



THE REPUBLIC OF GEORGIA



Municipality of Batumi

GERMAN FINANCIAL CO-OPERATION WITH GEORGIA

Loan No: BMZ 2001 66 702 / 2010 67 057 / 2011 66 719
Project Name: Rehabilitation of Municipal Water Supply & Wastewater
Infrastructure in Batumi – Phase III

Pre-Qualification Documents
for
Batumi III, Tender Package 1
Lot 1, 2, 3, and 5

Water Supply and Sewerage Network in selected areas of
Batumi, Pumping stations and Mains, Reservoirs,
Transmission Lines

Works and Supply Contract

August 2014

Issued:
ICB No.:
Employer:

August 2014
KFW/BMZ 2011 66 719/BATUMI/PH-III/C-1
Municipality of Batumi

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Section I: Instructions to Applicants

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A. General	
1. Scope of Application	1.1 In connection with the Invitation for Tendering the Employer, as defined in the ADS, issues this Qualification Document to applicants interested in bidding for the works described in Section V, Scope of Contract. The International Competitive Bidding (ICB) number corresponding to this pre-qualification, is provided in the ADS.
2. Source of Funds	<p>2.1 The Republic of Georgia has received a loan from the Government of the Federal Republic of Germany through KfW development bank (as hereafter called “the Bank” or “KfW”) towards the costs of the Program named in the ADS.</p> <p>2.2 The Georgian Government has concluded a subsidiary financing agreement with the Beneficiary, Municipality of Batumi –MoB-, which is acting as the Employer. The MoB intends to apply a portion of the funds to eligible payments under the contract resulting from the bidding for which this qualification is conducted (hereinafter called “the Contract”). Payments for this contract will be made only in accordance with the terms and conditions of the Financing Agreement, and will be subject in all respects to the terms and conditions of that Agreement. Except as the Bank may specifically otherwise agree, no party other than the Employer shall derive any rights from the Financing Agreement or have any rights to the fund proceeds.</p> <p>2.3 Although various departments of the Government of Georgia and KfW development bank retain certain approval rights, they shall in no way be deemed as party to the Contract or be under any obligation to the Contractor.</p> <p>2.4 In addition it is intended that “Local Budgets” will be available for certain “Optional Works” for which separate BoQs will be included in related LOTS.</p>
3. Corrupt Practices	<p>3.1 The MoB including the beneficiaries of the KfW financed activity, as well as bidders, suppliers, and contractors under KfW financed contracts, shall observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this requirement, the contracting agency and the KfW</p> <p>(a) defines, for the purposes of this provision, the terms set forth below as follows:</p> <p>(i) “corrupt practice” means the offering, giving receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any party in the procurement process or the execution of a contract;</p> <p>(ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;</p>

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	<p>(iii) "collusive practices" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Borrower, designed to influence the action of any party in a procurement process or the execution of a contract;</p> <p>(iv) "coercive practices" means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a contract;</p> <p>(b) will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and</p> <p>(c) will sanction a party or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in KfW-financed activities if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing an KfW-financed contract.</p>
<p>4. Eligible /Ineligible Applicants</p>	<p>4.1 An Applicant shall be a private or government-owned legal entity, subject to ITA Sub-Clause 4.6, or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV,</p> <p>(a) all partners to the JV shall be jointly and severally liable;</p> <p>(b) a JV shall nominate a representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the qualification process and, in the event the JV is qualified, during the bidding process, and in the event the JV is awarded the Contract, during contract execution; and</p> <p>(c) an applicant cannot be a partner of more than one JV and cannot be a subcontractor to other pre-qualified Applicants during the bid.</p> <p>4.2 There are no restrictions regarding the Applicant's country of domicile. The Applicant shall however be constituted, incorporated, or registered and shall operate in conformity with the provisions of the laws of his country of domicile.</p> <p>Domestic companies or legal persons may also apply if they</p> <p>(a) have been registered in Georgia as Contractor for any works similar to those which are subject of this procurement.</p> <p>(b) have paid taxes, contributions and other public duties</p> <p>4.3 The above requirement shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract.</p>

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	<p>4.4 Ineligible is an Applicant when there is a conflict of interest in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitute a prohibited practice as described under ITA Clause 3. Consequently bidders shall not have a conflict of interest. Applicants may be considered to be in a conflict of interest with one or more parties in this qualification process if they, including but not limited to:</p> <ul style="list-style-type: none"> (a) have controlling shareholders in common; or (b) receive or have received any direct or indirect subsidy from any of them; or (c) have the same legal representative for purposes of their Application; or (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or to influence the bid of another Applicant in the subsequent bidding process or influence the decisions of the Employer regarding this prequalification process. <p>A firm that is under a declaration of ineligibility in accordance with ITA Clause 3, at the date of submission of the application or thereafter, shall not be considered.</p> <p>4.5 Applicants will also be rejected if:</p> <ul style="list-style-type: none"> (a) their participation is ruled out by sanctions issued by the UN Security Council (b) they are or were involved as a consultant in the preparation or implementation of the project. The same applies to an enterprise or an individual that is closely connected to the Applicant under a company group or a similar business link, or to several enterprises or individuals associated correspondingly (c) they fail to submit the Declaration of Undertaking (d) they are legally barred from the procurement process in the country of the contracting agency on the grounds of previous violations of regulations on fraud and corruption (e) or sub-contractors to be contracted for considerable portions of the contract are enterprises economically intertwined with the contracting agency in the host country and/or state-controlled enterprises that are not legally or financially independent <p>4.6 Government-owned enterprises in the Employer's country shall be eligible only if they can establish that they are legally and financially autonomous, and operate under commercial law, and that they are not in any way dependent agencies of the Employer.</p>
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	4.7 Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
5. Eligible Materials, Equipment and Services	5.1 There are no restrictions regarding the country of origin of materials and equipment to be supplied under the Contract and financed by KfW.
B. Contents of Qualification Document	
6. Sections of the Qualification Document	<p>6.1 The Qualification Document includes all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITA Clause 8.</p> <p>Section I: Instructions to Applicants (ITA) Section II: Application Data Sheet (ADS) Section III: Qualification Criteria (QLC) Section IV: Application Forms (APF) Section V: Scope of Contract (SOC).</p> <p>6.2 The "Invitation for Pre-Qualification" issued by the Employer is not part of the Qualification Document.</p> <p>6.3 The Employer accepts no responsibility for the completeness of the Qualification Document and its addenda unless they were obtained directly from the Employer.</p> <p>6.4 The Applicant is expected to examine all instructions, forms, and terms in the Qualification Document and to furnish all information or documentation required by the Qualification Document.</p>
7. Clarification of the Qualification Document	7.1 A prospective Applicant requiring any clarification of the Qualification Document shall contact the Employer in writing at the Employer address indicated in the ADS. 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 Applications. The Employer shall forward copies of its response to all Applicants who have acquired the Qualification Document directly from the Employer including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Qualification Document as a result of a request for clarification, it shall do so following the procedure under ITA Clause 8 and in accordance with the provisions of Sub-Clause 17.2.
8. Amendment of Qualification Document	<p>8.1 At any time prior to the deadline for submission of Applications, the Employer may amend the Qualification Document by issuing addenda.</p> <p>8.2 Any addendum issued shall be part of the Qualification Document and shall be communicated in writing to all who have obtained the Qualification Document directly from the Employer.</p>

	8.3 To give prospective Applicants reasonable time in which to take an addendum into account in preparing their Applications, the Employer may, at its discretion, extend the deadline for the submission of applications.
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, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.
10. Language of Applications	10.1 The application, as well as all correspondence and documents relating to the qualification exchanged by the Applicant and the Employer, shall be written in the English language. 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 into the English language, 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: (a) Application Submission Sheet, in accordance with ITA Clause 12; (b) written confirmation authorizing the signatory of the application to commit the Applicant, in accordance with Section 1, ITA Sub-Clause 15.3; (c) documentary evidence establishing the Applicant's eligibility to qualify, in accordance with ITA Clause 13; (d) documentary evidence establishing the Applicant's qualifications, in accordance with ITA Clause 14; any other document required as specified in the ADS.
12. Application Submission Sheet	12.1 The Applicant shall prepare an Application Submission Sheet using the form furnished in Section IV, Application Forms. This form must be completed without any alteration to its format and order.
13. Documents Establishing the Eligibility of the Applicant	13.1 To establish its eligibility in accordance with ITA Clause 4, the Applicant shall complete the eligibility declarations in the Application Submission Sheet and Forms ELI 1.1 and 1.2, included in Section IV, Application Forms
14. Documents establishing the Qualifications of the Applicant	14.1 To establish its qualifications to perform the contract in accordance with Section III, Qualification Criteria, the Applicant shall provide the information requested in the corresponding Information Sheets 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 Clause 11 and clearly mark it "ORIGINAL". The original of the application shall be typed or written in indelible ink

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	<p>and shall be signed by a person duly authorized to sign on behalf of the Applicant.</p> <p>15.2 The Applicant shall prepare the number of copies of the signed original application as indicated in the ADS and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail.</p> <p>15.3 The requirements regarding the legal instrument evidencing the authorization to represent and sign on behalf of the Applicant shall be as specified in the ADS. Applications submitted by an existing or intended JV shall include an undertaking signed by all partners</p> <p>(a) stating that all partners shall be jointly and severally liable, and (b) nominating a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the qualification process and, in the event the JV is qualified, during the bidding process, and in the event the JV is awarded the Contract, during contract execution.</p>
D. Submission of Applications	
16. Sealing and Marking of Applications	<p>16.1 The Applicant shall enclose the original and the copies of the application in a sealed envelope which shall</p> <p>(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 qualification process indicated in the ADS 1.1.</p> <p>16.2 If the envelope is not sealed and marked as required, the Employer will assume no responsibility for the misplacement of the application</p>
17. Deadline for Submission of Applications	<p>17.1 Applications shall be received by the Employer at the address and no later than the deadline indicated in the ADS.</p> <p>17.2 The Employer may, at its discretion, extend the deadline for the submission of Applications by amending the Qualification Document in accordance with ITA Clause 8, in which case all rights and obligations of the Employer and the Applicants subject the previous deadline shall thereafter be subject to the deadline as extended.</p>
18. Late Applications	18.1 Late Applications will be rejected.
19. Opening of Applications	19.1 The Employer shall prepare a record of the opening of Applications that shall include, as a minimum, the name of the Applicant. A copy of the record shall be distributed to all Applicants
E. Evaluation of Applications	
20. Confidentiality	Information relating to the evaluation of Applications, and recommendation for qualification, shall not be disclosed to Applicants or any other persons

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	not officially concerned with the process until the notification of qualification is made to all Applicants.
21. Clarifications of Applications	<p>21.1 To assist in the evaluation of Applications, the Employer may, at its discretion, ask any Applicant for a clarification of its application which shall be submitted within a stated reasonable period of time. Any request for clarification and all clarifications shall be in writing.</p> <p>21.2 If an Applicant does not provide clarifications of the information requested by the date and time set in the Employer's request for clarification, its Application may be rejected.</p>
22. Responsiveness of Applications	22.1 The Employer may reject any Application which is not responsive to the requirements of the Prequalification Document.
23. Margin of Preference	23.1 If so indicated in the ADS, a margin of preference shall apply in the bidding process resulting from this prequalification.
24. Subcontractors	<p>24.1 Applicants shall state in the Application Submission Sheet whether they intend to subcontract parts or elements of the Works.</p> <p>24.2 If an Applicant intends to subcontract any of the key activities listed in Section III, Qualification Criteria, Criteria 4.2(b), then such key activities and the proposed subcontractors (Specialist Subcontractors) shall be clearly identified in Section IV, Application Forms, Forms ELL-1.2 and EXP-4.2(b). Such Specialist Subcontractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria. At the time of bidding, the Bidder shall use in its bid only Specialist Subcontractor(s) also qualified during the qualification exercise.</p> <p>24.3 Unless otherwise specified in the ADS, the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in advance by the Employer (Nominated Subcontractors).</p>
F. Prequalification of Applicants	
25. Evaluations of Applications	<p>25.1 The Employer shall use the criteria and methods defined in Applications Section III, Qualification Criteria to evaluate the qualifications of the Applicants and proposed subcontractors.</p> <p>25.2 Only the qualifications of proposed subcontractors that have been identified in the Application pursuant to ITA 24.2 will be considered in the evaluation of an Applicant. However, the general experience and financial resources of subcontractors may not be added to those of the Applicant for purposes of qualification of the Applicant.</p> <p>25.3 Unless otherwise indicated in the ADS, this qualification shall be for a single contract.</p>

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<p>26. Employer's Right to Accept or Reject Applications</p>	<p>26.1 The Employer reserves the right to accept or reject any Application, and to annul the qualification (and tender) process and reject all applications at any time, without thereby incurring any liability to Applicants</p> <p>26.2 Evaluation of applications will only be conducted when not less than 3 complete and administratively correct applications are received.</p>
<p>27. Qualification of Applicants</p>	<p>27.1 All Applicants, including their proposed subcontractors, whose applications have been determined to be substantially responsive to the requirements of the Qualification Document and who have met or exceeded the specified criteria shall be qualified by the Employer.</p>
<p>28. Notification of Qualification</p>	<p>28.1 Once the Employer has completed the evaluation of the applications he shall notify all Applicants in writing of the names of those applicants who have been prequalified.</p>
<p>29. Invitation to Bid</p>	<p>29.1 After the notification of the results of the prequalification, the Employer shall invite bids from all the Applicants that have been prequalified.</p> <p>29.2 Bidders may be required to provide a bid security in the form of a demand guarantee or other security acceptable to the Employer for an amount as specified in the bidding document.</p> <p>29.3 A qualified firm or a member of a qualified joint venture may participate in only one bid for the contract. If a firm submits more than one bid, singly or in joint venture, all bids including that firm will be rejected. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid.</p>
<p>30. Changes in Qualifications of Applicants</p>	<p>30.1 Any change in the qualification status of an Applicant after being prequalified in accordance with ITA Clause 27 shall be subject to the written approval of the Employer. Any such change shall be submitted to the Employer not later than fourteen (14) days after the date of the Invitation to Bid. Such approval shall be denied if as a consequence of any change,</p> <p>(a) the prequalified Applicant, after the change, no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria; or</p> <p>(b) a new partner that had not been prequalified as an Applicant or a Specialist Subcontractor as per ITA 24.2 is added to a prequalified Applicant.</p>

Section II: Application Data Sheets

Section II: Application Data Sheets

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A. General

ITA 1.1	<p>Applicants can apply for a single LOT or for one of the combinations</p> <ol style="list-style-type: none"> 1) LOT 1 2) LOT 2 3) LOT 3 4) LOT 5 <p>and for the combinations</p> <ol style="list-style-type: none"> 5) LOT 1 + 2 6) LOT 1 + 3 7) LOT 1 + 5 8) LOT 2 + 3 9) LOT 2 + 5 10) LOT 3 + 5 11) LOT 1 + 2 + 3 12) LOT 1 + 2 + 5 13) LOT 1 + 3 + 5 14) LOT 2 + 3 + 5 15) LOT 1 + 2 + 3 + 5.
ITA 1.1	<p>The name of the Employer is: Municipality of Batumi.</p>
ITA 1.1	<p>PhIII The identification number of the ICB is</p> <ol style="list-style-type: none"> 1) -Batumi LOT 1 for LOT 1 2) PhIII-Batumi LOT 2 for LOT 2 3) PhIII-Batumi LOT 3 for LOT 3 4) PhIII-Batumi LOT 5 for LOT 5 <p>and for the combinations</p> <ol style="list-style-type: none"> 5) PhIII-Batumi LOT 1 + 2 6) PhIII-Batumi LOT 1 + 3 7) PhIII-Batumi LOT 1 + 5 8) PhIII-Batumi LOT 2 + 3 9) PhIII-Batumi LOT 2 + 5 10) PhIII-Batumi LOT 3 + 5 11) PhIII-Batumi LOT 1 + 2 + 3 12) PhIII-Batumi LOT 1 + 2 + 5 13) PhIII-Batumi LOT 1 + 3 + 5 14) PhIII-Batumi LOT 2 + 3 + 5 15) PhIII-Batumi LOT 1 + 2 + 3 + 5.
ITA 2.1	<p>The name of the Project is: Rehabilitation of Municipal Water Supply and Wastewater Infrastructure in Batumi – Phase III</p>
ITA 4.7	<p>Pre-qualified bidders of Tender Package 1 and Tender Package 2, Lot 4 are also allowed to participate in this prequalification process.</p> <p>If the award of contracts for these lots happens after the shortlist for this Tender Package has been established and one or all of the awarded contractors are also shortlisted for Lot 1, 2, 3, and/ or 5 or any combination, they have to re-confirm that the pre-qualification criteria are still met.</p>

B. Contents of the Prequalification Document

ITA 7.1	For clarification purposes only, the Employer address is: Attention: Ms. Maia Zoidze Mr. Jaba Tugushi 25 Luka Asatiani Str. City: Batumi ZIP Code: 6010 Country: Georgia Telephone/Fax: +995 422 27 26 07 Electronic mail address:, pea@batumi.ge or maia81@mail.ru copy to j.tugushi@batumi.ge and egisbatumi@gmail.com . Requests for clarification should be directed to above e-mail addresses exclusively by e-mail and will be replied by e-mail.
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C. Preparation of Applications

ITA 11.1 (a)	The Application must clearly state for which LOT or which combination of LOTs it refers to.
ITA 11.1 (e)	The Applicant shall submit with its application the following additional documents: (a) KfW Form for "Declaration of Undertaking"
ITA 15.2	In addition to the original, the number of copies to be submitted with the application is: 3 One of the 3 copies to be directly submitted to KfW Frankfurt.
ITA 15.3	The requirements regarding the legal documents evidencing the authorization to represent and sign on behalf of the Applicant shall be: A "Power of Attorney" shall be submitted.

D. Submission of Applications

ITA 16.1	Add (d): Indicate the LOT(s) for which the applicant intends to qualify
ITA 17.1	For application submission purposes , the Employer's address is: Submit the original and two copies to: Municipality of Batumi, The Mayor of Batumi Mr. Giorgi Ermakovi 25 Luka Asatiani Str. Batumi ZIP Code: 6010 Country: Georgia Telephone: +995 422 27 26 07 Electronic mail address: pea@batumi.ge or maiamaiia81@mail.ru The deadline for application submission is: Date: 26 of September 2014 at 14:00 (Georgian Time)
	Submit the third copy simultaneously to: KfW Development Bank Dept LE d4 Post Box 11 11 41 60325 Frankfurt am Main Federal Republic of Germany The deadline only applies for submission to the Employer

E. Evaluation of Applications

ITA 23.1	No margin of preference shall apply in the bidding process corresponding to this Qualification.
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ITA 24.3	The Employer does not intend to execute certain specific parts of the Works by Sub-contractors selected in advance.
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F. Prequalification of Applicants

ITA 26.2	<p>Add the following paragraph:</p> <p>The Employer reserves the right to:</p> <ul style="list-style-type: none"> a) Amend the scope of the contract packages i.e. LOT1, 2, 3, or 5 to be bid (detailed information hereto will be given in the Tender Documents). b) Reject or accept any application. c) Cancel the prequalification process and reject all applications. d) Cancel the prequalification process for LOT 1 or 2 or 3 or 5 or reject all applications for this or these particular Lots while accepting the results of the prequalification process for the other LOT(s). e) Pre-qualify applicants only for one LOT, even if they had applied for one of the given combinations.
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Section III: Qualification Criteria

Section III: Qualification Criteria

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1. Eligibility

1.1 Conflict of Interest

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	
No conflicts of interest in accordance with ITA Sub-Clause 4.4.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	application Submission Sheet

1.2 Eligibility

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	
Not having been declared ineligible as described in ITA Sub-Clauses 4.2, 4.4 and 4.5.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Application Submission Sheet

1.3 Bank Eligibility

The applicants shall provide evidence for having free* credit lines as follows:

- 1) LOT 1 not less than 0.35 million Euro.
 - 2) LOT 2 not less than 0.35 million Euro.
 - 3) LOT 3 not less than 0.4 million Euro.
 - 4) LOT 5 not less than 4 million Euro.
- And for the combinations
- 5) LOT 1 + 2 not less than 0.7 million Euro.
 - 6) LOT 1 + 3 not less than 0.7 million Euro.
 - 7) LOT 1 + 5 not less than 4 million Euro.
 - 8) LOT 2 + 3 not less than 0.75 million Euro.
 - 9) LOT 2 + 5 not less than 4 million Euro.

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- 10) LOT 3 + 5 not less than 4 million Euro.
- 11) LOT 1 + 2 + 3 not less than 1 million Euro.
- 12) LOT 1 + 2 + 5 not less than 4.5 million Euro.
- 13) LOT 1 + 3 + 5 not less than 4.5 million Euro.
- 14) LOT 2 + 3 + 5 not less than 4.5 million Euro.
- 15) LOT 1 + 2 + 3 + 5 not less than 5 million Euro

*Note: **“free credit line” means:** credit line or part of **an established credit line** not used for other purposes!

Applicants with lower **available credit capacities** cannot qualify.

1.4 Government-owned Entity

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	Submission of
Applicant required to comply with conditions of ITA Sub-Clause 4.6.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Application Submission Sheet

2. Pending Litigation

2.1 Pending Litigation

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	Submission of
All pending litigation shall be treated as resolved against the Applicant and so shall in total not represent more than 60 percent of the Applicant’s net worth.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Application Submission Sheet

3. Financial Situation

Criteria	Requirements			Documents
	Single Entity	Joint Venture		Submission of
		All Partners Combined	Each Partner	

3.1 Historical Financial Performance

Submission of audited balance sheets and income statements or, if not required by the law of the applicant's country, other financial statements acceptable to the Employer, for the last 3 years to demonstrate the current soundness of the applicants financial position and its prospective long-term profitability. As a minimum, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.	must meet requirement	not applicable	must meet requirement	not applicable	Form FIN - 3.1 with attachments
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The financial information provided by an Applicant will be reviewed in its entirety to allow a truly informed judgment, and the pass-fail decision on the financial position of the Applicant will be made on this basis. Any abnormal features which may lead to financial problems will alert the Employer to seek expert professional advice for further review and interpretation.

3.2 Average Annual Construction Turnover

Criteria	Requirements			Documents
	Single Entity	Joint Venture		Submission of
		All Partners Combined	Each Partner	

	Minimum average annual construction turnover in EURO calculated as total certified payments received for contracts in progress or completed, within the last 3 years.	must meet requirement	must meet requirement	not less than	not less than	Form FIN - 3.2
1.	LOT 1: Min. 4 million Euro	100%	100%	33%	66%	
2.	LOT 2: Min. 4.5 million Euro	100%	100%	33%	66%	
3.	LOT 3: Min 4.9 million Euro	100%	100%	33%	66%	

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

4.	LOT 5: Min. 46 million Euro	100%	100%	10%	50%	
5.	LOT 1 + 2: Min. 8.5 million Euro	100%	100%	33%	66%	
6.	LOT 1 + 3: Min. 9 million Euro	100%	100%	33%	66%	
7.	LOT 1 + 5: Min. 50 million Euro	100%	100%	10%	50%	
8.	LOT 2 + 3: Min. 9.3 million Euro	100%	100%	10%	50%	
9.	LOT 2 + 5: Min. 50 million Euro	100%	100%	10%	50%	
10.	LOT 3 + 5: Min. 51 million Euro	100%	100%	10%	50%	
11.	LOT 1 + 2 + 3: Min. 13 million Euro	100%	100%	10%	50%	
12.	LOT 1 + 2 + 5: Min. 55 million Euro	100%	100%	10%	50%	
13.	LOT 1 + 3 + 5: Min. 55 million Euro	100%	100%	10%	50%	
14.	LOT 2 + 3 + 5: Min. 55million Euro	100%	100%	10%	50%	
15.	LOT 1 + 2 + 3 + 5: Min. 60 million Euro	100%	100%	10%	50%	

4. Experience, (minimum score is 70%)

4.1 General Construction Experience

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	Submission of
<p>Experience with construction contracts in similar environment, in the role of contractor, partner, subcontractor, or management contractor in the last 5 years before the deadline for submission of the Application.</p> <p>Contracts similar to the planned works which were successfully completed. The similarity is related to "Urban WS and WW Infrastructure and physical size, complexity, methods, technology and other characteristics as shown in Section 5.</p> <p>a. At least 2 references for projects in East Europe and West/ Central Asia</p> <p>b. At least 1 reference for a project with a FIDIC Standard Form of Contract, (FIDIC Red or Yellow Book)</p>	<p>Max. 4 points per project</p> <p>Max 20 points</p> <p>Max 5 references</p> <p>Min 50%</p>	<p>Max. 4 points per project</p> <p>Max 20 points</p> <p>Max 5 references</p> <p>Min 50%</p>	No particular requirement	No particular requirement	Form EXP-4.1
<p>Applies for all LOTs and the <u>allowed</u> combinations and accordingly Form EXP-4.1 has to be filled.</p> <p>Volume of the contract share of the Applicant: minimum of 20% of the figures given in 3.2 for the minimum average annual turn-over as follows:</p> <p>LOT 1: Min. 0.8 million Euro</p> <p>LOT 2: Min. 0.9 million Euro</p> <p>LOT 3: Min 1. million Euro</p> <p>LOT 5: Min. 9.2 million Euro</p> <p>LOT 1 + 2: Min. 1.2 million Euro</p> <p>LOT 1 + 3: Min. 1.2 million Euro</p> <p>LOT 1 + 5: Min. 10 million Euro</p> <p>LOT 2 + 3: Min. 1.8 million Euro</p> <p>LOT 2 + 5: Min. 10 million Euro</p> <p>LOT 3 + 5: Min. 10.2 million Euro</p> <p>LOT 1 + 2 + 3: Min. 2.6 million Euro</p> <p>LOT 1 + 2 + 5: Min. 11 million Euro</p> <p>LOT 1 + 3 + 5: Min. 11. million Euro</p> <p>LOT 2 + 3 + 5: Min. 11. million Euro</p>					

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

LOT 1 + 2 + 3 + 5: Min. 12 million Euro.					
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4.2 Specific Construction Experience in Technical Key Activities

Criteria	Requirements			Documents
<p>Please Note:</p> <p>For all Technical Key Activities a Single Entity or a Joint Venture must present at least one acceptable Project Reference</p> <p>All technical references may not be older than 5 years</p> <p>Clear evidence of successful completion of works must be submitted, e.g. Client reference letter, etc.</p> <p>Otherwise the project reference cannot be considered in the evaluation.</p> <p>For the above or other contracts executed during the last 5 years, a minimum construction experience in the following key activities:</p> <p>Contracts completed according to the FIDIC Conditions of Contract (each with a volume of a minimum of 20% of the figures given in 3.2 for the average annual turn-over) and other contracts. 20% values are as follows:</p> <p>LOT 1: Min. 0.8 million Euro LOT 2: Min. 0.9 million Euro LOT 3: Min 1. million Euro LOT 5: Min. 9.2 million Euro LOT 1 + 2: Min. 1.2 million Euro LOT 1 + 3: Min. 1.2 million Euro LOT 1 + 5: Min. 10 million Euro LOT 2 + 3: Min. 1.8 million Euro LOT 2 + 5: Min. 10 million Euro LOT 3 + 5: Min. 10.2 million Euro LOT 1 + 2 + 3: Min. 2.6 million Euro LOT 1 + 2 + 5: Min. 11 million Euro LOT 1 + 3 + 5: Min. 11. million Euro LOT 2 + 3 + 5: Min. 11. million Euro LOT 1 + 2 + 3 + 5: Min. 12 million Euro.</p>	Single Entity	Joint Venture	Submission of	

LOT 1					
1. Implementation of in total min. 3 km sewers DN 250 - 600. One single contract must at least include the implementation of 1 km sewer larger than DN 500 with trench excavation depth of not less than 5 m in traffic areas	Max 4 points per project Max 12 points and 3 references	Max 4 points per project Max 12points and 3 references	no particular requirement	no particular requirement	Form EXP-4.2

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

with and state-of-the-art trench support systems.					
Minimum Score for "Technical Key Activities" Lot 1: Max 12 points, Min 8	Min 8 points	Min 8 points			

LOT 2					
1. Implementation of 2 km water transmission main not smaller than DN 600 and 8 km of water pipes DN 50 to 300 with river crossings.	4 points per project Max. 12 points and 3 references	4 points per project Max. 12 points and 3 references	no particular requirement	no particular requirement	Form EXP-4.2
Minimum Score for "Technical Key Activities" Lot 2: Max 12 points, Min 8	Min 8 points	Min 8 points			

LOT 3					
1. Implementation of water supply distribution network DN 50 to DN 300 of not less than 20 km. One single contract must at least indicate the implementation of 10 km water network.	Max 4 points per project Max. 12 points and 3 references	Max 4 points per project Max. 12 points and 3 references	no particular requirement	no particular requirement	Form EXP-4.2
Minimum Score for "Technical Key Activities" Lot 3: Max 12 points, Min 8	Min 8 points	Min 8 points			

LOT 5					
1. Implementation of water supply distribution network DN 50 to DN 300 of not less than 50 km. One single contract must at least indicate the implementation of 25 km water network.	Max 3 points per project Max 9 points and 3 references Min 50%	Max 3 points per project Max 9 points and 3 references Min 50%	no particular requirement	no particular requirement	Form EXP-4.2
2. Construction of 1 cylindrical water reservoir with a volume of not less than 1800 m ³	Max 2 points per project Max 6 points	Max 2 points per project Max 6 points			

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

	and 3 refer- ences Min 50%	and 3 refer- ences Min 50%			
3. Implementation of in total not less than 3 km sewers DN 250 - 600). One single contract must at least include the implementation of 1 km sewer larger than DN 500 with trench excavation depth of not less than 5 m in traffic areas with and state-of-the-art trench support systems.	Max 2 points per project Max 4 points and 2 references Min 50%	Max 2 points per project Max 4 points and 2 references Min 50%	no particular requirement	no particular re- quirement	Form EXP-4.2
4. Supply and installation of pumps and pipes for groundwater wells, deeper than 50 meters and an inner diameter min DN 400.	3 points per project Max 9 points and 3 references Min 50%	3 points per project Max 9 points and 3 references Min 50%	no particular require- ment	no particular re- quire- ment	Form EXP-4.2
5. Implementation of in total min 10 km sewers in urban areas DN 250 – 500. One single contract must at least include the implementation of 1 km sewer larger than DN 500 with trench excavation depth of not less than 5 m in traffic areas with and state-of-the-art trench support systems.	3 points per project Max 9 points and 3 references Min 50%	3 points per project Max 3 points and 3 references Min 50%	no particular require- ment	no particular re- quire- ment	Form EXP-4.2
6. Construction of wastewater pumping main not smaller than DN 500 and not less than 1 km length.	2 points per project Max 4 points and 2 refer- ences Min 50%	2 points per project Max 4 points and 2 references Min 50%			
7. Construction of sewage pumping stations including supply and installation of pumps and M&E equipment	4 points per project Max 8 points and 2 refer- ences Min 50%	4 points per project Max 8 points and 2 references Min 50%			
Max./ Min. Scores for “Technical Key Activities” Lot 5: Max 49 points; min 34,3	Min 70%	Min 70%			

5. Resources (minimum score is 70%)

Applies for all LOTs and the given combinations

5.1 Human Resources

(a) and (b) Overview of Applicant's Personnel

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partner combined	Each Partner	One Partner	
Minimum Requirement: The applicant's personnel structure must be suitable to handle the required Work Sections <ul style="list-style-type: none"> Organisational Structure of the company Separate list of personnel (permanent and temporary employees) with details on education and professional experience relevant for the project Separate list of Proposed key personnel available for the Contract 	Max. 10 points	Max 10 points	no particular requirement	no particular requirement	Form EXP-5.1(a) Form EXP-5.1(b)

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5
(c) Personnel to be employed on the Contract

Total Score for 5.1 (c): Personnel to be employed on the Contract” is based the estimated required personnel as shown in Table 3-1 hereafter, which also indicates for Form 5.1.c Curriculum Vitae, Max / Min Scores for each Lot and the combinations.

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	
<p>Minimum Requirements:</p> <p>1) The Contractor must propose a qualified Contractor’s Representative / Project Manager</p> <ul style="list-style-type: none"> • BSc (or higher) as Civil Engineer and 15 years of professional experience in construction management; • Managed at least 2 projects of similar size and nature during the last 10 years; • Good knowledge of FIDIC Standard Forms of Contract; • At least one project with FIDIC contract similar size and nature during the last 6 years; • Excellent English (speaking and writing). 	<p>Max 10 points</p> <p>Min. 70%</p>	<p>Max 10 points</p> <p>Min. 70%</p>	<p>No particular requirement</p>	<p>No particular requirement</p>	<p>Form EXP-5.1(c)</p>
<p>2) The Contractor must have in its staff qualified Site Manager(s). Proposals regarding number and qualification shall be made by the Applicant as deemed required for the successful implementation of all works. The candidates shall have</p> <ul style="list-style-type: none"> • BSc (or higher) as Civil Engineer and least 8 years of professional experience as Site Manager; • at least 2 projects of similar size and nature; • good knowledge of construction methods, technologies and standards; • Good knowledge of contract conditions and technical specifications; • Good English (speaking and writing). 	<p>Max 6 points per CV</p> <p>Max points depend on no. of site managers required acc. Table 3-1 below</p>	<p>Max 6 points per CV</p> <p>Max points depend on no. of site managers required acc. Table 3-1 below</p>	<p>No particular requirement</p>	<p>No particular requirement</p>	<p>Form EXP-5.1(c)</p> <p>Lot 1 to 3 and all twin combinations 1 site manager</p> <p>Lot 4 and triple Combination 2 site managers</p> <p>Lot 5 requires 3 site managers</p>
<p>3) The Contractor must have in its staff qualified Foreman. Proposals regarding number and qualification shall be made by the Applicant as deemed required for the successful implementation of all works.</p> <p>The candidates must have</p> <ul style="list-style-type: none"> • at least 10 years of professional experience as Foreman; • at least 2 projects for the construction of water supply and wastewater infrastructure; 	<p>Max 2 points per CV</p> <p>Max points depend on no. of site managers required acc.</p>	<p>Max 2 points per CV</p> <p>Max points depend on no. of site managers required acc. Table 3-1 below</p>	<p>No particular requirement</p>	<p>No particular requirement</p>	<p>Form EXP-5.1(c)</p>

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

• good knowledge of construction methods, technologies, specifications and standards.	Table 3-1 below				
3.1) Foremen for pipe laying with proven experience in pipe laying, general construction works with high groundwater levels	Scores acc. to line 3 above	Scores acc. to line 3 above			
3.2) Foremen for pipe relining	Scores acc. to line 3 above	Scores acc. to line 3 above			
3.3) Foremen for concrete works with proven experience in construction of water tight concrete structures	Scores acc. to line 3 above	Scores acc. to line 3 above			
4) Electromechanical Engineers with proven experience in installation of electrical and mechanical equipment for water supply and sewage infrastructures, only for Lot 5	Max. 4 points for one CV	Max. 4 points for one CV			
5) Quality Manager, only for Lots 4 and 5 and combination of Lots 1+2+3	Max. 4 points for one CV	Max. 4 points for one CV			

Table 3-1: Minimum required number of experts for each category for the Lots and Combination and Max / Min. scores for criteria 5.1 (c): Personnel to be employed on the Contract

Position/ Lot	Project Manager (1)	Site Manager (2)	Foreman for pipe laying (3.1)	Foreman for pipe relining (3.2)	Foreman for concrete works (3.3)	E&M Engineer (4)	Quality Manager (5)	Total Score for 5.1 (c): Personnel to be employed on the Contract"
	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	Max / Min
Lot 1	1 / 10	1 / 6	1 / 2	-	1 / 2	-		20 / 14
Lot 2	1 / 10	1 / 6	1 / 2	-	-	-		18 / 12,6
Lot 3	1 / 10	1 / 6	1 / 2	-	-	-		20 / 14
Lot 5	1 / 10	3 / 18	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	56 / 39.2
Lot 1+2	1 / 10	1 / 6	2 / 4	-	1 / 2	-	-	22 / 15.4
Lot 1+3	1 / 10	1 / 6	2 / 4	-	1 / 2	-	-	22 / 15.4
Lot 1+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 / 43.4
Lot 2+3	1 / 10	1 / 6	2 / 4	-	1 / 2	-	-	22 / 15.4
Lot 2+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 / 43.4
Lot 3+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 / 43.4
Lot 1+2+3	1 / 10	2 / 12	3 / 6	-	1 / 2	-	1 / 4	34 / 23.8
Lot 1+2+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 / 43.4
Lot 1+3+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 / 43.4
Lot 2+3+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 / 43.4

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

Position/ Lot	Project Mana- ger (1)	Site Mana- ger (2)	Fo- reman for pipe laying (3.1)	Foreman for pipe relining (3.2)	Foreman for con- crete works (3.3)	E&M Engi- neer (4)	Quality Manager (5)	Total Score for 5.1 (c): Personnel to be em- ployed on the Con- tract"
Lot 1+2+3+5	1 / 10	4 / 24	6 / 12	1 / 2	3 / 6	1 / 4	1 / 4	62 /43.4

5.2 Applicant's Equipment

Criteria	Requirements				Documents
	Single En- tity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	Submission of
a) The Applicant shall demonstrate that he has the knowledge of the type and quantity of equipment required to perform the works in question by applying most suitable equipment and state-of-the-art technologies in order to ensure that all quality requirements according to international standards can be complied with.	Maximum 7 points	Maximum 7 points	No particular requirement	No particular requirement	Form EXP 5.2
b) The Applicant shall demonstrate that he is in the possession of all required equipment, (list of main equipment and the respective use), or that he has the ability to obtain it, e.g. leasing it for the works. Sufficient information on the respective sources has to be included in the application.	Maximum 3 points	Maximum 3 points	No particu- lar require- ment	No particular requirement	Form EXP 5.2
Max./ Min. Scores for "5.2 Equipment: Max. 10 points; Min. 7"	Min 70%	Min 70%			

6. Minimum Requirements to Qualify

An Applicant must meet the minimum requirements for the Qualification Criteria "1. Eligibility, 2. Pending Litigation and 3. Financial Situation".

With regard to the Criteria 3.2 "Average Annual Construction Turnover" the requirements for all joint venture partners are specified in Chapter 3.2 above.

With regard to the Qualification Criteria "4. Experience and 5. Resources" only Applicants who will receive 70% of the total maximum points (as indicated in tables) will qualify.

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

Applicants must meet both the indicated minimum points (where defined) for each criteria, and 70% of the total maximum points for all criteria.

7. Evaluation Grid

The following screening system will be used for each criteria.

a) Eligibility

The qualification documents of the Applicants will be evaluated according to fulfilment of the defined requirements. If the requirements cannot be met the Applicant cannot be qualified.

b) Pending Litigation

The qualification documents of the Applicants will be evaluated according to fulfilment of the defined requirements. If the requirement cannot be met the Applicant cannot be qualified.

b) Financial Situation

The qualification documents of the Applicants will be evaluated according to fulfilment of the defined requirements. If the requirement cannot be met the Applicant cannot be qualified.

c) Scores for Experience and Resources

Table 3-2 presents the complete overview on the maximum and minimum scores for the qualification criteria 4 Experience and 5 Resources for all Lots and the allowed combination.

- That minimum for the totals is always 70 % of maximum points;
- That for some individual criteria also a lower score e.g. 50% is sufficient to qualify;
- That non-compliance with indicated minimum scores for individual criteria the application will not will not allow qualification.

Table 3-2: Maximum and Minimum Scores for Experience and Resources

Lot	4. Experience Max / Min	5.1 Human Re- sources	5.2 Equipment	Total 5. Resources	Grand Total Experience and Re- sources
	Max / Min	Max / Min	Max / Min	Max / Min	Max / Min
Lot 1	12/8	20 / 14	10 / 7	30 / 21	42 / 29
Lot 2	12/8	18 / 12,6	10 / 7	28 / 19,6	40 / 27.6
Lot 3	12/8	20 / 14	10 / 7	30 / 21	42 / 29
Lot 5	49/34,3	56 / 39.2	10/7	66 / 46,2	115 / 80,5
Lot 1+2	24/16	22 / 15.4	10 / 7	32 / 22,4	56 / 38.4
Lot 1+3	24/16	22 / 15.4	10 / 7	32 / 22,4	56 / 38.4
Lot 1+5	61/42,3	62 /43.4	10/7	72 / 50,4	133 / 92.7
Lot 2+3	24/16	22 / 15.4	10 / 7	32 / 22.4	56 / 38.4
Lot 2+5	61/42,3	62 /43.4	10/7	72 / 50,4	133 / 92.7
Lot 3+5	61/42,3	62 /43.4	10/7	72 / 50.4	133 / 92,7

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines: Package 1 Lots 1, 2, 3 and 5

Lot 1+2+3	36/24	34 / 23.8	10 / 7	44 / 30.8	145 / 100.7
Lot 1+2+5	73/50,3	62 /43.4	10 / 7	72 / 50.4	145 / 100.7
Lot 1+3+5	73/50,3	62 /43.4	10/7	72 / 50.4	145 / 100.7
Lot 2+3+5	73/50,3	62 /43.4	10/7	72 / 50.4	145 / 100.7
Lot 1+2+3+5	85/58,3	62 / 43.4	10 / 7	72 / 50.4	157 / 108.7
Note: „+“ = Full individual compliance for all Lots of the combination required and scores are added up accordingly					

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Section IV: Application Forms

Section IV: Application Forms

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1. Application Submission Sheet for Pre-Qualification

Date:

ICB No.:

To:

We, the undersigned, apply to be qualified

for the referenced ICB(s) _____

and declare the following.

- (a) We have examined and have no reservations to the Pre-qualification Documents, including Ad-denda No(s)....., issued in accordance with ITA Clause 8.
- (b) We, including any subcontractors or suppliers for any part of the contract(s) resulting from this qualification, do not have any conflict of interest in accordance with ITA Sub-Clause 4.4.
- (c) We, including any subcontractors or suppliers for any part of the contract(s) resulting from this qualification, have not been declared ineligible by KfW or any other international Donor. No sanctions by the UN Security Council have been imposed on us.
- (d) We are not a government-owned entity. ⁽¹⁾
- (e) We plan to subcontract the following key activities or parts of the works:
.....
.....
- (f) We declare that the following commissions, gratuities, or fees have been paid or are to be paid with respect to the pre-qualification process:

Name of Recipient	Address	Reason	Amount
.....
.....

(If none has been paid or is to be paid, indicate "none.")

- (g) We understand that you may cancel the Pre-qualification Process at any time and that you are not bound to accept any bid, without incurring any liability to the Applicants, in accordance with ITA Clause 26.

Name

In the capacity of

Signed

Duly authorized to sign the Application for and on behalf of

Date

(1) Government-owned entities must replace para (e) with the following statement: "We are a government-owned entity but meet the requirements of ITA sub-clause 4.6."

2. Declaration of Undertaking

We underscore the importance of a free, fair and competitive procurement process that precludes abusive practices. In this respect we have neither offered nor granted directly or indirectly any inadmissible advantages to any public servant or other person nor accepted such advantages in connection with our bid, nor will we offer or grant or accept any such incentives or conditions in the present procurement process or, in the event that we are awarded the contract, in the subsequent execution of the contract. We also declare that no conflict of interest exists in the meaning of the kind described in the corresponding Guidelines⁶.

We also underscore the importance of adhering to minimum social standards ("Core Labour Standards") in the implementation of the project. We undertake to comply with the Core Labour Standards ratified by the country of @ (name of country).

We will inform our staff about their respective obligations and about their obligation to fulfill his declaration of undertaking and to obey the laws of the country of @ (name of country). We also declare that our company/all members of the consortium has/have not been included in the list of sanctions of the United Nations, nor of the EU, nor of the German Government, nor in any other list of sanctions and affirm that our company/all members of the consortium will immediately inform the client and KfW if this situation should occur at a later stage.

We acknowledge that, in the event that our company (or a member of the consortium) is added to a list of sanctions that is legally binding on the client and/or KfW, the client is entitled to exclude our company/the consortium from the procurement procedure and, if the contract is awarded to our company/the consortium, to terminate the contract immediately if the statements made in the Declaration of Undertaking were objectively false or the reason for exclusion occurs after the Declaration of Undertaking has been issued.

.....
(Place)

.....
(Date)

.....
(Name of company)

.....
(Signature(s))

⁶

See "Guidelines for the Assignment of Consultants in Financial Cooperation with Partner Countries" and "Guidelines for Procurement of Goods, Works and associated Services in Financial Cooperation with Partner Countries"

Form ELI – 1.1: Applicant Information Sheet

Date:
 ICB No.:
 Pageof pages

The Applicant shall fill one Form

Applicant Information	
Applicant's legal name	
In case of JV, legal name of each member	
Applicant's country of constitution	
Applicant's year of constitution	
Applicant's legal address in country of constitution	
Applicant's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	
<p>Attached are copies of the following original documents:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITA 4.1 and 4.2. <input type="checkbox"/> 2. Authorization to represent the firm or JV named in above, in accordance with ITA 4.1. <input type="checkbox"/> 3. In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1. <input type="checkbox"/> 4. In case of a government-owned entity, any additional documents not covered under 1 above required to comply with ITA 4.6. 	

Authorized signature: _____

Name and function of the signatory: _____

Date of signing: ____/____/____

3. Form ELI – 1.2: JV Information Sheet

Date:
 ICB No.:
 Pageof pages

Each member of a JV and Specialist Subcontractors must fill in this form

JV / Specialist Subcontractor Information	
Applicant's legal name	
JV Partner's or Subcontractor's legal name	
JV Partner's or Subcontractor's country of constitution	
JV Partner's or Subcontractor's year of constitution	
JV Partner's or Subcontractor's legal address in country of constitution	
JV Partner's or Subcontractor's authorized representative information (name, address, telephone numbers, fax numbers, e-mail address)	
<p>Attached are copies of the following original documents.</p> <p><input type="checkbox"/> 1. Articles of incorporation or constitution of the legal entity named above, in accordance with ITA Sub-Clauses 4.1 and 4.2.</p> <p><input type="checkbox"/> 2. Authorization to represent the firm named above, in accordance with ITA Sub-Clause 4.1.</p> <p><input type="checkbox"/> 3. In the case of government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITA Sub-Clause 4.6.</p>	

4. Form LIT – 1: Pending Litigation

Applicant’s Legal Name:
 JV Partner Legal Name:

Date:
 ICB No(s):
 Pageof pages

Each Applicant or member of a JV must fill in this form

Pending Litigation			
<input type="checkbox"/> No pending litigation in accordance with Criteria 2.1 of Section 3.1 <input type="checkbox"/> Pending litigation in accordance with Criteria 2.1 of Section 3.1, as indicated below			
Year	Matter in Dispute	Value of Pending Claim in EURO Equivalent	Value of Pending Claim as a Percentage of Net Worth

5. Form FIN – 3.1: Financial Situation

Applicant's Legal Name:

Date:

JV Partner Legal Name:

ICB No(s):

Pageof pages

Each Applicant or member of a JV must fill in this form

	Financial Data for Previous 3 Years [EURO Equivalent]		
	Year 1:	Year 2:	Year 3:

Information from Balance Sheet

Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			

Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three years, as indicated above, complying with the following conditions. All such documents reflect the financial situation of the Applicant or partner to a JV, and not sister or parent companies.

Historic financial statements must be audited by a certified accountant.

Historic financial statements must be complete, including all notes to the financial statements.

Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

6. Form FIN – 3.2: Average Annual Construction Turnover

Applicant’s Legal Name:
 JV Partner Legal Name:

Date:
 ICB No(s):
 Pageof pages

Each Applicant or member of a JV must fill in this form

Annual Turnover Data for the Last 3 Years (Construction only)			
Year	Amount Currency	Exchange Rate	EURO Equivalent
Average Annual Construction Turnover			

The information supplied should be the annual turnover of the Applicant or each member of a JV in terms of the amounts billed to clients for each year for work in progress or completed, converted to EURO at the rate of exchange at the end of the period reported.

7. Form EXP – 4.1: General Construction Experience

Note: The “Employers Certificates” for each reference presented is to be provided; if not the respective reference will not be considered in the evaluation.

Applicant’s Legal Name:
 JV Partner Legal Name:
 Subcontractor’s Legal Name:

Date:
 ICB No(s):
 Page..... ofpages

One form per contract to be submitted.

General Construction Experience			
Contract No of	Contract Identification		
Award Date	Completion Date		
Role in Contract	<input type="checkbox"/> Contractor <input type="checkbox"/> Management Contractor <input type="checkbox"/> Subcontractor		
Total Contract Amount	EURO		
If partner in a JV or sub-contractor, specify participation of total contract amount	<table border="1"> <tr> <td>Percent of Total</td> <td>Amount</td> </tr> </table>	Percent of Total	Amount
Percent of Total	Amount		
Employer’s Name Address Telephone/Fax Number E-mail			
Project / Contract Description in accordance with Chapter 4.1 of Section 3			

8. Form EXP – 4.2: Specific Construction Experience in Technical Key Activities

Note: The “Employers Certificates” for each reference presented is to be provided; otherwise the respective reference will not be considered during evaluation.

Applicant’s Legal Name:
 JV Partner Legal Name:
 Subcontractor’s Legal Name:

Date:
 ICB No(s)
 Page..... ofpages

One form per contract to be submitted

Contracts with Specific Construction Experience in Technical Key Activities	
Contract No of	Contract Identifica- tion
Award Date	Completion Date
Role in Contract	<input type="checkbox"/> Contractor <input type="checkbox"/> Management Con- tractor <input type="checkbox"/> Subcontractor
Total Contract Amount	EURO
If partner in a JV or subcontractor, spec- ify participation of to- tal contract amount	Percent of Total Amount
Employer’s Name Address Telephone Number Fax Number E-mail	
Description of the key activities in accordance with Chapter 4.2 of Section 3	

9. Form EXP – 5.1(a): Overview of Applicant’s Personnel

Applicant’s Legal Name: Date:
JV Partner Legal Name: ICB No(s):
Subcontractor’s Legal Name: Page..... ofpages

Each Applicant or member of a JV must fill in this form. Each specialized Subcontractor must fill this form.

i - Organisational Structure of the Company (-ies)

ii Overview on the Contractor’s permanent personnel

- a - Directors and management
b - Administrative staff
c - Technical staff
- Engineers
- Surveyors
- Foremen
- Mechanics
- Technicians
- Machine operators
- Drivers
- Other skilled staff
- Labourers and unskilled staff

Total

iii - Organisational Structure of the JV, if any

10. Form EXP – 5.1(b): List of Personnel to be employed on the Contract for each LOT of the Application

Applicant’s Legal Name:

Date:

ICB No(s):

Pageofpages

Each Applicant must fill in one form for each LOT of the Application

Site operatives to be employed on the contract separate for each LOT of the Application

- a - Site management
- b - Administrative staff
- c - Technical staff
 - Engineers
 - Surveyors
 - Foremen
 - Mechanics
 - Technicians
 - Machine operators
 - Drivers
 - Other skilled staff
 - Laborers and unskilled staff

Total

LIST OF PERSONNEL TO BE EMPLOYED ON THE CONTRACT				
POSITION	NUMBER	TOTAL EXPERIENCE (years)	IN SAME POSITION (years)	FULL TIME POSITION REQUIRED (minimum key positions / plus proposals of the Applicant?)
Project Manager				X
Site Managers, (minimum one)				X
Foreman, (minimum one)				X
Civil Engineer				
M&E Engineer, (only Lot 5)				X
Electrical / SCADA Engineer				
Surveyor				
Road Works Engineer				
Quality Control Manager, (only for Lot 5 and triple/ quadruple combinations 1 + 2 + 3; 1+2+3+5)				X

Signature:

(person or persons authorised to sign on behalf of the Applicant)

Date:

11. Form EXP – 5.1(c): Template for CVs of Key-Personnel to be employed on the Contract, minimum as indicated Form 5.1(b) above, or proposed by the Applicant

Applicant’s Legal Name:

Date:

ICB No(s):

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- 1) Proposed Position
- 2) Family name:
- 3) First names:
- 4) Date of birth:
- 5) Nationality:
- 6) Civil status:
- 7) Education:

Institution:	
Date: from (m/y):	
to (m/y):	
Degree(s) or Diploma(s) obtained:	

Institution:	
Date: from (m/y):	
to (m/y):	
Degree(s) or Diploma(s) obtained:	

7. Language skills

Language	Reading	Speaking	Writing

1 basic, 2 fair, 3 good, 4 excellent

- 8. Present position
- 9. Years of employment with the APPLICANT
- 10. Key qualifications (relevant to proposed position)

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines, Package 1 Lots 1, 2, 3 and 5

11. Experience in Specific Countries

Country	Date: from (m/y) to (m/y) period of stay

14. Professional experience record

Date: from (m/y)	
to (m/y)	
Location	
Company	
Position	
Description of duties	

Date: from (m/y)	
to (m/y)	
Location	
Company	
Position	
Description of duties	

15. Others

Publications etc.

12. Form EXP – 5.2: Applicant’s Equipment

Applicant’s Legal Name:
 JV Partner Legal Name:

Date:
 ICB No(s):
 Page of pages

Equipment **proposed and available** for the performance of the contract:

- Describe each individual **major item** of equipment that you propose to deploy on the respective LOT. The equipment listed is to be assigned exclusively to the LOT for as long as required and must not form part of a pool of equipment used on another LOT or another Contract.
- In the case of a Joint Venture/Consortium, only one list is required, but the name of the partner owning particular items must be stated as applicable.
- The list may be expanded by the Applicant, if required.

	DESCRIPTION (type/make/model)	Power/ ca- pacity	No of units	Age (years)	Owned by (O ...) or hired (H)/ and percentage of ownership	Origin (country)	Present approxi- mate value in Euro
A)	CONSTRUCTION EQUIP- MENT						
					/		
					/		
					/		
					/		
					/		
					/		
B)	VEHICLES AND TRUCKS						
					/		
					/		
					/		
					/		

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines, Package 1 Lots 1, 2, 3 and 5

c)	OTHER EQUIPMENT				/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		

Signature:

(person or persons authorized to sign on behalf of the Applicant)

Date:

WWW.Sate.gr

Section V: Scope of Contract

Section V – Scope of Contract

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1 General information on the project area

Georgia, with a population of 4.95 million, is located in the southern Caucasus Region. Batumi, with a population of 130,000, is the capital and main economic hub of the Autonomous Republic of Adjara (ARA), one of the two Autonomous Republics in Georgia. Adjara is situated in the south-east of Georgia, bordering Turkey to the South. Adjara is a mountainous region with only Batumi and the Districts of Kobuleti and Khelvachauri situated on the coast.

The climate in Batumi is characterised by hot and humid summers and mild winters. Annual rainfall is high and well distributed over all seasons, with a minimum in late spring and a maximum in fall, leading to a general abundance of water. The hottest months are July and August, coldest is January.

Table 1: Average monthly and annual rainfall in Batumi, (mm per month and avg. annual total)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	avg.	Total
Avg. mm	251	205	183	137	104	183	172	247	273	295	270	268	216	2,590

Table 2: Average monthly and annual air temperature in Batumi in °C

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual avg.
Avg. °C	7.1	7.2	8.3	12.3	15.6	19.8	22.2	22.4	20.0	15.9	11.7	8.8	14.3

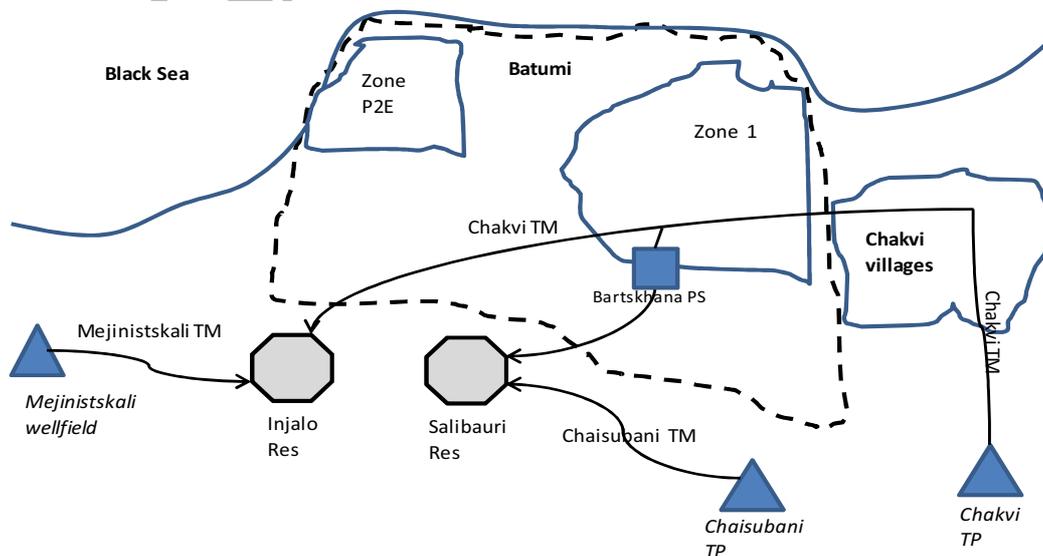
1.1 Project Background

The entire project for rehabilitation of the water supply and sewer infrastructure for Batumi is divided into three Phases, of which Phase I and II are already implemented.

1.2 Phase III components in the water sector

Overview on Phase III components for further water supply improvements is shown in Figure 5-1.

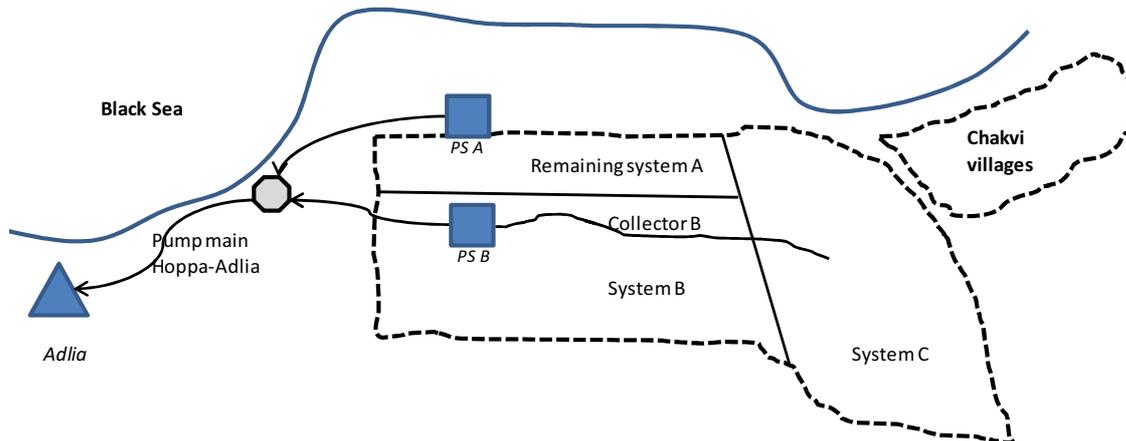
Figure 5-1: Sketch of Batumi water supply Phase III components



1.3 Phase III components in the sewerage sector

Phase III components for further wastewater infrastructure improvements are indicated in Figure 5-2.

Figure 5-2: Sketch of Batumi Phase III wastewater infrastructure components



2 Phase III - Scope of Contract

2.1 Lot 1

2.1.1 Work Section: Sewerage network construction for Coastal Villages area

The part of Sewer Network for coastal villages Sarpi, Kvariati, Gonio and Akhalsopeli was mostly designed under Phase II. There was a tender for the construction, and the network was built by the contractor under Phase II, except some remaining parts.

This Phase III involves the Detailed Design and the Construction of the rest of the sewer system for the village of Gonio, and part of Akhalsopeli-Kvariati villages.

The following remaining works in Gonio & Akhalsopeli/Kvariati villages shall be included in Lot 1 in the current Phase III:

- About 4.5 km gravity collectors;
- Effluent pipes from facilities, (some 6.5 km house of connections).

2.2 Lot 2

2.2.1 Work Section: Water transmission main from Chaisubani WTP – Zone 1

Lot 2 focuses on the construction of the Chaisubani TM and on the distribution network for users along it, (both network and house connections).

The DN 600 TM runs from the Chaisubani TP outlet, level 82.49masl, to the Salibauri reservoir, whose maximum level is 65.13 m. The total length of the Chaisubani TM is 4,409m DN 600, whereby:

- The old steel pipe (2,267 m) in the upstream shall be replaced by GRP DN 600 in this Phase III. The alignment of the new TM follows as close as possible the old DN 600 TM. The new DN 600 GRP pipe

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has to be laid, tested and connected prior to disconnection and removal of the existing DN 600 steel pipe.

- The downstream part (2,142 m) consists of a DN 600 GRP pipe which has been built in Phase II.

Distribution network associated to houses along this Chaisubani TM comprises

- 6,395 m of distribution pipes, all of them in PE, ranging from DN 63 up to DN 350.
- 2,473 m of house connections, all of them in PE, ranging from DN 32 up to DN 63.

2.3 Lot 3

2.3.1 Work Section: Water Supply network construction in Zone P2E

The Zone P2E is located, shown in colour in Figure 5-3 below courtesy of Phase II Consultant's, in the Southern Western part of Batumi along the shore of the Black Sea, which is the Zone P2E's Northern border. The start of the Mtisdziri street is the Zone P2E's Southern border, Choroki river its Western limit and the junction known as Hoppa its Eastern boundary point:

This area involves the construction / replacement in Zone P2E of some:

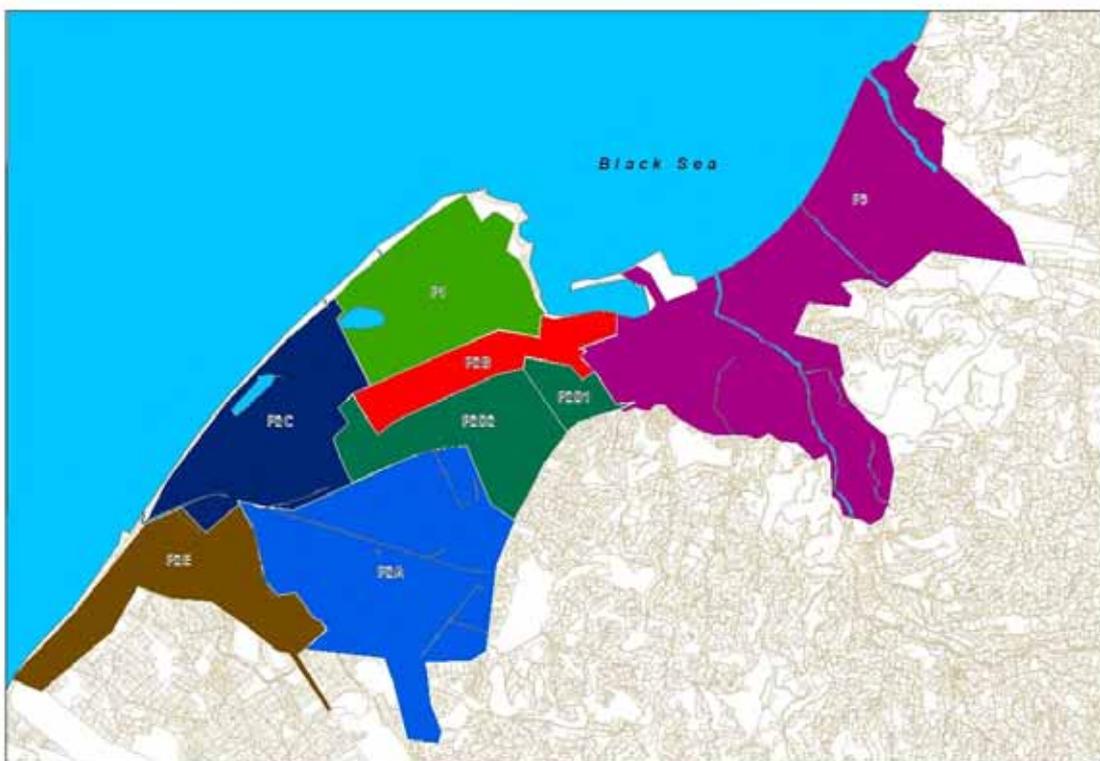
- 13,254 m of distribution pipes, all of them in PE, ranging from DN 63 up to DN 350.
- 4,408 m of house connections, all of them in PE, ranging from DN 32 up to DN 63.

The other notable points are as follow:

Washouts

There are three proposed washouts, two of which discharge into the Mejinistskali river, and the other into Shillin channel.

Figure 5-3: Batumi City water supply Zones (courtesy of Phase II Consultant)



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River and storm water crossings

There is one storm water channel. This channel is Shillin channel, which shall be replaced by a box culvert. As the depth between the road surface and the top of this culvert is 70cm, the Consultant proposes to lay the pipe (DN200) on top of this and provide suitable steel epoxy cover pipe.

Sewerage pumping mains on Angisa street

In Angisa street, width approximately 6m, are presently two DN 1000 wastewater pumping mains and one pipe of the existing distribution network. Both wastewater pumping mains lay approximately 1.5m below the road surface on the same side of the street; the side with less buildings. The distribution pipes shall be placed in one trench on the other side of the street, and the houses on the opposite side shall be connected via house connections that go over the wastewater pumping mains. Angisa street is a less important road and the area can be reached from Hoppa junction and from the other side. Therefore, the road will be closed for traffic during construction.

2.4 Lot 5
2.4.1 Work Section 5.1: Water supply network construction in Boni, Gorodok and Upper Gorodok, DMA 12b – Zone 1

The Zone 1 is located in the Northern Eastern part of Batumi City. The location along the shore of the Black Sea is shown in purple in Figure 5-3. The other borders are:

- Western border: Railway Station.
- Eastern border: BNZ area, Right Bank of Korolistkali River.
- Southern border: Upper Gorodok Area and Former military zone.

In this area in Boni, Gorodok and Upper Gorodok and DMA 12b, all being part of Zone 1 following works shall be implemented:

- 21,065 m of distribution pipes, all of them in PE, ranging from DN 63 up to DN 500.
- 10,839 m of house connections, all of them in PE, ranging from DN 32 up to DN 75.

Note that all the following issues are related to the entire Zone 1, both Boni, Gorodok and Upper Gorodok, DMA 12b.

River crossings

There are 13 river crossings to be implemented in Zone 1. Amongst these river crossings, 2 of them require the pipe to be laid under the river, and 11 of them require the pipe to be attached to the underside of the bridge. There are further 51 storm water channels to be crossed.

Railway crossings

4 Railway crossings need to be implemented in Zone 1, in accordance with Georgian Railway requirements.

Washouts

In addition to all river crossings, that all include washouts, there are 2 proposed additional washouts, both of which discharging into the Bartskhana River and its affluents.

Crossings with oil pipelines

There are 8 parallel oil pipes laid under Katamadze Street, and these pipes could create contamination in soil, and thus in water supply pipes.

Katamadze Street / Noneshvili Street crossing is the only zone above in which pipes are to be laid under the current Phase III. As such, and as the 8 oil pipes are laid into concrete channels, it is proposed to implement this crossing in accordance with Storm Water Collector crossings. Namely, over the whole crossing, water supply pipes will be protected by a steel casing cover pipe, injected with mass concrete, so as to prevent from potential oil infiltrations.

Removal of existing interconnections onto the Chakvi TM

CP 8 and CP 10 are connections onto the Chakvi TM at either extremity of Eristavi street, which is a street that will be rehabilitated by the Municipality as part of the ongoing Batumi road bypass project. As part of these road Works, Chakvi TM will be lowered by some 3 metres, and the CP 8 and CP 10 will be cancelled. Instead users will be connected to either a DN 110 or DN 500, depending on which side of the street the houses are on. As a consequence, the removal of these connections CP 8 and CP 10 is not part of the current Phase III. However, the 2 connections have to be removed as part of Phase III.

2.4.2 Work Section 5.2: Sewerage network rehabilitation in Boni and Upper Gorodok areas

The Upper Gorodok and Boni areas are proposed to be connected to the Main Collector B at Boni area. The following measures have been considered:

- Construction of 6.9 km of sewer collectors with a diameter ranging between DN 200 and DN 250 and with depths varying between 1.2 m to 4.0 m
- Construction of about 180 manholes with a depth between 1.5 m and 4.0 m;
- River crossing with insulated pipe hanging along existing bridge in a total length of 35 m.

2.4.3 Work Section 5.3: Water supply network construction in BNZ, Bartskana – Zone 1

This Area involves the construction / replacement in BNZ and Bartskana (both being part of Zone 1) of some:

- 12,788 m of distribution pipes, all of them in PE, ranging from DN 63 up to DN 350;
- 1,684 m of house connections, all of them in PE, ranging from DN 32 up to DN 75.

The other notable points are as included in the Work Section 5.1 above.

2.4.4 Work Section 5.4: Sewerage network construction in BNZ and Bartskhana areas

Sewerage System C, containing mainly BNZ and Bartskhana areas, is situated in the North of Batumi city, and presently discharges wastewater directly into the sea and it is not connected to either System A or B. As Sewerage System C is located in water supply zone 1, all rehabilitation measures in sewerage network C are to be implemented in parallel with the water supply network.

- Construction of 3 km of sewer collectors with a diameter ranging between DN 200 to DN 500 and with depth varying between 1.2 m and 6.0 m;
- Construction of about 190 manholes with depth between 1.5 m and 6.0 m.

2.4.5 Work Section 5.5: Sewerage pump mains construction D1 from PS-D1 to Bartskhana area and D2 d from PS-D2 to System B

This work section comprises the construction of two pumping mains and their related infrastructure:

Pumping Main D1, Design and Key Data

- Length of pipeline: 1,507 m
- Design flow: 127 l/s
- DN: 300
- Material: Steel
- Pressure (max): about 2.2 bar.

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The new Pumping Main DN 300 (PN 10) will be laid along the existing road parallel to the railway line and shall be made of Steel Grade B. The Main conveys the sewage from SPS D1 to the new sewer collector DN 500 in Bartskhane Area. At the endpoint of the main a reinforced concrete outlet chamber

will be constructed with the purpose that the main is always under water. In order to cross the creek at the km 1+402, the pumping main will be connected with hangers on an existing bridge over a length of 17 m and will be insulated (pre-fabricated).

Pumping Main D2, Design and Key Data

- Length of pipeline: 1,288 m
- Design flow: 197 l/s
- DN: 400
- Material: Steel
- Pressure (max): about 1.9 bar.

The new Pumping Main DN 400 will be laid along the existing roads called King Tamara Avenue and Gogoli St. and shall be made of Steel Grade B. The Main conveys the sewage from SPS D2 to the existing Main Collector B in Boni area. At the endpoint of the main a reinforced concrete Outlet chamber will be installed with the purpose that the Main is always under water. In order to cross the river Bartskhana, the pumping main will be connected with hangers on an existing bridge over a length of 16 m and will be insulated (pre-fabricated).

2.4.6 Work Section 5.6: Sewerage Pumping Stations at BNZ and Bartskhana

This work section comprises the construction of 2 sewage pumping stations

Pumping Station PS-D1

Construction of a Pumping Station with 3 (2 + 1) variable speed pumps with a total capacity of 127 l/s, HDT = 25 m and 54 kW. The pumping station depth has been calculated in 3.0 m.

Pumping Station PS-D2

Construction of a second Pumping station with 3 (2+1) variable speed pumps with a total capacity of 197 l/s, HDT = 20 m and 46 kW. The pumping station depth has been calculated at about 5.0 m.

Both pumping stations shall be equipped as follows:

- Automatic coarse screen
- Manually cleaned bar screen
- Wet well with level measurement
- Pumping unit (dry well)
- Bulk water meter
- Emergency generator
- Staff room with furniture
- Water supply connection
- Fence.

2.4.7 Work Section 5.7: Makhinjauri water reservoir construction
Water Reservoir General Characteristics

Makhinjauri reservoir volume is composed of two identical compartments (13.5 m x 11.6 m x 6.5 m), each of which is divided into two in the middle. The water compartments base slab has the slope of one per cent (1%) to enable cleaning of the reservoir during regular maintenance.

Inlet into the water reservoir compartments has been chosen by the top.

Description of the Selected Land Plot

The selected site is situated behind a former old hotel, and it can be reached by an existing road, some 200 m away from the Tbilisi-Batumi highway at a junction that is some 300 m south of the Makhinjauri railway station.

Water Supply and Sewerage Network in selected areas of Batumi, Pumping stations and Mains, Reservoirs, Transmission Lines, Package 1 Lots 1, 2, 3 and 5

Stand-by Chlorination System

A drip chlorine system is designed at the inlet water pipeline in the water reservoir valve chambers, which will be assured by means of a booster pump unit for injecting the appropriate chlorine solution, and that will be controlled and adjusted to the flows at the inlet water pipeline(s).

Operation Building Layout

An operation building has to be constructed at the end of the parking space between the entrance to the water reservoir site and the reservoir itself. The building is a simple one storey building 10m by 9m in overall dimension, and contains five rooms and a toilet.

Water Reservoir Pipelines and Ancillaries

All pipe ancillaries are designed on the basis of epoxy coated ductile iron pipes.

2.4.8 Work Section 5.8: Pumps and pipework for Mejinistskali well field

The investments for Mejinistskali well field under the Phase III project are limited to supply of some important components of technical equipment, like well pumps and pipe materials.

Presently, the suction tanks, 1 and 2, were found to be interlinked, thus preventing rehabilitation or maintenance of one while keeping in operation the other. Indeed, the walls of the tanks are leaking, particularly around the outlet pipework, and require significant rehabilitation.

The transformer for the so far non-rehabilitated wells had recently been rebuilt but the cables connecting it to the pumps are reportedly in a very poor situation. BTS requested to have a new transformer and pump control panels similar to those implemented under Phase I.

Two of the nine replaced pumps under Phase I are already damaged and require to be replaced. It is proposed to provide a further ten pumps as spare parts in case further pumps become damaged.

Since the discharge pipes are connected to each other, it is proposed to place gate valves downstream of the newly placed none return valves;

The Consultant supports the installation of bulk water meters on the nine newly replaced pumps that was foreseen in the Phase I and II Consultant's design report. The Consultant also proposes to add another two bulk water meters as spare. Similarly the Consultant proposes MCC's for each of the newly installed nine pumps with additional two spare.

Aside to the well field itself, three important other parts are to be included in this work section for other equipment and pipework, in view of a normal operation from Mejinistskali:

- Replacement of the steel DN 600 second outlet pipe from Injalo, between Injalo Reservoir and Chakvi TM, as well as its connection of it to the DN 800.
- On the node connecting to the DN 800, the valve chamber necessary to separate the flow must be installed.
- Switch-off devices have to be considered for the Mejinistskali booster pumps.

2.4.9 Work Section 5.9: Water hammer prevention equipment

Water hammer prevention equipment required under Phase III is summarized in the table below, in terms of equipment design or procedure definition. They are based on the 2025 horizon and should be implemented as part of Phase III works. Salibauri and Injalo reservoirs are not concerned with these recommendations.

Equipment in Main valve on Chakvi TM: DN 200 surge relief valve:

- Calibration pressure = 70 mWC
- Maximum discharge = 580 l/s
- Corresponding upsurge = 2.7 bars.

For Mejinistskali pumps, start / stop double ramps are also desirable, if not in place already.