THE UNITED REPUBLIC OF TANZANIA MINISTRY OF WATER





SHINYANGA WATER SUPPLY AND SANITATION AUTHORITY

P.O. Box 298, Shinyanga, Telephone: +255 028 2762073 Email: info@shuwasa.or.tz, md@shuwasa.or.tz

Prequalification Documents

for Procurement of

Construction of Shinyanga Potable Water Distribution Systems and SHUWASA Head Quarter Office Building

Issued on: June 2023

Invitation for

Prequalification No.: AE/046/2022-2023/AFDP/W/01

IPC No.: AE/046/2022-2023/AFDP/W/01

Project: Shinyanga Water And Sanitation Project

Employer: Shinyanga Water Supply and Sanitation Authority

(SHUWASA)

Country: Tanzania

FINANCIER:



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A. General

1 Scope of Application

1.1 In connection with the Invitation for Prequalification indicated in Section II, Prequalification Data Sheet (PDS), the Employer, as defined in the PDS, issues these Prequalification Documents ("Prequalification Documents") to prospective applicants ("Applicants") interested in submitting applications ("Applications") for prequalification to bid for the works described in Section VII - Scope of Works. In case the works are to be bid as individual contracts (i.e. the slice and package procedure), these are listed in the PDS. The International Procurement Competition ("IPC") number corresponding to this prequalification is also provided in the PDS.

2 Source of Funds

2.1 The Employer indicated in the PDS has applied for or received financing (hereinafter called "funds") from Agence Française de Développement (hereinafter called "AFD") towards the project named in the PDS. The Employer intends to apply a portion of the funds to eligible payments under the contract(s) resulting from the bidding for which this prequalification is conducted.

3 Corrupt and Fraudulent Practices

- 3.1 AFD requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI AFD Policy Corrupt and Fraudulent Practices Environmental and Social Responsibility.
- 3.2 In further pursuance of this policy, Applicants shall permit and shall cause its subcontractors and sub-consultants, to permit AFD to inspect all accounts, records and other documents relating to the submission of the Application, bid submission (in case prequalified), and contract performance (in the case of award), and to have them audited by auditors appointed by AFD.

4 Eligible Applicants

- 4.1 An Applicant may be a firm that is a private entity, a state-owned entity -subject to ITA 4.3 or a combination of such entities in the form of a joint venture ("JV") under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. In the case of a JV, all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. The JV shall nominate an authorized representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the prequalification process, bidding (in the event the JV submits a bid) and during contract execution (in the event the JV is awarded the Contract). Unless specified in the **PDS**, there is no limit on the number of members in a JV.
- 4.2 A firm may apply for prequalification both individually, and as part of a joint venture, or as a subcontractor. If prequalified, it will not be permitted to bid for the same contract both as an individual firm and as a part of the joint venture. However, a firm may participate as a subcontractor in more than one bid, but only in that capacity. Bids submitted in violation of this procedure will be rejected.
- 4.3 AFD's eligibility criteria for prequalification are described in Section V Eligibility Criteria.
- 4.4 Applicants shall not have a conflict of interest. Any Applicant found to have a conflict of interest shall be disqualified. An Applicant may be considered to have a conflict of interest for the purpose of this prequalification process, if the Applicant:

- Directly or indirectly controls, is controlled by or is under common control with another Applicant; or
- Receives or has received any direct or indirect subsidy from another Applicant; or
- c) Has the same legal representative as another Applicant; or
- d) Has a relationship with another Applicant, directly or through common third parties, that puts it in a position to influence the application of another Applicant, or influence the decisions of the Employer regarding this prequalification process; or
- e) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the prequalification; or
- Any of its affiliates has been hired (or is proposed to be hired) by the Employer as Engineer for the Contract implementation; or
- g) Has a close business or family relationship with a professional staff of the Employer (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the prequalification documents or specifications of the contract, and/or the prequalification evaluation process; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to AFD throughout the procurement process and execution of the contract.
- 4.5 An Applicant shall not be under suspension from bidding by the Employer as the result of the execution of a Bid–Securing Declaration.
- 4.6 An Applicant shall provide such evidence of eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 5 Eligible Materials, Equipment, and Services
- 5.1 The materials, equipment and services to be supplied under the Contract and financed by AFD may have their origin in any country subject to the restrictions specified in Section V - Eligibility Criteria, and all expenditures under the Contract will not contravene such restrictions.

B. Contents of the Prequalification Documents

6 Sections of Prequalification Documents 6.1 These Prequalification Documents consist of parts 1 and 2 which comprise all the sections indicated below, and which should be read in conjunction with any Addendum issued in accordance with ITA 8.

PART I: Prequalification Procedures

- Section I Instructions to Applicants (ITA)
- Section II Prequalification Data Sheet (PDS)
- Section III Evaluation and Prequalification Criteria
- Section IV Application Forms
- Section V Eligibility Criteria

 Section VI – AFD Policy – Corrupt and Fraudulent practices – Environmental and Social Responsibility

PART II: Works Requirements

- Section VII Scope of Works
- 6.2 Unless obtained directly from the Employer, the Employer accepts no responsibility for the completeness of the Prequalification Documents, responses to requests for clarification, or Addenda in accordance with ITA 8. In case of any discrepancies, documents issued directly by the Employer shall prevail.
- 6.3 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Documents and to furnish with its Application all information or documentation as is required by the Pregualification Documents.

7 Clarification of Prequalification Documents

7.1 A prospective Applicant requiring any clarification of the Pregualification Documents shall contact the Employer in writing at the Employer's address indicated in the PDS. The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen (14) days prior to the deadline for submission of the applications. The Employer shall forward a copy of its response to all prospective Applicants who have obtained the Prequalification Documents directly from the Employer, including a description of the inquiry but without identifying its source. If so indicated in the PDS, the Employer shall also promptly publish its response at the web page identified in the PDS. Should the Employer deem it necessary to amend the Pregualification Documents as a result of a clarification, it shall do so following the procedure under ITA 8 and in accordance with the provisions of ITA 17.2.

8 Amendment of Prequalification Documents

- 8.1 At any time prior to the deadline for submission of Applications, the Employer may amend the Prequalification Documents by issuing an Addendum.
- 8.2 Any Addendum issued shall be part of the Prequalification Documents and shall be communicated in writing to all prospective Applicants who have obtained the Prequalification Documents from the Employer. The Employer shall promptly publish the Addendum at the Employer's web page identified in the **PDS**.
- 8.3 To give prospective Applicants reasonable time to take an Addendum into account in preparing their Applications, the Employer may, at its discretion, extend the deadline for the submission of Applications in accordance with ITA 17.2.

C. Preparation of Applications

- 9 Cost of Applications
- 9.1 The Applicant shall bear all costs associated with the preparation and submission of its Application. The Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.

10 Language of Application

10.1 The Application as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language specified in the PDS. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in

the language specified in the **PDS**, in which case, for purposes of interpretation of the Application, the translation shall govern.

- 11 Documents
 Comprising the
 Application
- 11.1 The Application shall comprise the following:
 - Application Submission Form, the Statement of Integrity duly signed, in accordance with ITA 12 and ITA 13 and the completed Application Forms of Section IV - Application Forms;
 - b) Documentary evidence establishing the Applicant's eligibility, in accordance with ITA 13:
 - Documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and
 - d) Any other document required as specified in the PDS.
- 12 Application Submission Form
- 12.1 The Applicant shall complete an Application Submission Form as provided in Section IV - Application Forms. This Form must be completed without any alteration to its format.
- 13 Documents
 Establishing the
 Eligibility of the
 Applicant
- 13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete and sign the Statement of Integrity, Eligibility and Social and Environmental Responsibility as provided in Section IV Application Forms without any alteration to its format and furnish supporting documentation as specified in Forms ELI-1.1 and ELI-1.2.
- 14 Documents
 Establishing the
 Qualifications of
 the Applicant
- 14.1 To establish its qualifications to perform the contract(s) in accordance with Section III Evaluation and Prequalification Criteria, the Applicant shall provide the information requested in the corresponding Forms included in Section IV Application Forms.
- 15 Signing of the Application and Number of Copies
- 15.1 The Applicant shall prepare one original of the documents comprising the Application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the Application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant. In case the Applicant is a JV, the Application shall be signed by an authorized representative of the JV on behalf of the JV and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized signatories. If a JV has not been formalized and a letter of intent to form a JV is presented, then the Application shall be signed by every member of the intended JV.
- 15.2 The Applicant shall submit copies of the signed original Application, in the number specified in the **PDS**, and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail

D. Submission of Applications

- 16 Sealing and Identification of Applications
- 16.1 The Applicant shall enclose the original and the copies of the Application in a sealed envelope that shall:
 - a) Bear the name and address of the Applicant:
 - b) Be addressed to the Employer, in accordance with ITA 17.1; and
 - c) Bear the specific identification of this prequalification process indicated in the **PDS** 1.1.
- 16.2 The Employer will accept no responsibility for not processing any envelope that was not identified as required in ITA 16.1 above

17 Deadline for Submission of Applications

- 17.1 Applicants may either submit their Applications by mail or by hand. Applications shall be received by the Employer at the address and no later than the deadline indicated in the PDS. When so specified in the PDS, Applicants have the option of submitting their Applications electronically, in accordance with electronic application submission procedures specified in the PDS.
- 17.2 The Employer may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Documents in accordance with ITA 8, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

18 Late Applications

18.1 The Employer reserves the right to accept applications received after the deadline for submission of applications, unless otherwise specified in the **PDS**.

19 Opening of Applications

19.1 The Employer shall open all Applications at the date, time and place specified in the **PDS**. Late Applications shall be treated in accordance with ITA 18.1. Applications submitted electronically (if permitted pursuant to ITA 17.1) shall be opened in accordance with the procedures specified in the **PDS**. The Employer shall prepare a record of the opening of Applications to include, as a minimum, the name of the Applicants. A copy of the record shall be distributed to all Applicants.

E. Procedures for Evaluation of Applications

20 Confidentiality

- 20.1 Information relating to the Applications, their evaluation and result shall not be disclosed to Applicants or any other persons not officially concerned with the prequalification process until the notification of prequalification results is made to all Applicants in accordance with ITA 28.
- 20.2 From the deadline for submission of Applications to the time of notification of the results of the prequalification in accordance with ITA 28, any Applicant that wishes to contact the Employer on any matter related to the prequalification process (except as specified in 20.1 above), may do so only in writing.

21 Clarification of Applications

- 21.1 To assist in the evaluation of Applications, the Employer may, at its discretion, ask an Applicant for a clarification (including missing documents) of its Application, to be submitted within a stated reasonable period of time. Any request for clarification from the Employer and all clarifications from the Applicant shall be in writing.
- 21.2 If an Applicant does not provide clarifications and/or documents requested by the date and time set in the Employer's request for clarification, its Application shall be evaluated based on the information and documents available at the time of evaluation of the Application.

22 Responsiveness of Applications

- 22.1 The Employer may reject any Application which is not responsive to the requirements of the Prequalification Documents.
- 23 Margin of Preference
- 23.1 Unless otherwise specified in the **PDS**, a margin of preference for domestic bidders shall not apply in the bidding process resulting from this prequalification.

24 Subcontractors

- 24.1 Unless otherwise stated in the **PDS**, the Employer does not intend to execute any specific elements of the works by subcontractors selected in advance by the Employer (nominated subcontractors).
- 24.2 A "specialized subcontractor" is a subcontractor hired for specialized work as defined by the Employer in Section III-4.2, Experience. If no specialized work is specified by the Employer as such, subcontractors experience shall not be considered for Applications evaluation.
- 24.3 The Employer may decide to permit subcontracting for certain specialized works as indicated in Section III-4.2, Experience. The Employer may do so at its own initiative or at the request of the Applicants during the prequalification process (if justified). When subcontracting is permitted by the Employer, the specialized subcontractors experience shall be considered for the evaluation. Section III Evaluation and Prequalification Criteria, describes the qualification criteria for subcontractors.

F. Evaluation of Applications and Prequalification of Applicants

25 Evaluation of Applications

- 25.1 The Employer shall use the factors, methods, criteria, and requirements defined in Section III Evaluation and Prequalification Criteria, to evaluate the qualifications of the Applicants, and no other methods, criteria, or requirements shall be used. The Employer reserves the right to waive minor deviations from the qualification criteria if they do not materially affect the technical capability and financial resources of an Applicant to perform the contract.
- 25.2 Only the qualifications of the Applicant shall be considered. In particular, the qualifications of a parent or other affiliated company that is not party to the Applicant under a JV in accordance with ITA 4.2 shall not be considered.
- 25.3 In case of multiple contracts, Applicants should indicate in their Applications the individual contracts in which they are interested. The Employer shall prequalify each Applicant for the maximum combination of contracts for which the Applicant has thereby indicated its interest and for which the Applicant meets the appropriate aggregate requirements. The Evaluation and Pregualification Criteria are mentioned in Section III.
- 26 Employer's Right to Reject All Applications
- 26.1 The Employer reserves the right to annul the prequalification process and reject all Applications at any time, without thereby incurring any liability to the Applicants.

27 Prequalification of Applicants

- 27.1 All Applicants whose Applications substantially meet or exceed the specified qualification requirements will be prequalified by the Employer.
- 27.2 An Applicant may be "conditionally prequalified", that is, qualified subject to the Applicant submitting or correcting certain specified documents or deficiencies that do not materially affect the ability of the Applicant to perform the proposed contract, to the satisfaction of the Employer.
- 27.3 Applicants that are conditionally prequalified will be so informed along with the statement of the condition(s) which must be met to the satisfaction of the Employer before or at the time of submitting their bids.

28 Notification of Prequalification

- 28.1 After the Employer has completed the evaluation of the Applications, it shall notify all Applicants in writing of the names of those Applicants who have been prequalified or conditionally prequalified. In addition, those Applicants who have been disqualified will be informed separately.
- 28.2 Applicants that have not been prequalified may write to the Employer to request, in writing, the grounds on which they were disqualified.

29 Invitation for Bids

- 29.1 Promptly after the notification of the results of the prequalification, the Employer shall invite bids from all the Applicants that have been prequalified or conditionally prequalified.
- 29.2 Bidders may be required to provide a Bid Security or a Bid-Securing Declaration acceptable to the Employer in the form and an amount to be specified in the Bidding Documents, and the successful Bidder shall be required to provide a Performance Security as specified in the Bidding Documents.

30 Changes in Qualifications of Applicants

30.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 27 and invited to bid (including, in the case of a JV, any change in the structure or formation of any member thereto) shall be subject to the written approval of the Employer. Such approval shall be denied if (i) as a consequence of the change, the Applicant no longer substantially meets the qualification criteria set forth in Section III - Evaluation and Prequalification Criteria; or (ii) in the opinion of the Employer, the change may result in a substantial reduction in competition. Any such change should be submitted to the Employer not later than fourteen (14) days after the date of the Invitation for Bids.

Section II – Prequalification Data Sheet (PDS)

	A. General									
ITA 1.1	The Employer is: Managing director									
	Shinyanga Water Supply and Sanitation Authority									
	(SHUWASA)									
	Lubingo Street									
	P.O Box 298 Shinyanga, Tanzania.									
ITA 1.1	The list of contracts (lots) comprising the IPC is:									
	One unique contract: Shinyanga Water and Sanitation Project – Component 1: Potable Water Infrastructure.									
ITA 1.1	IPC name and number are: Constructuction of Shinyanga Potable Water Distribution Systems and SHUWASA Head Quarter Office Building.									
	AE/046/2022-2023/AFDP/ PQL / 01									
ITA 2.1	The name of the Project is: Shinyanga Water and Sanitation Project									
ITA 4.1	Maximum number of members in the JV shall be: three (3)									
	The lead member shall be specified in the JV Agreement or letter of intent.									
	B. Contents of the Prequalification Documents									
ITA 7.1	For clarification purposes only, the Employer's address is:									
	Attention to Secretary of Tender Board,									
	Address: SHUWASA									
	Lubingo Street,									
	P.O Box 298 Shinyanga									
	Tanzania									
	Phone: +255-028-2762073									
	Email: info@shuwasa.or.tz, wilfred.lameck@shuwasa.or.tz									
ITA 7.1 & 8.2	Web page: https://www.maji.go.tz ; https://www.shuwasa.or.tz; http://afd.dgmarket.com.									
	C. Preparation of applications									
ITA 10.1	The Application as well as all correspondence shall be submitted in English.									
	Language for translation of supporting documents and printed literature is English.									
ITA 11.1(d)	The Applicant shall submit with its Application, the following additional documents: N/A									
ITA 15.2	In addition to the original, the number of copies to be submitted with the Application is: One (1) original, four (4) paper copies and four (4) digital copy (flashdisk). In case of any discrepancy on information or compliance with prequalification submission									

requirements between paper copy and digital copy, the paper copy version shall be adopted.										
D. Submission of Applications										
ITA 17.1	The deadling	The deadline for Application submission is:								
	Date: 4 th Jul	Date: 4 th July 2023								
	Time: 10:00	AM (Local time)								
	Applicants s	hall not have the option of submitting their Applications electronically.								
	For applica	tion submission purposes only, the Employer's address is:								
	Attention to	Attention to Secretary of Tender Board,								
	Address:	SHUWASA								
		Lubingo Street,								
		P.O Box 298 Shinyanga								
		Tanzania								
	Phone:	+255-028-2762073								
	Email:	info@shuwasa.or.tz,								
ITA 18.1	Late submi	ssion shall not be accepeted.								
ITA 19.1	The opening	of the Applications shall be at:								
	Date: 4 th Jul	y 2023								
	Time: 10:30	AM (Local time)								
		g of applications will be done physically only at the SHUWASA ICE ROOM . Located at the Employer's address below:								
	Address:	SHINYANGA WATER SUPPLY AND SANITATION AUTHORITY								
		Lubingo Street,								
		P.O Box 298 Shinyanga								
		Tanzania								
	Phone: +255-028-2762073									
	Email:	info@shuwasa.or.tz,								
ITA 23.1	Margin of pr	eference for domestic bidders is not applicable								
	E. P	rocedures for Evaluation of Applications								
ITA 24.1		the Employer does not intend to execute certain specific parts of the bcontractors selected in advance (nominated subcontractors).								

Section III – Evaluation and Prequalification Criteria

Evaluation

This Section contains all the methods, criteria, and requirements that the Employer shall use to evaluate Applications. The information to be provided in relation to each requirement and the definitions of the corresponding terms are included in the respective Application Forms.

Wherever an Applicant is required to state a monetary amount, Applicants should indicate the EUR (Euros) equivalent using the rate of exchange determined as follows:

- For construction turnover or financial data required for each year Exchange rate prevailing on the last day of the respective calendar year;
- Value of single contract Exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available rate published by the Central Bank of the Employer's country. Any error in determining the exchange rates in the Application may be corrected by the Employer.

Prequalification Criteria

For multiple contracts, the criteria for prequalification are aggregate minimum requirements of all the lots for which the Applicant submits an Application.

	1. Eligibility and Qualification Criteria										
				Joint Ventu	ure (existing or in	itended)					
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required				
1.1	Nationality	Nationality in accordance with ITA 4.3	Must meet requirement	Existing or existing JV must meet requirement	Must meet requirement	N/A	Forms ELI-1.1 and ELI-1.2, with attachments				
1.2	Conflict of Interests	No conflicts of interest in accordance with ITA 4.4	Must meet requirement	Existing or existing JV must meet requirement	Must meet requirement	N/A	Application Submission Form				
1.3	AFD Eligibility	Not being ineligible to AFD financing, as described in ITA 4.3	Must meet requirement	Existing or existing JV must meet requirement	Must meet requirement	N/A	Statement of Integrity, Eligibility and Social and Environmental Responsibility				
1.4	Government Owned Entity	Meet conditions of ITA 4.3	Must meet requirement	Existing or existing JV must meet requirement	Must meet requirement	N/A	Forms ELI-1.1 and ELI-1.2, with attachments				

	2. Historical Contract Non-Performance										
				Joint Ventu	re (existing or in	tended))					
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required				
2.1	History of Non-Performing Contracts	Termination of a contract did not occur as a result of Applicant's default in the past five (5) years ¹ .	Must meet requirement	Must meet requirement	Must meet requirement ²	N/A	Form CON-2				
2.2	Suspension Based on Execution of Bid Securing Declaration by the Employer	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITA 4.5.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form				
2.3	Pending Litigation	All pending litigation shall in total not represent more than one hundred percent (100%) of the Applicant's net worth and shall be treated as resolved against the Applicant.	Must meet requirement	N/A	Must meet requirement	N/A	Form CON-2				

Non-performance shall include all terminations of contracts where (a) non-performance was not challenged by the Applicant, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the Applicant. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism.

² This requirement also applies to contracts executed by the Applicant as JV member.

		3.	Financial Situat	tion and Perform	ance		
				Joint Ver	nture (existing or	intended)	
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
3.1	Financial Capabilities	(i) The Applicant shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as EUR three million five hundred thousand euros (EUR 3,500,000) for the subject contract(s) net of the Applicants other commitments;	Must meet requirement	Must meet requirement	N/A	N/A	Forms FIN-3.1 with attachments and FIN-3.3
		(ii) The Applicant shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments;	Must meet requirement	Must meet requirement	N/A	N/A	Forms FIN-3.1 and FIN-3.4
		(iii) The audited balance sheets or, if not required by the laws of the Applicant's country, other financial statements acceptable to the Employer, for the last three (3) years shall be submitted and demonstrate the current soundness of the Applicant's financial position. The Applicant's financial position will be	Must meet requirement	N/A	N/A	Leader must meet requirement	Form FIN–3.1 with attachments

		3.	Financial Situat	ion and Perform	ance		
				Joint Ven	ture (existing or	intended)	
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
		deemed sound if at least two (2) of the following four (4) criteria are met: a) Average earnings before interest, taxes, depreciation, and amortization (EBITDA) for the last three (3) years > 0; b) Total equity (net worth) for the last three (3) years > 0; c) Average liquidity ratio for the last three (3) years > 1 ((Current assets) / (Current liabilities) > 1); d) Average indebtedness ratio for the last three (3) years < 6 ((Total financial liabilities) / (EBITDA) < 6).					
3.2	Minimum Annual Turnover	Minimum average annual turnover of twenty million euros (EUR 20,000,000), for the last 5 years.	Must meet requirement	Must meet requirement	Must meet twenty five per cent 25% of the requirement	Must meet forty per cent 40% of the requirement	Form FIN-3.2

				4. Experience						
				Joint Ver	nture (existing or	intended)	Documentation Required Form EXP-4.1			
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required			
4.1	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, subcontractor, or management contractor for at least the last five (5) years, starting 1st January 2017	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP-4.1			
4.2	(a) Specific Construction & Contract Management Experience	(i) A minimum number of similar ³ contracts specified below that have been satisfactorily and substantially ⁴ completed as a prime contractor, joint venture member ⁵ management contractor or subcontractor between 1 st January 2012 and application submission deadline: three (3) contracts, each of minimum value tweny five million euros (EUR 25,000,000)	Must meet requirement	Must meet requirement ⁶	N/A	N/A	Form EXP-4.2(a)			

The similarity shall be based on the physical size, complexity and technicity of the Works. Adding up small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

Substantial completion shall be based on 80% or more works completed under the contract.

For contracts under which the Applicant participated as a joint venture member or subcontractor, only the Applicant's share, by value, shall be considered to meet this requirement.

In the case of a JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. For instance, if the criterion mentions "two (2) contracts with a minimum value of 50M\$ each", a JV composed of 3 members and having carried out four (4) contracts of 30M\$ each shall not be qualified. On the other hand, if 2 of the 3 members of the JV each carried out one (1) contract of 50M\$, the criterion is met, even if the third member does not have any contract of this value.

For the above or any other contracts completed and under implementation as prime contractor, joint venture member, management contractor or subcontractor or or after the first day of the calendar year during the period stipulated in 4.2(a) above, a minimum construction experience in the following key activities successfully completed*: ■ two (2) references of supply and installation of 100 km of HDPE pressure pipes for water ■ one (1) reference of supply and installation of 150km of HDPE pressure pipes for water with diameters ≥ OD250; ■ one (1) reference of supply and installation of 3 km of steeler of ducile iron pressure pipes for water with diameters ≥ ND00; ■ one (1) reference of construction of a ground reservoir for drinkable water with a volume of at least 1,500 m³ ■ one (1) reference of construction of a nelevated ≥15m reservoir for drinkable water with a volume of at least 1,500 m³ ■ one (1) reference of construction of an elevated ≥15m reservoir for drinkable water with a volume of at least 250 m³		(1) 0 10						5 5VD 40(1)
	4.2	(b) Specific Experience	implementation as prime contractor, joint venture member, management contractor or subcontractor ⁷ on or after the first day of the calendar year during the period stipulated in 4.2(a) above, a minimum construction experience in the following key activities successfully completed ⁸ : ■ two (2) references of supply and installation of 100 km of HDPE pressure pipes for water ■ one (1) reference of supply and installation of 10km of HDPE pressure pipes for water with diameters ≥ OD250; ■ one (1) reference of supply and installation of 5km of steel or ductile iron pressure pipes for water with diameters ≥ DN600; ■ one (1) reference of construction of a ground reservoir for drinkable water with a volume of at least 1,500 m³ ■ one (1) reference of construction of an elevated ≥15m reservoir for drinkable water with a volume of at	Must meet requirement	Must meet requirement	N/A	requirements for the key activities listed below: two (2) references of supply and installation of 100 km of HDPE pressure pipes for	Form EXP-4.2(b)

5. Environmental, Social, Health and Safety (ESHS) ⁹								
				Joint Ver	ture (existing or	intended)		
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required	
5.1	ESHS Certification(s)	Availability of a valid ISO certification or internationally recognized equivalent (equivalency to be demonstrated by Applicant), and applicable to the worksite. Quality management certificate ISO 9001 ¹⁰ ; Environmental management certificate ISO 14001 ¹¹ ; Health and safety	Must meet requirement	N/A	N/A	Leader must meet requirement	Form CER Form CER	
		management certificate ISO 45001 ¹² .						
5.2	ESHS Documentation	Availability of in-house policies and procedures acceptable to the Employer for ESHS management: 1. Existence of an Ethics Charter;	Must meet requirement	N/A	N/A	Leader must meet requirement	 The ESHS Ethics Charter of the company or equivalent must be provided. A procedure or information on how the Bidder ensures that all members of the Joint Venture, subcontractors, suppliers and 	

-

^{10 [}The ISO 9001 certification covers the principles of quality management, including a strong customer focus, motivation and commitment of management, process approach and continuous improvement.

¹¹ [The ISO 14001 certification defines the criteria for an environmental management system.

^{12 [}The ISO 45001 certification defines a management system for health and safety at work with the overall objective of preventing the occurrence of work related injuries and diseases among workers and providing safe and healthy workplaces.

			5. Environment	al, Social, Health a	and Safety (ESHS	5) ⁹	
				Joint Ven	ture (existing or		
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
		 2. Existence of a system for monitoring compliance with ESHS commitments for the Applicant's subcontractors and all its partners; 3. Existence of official company procedures for the management of the following relevant points: Health & Safety on worksites; ESHS resources and facilities and ESHS monitoring organization; Relations with stakeholders, information and consultation of local communities and authorities; Control of infectious and communicable diseases (Covid-19, HIV/AIDS, malaria, etc.). Traffic management 					temporary labor (i) are aware and (ii) meet ESHS requirements must be provided. 3. Official internal procedure documents on the topics indicated must be provided.
5.3	Similar Experience	Experience of two (2) construction contracts over the last ten (10) years, where major ESHS measures were	Must meet requirement	N/A	N/A	Leader must meet requirement	Form EXP-ESHS with supporting documents (the Applicant shall submit a piece of evidence

	5. Environmental, Social, Health and Safety (ESHS) ⁹						
		Joint Venture (existing or intended)					
Criterion		Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
		carried out or are on progress satisfactorily and in compliance with international standards.					supporting the ESHS implementation measures)
5.4	ESHS Dedicated Personnel	Availability of in-house personnel dedicated to ESHS issues: Environmental and Social Manager, and/or Health and Safety Manager.	Must meet requirement	N/A	N/A	Leader must meet requirement	Organizational chart evidencing filled ESHS position(s)

Section IV – Application Forms

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Application Submission Form

	Date:	[insert day, month, and year]
	IPC No. and tit	itle:[insert IPC number and title]
To:	Shinyanga Water Supply and Sanitation Authority (SH	IUWASA)
We	e, the undersigned, apply to be prequalified for the referen	enced IPC and declare that:
a)	We have examined and have no reservations to Addendum(s) No(s). [insert the number and issuaccordance with Instructions to Applicants (ITA 8);	
b)	We have no conflict of interest in accordance with ITA	A 4.4;
c)	We have not been suspended nor declared ineligible Bid Securing Declaration in the Employer's country in	
d)	We understand that you reserve the right to annul Applications at any time, without thereby incurring an	
Sigı	ned [insert signature(s) of an authorized representative(s	(s) of the Applicant]
	me:sert full name of person signing the Application]	
	he capacity of:sert capacity of person signing the Application]	
Dul	y authorized to sign the Application for and on behalf of:	:
App [ins	olicant's name: sert full name of Applicant or the name of the JV]	
	dress:sert street number/town or city/country address]	
Dat	ted on: day of:	year:

[For a joint venture, either all members shall sign or only the authorized representative, in which case the power of attorney to sign on behalf of all members shall be attached. In case of a letter of intent to form a joint venture, it shall be attached and all members shall sign it.]

Statement of Integrity, Eligibility and Environmental and Social Responsibility

Reference of the bid or proposal	(the "Contract")
To: Shinyanga Water Supply and Sanitation	Authority (SHUWASA) (the "Contracting Authority")

- 1. We recognise and accept that *Agence Française de Développement* ("**AFD**") only finances projects of the Contracting Authority subject to its own conditions which are set out in the Financing Agreement which benefits directly or indirectly to the Contracting Authority. As a matter of consequence, no legal relationship exists between AFD and our company, our joint venture or our suppliers, contractors, subcontractors, consultants or subconsultants. The Contracting Authority retains exclusive responsibility for the preparation and implementation of the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
- 2. We hereby certify that neither we nor any other member of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations:
 - 2.1 Being bankrupt, wound up or ceasing our activities, having our activities administered by the courts, having entered into receivership, reorganisation or being in any analogous situation arising from any similar procedure;

2.2 Having been:

- a) convicted, within the past five years by a court decision, which has the force of res judicata in the country where the Contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract (in the event of such conviction, you may attach to this Statement of Integrity supporting information showing that this conviction is not relevant in the context of this Contract);
- subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where we are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract (in the event of such sanction, you may attach to this Statement of Integrity supporting information showing that this sanction is not relevant in the context of this Contract);
- c) convicted, within the past five years by a court decision, which has the force of res judicata, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;
- 2.3 Being listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
- 2.4 Having been subject within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;
- 2.5 Not having fulfilled our fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where we are constituted or the Contracting Authority's country;
- 2.6 Being subject to an exclusion decision of the World Bank and being listed on the website http://www.worldbank.org/debarr (in the event of such exclusion, you may attach to this

- Statement of Integrity supporting information showing that this exclusion is not relevant in the context of this Contract);
- 2.7 Having created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of this Contract.
- 3. We hereby certify that neither we, nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations of conflict of interest:
 - 3.1 Being an affiliate controlled by the Contracting Authority or a shareholder controlling the Contracting Authority, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
 - 3.2 Having a business or family relationship with a Contracting Authority's staff involved in the procurement process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
 - 3.3 Being controlled by or controlling another bidder or consultant, or being under common control with another bidder or consultant, or receiving from or granting subsidies directly or indirectly to another bidder or consultant, having the same legal representative as another bidder or consultant, maintaining direct or indirect contacts with another bidder or consultant which allows us to have or give access to information contained in the respective applications, bids or proposals, influencing them or influencing decisions of the Contracting Authority;
 - 3.4 Being engaged in a consulting services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the Contracting Authority;
 - 3.5 In the case of procurement of goods, works or plants:
 - a) Having prepared or having been associated with a consultant who prepared specifications, drawings, calculations and other documentation to be used in the procurement process of this Contract:
 - b) Having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract.
- 4. If we are a state-owned entity, and to compete in a procurement process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.
- 5. We undertake to bring to the attention of the Contracting Authority, which will inform AFD, any change in situation with regard to points 2 to 4 here above.
- 6. In the context of the procurement process and performance of the corresponding contract:
 - 6.1 We have not and we will not engage in any dishonest conduct (act or omission) deliberately indented to deceive others, to intentionally conceal items, to violate or vitiate someone's consent, to make them circumvent legal or regulatory requirements and/or to violate their internal rules in order to obtain illegitimate profit;
 - 6.2 We have not and we will not engage in any dishonest conduct (act or omission) contrary to our legal or regulatory obligations or our internal rules in order to obtain illegitimate profit;
 - 6.3 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to (i) any Person who holds a legislative, executive, administrative or judicial mandate within the State of the Contracting Authority regardless of whether that Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the Person occupies, (ii) any other Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service, or (iii) any other person defined as a Public Officer by the national laws of the Contracting Authority's country, an undue advantage of any kind, for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity;

- 6.4 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to any Person who occupies an executive position in a private sector entity or works for such an entity, regardless of the nature of his/her capacity, any undue advantage of any kind, for himself or another Person or entity for such Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations;
- 6.5 We have not and we will not engage in any practice likely to influence the contract award process to the detriment of the Contracting Authority and, in particular, in any anti-competitive practice having for object or for effect to prevent, restrict or distort competition, namely by limiting access to the market or the free exercise of competition by other undertakings;
- 6.6 Neither we nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or France;
- 6.7 We commit ourselves to comply with and ensure that all of our suppliers, contractors, subcontractors, consultants or subconsultants comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the environmental and social commitment plan (ESCP) provided by the Contracting Authority.
- 7. We, as well as members of our joint venture and our suppliers, contractors, subcontractors, consultants or subconsultants authorise AFD to inspect accounts, records and other documents relating to the procurement process and performance of the contract and to have them audited by auditors appointed by AFD.

Name:	In the capacity of:
Duly empowered to sign in the name an	nd on behalf of¹:
Signature:	
Dated:	

In case of joint venture, insert the name of the joint venture. The person who will sign the application, bid or proposal on behalf of the applicant, bidder or consultant shall attach a power of attorney from the applicant, bidder or consultant.

Applicant Prequalification Forms

Form ELI-1.1: Applicant Information Form

Date: [insert day, month, year]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

	cant's rt full n	name: pame]	
		oint Venture (JV), name of each member:	
		JV, Applicant's actual or intended country of constitution:	
		actual or intended year of constitution:ear of Constitution]	
Appli	cant's	legal address (in country of constitution):	
[inse	rt stree	et / number / town or city / country]	
Appli	cant's	authorized representative information:	
[inse	rt full n	name]	
Addre [inse		et / number / town or city / country]	
_		Fax numbers:	
		phone/fax numbers, including country and city codes]	
		988:	
[indic	ate en	nail address]	
1.	Attac	thed are copies of original documents of:	
	Articles of Constitution (or equivalent documents of association), of the legal entity named above.		
	☐ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1.		
	☐ In case of state-owned enterprise or institution, in accordance with ITA 4.3, document establishing:		ents
		 Legal and financial autonomy Operation under commercial law That the Applicant is not dependent agency of the Employer 	
2.	Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.		

Form ELI–1.2: Applicant's JV Information Form

[The following table shall be filled by each member of a Joint Venture and, if applicable, by any specialized subcontractor, and in that case substitute "Applicant's JV member" for "specialized subcontractor".]

Date: [insert day, month, year]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

		ame: name]	
		JV Member's name:	
		JV Member's country of constitution: ountry of constitution]	
		JV Member's year of constitution:ear of constitution]	
		JV Member's legal address in country of constitution:et / number / town or city / country]	
Appl	cant's	JV Member's authorized representative information:	
Nam [inse	e: rt full r	name]	
		et / number / town or city / country]	
		Fax numbers:	
Ema	il addr	ess:	
[indi	cate er	mail address]	
1.	Attac	ched are copies of original documents of:	
	Articles of Constitution (or equivalent documents of association), of the legal entity named above.		
		In case of state-owned enterprise or institution, in accordance with ITA 4.3, document establishing:	
		 Legal and financial autonomy Operation under commercial law That the Applicant is not dependent agency of the Employer 	
2.	2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.		

Form CON-2: Historical Contract Non-Performance, Pending Litigation and Litigation History

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

	Non-Performed Contracts in accordance with Section III - Evaluation and Prequalification Criteria				
	Contract non-performance did not occur since 1st January [insert current year number less 5] specified Section III - Evaluation and Prequalification Criteria, criterion 2.1.				
	Contract(s) not performed since 1 st January [insert current year number less 5] specified in Section III - Evaluation and Prequalification Criteria, criterion 2.1, as indicated below:				
Year		Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and EUR equivalent)	
[insert year]		[insert amount and percentage]	Contract Identification: [indicate complete contract name/ number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country] Reason(s) for non-performance: [indicate main reason(s)]	[insert amount]	

Po	ending Litigation, in	n accordance with Section III - Evaluation and Prequalifica	tion Criteria		
☐ Pend					
Year of dispute (currency)		Contract Identification	Total Contract Amount (currency), EUR Equivalent (exchange rate)		
[insert year]	[insert amount]	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country] Matter in dispute: [indicate main issues in dispute] Party who initiated the dispute: [indicate "Employer" or "Contractor"] Status of dispute: [indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary, specify "pending" or "settled"]	[insert amount]		
[insert year]	[insert amount]		[insert amount]		

Form FIN-3.1: Financial Situation and Performance

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: [insert full name]

Date: [insert day, month, year]

Joint Venture Member's Name: [insert full name]

IPC No. and title: [insert IPC number and title]

Page [insert page number] of [insert total number] pages

1. Financial data

Type of Financial information in [indicate currency]	Historic information for previous three (3) years (Amount in [indicate currency, exchange rate, EUR equivalent])			
	2019	2020	2021	
Statement of financial position (information from	n balance sheet)		
Total assets (TA)				
Total financial liabilities ¹				
Total equity/Net worth (NW)				
Current assets				
Current liabilities				
Working capital (WC)				
Information from	income statemer	nt		
Total revenue				
Earnings before interest, taxes, depreciation, and amortization (EBITDA) ²				
Earnings before taxes (EBT)				
Cash flow information				
Cash flow from operating activities				

¹ Means any financial indebtedness for and in respect of:

a) any monies borrowed on a short, medium or long-term basis;

b) any bank overdraft;

c) any amounts raised pursuant to any bills of exchange issued to a third party (or any dematerialized equivalent of such instrument);

d) any amounts raised pursuant to any note purchase facility or the issue of bonds, notes, debentures, loan stock or any similar instruments;

e) the amount of any liability in respect of any lease or hire purchase contract which would be treated as a finance or capital

f) receivables sold or discounted (other than any receivables to the extent they are sold on a non-recourse basis).

Means, for any given year, the aggregate of:

⁽⁺⁾ net income

⁽⁺⁾ tax expense

^(+/-) extraordinary income or expense

^(+/-) financial result

^(+/-) net foreign exchange losses or gains

⁽⁺⁾ net depreciation and amortization allowances and provisions

2. Financial Documents

The Applicant and, in case of a JV, each member, shall provide copies of financial statements for **three** (3) years pursuant Section III - Evaluation and Prequalification Criteria, criterion 3.1. The financial statements shall:

- a) Reflect the financial situation of the Applicant or in case of JV member, and not an affiliated entity (such as parent company or subsidiary);
- b) Be independently audited or certified in accordance with local legislation;
- c) Be complete, including all notes to the financial statements;
- d) Correspond to accounting periods already completed and audited.
- Attached are copies of financial statements³ for the **three (3) years** required above; and complying with the requirements.

If the most recent set of financial statements is for a period earlier than 12 months from the date of application, the reason for this should be justified.

Form FIN-3.2: Annual Turnover

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

Vaca	Annual turnover data				
Year	Amount and Currency ¹	Exchange rate	EUR Equivalent		
[Indicate calendar year]	[insert amount and indicate currency]	[insert exchange rates used to calculate the EUR equivalent]	[insert EUR equivalent]		
2017					
2018					
2019					
2020					
2021					
		Average Annual Turnover ²			

The indicated turnover amounts must be identical as those appearing on the financial statements.

See Section III - Evaluation and Prequalification Criteria, criterion 3.2.

Form FIN-3.3: Sources of Finance

[The following table shall be filled in for the Applicant and all members combined in case of a Joint Venture]

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Section III - Evaluation and Prequalification Criteria.

	Financial Resources			
No.	Source of Financing	Amount (EUR equivalent)		
1				
2				
3				

	Attached are	conies of the	evidence of	the source	of financing a	and the related a	mounts
_	Allacheu ale		CAIGCLICE OF	uic souice	ui illialiuliu e	ii iu ii ie i elaieu c	มาเบนเนอ.

Form FIN-3.4: Current Contract Commitments / Works in Progress

Applicants and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

	Current Contract Commitments						
No.	Name of Contract	Employer's Contact Address, Tel, Fax	Value of Outstanding Work (Current EUR Equivalent)	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months (EUR/month)		
1							
2							
3							
4							
5							

Form EXP-4.1: General Construction Experience

[The following table shall be filled in for the Applicant and in the case of a JV Applicant, each Member]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

[Identify contracts that demonstrate continuous construction work over the past five (5) years pursuant to Section III - Evaluation and Prequalification Criteria, criterion 4.1. List contracts chronologically, according to their commencement (starting) dates.]

Starting Year	Ending Year	Contract Identification	Role of Applicant
[indicate year]	[indicate year]	Contract Name: [insert full name] Brief description of the works performed by the Applicant: [describe works performed briefly] Amount of Contract: [insert amount in currency, mention currency used, exchange rate and EUR equivalent] Name of Employer: [indicate full name] Address: [indicate street/number/town or city/country]	[insert "Prime Contractor" or "JV Member" or "Subcontractor" or "Management Contractor"]

Attached are copies of the evidence of the implementation of the Contracts mentioned above.
(Certificate of Completion or partial Completion, Letter of Acceptance, Notification of Award, etc.)

Form EXP-4.2(a): Specific Construction and Contract Management Experience

[The following table shall be filled in for contracts performed by the Applicant or each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

Similar Contract No.: [insert number] of [insert number of similar contracts required]	Information			
Contract Identification:				
Award Date:	[insert day, month, year, i.e., 15 J	une, 2015]		
Completion Date:	[insert day, month, year, i.e., 03 C	October, 2017]	_	
Role in Contract: [check the appropriate box]	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	□ V Management Contractor	□ Subcontractor	
Total Contract Amount:	[insert total contract amount in local currency]		EUR [insert Exchange rate and total contract amount in EUR equivalent]	
If member in a JV or subcontractor, specify participation in total Contract amount:	% [insert a percentage amount]	[insert total contract amount in local currency]	[insert exchange rate and total contract amount in EUR equivalent]	
Employer's Name:	[insert full name]			
Address:	[indicate street/number/town or city/country]			
Telephone/Fax numbers:	[insert telephone/fax numbers, including country and city area codes]		rea codes]	
Email:	[insert email address, if available]			

Form EXP-4.2(a) (cont.): Specific Construction and Contract Management Experience (cont.)

Applicant's Name: [insert full name]
Joint Venture Member's Name: [insert full name]

Similar Contract No.: [insert number] of [insert number of similar contracts required]		Information
	Description of the similarity in	n accordance with criterion 4.2(a) of Section III - Evaluation and Prequalification Criteria
1.	Amount	[insert amount in local currency, exchange rate, EUR in words and in figures]
2.	Physical size of required works items	[insert physical size of items]
3.	Complexity	[insert description of complexity]
4.	Methods/Technology	[insert specific aspects of the methods/technology involved in the contract]
5.	Construction rate for key activities	[insert rates and items]
6.	Other Characteristics	[insert other characteristics as described in Section VII - Scope of Works]

Attached are copies of the evidence of the implementation of the Contracts mentioned above
(Certificate of Completion or partial Completion at minimum 80%)

Form EXP-4.2(b): Construction Experience in Key Activities

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Subcontractor's Name¹ (as per ITA 24.3): [insert full name]
Page [insert page number] of [insert total number] pages

1. Key Activity No. 1: Successfully completed supply and installation of a minimum of 100 km of HDPE pressure pipes for water.

	Information			
Contract Identification:	[insert contract name and number, if applicable]			
Award Date:				
	[insert day, month	, year, i.e., 15 June	e, 2015]	
Completion Date:		, year, i.e., 03 Octo	ober, 2017]	
Role in Contract:				
[check the appropriate box]	Prime Contractor	Member in JV	Management Contractor	Subcontractor
Total Contract Amount:	[insert total contract amount in contract currency(ies)]			EUR [insert exchange rate and total contract amount in EUR equivalent]
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	(i) participation		Actual quantity perform (i) x (ii)	
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:	[insert full name]			
Address:	[indicate street / number / town or city / country]			
Telephone/Fax numbers:	[insert telephone/fax numbers, including country and city area codes]		rea codes]	
Email:				

¹ If permitted by the Employer under "specialized works" in Table 4.2 (b) of Section III - Evaluation and Prequalification Criteria.

Form EXP-4.2(b) (cont.): Construction Experience in Key Activities (cont.)

Applicant's Name: [insert full name] Joint Venture Member's Name: [insert full name]

Description of the key activities in accordance with criterion 4.2(b) of Section III - Evaluation and Prequalification Criteria				
[insert response to inquiry indicated in left column]				

Attached are copies of the evidence of the implementation of the Contracts mentioned above, detailing the types of works and quantities necessary to insure qualification, as per criterion 4.2 (b) Specific Experience's requirements. (Certificate of Completion or partial Completion, etc.)

Form EXP-4.2(b): Construction Experience in Key Activities

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Subcontractor's Name² (as per ITA 24.3): [insert full name]
Page [insert page number] of [insert total number] pages

2. Key Activity No. 2: Successfully completed supply and installation of a minimum of 10 km of HDPE pressure pipes for water with outside diameters equal to 250 mm or greater.

	Information			
Contract Identification:				
	[insert contract name and number, if applicable]			
Award Date:				
	[insert day, month	, year, i.e., 15 June	e, 2015]	
Completion Date:				
	-	, year, i.e., 03 Octo		
Role in Contract:				
[check the appropriate box]	Prime Contractor	Member in JV	Management Contractor	Subcontractor
Total Contract Amount:				EUR
	[insert total contract amount in contract currency(ies)]			[insert exchange rate and total contract amount in EUR equivalent]
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	(i) participation		Actual quantity perform (i) x (ii)	
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:	[insert full name]			
Address:	[indicate street / number / town or city / country]			
Telephone/Fax numbers:				
	[insert telephone/fax numbers, including country and city area codes]			
Email:	[insert email address, if available]			

If permitted by the Employer under "specialized works" in Table 4.2 (b) of Section III - Evaluation and Prequalification Criteria.

Form EXP-4.2(b) (cont.): Construction Experience in Key Activities (cont.)

Applicant's Name: [insert full name] Joint Venture Member's Name: [insert full name]

Description of the key activities in accordance with criterion 4.2(b) of Section III - Evaluation and Prequalification Criteria			
[insert response to inquiry indicated in left column]			

ш	Attached are copies of the evidence of the implementation of the Contracts mentioned above,
	detailing the types of works and quantities necessary to insure qualification, as per criterion 4.2
	(b) Specific Experience's requirements. (Certificate of Completion or partial Completion, etc.)

Form EXP-4.2(b): Construction Experience in Key Activities

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Subcontractor's Name³ (as per ITA 24.3): [insert full name]
Page [insert page number] of [insert total number] pages

1. **Key Activity No. 3:** Successfully completed supply and installation of a minimum of 5 km of steel or ductile iron pressure pipes for water with nominal diameters equal to 600 mm or greater.

	Information			
Contract Identification:			-	
	[insert contract na	me and number, if	applicable]	
Award Date:	<u> </u>			
	[insert day, month	, year, i.e., 15 June	e, 2015]	
Completion Date:		, year, i.e., 03 Octo	ober, 2017]	
Role in Contract:				
[check the appropriate box]	Prime Contractor	Member in JV	Management Contractor	Subcontractor
Total Contract Amount:	[insert total contract amount in contract currency(ies)]			EUR [insert exchange rate and total contract amount in EUR equivalent]
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i) Percentage participation (ii)		Actual quantity perform (i) x (ii)	
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:	[insert full name]			
Address:	[indicate street / number / town or city / country]			
Telephone/Fax numbers:	[insert telephone/fax numbers, including country and city area codes]			
Email:	[insert email address, if available]			

³ If permitted by the Employer under "specialized works" in Table 4.2 (b) of Section III - Evaluation and Prequalification Criteria.

Form EXP-4.2(b) (cont.): Construction Experience in Key Activities (cont.)

Applicant's Name: [insert full name] Joint Venture Member's Name: [insert full name]

Description of the key activities in accordance with criterion 4.2(b) of Section III - Evaluation and Prequalification Criteria		
[insert response to inquiry indicated in left column]		

Attached are copies of the evidence of the implementation of the Contracts mentioned above, detailing the types of works and quantities necessary to insure qualification, as per criterion 4.2 (b) Specific Experience's requirements. (Certificate of Completion or partial Completion, etc.)

Form EXP-4.2(b): Construction Experience in Key Activities

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Subcontractor's Name⁴ (as per ITA 24.3): [insert full name]
Page [insert page number] of [insert total number] pages

1. **Key Activity No. 4:** Successfully completed construction of a ground reservoir for drinkable water with a volume of at least 1,000 m³.

	Information			
Contract Identification:	[insert contract name and number, if applicable]			
Award Date:	[insert day, month, year, i.e., 15 June, 2015]			
Completion Date:	[insert day, month,	[insert day, month, year, i.e., 03 October, 2017]		
Role in Contract: [check the appropriate box]	□ Prime Contractor	□ Member in JV	□ Management Contractor	☐ Subcontractor
Total Contract Amount:	[insert total contract amount in contract currency(ies)] [insert total contract amount in contract currency(ies)] [insert exchange rate and total contract amount in EUR equivalent]			
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in t (i)	he contract	Percentage participation (ii)	Actual quantity perform (i) x (ii)
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:	[insert full name]			
Address:		mber / town or cit	'y / country]	
Telephone/Fax numbers:	[insert telephone/fax numbers, including country and city area codes]			
Email:	[insert email address, if available]			

⁴ If permitted by the Employer under "specialized works" in Table 4.2 (b) of Section III - Evaluation and Prequalification Criteria.

Form EXP-4.2(b) (cont.): Construction Experience in Key Activities (cont.)

Applicant's Name: [insert full name] Joint Venture Member's Name: [insert full name]

Description of the key activities in accordance with criterion 4.2(b) of Section III - Evaluation and Prequalification Criteria		
[insert response to inquiry indicated in left column]		

Attached are copies of the evidence of the implementation of the Contracts mentioned above, detailing the types of works and quantities necessary to insure qualification, as per criterion 4.2 (b) Specific Experience's requirements. (Certificate of Completion or partial Completion, etc.)

Form CER: Quality Management / Environmental, Social, Health and Safety (ESHS) Certification

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

<u>Certification [Quality / Environmental / Health and Security]</u> [Delete as appropriate]

DESCRIPTION	INFORMATION		
Identification of the certificate:	[insert full name of the certificate]		
Date of Issue:	[insert day, month, year of first certificate award]		
Areas covered by the certificate:	[activities and locations]		
Expiry Date:	[insert day, month, year]		
Issuer's Name:	[insert full name]		
Address:	[insert street / number / town or city / country]		
Telephone/Fax numbers:	[insert phone/fax no., incl. country & city area codes]		
Email:	[insert email address, if available]		
Compliance with international standards	The certificate is [ISO 9001, ISO 14001, ISO 45001] [select as appropriate] □ Yes / □ No		
If no, proof of conformity with ISO standards by the Applicant	The Applicant shall provide a conformity assessment of its certificate by an internationally recognized Accredited Certification Body		

The Applicant shall fill this Form for each Certification required under criterion 5.1 of Section III - Evaluation and Prequalification Criteria.

Form EXP-ESHS: Environmental, Social, Health and Safety (ESHS) Experience

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

Similar Contract No.: [insert number] of [insert number of similar contracts required]	Information			
Contract Identification:				
	[insert contract nam	ne and number, if appl	icable]	
Short Project Description (main scope and key values of project):				
	[insert short project	description]		
Award date:				
	[insert day, month, year]			
Completion date:				
	[insert day, month, y	year]		
Role in Contract: [check the appropriate box]	□ □ □ □ Prime Member in JV Management Subcontractor Contractor Contractor			
Total Contract Amount:	[insert total contract amount in local currency] [insert total contract amount in local amount in EUR equivalent]		amount in EUR	
If party in a JV or subcontractor, specify participation of total contract amount:	% [insert a percentage	[insert total contract amount in	[insert total contract amount in EUR	
	amount]	local currency]	equivalent]	
Employer's name:	[insert full name]			
Address:				
[insert street / number / town or city / country]		ntry]		
Telephone/Fax numbers:	[insert phone/fax numbers, including country and city area codes]			
Email:		s, if available]		

Similar Contract No.: [insert number] of [insert number of similar contracts required]		Information
Description of the ESHS challenges and measures implemented under the contract:		
a)	ESHS Challenge:	[Insert description]
b)	ESHS Risk Assessment Level:	[Insert classification of risk assessment as per development bank classification if applicable]
c)	ESHS implemented measures (as per criterion 5.3 of Section III - Evaluation and Prequalification Criteria):	[Provide a document supporting the implementation of ESHS measures, acceptable to the Employer ¹]

For example ESHS activity reports, ESHS final reports, ESHS inspection reports, supervision Engineer's reports, etc. Only documents evidencing implementation of ESHS measures shall be accepted.

Section V - Eligibility Criteria

Eligibility in AFD-Financed Procurement

- 1. Financing allocated by AFD to a Contracting Authority has been entirely untied since 1st January 2002. To the exception of any equipment or any sector which is subject to an embargo by the United Nations, the European Union or France, all goods, works, plants, consulting services and non-consulting services are eligible for AFD financing regardless of the country of origin of the supplier, contractor, subcontractor, consultant or subconsultant inputs or resources used in the implementation processes. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
- 2. Natural or legal Persons¹ (including all members of a joint venture or any of their suppliers, contractors, subcontractors, consultants or subconsultants) shall not be awarded an AFD-financed contract if, on the date of submission of an application, a bid or a proposal, or on the date of award of a contract, they:
 - 2.1 Are bankrupt or being wound up or ceasing their activities, are having their activities administered by the courts, have entered into receivership, or are in any analogous situation arising from a similar procedure;

2.2 Have been:

- a) convicted, within the past five years by a court decision, which has the force of res judicata in the country where the contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this conviction is not relevant in the context of the Contract;
- b) subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where they are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this sanction is not relevant in the context of the Contract;
- c) convicted, within the past five years by a court decision, which has the force of res judicata, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;
- 2.3 Are listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
- 2.4 Have been subject within the past five years to a contract termination fully settled against them for significant or persistent failure to comply with their contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against them;
- 2.5 Have not fulfilled their fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where they are constituted or the Contracting Authority's country;
- 2.6 Are subject to an exclusion decision of the World Bank and are listed on the website http://www.worldbank.org/debarr, unless they provide supporting information together with

Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this exclusion is not relevant in the context of the Contract;

- 2.7 Have created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of the Contract.
- 3. State-owned entities may compete only if they can establish that they (i) are legally and financially autonomous, and (ii) operate under commercial law. To be eligible, a state-owned entity shall establish to AFD's satisfaction, through all relevant documents, including its Charter and other information AFD may request, that it: (i) is a legal entity separate from their state (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to their state, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt.

Section VI – AFD Policy - Corrupt and Fraudulent Practices – Environmental and Social Responsibility

1. Corrupt and Fraudulent Practices

The Contracting Authority and the suppliers, contractors, subcontractors, consultants or subconsultants must observe the highest standard of ethics during the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.

By signing the Statement of Integrity the suppliers, contractors, subcontractors, consultants or subconsultants declare that (i) "it did not engage in any practice likely to influence the contract award process to the Contracting Authority's detriment, and that it did not and will not get involved in any anticompetitive practice", and that (ii) "the procurement process and the performance of the contract did not and shall not give rise to any act of corruption or fraud".

Moreover, AFD requires including in the Procurement Documents and AFD-financed contracts a provision requiring that suppliers, contractors, subcontractors, consultants or subconsultants will permit AFD to inspect their accounts and records relating to the procurement process and performance of the AFD-financed contract, and to have them audited by auditors appointed by AFD.

AFD reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- Reject a proposal for a contract award if it is established that during the selection process the bidder or consultant that is recommended for the award has been convicted of corruption, directly or by means of an agent, or has engaged in fraud or anti-competitive practices in view of being awarded the Contract;
- b) Declare misprocurement when it is established that, at any time, the Contracting Authority, the suppliers, contractors, subcontractors, consultants or subconsultants their representatives have engaged in acts of corruption, fraud or anti-competitive practices during the procurement process or performance of the contract without the Contracting Authority having taken appropriate action in due time satisfactory to AFD to remedy the situation, including by failing to inform AFD at the time they knew of such practices.

AFD defines, for the purposes of this provision, the terms set forth below as follows:

- a) Corruption of a Public Officer means:
 - The act of promising, offering or giving to a Public Officer, directly or indirectly, an undue advantage of any kind for himself or for another Person¹ or entity, for such Public Officer to act or refrain from acting in his official capacity; or
 - The act by which a Public Officer solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity.
- b) A Public Officer shall be construed as meaning:
 - Any person who holds a legislative, executive, administrative or judicial mandate (within the country of the Contracting Authority) regardless of whether that natural Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the natural Person occupies;
 - Any other natural Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service;

Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

- Any other natural Person defined as a Public Officer by the national laws of the country of the Contracting Authority.
- c) Corruption of a Private Person² means:
 - The act of promising, offering or giving to any Private Person, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations; or;
 - The act by which any Private Person solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations.
- d) Fraud means any dishonest conduct (act or omission), whether or not it constitutes a criminal offence, deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate consent, to circumvent legal or regulatory requirements and/or to violate internal rules in order to obtain illegitimate profit.
- e) Anti-competitive practices mean:
 - Any concerted or implied practices which have as their object or effect the prevention, restriction or distortion of competition within a marketplace, especially where they (i) limit access to the marketplace or free exercise of competition by other undertakings, (ii) prevent free, competition-driven price determination by artificially causing price increases or decreases, (iii) restrict or control production, markets, investments or technical progress; or (iv) divide up market shares or sources of supply;
 - Any abuse by one undertaking or a group of undertakings which hold a dominant position on an internal market or on a substantial part of it;
 - Any practice whereby prices are quoted or set unreasonably low, the object of which is to eliminate an undertaking or any of its products from a market or to prevent it from entering the market.

2. Environmental and Social Responsibility

In order to promote sustainable development, AFD seeks to ensure that internationally recognised environmental and social standards are complied with. Suppliers, contractors, subcontractors, consultants or subconsultants for AFD-financed contracts shall consequently undertake in the Statement of Integrity to:

- a) Comply with and ensure that all their subcontractors or subconsultants comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties;
- b) Implement environmental and social risks mitigation measures when specified in the environmental and social management plan (ESMP) provided by the Contracting Authority.

Means any natural Person other than a Public Officer.

PART 2 – Works Requirements

Section VII - Scope of Works

1. <u>Description of the Works</u>

The objective of the **Shinyanga Water and Sanitation Project** is to provide safe, reliable and sustainable water and sanitation services in Shinyanga Municipality and Shinyanga Rural, Tanzania and thereby contribute to improvement in health, social well-being and living standards of the beneficiaries. The project will improve existing infrastructure and enhance the operational, commercial and service delivery efficiency of the Shinyanga Water Supply and Sanitation Authority (SHUWASA).

The water and wastewater services on the project area are now under the responsibility of SHUWASA (who has recently taking over part of the water services in the rural areas and the wastewater services in general). SHUWASA obtains its water from two sources: Ning'hwa dam with a production of around 1,100 m³/day (about 10% of the water supplied) and the rest from KASHWASA, a bulk water supplier providing water from Lake Victoria (current production capacity of 80,000 m³/day).

Shinyanga Water and Sanitation Project has been divided into three (3) components:

- Component 1 Potable water infrastructure;
- Component 2 Sewerage and sanitation activities;
- Component 3 Capacity building.

The present Prequalification process concerns part of the construction works included in the Component 1 – Potable water infrastructure.

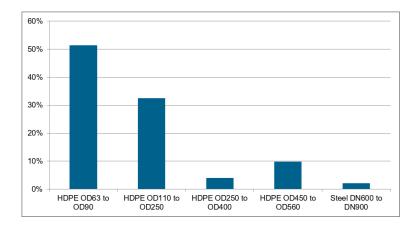
Construction Works will be carried out under one single tender through International Competitive Bidding (ICB) Procedures, with the contract following Red FIDIC book.

The preliminary scope of works includes:

- Supply, installation and testing of about 270 km of HDPE pipes with outside diameters ranging from 63 mm to 560 mm with associated equipment;
- Supply, installation and testing of about 6 km of Steel pipes with diameters ranging from 600 mm to 900 mm with associated equipment;
- Construction of a ground reservoir for drinkable water with a volume of 1,500 m³;
- Construction of a 15m height tower for drinkable water with a volume of 250 m³;
- Supply, installation and testing of electromechanical equipment on the water network;
- Supply of house connection equiment and transfer of house connections for sections of pipes to be rehabilitated or reinforced;
- Construction of multi storey building for new SHUWASA's head quarter office
- Construction of 30 automated water points
- Etc

The estimated quantities of major components of the works should be indicated in the bill of quantities.

The water network works will be approximatively distributed as follows:

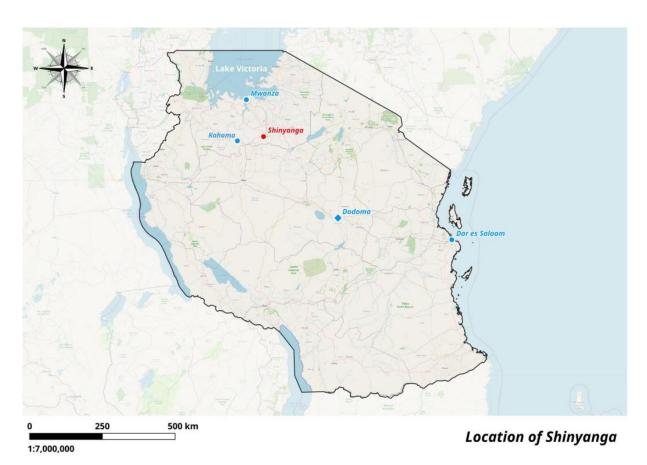


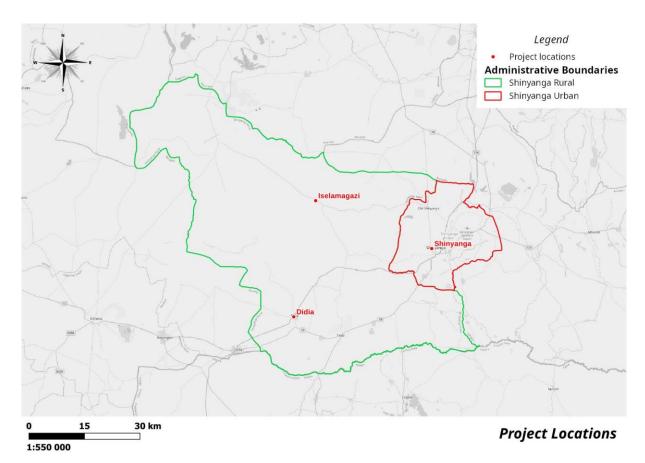
2. Construction Period(s)

Construction shall take place within 24 months, from commencement date. A year of defect liability period will follow the Construction period.

3. Site and other Data

The project area, shown on the figures below, includes Shinyanga Municipality and some urban centres, Didia and Iselamagazi for a population of more than 200,000 inhabitants projected for 2022. Shinyanga is located in the North West of Tanzania, South of Lake Victoria.

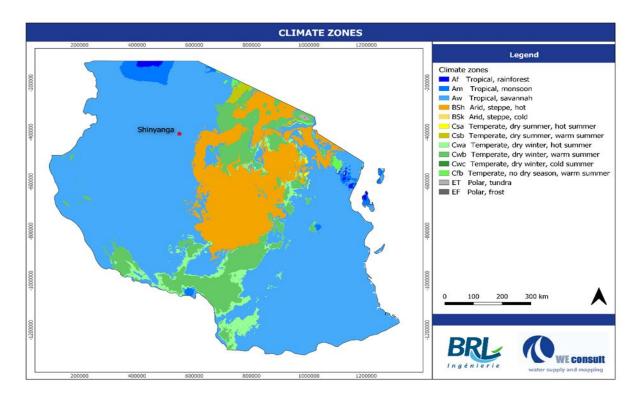




General information

1.2.2 Climate

The climate in the Shinyanga region is classified as tropical savannah climate (Figure 1). This climate system is associated with a distinct dry season, which can become severe, with a high chance of drought conditions occurring during the dry periods. To the north of Shinyanga are more tropical climate zones which usually receive higher amounts of rainfall. To the east and south-east lie more arid climate zones.



1.2.3 Rainfall

Climate Hazards centre InfraRed Precipitation with Station data (CHIRPS) is a global rainfall data set1. It incorporates 0.05° resolution satellite imagery with in-situ station data to create daily gridded rainfall time series, which is especially useful in areas with low station densities. Data was downloaded and analysed for the period 1981 to 2019.

Mean yearly rainfall in the region is about 800 mm per year. The rainfall pattern in Shinyanga falls in the unimodal type, where most of the rainfall usually falls in one season in the months from October/November to April, with a dry period in the months May to September, in which there is almost no precipitation. The rainy season has two peaks, the first in December and the second in March.

The average number of dry days in a year is 179. Looking at the trend of yearly rainfall, a slight increase over the years can be discerned. The number of dry days per year is also decreasing. In general, precipitation in the area is increasing slightly, spread out over more days of the year. The spatial variation of rainfall in the area in the wet and the dry season. The south-east of the area receives the least rainfall, while the north and west receive significantly higher amounts of rainfall. 1.2.4 Temperature

Reanalysis temperature data was obtained through the US National Centre for Environmental Prediction (NCEP), which provides data for the period from 01/01/1979 until 31/07/2014. Only whole years are used in this analysis (1979-2013). The temperature in the study area does not see large fluctuations throughout the year.

The highest temperatures are reached at the end of the dry season in September and October, where the average maximum lies around 33 degrees Celsius, with a minimum around 19 degrees. The lowest temperatures are from April to July at the beginning of the dry season, with maxima around 30 degrees and minima around 16 degrees.

https://www.chc.ucsb.edu/data/chirps

1.2.5 Evapotranspiration

Evapotranspiration is a major sink through which water leaves the area. The reference evapotranspiration (ETo) in the area was calculated with the FAO Penman-Monteith equation. ETo represents the evapotranspiration rate from a reference surface, not short of water. It should not be interpreted as the actual evapotranspiration, rather as the possible evapotranspiration if the ground was covered with a reference crop and always in supply of sufficient water.

ETo values can be considered equal to evaporation from a large body of water, such as a lake or reservoir2. Data used was the NCEP climate data, available for the years 1979 until 2013, specifically minimum and maximum temperature, wind speed, relative humidity and solar radiation.

The pattern shows to be following that of the temperature, but with a stronger peak in September and October. The average daily ETo is 5.8 mm, amounting to a yearly ETo of 2124 mm.

1.2.6 Geological, Soils and Land use

The geology of the Shinyanga area has been assessed based on the JICA report (JICA,2008). There are three main formations in the area being the granitoid formation (Gs and GS-a), the iron stones and the sediment deposits. The city is underlain by sediments of variable thickness that have been deposited on top of basement rocks. Outcrops of granites are found just West of the town as depicted in the first geological map.

Granitic Rock Area (gs, gs-a, gs-b)

Granite is distributed widely in Shinyanga, Tabora, Singida, and Dodoma Regions. Granite is a coarse-grained igneous rock. Many small hills of granite called "Inselbergs" are observed in the granite area. This granite area was mainly formed in the Archean period. The granite was uplifted, followed by weathering and erosion of the uplifted mountain, and finally a pediplain was formed. An inselberg is a remaining hill in such a pediplain. The granitic rock area is classified into three units in the geological map, (i.e., "gs", "gs-a" and "gs-b"). These are derived by satellite image analysis and the existing geological map. The differences among these units are rough texture (gs), intermediate texture (gs-a) and smooth texture (gs-b). The granites around Shinyanga have an intermediate and rough texture.

Nvanzian System (Z)

The Nyanzian System consists of metamorphic rock, which was metamorphosed from sedimentary and igneous rocks. It is distributed in the northern part of Tabora region and the southern part of Shinyanga region. Banded ironstone is very dense and hard, groundwater is not expected in the rock. Schist and quartzite are also dense, but some groundwater is expected in fissured parts of the rocks. The Nyanzian system is surrounded by granite in many places. The contact zones between the granites and the ironstone are expected to have many fractures.

Tertiary and Recent Sediment (N, NI, and Nf)

The sediments are found east and south of Shinyanga and are formed by sands and clays. Their thickness varies but they can be more than 70 m thick.

1.2.7 Soils

Soil data near Shinyanga city Distric Nitosols are present, while further out in a south-west to north-east band passing Shinyanga Ferric Acrisols are dominant. Both these types are fine textured, rather low fertile soils. Nitosols have a lower generation of surface runoff and higher storage capacity. Acrisols are defined by the presence of a subsurface layer of accumulated clay which impede deep percolation. In general, surface flows are easily generated, and groundwater recharge may be impeded.

² https://cals.arizona.edu/azmet/et1.htm

To the north-west of Shinyanga are Pellic vertisols, which are characterized by clay layers which crack when they dry, providing some potential for recharge. In the lower lying areas to the south-east the dominant soil type is Calcic Cambisols, related to sedimentary deposits. Cambisols are usually well draining and may provide some potential for recharge. In general, finer textured and clayey soils, in combination with higher moisture contents are more corrosive to metal pipelines, so further research is recommended when metal pipelines are to be constructed.

1.2.8 Land use

Land use data was acquired from IGAD, published in 2017, Shinyanga city there is some accumulation of buildings near the mine to the north-east of Shinyanga. Surrounding Shinyanga are some woodlands. The majority of the area is used as cultivated land.

To the south of Shinyanga more grassland is present, and some bushland is scattered throughout the region. There is no clear relation visible between the soil and land use types. As land use is dynamic, changes occur over time. As such, the urban area of Shinyanga has already grown and some of the woodlands surrounding it have disappeared since the publication of this land use data.

1.2.9 Topography.

Shinyanga area as well as two elevation cross sections through the area. The area is generally characterised by an undulating topography with an elevation of around 1150-1250 masl and gradually sloping downward to the N-S running Mhumbu River, along which Shinyanga Town is located and the E-W running Manonga River in the south. Some inselbergs stick out of the landscape in the (south-) western part of the area and are 100 to 250 m higher than their surroundings.

The contractor will also need to coordinate closely with Shinyanga municipality and the different stakeholders and utility operators (TANROADS, TANESCO, Communication service providers (VODACOM, HALOTEL, TIGO, TTCL, AIRTEL), TARURA, etc.) for the implementation of the project, including in order to ensure continuity of service.

The Employer may provide services such as area for camping.