 The warranty period is 12 months from delivery date.

8.2.3 With the exclusion of the further claims, the supplier is liable for defects including the lack of assured properties as follows: all those parts that, within the warranty period calculated from the day of the transfer of risk, can be demonstrated to have become unusable or that can only be used with significant limitations due to a



situation present prior to the transfer of risk, in particular due to incorrect design, poor materials or inadequate finish will be improved or replaced, at the supplier's discretion.

8.2.4 The identification of such defects must be notified to the supplier in writing without delay, however at the latest 7 days after the identification of the fault. If the customer fails to notify the supplier, the product is considered approved despite the defect.



Annexure 1

ELIGIBILITY CRITERIA IN TERMS OF THE PROCUREMENT ACT 2011	
Bidder: Date:	
JV Partner:	
LEGAL REQUIREMENT	RESPONSE/EVIDENCE
Our firm has the legal capacity to enter into the contract	Certificates of incorporation, Forms C and J, Trading licences Power of attorney.
Our firm is not insolvent, in receivership, bankrupt or being wound up. Its affairs are not being administered by a court or a judicial officer, its business activities have not been suspended, and it is not the subject of legal proceedings for any of the foregoing	Audited financial statements for the past three years enclosed. Confirmation by signature of authorised signatory: i.....
Our firm has fulfilled its obligations to pay taxes and social security contributions	Valid tax clearance certificate for Government and parastatal tenders enclosed SNPF Compliance Certificate
It adheres to basic labour legislation viz; in respect to satisfactory, safe and healthy conditions.	Labour Compliance Certificate enclosed
Our firm, or any of its directors/key personnel do not have any conflict of interest in relation to the procurement requirements and do not have circumstances in which we can benefit whether directly nor indirectly from the procurement process.	Confirmation by signature of authorised signatory: i.....
Our firm, or any of its directors/key personnel or officers, have not been convicted of any criminal offence relating to professional conduct or the making of false statements or misrepresentations as to its qualifications to enter into a procurement contract within a period of five years preceding the commencement of procurement proceedings	Confirmation by signature of authorised signatory: i.....
Our company and none of its directors or officers have been suspended from participating in the tendering process by SPPRA for the reasons specified in Section 56 of the Act	Confirmation by signature of authorised signatory: i.....
Our company and its directors and officers are not a government owned entity, are not public officers or politicians as defined in Section 60 of the Act	Confirmation by signature of authorised signatory: i.....
SWSC bid document purchase receipt	Enclosed



Annexure 2

