



**THE REPUBLIC OF GEORGIA**



**Municipality of Batumi**

**GERMAN FINANCIAL CO-OPERATION WITH GEORGIA**

---

**Loan No: BMZ 2011 66 719/ BMZ 2013 97 728**  
**Project Name: Rehabilitation of Municipal Water Supply & Wastewater**  
**Infrastructure in Batumi – Phase III**

**Pre-Qualification Documents**  
**for**  
**Batumi III, Tender Package 3**

**Stormwater Works - Pumping station and associated**  
**basins, Collectors and Channels**

**Works and Supply Contract**

**July 2017**

**Issued:**  
**ICB No.:**  
**Employer:**

**July 2017**  
**KFW/BMZ 2011 66 719/BATUMI/PH-III/C-3**  
**Municipality of Batumi**

## **Table of Contents**

- Section I: Instructions to Applicants**
- Section II: Application Data Sheets**
- Section III: Qualification Criteria**
- Section IV: Application Forms**
- Section V: Scope of Contract**

## **Section I: Instructions to Applicants**

## Section I: Instructions to Applicants

### Table of Contents

A.	General .....	1
1.	Scope of Application.....	1
2.	Source of Funds .....	1
3.	Corrupt Practices .....	1
4.	Eligible /Ineligible Applicants.....	3
5.	Eligible Materials, Equipment and Services.....	3
B.	Contents of Qualification Document.....	4
6.	Sections of the Qualification Document.....	4
7.	Clarification of the Qualification Document.....	4
8.	Amendment of Qualification Document .....	4
C.	Preparation of Applications.....	4
9.	Cost of Applications.....	4
10.	Language of Applications.....	5
11.	Documents comprising the Application .....	5
12.	Application Submission Sheet .....	5
13.	Documents Establishing the Eligibility of the Applicant.....	5
14.	Documents establishing the Qualifications of the Applicant .....	5
15.	Signing of the Application and Number of Copies.....	5
D.	Submission of Applications.....	6
16.	Sealing and Marking of Applications .....	6
17.	Deadline for Submission of Applications.....	6
18.	Late Applications .....	6
19.	Opening of Applications .....	6
E.	Evaluation of Applications.....	6
20.	Confidentiality .....	6
21.	Clarifications of Applications .....	6
22.	Responsiveness of Applications.....	7
23.	Margin of Preference.....	7
24.	Subcontractors .....	7
F.	Prequalification of Applicants .....	7
25.	Evaluations of Applications .....	7
26.	Employer’s Right to Accept or Reject Applications .....	8
27.	Qualification of Applicants .....	8
28.	Notification of Qualification .....	8
29.	Invitation to Bid .....	8
30.	Changes in Qualifications of Applicants .....	8

<b>A. General</b>	
<b>1. Scope of Application</b>	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.
<b>2. Source of Funds</b>	<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>
<b>3. Corrupt Practices</b>	<p>3.1 The Bank requires that all beneficiaries of its funding, as well as Bidders, Suppliers, Contractors, and Consultants participating in projects which it finances, adhere to the highest ethical standards, both during the selection process and throughout the execution of a contract.</p> <p>3.2 In pursuance of this policy, the Agency defines the terms set forth below as follows:</p> <p>(a) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;</p> <p>(b) “fraudulent practice” is a misrepresentation or omission of facts in order to influence a selection process or the execution of a contract;</p> <p>(c) “collusive practices” is a scheme or arrangement between two or more consultants with or without the knowledge of the Client, designed to establish prices at artificial, non-competitive levels;</p> <p>(d) “coercive practices” is harming or threatening to harm, directly or indirectly, persons or their property to influence their</p>

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

	<p>participation in a procurement process, or affect the execution of a contract.</p> <p>(e) “obstructive practices” is</p> <p>(aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an Agency investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or</p> <p>(bb) acts intended to materially impede the exercise of the Agency’s inspection and audit rights provided for under the Contract.</p> <p>3.3 As a result of its own investigations and findings, and in accordance with its procedures, the Agency will:</p> <p>a) 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 in question;</p> <p>b) cancel the portion of the funding allocated to a contract if it determines at any time that representatives of the Employer were engaged in corrupt, fraudulent, collusive or coercive practices during the selection process or the execution of the contract, without the Employer having taken timely and appropriate action satisfactory to the Agency to remedy the situation;</p> <p>c) sanction a firm or individual, including declaring them ineligible ineligible, either indefinitely or for a stated period of time, to be awarded a contract financed by the Agency if at any time determines that the Bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a contract financed by the Agency.</p> <p>3.4 The Agency reserves the right, when it has been established by a national or international organization that a firm has engaged in corruption or fraud, to declare such firm ineligible to contracts financed by the Agency for a stated period.</p> <p>3.5 The Agency will have the right to require that a provision be included in contracts which it finances, requiring bidders, suppliers, contractors and consultants to permit the Agency to inspect their accounts and records and other documents relating to contract performance and to have them audited by auditors appointed by the Agency.</p> <p>3.6 All communications between Bidders and the Purchaser concerning fraud and corruption must be in writing.</p> <p>3.7 The Employer declares that the negotiation, the procurement, and the execution of the Contract has not been, and will not be subject to actions that would or could constitute corrupt practice as defined in the United Nations Convention to combat corruption dated 31 October 2003.</p>
--	--

<p><b>4. Eligible /Ineligible Applicants</b></p>	<p>4.1 An Applicant shall be a private, public or government owned legal entity, subject to ITA 4.6, or any combination of them with the 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, unless otherwise specified in the ADS, (i) all parties shall be jointly and severally liable, and (ii) there will be no limitation on the number of parties.</p> <p>4.2 At the time of bidding, the Bidder shall undertake to:</p> <p>a) comply and ensure that its subcontractors, if any, comply with international environmental and labour standards consistent with applicable law and regulations in the country of implementation of the Project, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties;</p> <p>b) adopt any environmental and social risk mitigations measures as defined in the environmental and social management plan or the notice of environmental and social impact issued by the Employer</p> <p>4.3 This Invitation for Pre-Qualification is open to all eligible candidates fulfilling the criteria stated in the ADS, subject to the following restrictions.</p> <p>4.4 Applicants shall not have a conflict of interest. Applicants (including all partners of a joint venture and all subcontractors) shall be considered to have a conflict of interest, if they participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of this prequalification.</p> <p>4.5 A firm shall submit only one bid in the same bidding process, either individually as a Bidder or as a partner of a joint venture. No firm can be a subcontractor while submitting a bid individually or as a party of a joint venture in the same bidding process. A firm, if acting in the capacity of Subcontractor in any bid, may participate in more than one bid, but only in that capacity. A Bidder who submits, or participates in, more than one bid will cause all the proposals in which the Bidder has participated to be disqualified.</p> <p>4.6 An Applicant/ Bidder that is under a declaration of ineligibility by the Agency in accordance with ITA Clause 3, at the date of the deadline for bid submission or thereafter, shall be disqualified.</p> <p>4.7 Applicants shall be excluded if they are under international sanction as indicated in the ADS.</p> <p>4.8 Government-owned entities shall be eligible only if they can establish that they are legally and financially autonomous, and operate under commercial law.</p> <p>Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.</p>
<p><b>5. Eligible Materials, Equipment and Services</b></p>	<p>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.</p>

<b>B. Contents of Qualification Document</b>	
<b>6. Sections of the Qualification Document</b>	<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>
<b>7. Clarification of the Qualification Document</b>	<p>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.</p>
<b>8. Amendment of Qualification Document</b>	<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> <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.</p>
<b>C. Preparation of Applications</b>	
<b>9. Cost of Applications</b>	



## Stormwater Works – Pumping station and associated basins, Collectors and Channels

	<p>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.</p>
<p><b>10. Language of Applications</b></p>	<p>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.</p>
<p><b>11. Documents comprising the Application</b></p>	<p>11.1 The Application shall comprise the following:</p> <ul style="list-style-type: none"> <li>(a) Application Submission Sheet, in accordance with ITA Clause 12;</li> <li>(b) written confirmation authorizing the signatory of the application to commit the Applicant, in accordance with Section 1, ITA Sub-Clause 15.3;</li> <li>(c) documentary evidence establishing the Applicant’s eligibility to qualify, in accordance with ITA Clause 13;</li> <li>(d) documentary evidence establishing the Applicant’s qualifications, in accordance with ITA Clause 14;</li> </ul> <p>any other document required as specified in the ADS.</p>
<p><b>12. Application Submission Sheet</b></p>	<p>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.</p>
<p><b>13. Documents Establishing the Eligibility of the Applicant</b></p>	<p>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.</p>
<p><b>14. Documents establishing the Qualifications of the Applicant</b></p>	<p>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.</p>
<p><b>15. Signing of the Application and Number of Copies</b></p>	<p>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 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</p>

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

	<p>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>
<b>D. Submission of Applications</b>	
<b>16. Sealing and Marking of Applications</b>	<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>
<b>17. Deadline for Submission of Applications</b>	<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>
<b>18. Late Applications</b>	<p>18.1 Late Applications will be rejected.</p>
<b>19. Opening of Applications</b>	<p>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.</p>
<b>E. Evaluation of Applications</b>	
<b>20. Confidentiality</b>	<p>Information relating to the evaluation of Applications, and recommendation for qualification, shall not be disclosed to Applicants or any other persons not officially concerned with the process until the notification of qualification is made to all Applicants.</p>
<b>21. Clarifications of Applications</b>	<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</p>

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

	<p>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>
<b>22. Responsiveness of Applications</b>	22.1 The Employer may reject any Application which is not responsive to the requirements of the Prequalification Document.
<b>23. Margin of Preference</b>	23.1 If so indicated in the ADS, a margin of preference shall apply in the bidding process resulting from this prequalification.
<b>24. Subcontractors</b>	<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 ELI-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>
<b>F. Prequalification of Applicants</b>	
<b>25. Evaluations of Applications</b>	<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. The use of other factors, methods or criteria shall not be permitted. The Employer reserves the right to waive minor deviations in the qualification criteria if they do not materially affect the capability of an Applicant to perform the contract.</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. In case of multiple contracts, the Employer shall prequalify each Applicant for the maximum number and types of contracts for which the Applicant meets the appropriate aggregate requirements of such contracts, as specified in Section III, Qualification Criteria.</p>

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

<b>26. Employer's Right to Accept or Reject Applications</b>	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.
<b>27. Qualification of Applicants</b>	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.
<b>28. Notification of Qualification</b>	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.
<b>29. Invitation to Bid</b>	<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>
<b>30. Changes in Qualifications of Applicants</b>	<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. 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. or</p> <p>(c) if in the opinion of the Employer, a substantial reduction in competition may result.</p> <p>30.2 Any such change shall be submitted to the Employer not later than fourteen (14) days after the date of the Invitation to Bid.</p>

## **Section II: Application Data Sheets**

## Section II: Application Data Sheets

### Table of Contents

A.	General.....	1
B.	Contents of the Prequalification Document.....	1
C.	Preparation of Applications .....	2
D.	Submission of Applications .....	3
E.	Evaluation of Applications .....	4
F.	Prequalification of Applicants.....	4

**A. General**

<b>ITA 1.1</b>	<p>Applicants can apply for a single LOT or for the following combinations of this Tender Package 3:</p> <p>Lot 1 + 2  Lot 1 + 3  Lot 2 + 3  Lot 1 + 2 + 3</p> <p>The name of the Employer is the <b><i>Municipality of Batumi.</i></b></p>
<b>ITA 1.1</b>	<p>The identification number of the ICB is</p> <p>For Lot 1: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 1  For Lot 2: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 2  For Lot 3: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 3  For Lot 1+2: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 1+2  For Lot 1+3: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 1+3  For Lot 2+3: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 2+3  For Lot 1+2+3: KFW/BMZ 2011 66 719/Batumi/PH III/C 3/lot 1+2+3</p>
<b>ITA 2.1</b>	<p>The name of the Project is:  <b><i>Rehabilitation of Municipal Water Supply and Wastewater Infrastructure in Batumi – Phase III</i></b></p>
<b>ITA 4.1</b>	<p>In the case of a JV, all parties to the JV shall be jointly and severally liable.</p>

**B. Contents of the Prequalification Document**

<b>ITA 7.1</b>	<p>For clarification purposes only, the Employer address is:</p> <p>Attention:  Mr. Jaba Tugushi, Deputy Head of Department  Property Management and Economic Policy Department  25 Luka Asatiani Str.  City: Batumi  ZIP Code: 6010  Country: Georgia  Telephone/Fax:+995222 72607</p> <p>Electronic mail address: <a href="mailto:batumiproject@gmail.com">batumiproject@gmail.com</a> copy to  <a href="mailto:kathrin.prasse@kfw.de">kathrin.prasse@kfw.de</a> and to the Consultant <a href="mailto:consultant.egisbatumi@gmail.com">consultant.egisbatumi@gmail.com</a>;  <a href="mailto:boris.jovkov@googlemail.com">boris.jovkov@googlemail.com</a></p> <p>Requests for clarification should be directed to the Employer exclusively by e-mail</p>
----------------	---

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

	and will be replied to by e-mail.
--	-----------------------------------

### C. Preparation of Applications

<b>ITA 11.1 (a)</b>	The Application must clearly state for which LOT or LOTs it refers to.
<b>ITA 11.1 (e)</b>	The Applicant shall submit with its application the following additional documents:  (a) KfW Form for “Declaration of Undertaking”

<b>ITA 15.2</b>	In addition to the original, the number of copies to be submitted with the application is: <b>3</b>  <b>One of the 3 copies shall be directly submitted to KfW Frankfurt.</b>
<b>ITA 15.3</b>	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 for the named “Representative”.



## D. Submission of Applications

ITA 16.1	Add (d): Indicate the LOT(s) for which the applicant intends to qualify
ITA 17.1	<p>For application submission purposes, the Employer's address is:  Submit the original and two copies to:  Batumi Municipality City Hall  Mayor of Batumi  Mr. Georgi Ermakovi  25 Luka Asatiani Str.  Batumi  ZIP Code: 6010  Country: Georgia  Telephone: +995422 272607  Electronic mail address: <a href="mailto:batumiproject@gmail.com">batumiproject@gmail.com</a>, <a href="mailto:jaba.tugushi@gmail.com">jaba.tugushi@gmail.com</a>,  <a href="mailto:j.tugushi@batumi.ge">j.tugushi@batumi.ge</a></p> <p>The deadline for application submission is:  Date: 29th August 2017  Time: 4:00 pm</p>
	<p><b>Submit the third copy simultaneously to:</b>  KfW Development Bank  Dept LEe-3  Attn. Ms Kathrin Prasse  Palmengartenstr. 5-9  60325 Frankfurt am Main  Federal Republic of Germany  The deadline only applies for submission to the Employer</p>

## E. Evaluation of Applications

ITA 23.1	No margin of preference shall apply in the bidding process corresponding to this Qualification.
ITA 24.2	<p>The onsite labour works shall be carried out in the majority by the Applicant's/ all partners of the JV's own resources, under no circumstances shall more than 30% of these works be carried out by subcontractors.</p> <p>The Applicant agrees that the following percentage of the cost of contract performance will be incurred by the Applicant/all partners of the JV: At least 70 percent of the cost of contract performance incurred for personnel on the construction site shall be expended for employees of the Applicant/all partners of the JV, not subcontractors.</p> <p>Burden of proof is with the Applicant at any time. Deviations shall be deemed as a contractor's breach under the contract.</p>
ITA 24.3	The Employer does not intend to execute certain specific parts of the Works by Sub-contractors selected in advance, nominated Subcontractors.
ITA 25.3	If the prequalification is for multiple contracts, the methods and qualification criteria to determine the combination of contracts for which the Applicant will prequalify shall be as specified in Section III, Qualification Criteria.

## F. Prequalification of Applicants

ITA 26.2	<p><b>Add the following paragraph:</b></p> <p>The Employer reserves the right to:</p> <ol style="list-style-type: none"> <li>a) Amend the scope of the Lots (detailed information will be given in the Tender Documents</li> <li>b) Reject or accept any application.</li> <li>c) Cancel the prequalification process and reject all applications.</li> <li>d) Cancel the prequalification process for any single lot or combination while accepting the results of the prequalification process for other Lots or combinations</li> <li>e) Prequalify applicants only for one Lot, even if they had applied for one of the given combinations</li> </ol>
----------	---

## **Section III: Qualification Criteria**

## Section III: Qualification Criteria

### Table of Contents

1.	Eligibility .....	1
1.1	Conflict of Interest .....	1
1.2	Eligibility .....	1
1.3	Bank Eligibility.....	1
1.4	Government-owned Entity.....	2
2.	Pending Litigation .....	2
2.1	Pending Litigation .....	2
3.	Financial Situation .....	3
3.1	Historical Financial Performance.....	3
3.2	Average Annual Construction Turnover .....	3
4.	Experience (minimum score is 50%).....	4
4.1	General Construction Experience.....	4
4.2	Specific Construction Experience in Technical Key Activities .....	5
5.	Resources (minimum score is 70%).....	7
5.1	Human Resources .....	7
5.2	Applicant’s Equipment .....	10
6.	Minimum Requirements to Qualify.....	10
7.	Evaluation Grid .....	11

## 1. Eligibility

### 1.1 Conflict of Interest

Criteria	Requirements				Documents
	Single Entity	Joint Venture			
		All Partners Combined	Each Partner	One Partner	Submission of
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	Submission of
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 1.2 million Euro
- 2) LOT 2 not less than 0.8 million Euro
- 3) LOT 3 not less than 1.0 million Euro

And for the combinations

- 4) LOT 1 + 2 not less than 2.0 million Euro
- 5) LOT 1 + 3 not less than 2.1 million Euro
- 6) LOT 2 + 3 not less than 1.8 million Euro
- 7) LOT 1 + 2 + 3 not less than 3.0 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.

Stormwater Works – Pumping station and associated basins, Collectors and Channels

**1.4 Government-owned Entity**

Criteria	Requirements				Documents
	<b>Single Entity</b>	<b>Joint Venture</b>			<b>Submission of</b>
		<b>All Partners Combined</b>	<b>Each Partner</b>	<b>One Partner</b>	
Applicant is 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
	<b>Single Entity</b>	<b>Joint Venture</b>			<b>Submission of</b>
		<b>All Partners Combined</b>	<b>Each Partner</b>	<b>One Partner</b>	
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			
		All Partners Combined	Each Partner	One Partner	
					Submission of

#### 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
---	-----------------------	----------------	-----------------------	----------------	---------------------------------

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 Bidder should be given 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			
		All Partners Combined	Each Partner	Lead Partner	
					Submission of

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
Lot 1: Min. 12 million Euro	100%	100%	33%	66%	
Lot 2: Min. 8 million Euro	100%	100%	33%	66%	
Lot 3: Min. 10 million Euro	100%	100%	33%	66%	
Lot 1 + 2: Min 20 million Euro	100%	100%	20%	50%	
Lot 1 + 3: Min 22 million Euro	100%	100%	20%	50%	
Lot 2 + 3: Min. 18 million Euro	100%	100%	20%	50%	
Lot 1 + 2 + 3: Min 30 million Euro	100%	100%	10%	50%	

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

**4. Experience (minimum score is 50%)****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 <b>last 5 years</b> 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 Drainage Infrastructure” and physical size, complexity, methods, technology and other characteristics as shown in Section 5.</p> <p>1) At least 2 references for projects in East Europe and West/ Central Asia</p> <p>2) 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	<b>Form EXP-4.1</b>
<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 <b>20% of the figures given in 3.2</b> for the minimum average annual turn-over as follows:</p> <p>LOT 1: Min. 2.4 million Euro</p> <p>LOT 2: Min. 1.6 million Euro</p> <p>LOT 3: Min 2.0 million Euro</p> <p>LOT 1 + 2: Min. 4.0 million Euro</p> <p>LOT 1 + 3: Min. 4.4 million Euro</p> <p>LOT 2 + 3: Min. 3.6 million Euro</p> <p>LOT 1 + 2 + 3: Min. 6.0 million Euro</p>					



## Stormwater Works – Pumping station and associated basins, Collectors and Channels

## 4.2 Specific Construction Experience in Technical Key Activities

Criteria	Requirements			Documents	
<p><b>Please Note:</b></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 <b>successful</b> completion of works must be submitted, e.g. Client reference letter, etc. 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, each with a volume of a minimum of 15% of the figures given in 3.2 for the average annual turn-over. 15% values are as follows:</p> <p>LOT 1: Min. 1.8 million Euro            LOT 2: Min. 1.2 million Euro            LOT 3: Min. 1.5 million Euro            LOT 1 + 2: Min. 3.0 million Euro            LOT 1 + 3: Min. 3.3 million Euro            LOT 2 + 3: Min. 2.7 million Euro            LOT 1 + 2 + 3: Min. 4.5 million Euro</p> <p>Contract conditions according to FIDIC will be of advantage</p>	<b>Single Entity</b>	<b>Joint Venture</b>			<b>Submission of</b>
		<b>All Partners Combined</b>	<b>Each Partner</b>	<b>One Partner</b>	

Criteria	Requirements			Documents	
<b>LOT 1</b>					
1. Implementation of stormwater pumping stations. One single contract must include the implementation of 1 stormwater pumping stations with a capacity of 1.0 m <sup>3</sup> /s at least. A second contract must include the implementation of 1 retention basin with a volume of at least 500 m <sup>3</sup> .	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	<b>Form EXP-4.2</b>
<b>Minimum Score for “Technical Key Activities” Lot 1:            Max 12 points, Min 6</b>	<b>Min 6 points</b>	<b>Min 6 points</b>			

Criteria	Requirements			Documents	
<b>LOT 2</b>					
1. Implementation of stormwater collectors. One single contract must include the implementation of at least 1.0 km stormwater collectors, rectangular.	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	<b>Form EXP-4.2</b>
<b>Minimum Score for “Technical Key Activities” Lot 2:            Max 12 points, Min 6</b>	<b>Min 6 points</b>	<b>Min 6 points</b>			

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

<b>LOT 3</b>					
1. Rehabilitation of stormwater collectors. One single contract must include the implementation of at least 0.5 km Stormwater Pipe with ND 1000.	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	<b>Form EXP-4.2</b>
<b>Minimum Score for “Technical Key Activities” Lot 3: Max 12 points, Min 6</b>	<b>Min 6 points</b>	<b>Min 6 points</b>			

**5. Resources (minimum score is 70%)**

**Applies for all LOTs and the given combinations**

**5.1 Human Resources**

**(a) an (b) Overview of Applicant’s Personnel**

Criteria	Requirements				Documents
	Single Entity	Joint Venture			Submission of
		All Partners 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"> <li>• Organisational structure of the company (ies)</li> <li>• <b>Separate list</b> of personnel (permanent and temporary employees) with details on education and professional experience relevant for the project</li> <li>• <b>Separate list of Proposed key personnel</b> available for the Contract</li> </ul>	Maximum 10 points	Maximum 10 points	no particular require- ment	no particular require- ment	<b>Form EXP-5.1(a)</b> <b>Form EXP-5.1(b)</b>

## Stormwater Works – Pumping station and associated basins, Collectors and Channels

**(c) Personnel to be employed on the Contract**

Total Score for 5.1 (c): Personnel to be employed on the Contract” is based on 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			Submission of
		All Partners Combined	Each Partner	One Partner	
<p>Minimum Requirements:</p> <p>1) The Contractor must propose a qualified <b>Contractor’s Representative / Project Manager</b></p> <ul style="list-style-type: none"> <li>• BSc (or higher) as Civil Engineer and 15 years of professional experience in construction management;</li> <li>• Managed at least 2 projects of similar size and nature during the last 10 years;</li> <li>• Good knowledge of FIDIC Standard Forms of Contract;</li> <li>• At least one project with FIDIC contract similar size and nature during the last 6 years;</li> <li>• Excellent English (speaking and writing).</li> </ul>	<p>Max 10 points</p> <p>Min. 70%</p>	<p>Max 10 points</p> <p>Min. 70%</p>	No particular requirement	No particular requirement	<b>Form EXP-5.1(c)</b>
<p>2) The Contractor must have in its staff qualified <b>Site Manager(s)</b>. 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"> <li>• BSc (or higher) as Civil Engineer and least 8 years of professional experience as Site Manager;</li> <li>• at least 2 projects of similar size and nature;</li> <li>• good knowledge of construction methods, technologies and standards;</li> <li>• Good knowledge of contract conditions and technical specifications;</li> <li>• Good English (speaking and writing).</li> </ul>	<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>	No particular requirement	No particular requirement	<p><b>Form EXP-5.1(c)</b></p> <p>Lot 1 to 3 and all twin combinations 1 site manager; the triple combination 2 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"> <li>• at least 10 years of professional experience as Foreman;</li> <li>• at least 2 projects for the construction of water supply and wastewater infrastructure;</li> <li>• good knowledge of construction methods, technologies, specifications and standards.</li> </ul>	<p>Max 2 points per CV</p> <p>Max points depend on no. of foremen required acc. Table 3-1 below</p>	<p>Max 2 points per CV</p> <p>Max points depend on no. of foremen required acc. Table 3-1 below</p>	No particular requirement	No particular requirement	Form EXP-5.1(c)

**Stormwater Works – Pumping station and associated basins, Collectors and Channels**

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 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 1 and the combinations with Lot 1.	Max. 4 points per CV	Max. 4 points per CV			
5) Quality Manager, only for Lot 1 and the combination with Lot 1.	Max. 4 points per CV	Max. 4 points per 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 concrete works (3.2)	E&M Engi- neer (4)	Quality Manager (5)	<b>Total Score for 5.1 (c): Personnel to be em- ployed on the Con- tract"</b>
	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	No/ Max Score	<b>Max / Min</b>
Lot 1	1 / 10	1 / 6	-	1 / 2	1 / 4	1 / 4	<b>26 / 18.2</b>
Lot 2	1 / 10	1 / 6	-	1 / 2	-		<b>18 / 12.6</b>
Lot 3	1 / 10	1 / 6	1 / 2	1 / 2	-		<b>20 / 14.0</b>
Lot 1+2	1 / 10	1 / 6	-	2 / 4	1 / 4	1 / 4	<b>28 / 19.6</b>
Lot 1+3	1 / 10	1 / 6	1 / 2	2 / 4	1 / 4	1 / 4	<b>30 / 21.0</b>
Lot 2+3	1 / 10	1 / 6	1 / 2	2 / 4	-	-	<b>22 / 15.4</b>
Lot 1+2+3	1 / 10	2 / 12	1 / 2	3 / 6	1 / 4	1 / 4	<b>38 / 26.6</b>

## 5.2 Applicant's Equipment

Criteria	Requirements				Documents
	Single Entity	Joint Venture			Submission of
		All Partners Combined	Each Partner	One Partner	
a) The Applicant shall demonstrate that he has the knowledge of the <b>type and quantity of equipment required</b> 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 3 points	Maximum 3 points	No particular requirement	No particular requirement	<b>Form EXP 5.2</b>
b) The Applicant shall demonstrate that he is in the <b>possession</b> of all required equipment, (list of main equipment and the respective use), or that he has the <b>ability to obtain</b> 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 particular requirement	No particular requirement	<b>Form EXP 5.2</b>
<b>Max./ Min. Scores for "5.2 Equipment": Max. 6 points; Min. 4.2</b>	<b>Min 70%</b>	<b>Min 70%</b>			

## 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 Turn-over" 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 receive 70% of the total maximum points (as indicated in tables) will be qualified.

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.

### c) 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 combinations. It is stated:

- That the 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 allow qualification.

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

Lot	4.1 General Experi- ence	4.2 Specific Experi- ence	5.1 a+b Human Resources Overview	5.1 c Personnel for the Contract	5.2 Equipment	Grand Total Experience and Resources
	Max / Min	Max / Min	Max / Min	Max / Min	Max / Min	Max / Min
Lot 1	20 / 10	12 / 6	10 / 7	26 / 18.2	6 / 4.2	74 / 45.4
Lot 2	20 / 10	12 / 6	10 / 7	18 / 12.6	6 / 4.2	66 / 39.8
Lot 3	20 / 10	12 / 6	10 / 7	20 / 14.0	6 / 4.2	68 / 41.2
Lot 1+2	20 / 10	24 / 12	10 / 7	28 / 19.6	6 / 4.2	88 / 52.8
Lot 1+3	20 / 10	24 / 12	10 / 7	30 / 21.0	6 / 4.2	90 / 54.2
Lot 2+3	20 / 10	24 / 12	10 / 7	22 / 15.4	6 / 4.2	82 / 48.6
Lot 1+2+3	20 / 10	36 / 18	10 / 7	38 / 26.6	6 / 4.2	110 / 65.8

**Note: „+“ = Full individual compliance for all Lots of the combination required and scores are added up accordingly**

## **Section IV: Application Forms**



## Section IV: Application Forms

### Table of Contents

1.	Application Submission Sheet for Pre-Qualification.....	1
2.	Declaration of Undertaking.....	2
3.	Form ELI – 1.1: Applicant Information Sheet.....	3
4.	Form ELI – 1.2: JV Information Sheet.....	4
5.	Form LIT – 1: Pending Litigation.....	5
6.	Form FIN – 3.1: Financial Situation .....	6
7.	Form FIN – 3.2: Average Annual Construction Turnover .....	7
8.	Form EXP – 4.1: General Construction Experience .....	8
9.	Form EXP – 4.2: Specific Construction Experience Technical Key Activities.....	9
10.	Form EXP – 5.1(a): Overview of Applicant’s Personnel .....	10
11.	Form EXP – 5.1(b): List of Personnel to be employed on the Contract .....	11
12.	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 .....	13
13.	Form EXP – 5.2: Applicant’s Equipment.....	15

# 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 sanc-tions by the UN Security Council have been imposed on us.
- (d) We are not a government-owned entity. <sup>(1)</sup>
- (e) We agree that the following percentage of the cost of contract performance will be incurred by the Applicant/all partners of the JV:

At least 70 percent of the cost of contract performance incurred for personnel on the construction site shall be expended for employees of the Applicant/all partners of the JV, not subcontractors

- (f) We plan to subcontract the following key activities or parts of the works:  
.....  
.....

- (g) 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.")

- (h) 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 Guidelines<sup>1</sup>.

We also underscore the importance of adhering to environmental and social standards in the implementation of the project. We undertake to comply with applicable labour laws and the Core Labour Standards of the International Labour Organization (ILO) as well as national and applicable international standards of environmental protection and health and safety standards.

We will inform our staff about their respective obligations and about their obligation to fulfil this declaration of undertaking and to obey the laws of the country of Georgia.

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))

---

<sup>1</sup> 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"

**3. Form ELI – 1.1: Applicant Information Sheet**

Date: .....  
 ICB No.: .....  
 Page .....of ..... 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><b>Attached are copies of the following original documents:</b></p> <ul style="list-style-type: none"> <li><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.</li> <li><input type="checkbox"/> 2. Authorization to represent the firm or JV named in above, in accordance with ITA 4.1.</li> <li><input type="checkbox"/> 3. In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1.</li> <li><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.</li> </ul>	

Authorized signature: \_\_\_\_\_

Name and function of the signatory: \_\_\_\_\_

Date of signing: \_\_\_\_/\_\_\_\_/\_\_\_\_

**4. Form ELI – 1.2: JV Information Sheet**

Date: .....  
 ICB No.: .....  
 Page .....of ..... 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><b>Attached are copies of the following original documents.</b></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>	

**5. Form LIT – 1: Pending Litigation**

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

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

## 6. Form FIN – 3.1: Financial Situation

Applicant’s Legal Name: .....

Date: .....

JV Partner Legal Name: .....

ICB No(s): .....

Page .....of .....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

<b>Total Assets</b>			
<b>Total Liabilities</b>			
<b>Net Worth</b>			
<b>Current Assets</b>			
<b>Current Liabilities</b>			

### Information from Income Statement

<b>Total Revenues</b>			
<b>Profits Before Taxes</b>			
<b>Profits After Taxes</b>			

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).

**7. Form FIN – 3.2: Average Annual Construction Turnover**

Applicant’s Legal Name: .....

Date: .....

JV Partner Legal Name: .....

ICB No(s): .....

Page .....of .....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.



### 8. Form EXP – 4.1: General Construction Experience

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..... of .....pages

One form per contract to be submitted

Contracts with Specific Construction Experience in Technical Key Activities			
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" style="width: 100%;"> <tr> <td style="width: 50%;">Percent of Total</td> <td style="width: 50%;">Amount</td> </tr> </table>	Percent of Total	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 – 4.2: Specific Construction Experience Technical Key Activities**

Applicant’s Legal Name: .....

Date: .....

JV Partner Legal Name: .....

ICB No(s):

Subcontractor’s Legal Name: .....

Page..... of .....pages

One form per contract to be submitted.

Contract of Similar Size and Nature	
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 subcontractor, specify participation of total contract amount	Percent of Total      Amount
Employer’s Name Address Telephone/Fax Number E-mail	
Description of the similarity in accordance with Criteria 4.2(a) of Section 3	

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

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

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

Date: .....  
 ICB No(s): .....  
 Page..... of .....pages

**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

**11. Form EXP – 5.1(b): List of Personnel to be employed on the Contract**

Applicant’s Legal Name: .....

Date: .....

ICB No(s): .....

Page .....of ..... pages

**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 Manager				X
Foreman				X
Electromechanical Engineer (only for Lot 1 and combinations with Lot 1)				
Quality Control Manager (only Lot 1 and combinations with Lot 1)				X

Signature: .....

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

Date: .....

**12. 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): .....

Page .....of ..... pages

- 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)

**Stormwater Works – Pumping station and associated basins, Collectors and Channels**

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.*

### 13. Form EXP – 5.2: Applicant’s Equipment

Applicant’s Legal Name: .....

Date: .....

JV Partner Legal Name: .....

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- capacity	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						
					/		
					/		
					/		
					/		



Stormwater Works – Pumping station and associated basins, Collectors and Channels

	DESCRIPTION (type/make/model)	Power/ ca- capacity	No of units	Age (years)	Owned by (O ...) or hired (H)/ and percentage of ownership	Origin (country)	Present approxi- mate value in Euro
c)	OTHER EQUIPMENT				/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		
					/		

Signature: .....

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

Date: .....

## **Section V: Scope of Contract**

## Section V – Scope of Contracts

### Table of Contents

<b>1</b>	<b>General information on the project area .....</b>	<b>1</b>
1.1	Project Background .....	1
1.2	Phase III components in the water sector .....	1
1.3	Phase III components in the sewerage sector .....	1
1.4	Phase III components in the stormwater sector .....	2
<b>2</b>	<b>Phase III - Scope of Stormwater Works .....</b>	<b>5</b>
2.1	Tender Package 3, Lot 1 – Outlet 19 structures: Pumping Station and associated basins	5
2.2	Tender Package 3, Lot 2 – Rehabilitation of Javahishvili collector .....	5
2.3	Tender Package 3, Lot 3 – Rehabilitation of secondary stormwater collectors.....	6
2.3.1	Work Section 3-1: Rehabilitation of Giorgi Brstkinvale collector on its whole length .....	6
➤	Rehabilitation of Giorgi Brstkinvale channel (Western part to Javahishvili) .....	6
➤	Improvement of Giorgi Brtskinvale (Eastern part) and Sulaberidze channels to the port.....	8
2.3.2	Work Section 3-2: Mtisdziri street structures (channels and retention basins) .....	13
2.3.3	Work Section 3-3: rehabilitation of Shavsheti collector on its whole length .....	16

# 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.

	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

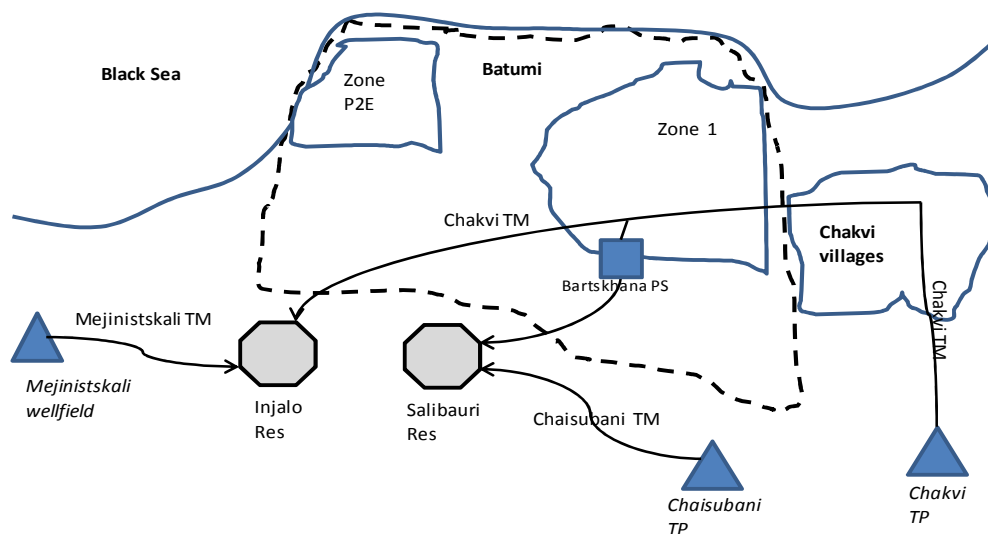
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual avg.
Avg. °C	7.1	7.2	8.3	12.3	15.6	19.8	22.2	22.4	20.0	15.9	11.7	8.8	14.3

## 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

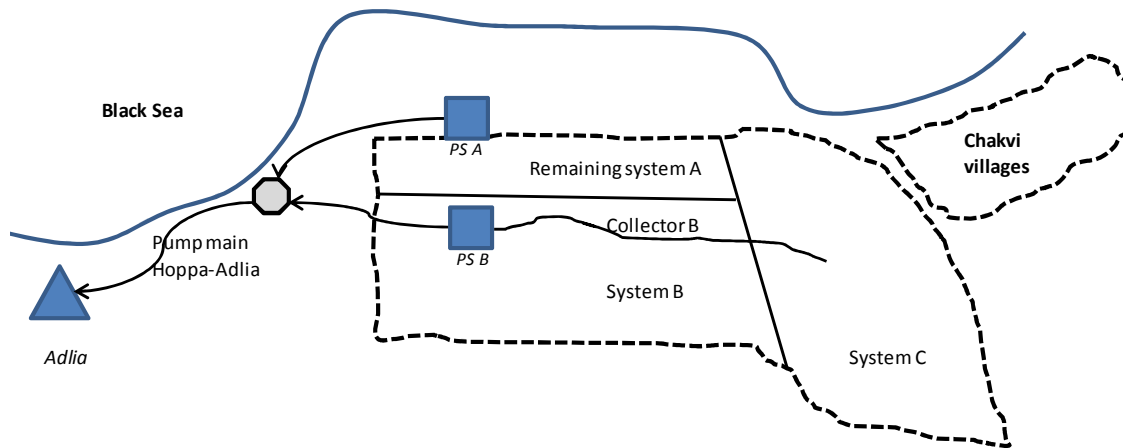
Overview on Phase III components for further water supply improvements is shown in Figure below.



## 1.3 Phase III components in the sewerage sector

Phase III components for further wastewater infrastructure improvements are indicated in Figure below.

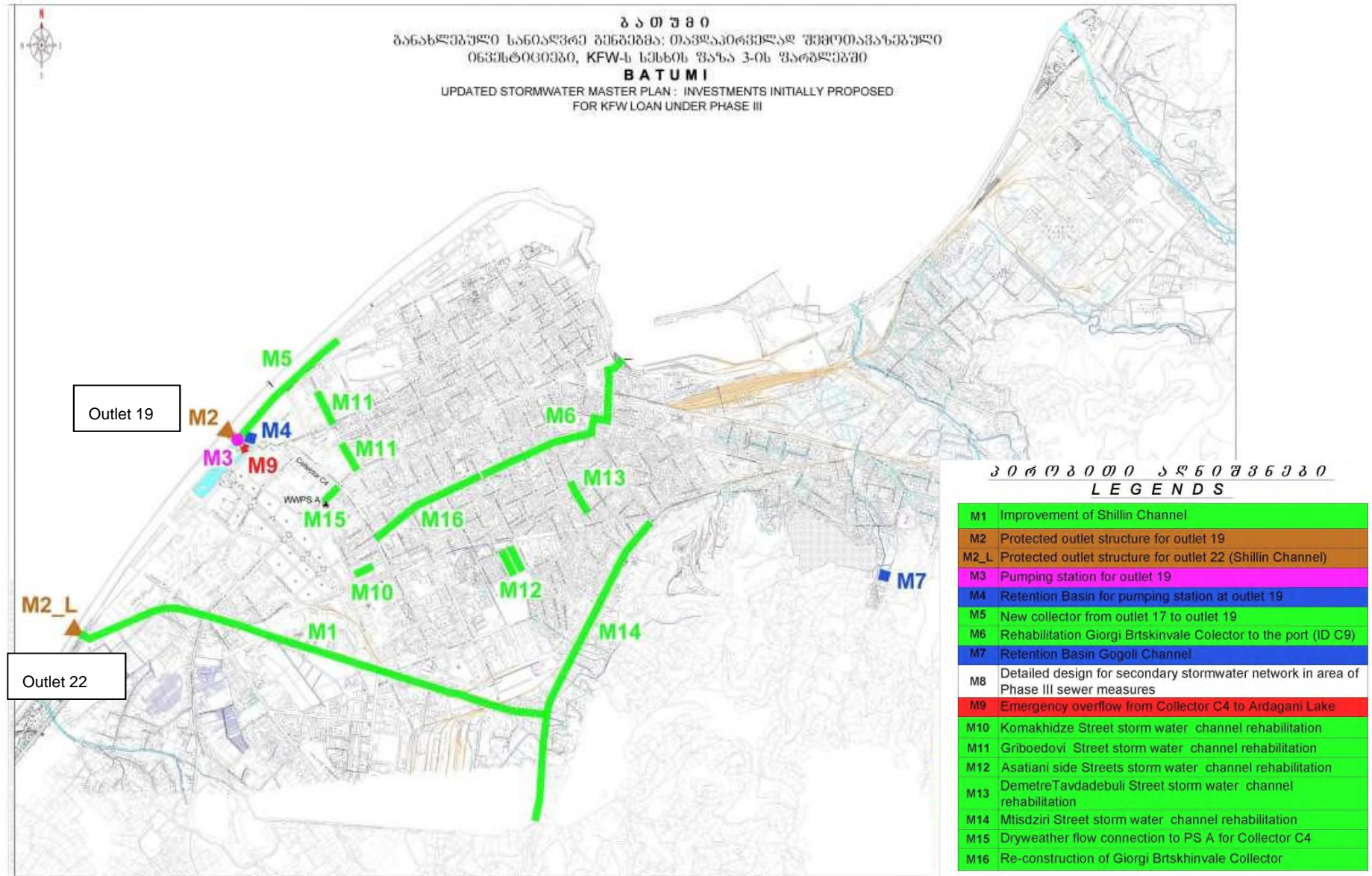
Stormwater Works - Pumping station and associated basins, Collectors and Channels



**1.4 Phase III components in the stormwater sector**

Phase III components for stormwater infrastructure improvements (subject to the present Tenders) are indicated in Figure below and its associated following table. This latter provides splitting between (i) the present stormwater tender package (Package N°3) and (ii) measures out of the present Tender’s scope.

Stormwater Works - Pumping station and associated basins, Collectors and Channels



## Stormwater Works - Pumping station and associated basins, Collectors and Channels

ID	Work Description	Tender Package/ Funding
	<b>Improvement proposed for Phase III - Stormwater works</b>	
M1	Improvement of Shillin Channel	Not included in present tender packages
M2+M3+M4+M9	Pumping Station, retention basin and Flush-Load basin for Outlet 19	Tender Package 3 – Lot 1
M2L	Pumping Station, retention basin and Flush-Load basin for Outlet 22	Not included in present tender packages
M5	New collector from outlet 17 to outlet 19	Not included in present tender packages
M6	Rehabilitation Giorgi Brtskinvale Collector to the port (ID C9) (from Melikishvili street to the Port, including the downstream Sulaberidze street part) → <i>“Part 3 &amp; Part 4” as defined in below paragraphs</i>	Tender Package 3 – Lot 3
M7	Retention Basin Gogoli channel	Not included in present tender packages
M8	Secondary stormwater network in area of Phase III sewer measures	Not included in present tender packages
M10	Komakhidze Street storm water channel rehabilitation	Not included in present tender packages
M11	Griboedovi Street storm water channel rehabilitation	Not included in present tender packages
M12	Asatiani side Streets storm water channel rehabilitation	Not included in present tender packages
M13	DemetreTavdadebuli Street storm water channel rehabilitation	Not included in present tender packages
M14	Mtisdziri Street storm water channel rehabilitation	Tender Package 3 – Lot 3
M16	Re-construction of Giorgi Brtskinvale Collector (from Melikishvili street to Javahishvili street, including lifting pumping station) → <i>“Part 2” as defined in below paragraphs</i>	Tender Package 3 – Lot 3
M17 (NEW)	Rehabilitation of Javahishvili collector	Tender Package 3 – Lot 2
M18 (NEW)	Rehabilitation of Giorgi Brtskinvale channel (from Odzelashvili street to Javahishvili street) → <i>“Part 1” as defined in below paragraphs</i>	Not included in present tender packages
M19 (NEW)	Construction of Mtisdziri Street storm water retention basins	Not included in present tender packages
M20 (NEW)	Rehabilitation of Shavsheti collector	Tender Package 3 – Lot 3



## Stormwater Works - Pumping station and associated basins, Collectors and Channels

## 2 Phase III - Scope of Stormwater Works

### 2.1 Tender Package 3, Lot 1 – Outlet 19 structures: Pumping Station and associated basins

This works section includes the implementation of a stormwater Pumping station at Outlet 19, located on the sea shore and discharging to the sea, including its associated flush-load and retention basins (sea outfall is not part of the present Contract).

The main characteristics of the proposed structures are approximately as follow (characteristics to be further confirmed at Tender stage):

- Pumping Station capacity: 2.8 m<sup>3</sup>/s, H=10m
- Flush-load basin volume : 1,600 m<sup>3</sup>
- Retention basin volume : 1,400 m<sup>3</sup>

All these above structures are combined on the same site and entirely buried (down to approximately 11.0 m below ground level).

### 2.2 Tender Package 3, Lot 2 – Rehabilitation of Javahishvili collector

This works section includes the rehabilitation of Javahishvili collector on its overall length (total 1,447m), split into 6 sections as displayed on the following figure.



These characteristics are to be further confirmed at Tender stage.



---

**Stormwater Works - Pumping station and associated basins, Collectors and Channels**

---

**2.3 Tender Package 3, Lot 3 – Rehabilitation of secondary stormwater collectors****2.3.1 Work Section 3-1: Rehabilitation of Giorgi Brstkinvale collector on its whole length**

Giorgi Brstkinvale collector is divided hydraulically into 2 parts, as described here after. All below listed characteristics are to be further confirmed at Tender stage.

➤ **Rehabilitation of Giorgi Brstkinvale channel (Western part to Javahishvili)**

The new design proposed for Giorgi channel (western part to Javahishvili), for a 5 years return period design flow, has the following characteristics:

Upstream section:

- **Ø1000** circular pipe
- Slope: 0.056% (in compliance with EU standards minimum slope for such diameter)
- Length: 290m
- Upstream invert level: -2.09m
- Downstream invert level : -2.25m

Downstream section:

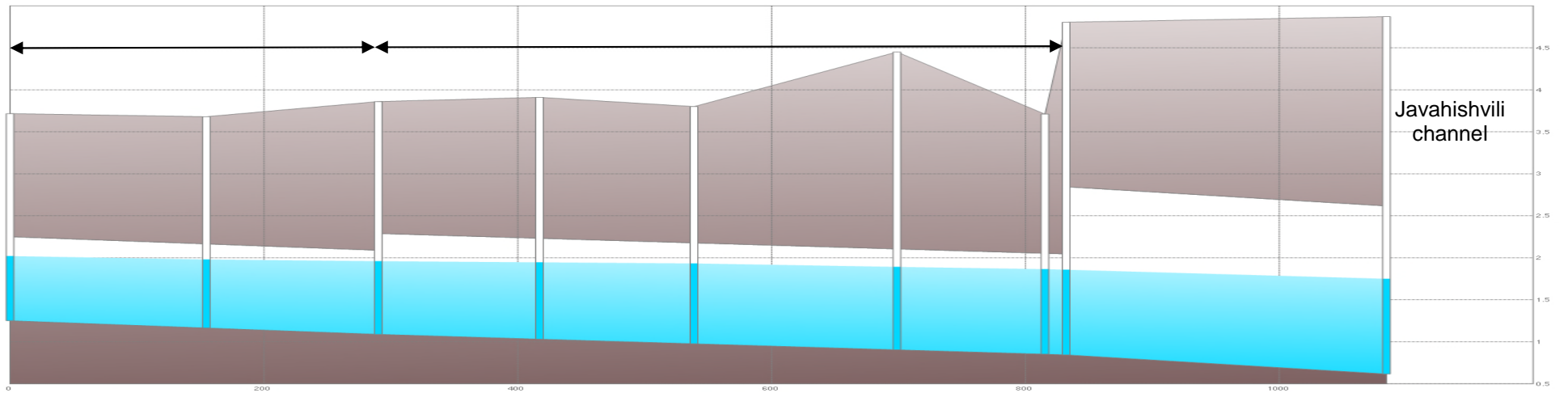
- **Ø1200** circular pipe
- Slope: 0.045% (in compliance with EU standards minimum slope for such diameter)
- Length: 525 m
- Upstream invert level: -2.25m
- Downstream invert level : -2.50m

The longitudinal profiles calculated for the 5 and 30 years return period is given by the following figure.

.

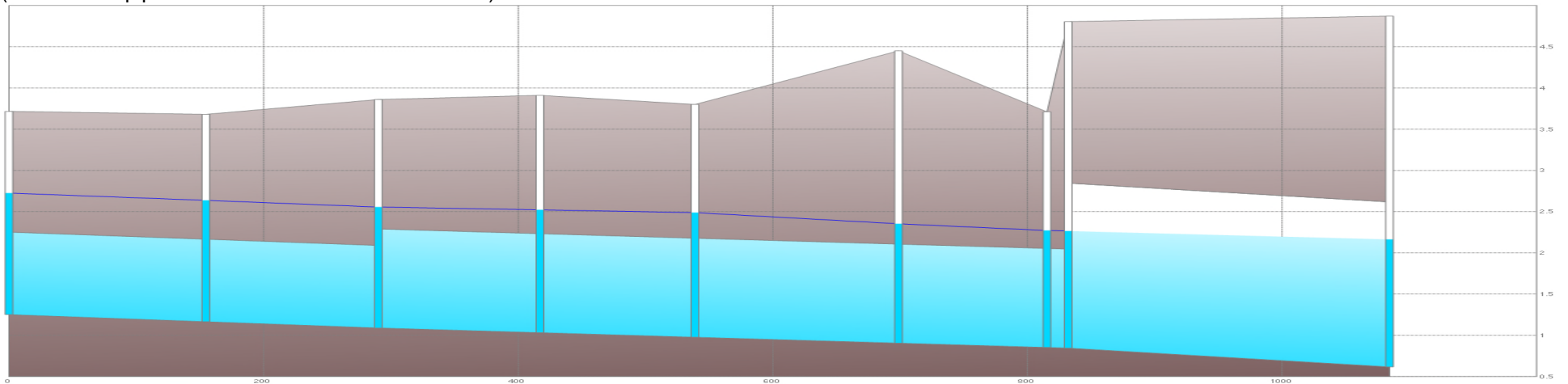
Stormwater Works - Pumping station and associated basins, Collectors and Channels

5 years



30 years

(Overloaded pipes but with no overflow on the road)



**Stormwater Works - Pumping station and associated basins, Collectors and Channels**

---

- **Improvement of Giorgi Brtskinvale (Eastern part) and Sulaberidze channels to the port**

The design of the new collector is summarized in the table and in the figures below.

## Stormwater Works - Pumping station and associated basins, Collectors and Channels

## Channel design - GIORGI-EAST - BATUMI 2016

Return period	Channel	Name	Length (m)		Roughness		Slope (%)		Section		Diameter or height (m)		Bottom width (m)		Total width (m)		bank slope		Peak flow (L/s)		Peak velocity (m/s)		Filling ratio (%)	
			Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current *	Future	Current	Future	Current	Future
5 years	GIORGI EAST	C403	166	166	0,022	0,017	0,08	0,15	RECT_CLOSED	RECT_CLOSED	1	1	1,6	1,6	-	-	-	-	817	882	0,9	1,1	60	50
		C404	130	130	0,022	0,017	0,07	0,15	RECT_CLOSED	RECT_CLOSED	1	1	1,6	1,6	-	-	-	-	785	867	0,9	1,1	60	50
		C405	118	118	0,022	0,017	0,09	0,15	RECT_CLOSED	RECT_CLOSED	1	1	1,6	1,6	-	-	-	-	726	843	0,9	1,1	60	50
		C406	109	109	0,022	0,017	0,07	0,15	RECT_CLOSED	RECT_CLOSED	1	1	1,6	1,6	-	-	-	-	668	819	0,9	1,0	70	60
		C288	257	257	0,022	0,017	0,05	0,15	RECT_CLOSED	TRAPEZOIDAL	1	1,3	1,6	1,1	-	2,4	-	1H/2V	604	755	0,6	0,6	80	70

## Channel design - SULABERIDZE - BATUMI 2016

Return period	Channel	Name	Length (m)		Roughness		Slope (%)		Section		Diameter or height (m)		Bottom width (m)		Total width (m)		bank slope		Peak flow (L/s)		Peak velocity (m/s)		Filling ratio (%)	
			Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current *	Future	Current	Future	Current	Future
5 years	SULABERIDZE	C317	31	31	0,022	0,017	3,25	0,10	CIRCULAR	TRAPEZOIDAL	0,8	0,8	-	1	-	1,8	-	1H/2V	253	258	0,8	1,7	100	40
		C318	135	135	0,022	0,017	0,06	0,10	RECT_CLOSED	TRAPEZOIDAL	1,1	1,2	1,7	2,3	-	3,5	-	1H/2V	1448	2651	0,8	1,1	100	80
		C321	76	76	0,022	0,017	0,07	0,10	RECT_CLOSED	TRAPEZOIDAL	1,1	1,3	1,7	2,2	-	3,5	-	1H/2V	1672	2996	0,9	1,2	100	80
		C320	177	177	0,022	0,017	0,06	0,10	RECT_CLOSED	TRAPEZOIDAL	1,1	1,4	1,7	2,1	-	3,5	-	1H/2V	1836	3386	1,0	1,3	100	80
		C323	11	11	0,022	0,017	0,09	0,10	RECT_CLOSED	TRAPEZOIDAL	1,1	1,4	1,7	2,1	-	3,5	-	1H/2V	2312	4115	1,3	1,5	100	80
		<b>C322</b>	101	101	0,022	0,017	0,05	0,10	RECT_CLOSED	TRAPEZOIDAL	1,1	1,4	1,7	2,1	-	3,5	-	1H/2V	2845	4778	1,6	1,7	100	80
		C337	90	90	0,022	0,017	0,04	0,10	RECT_CLOSED	RECT_CLOSED	2,2	2,2	3,5	3,5	-	-	-	-	2981	4941	0,9	1,4	50	50
		C338	186	186	0,022	0,017	0,05	0,10	RECT_CLOSED	RECT_CLOSED	2,2	2,2	3,5	3,5	-	-	-	-	3189	5208	1,0	1,5	40	50
		C339	173	173	0,022	0,017	0,07	0,10	RECT_CLOSED	RECT_CLOSED	2,2	2,2	3,5	3,5	-	-	-	-	3466	5570	1,2	1,7	40	40
C340	70	70	0,022	0,017	0,11	0,10	RECT_CLOSED	RECT_CLOSED	2,2	2,2	3,5	3,5	-	-	-	-	3465	5576	1,4	2,0	30	40		

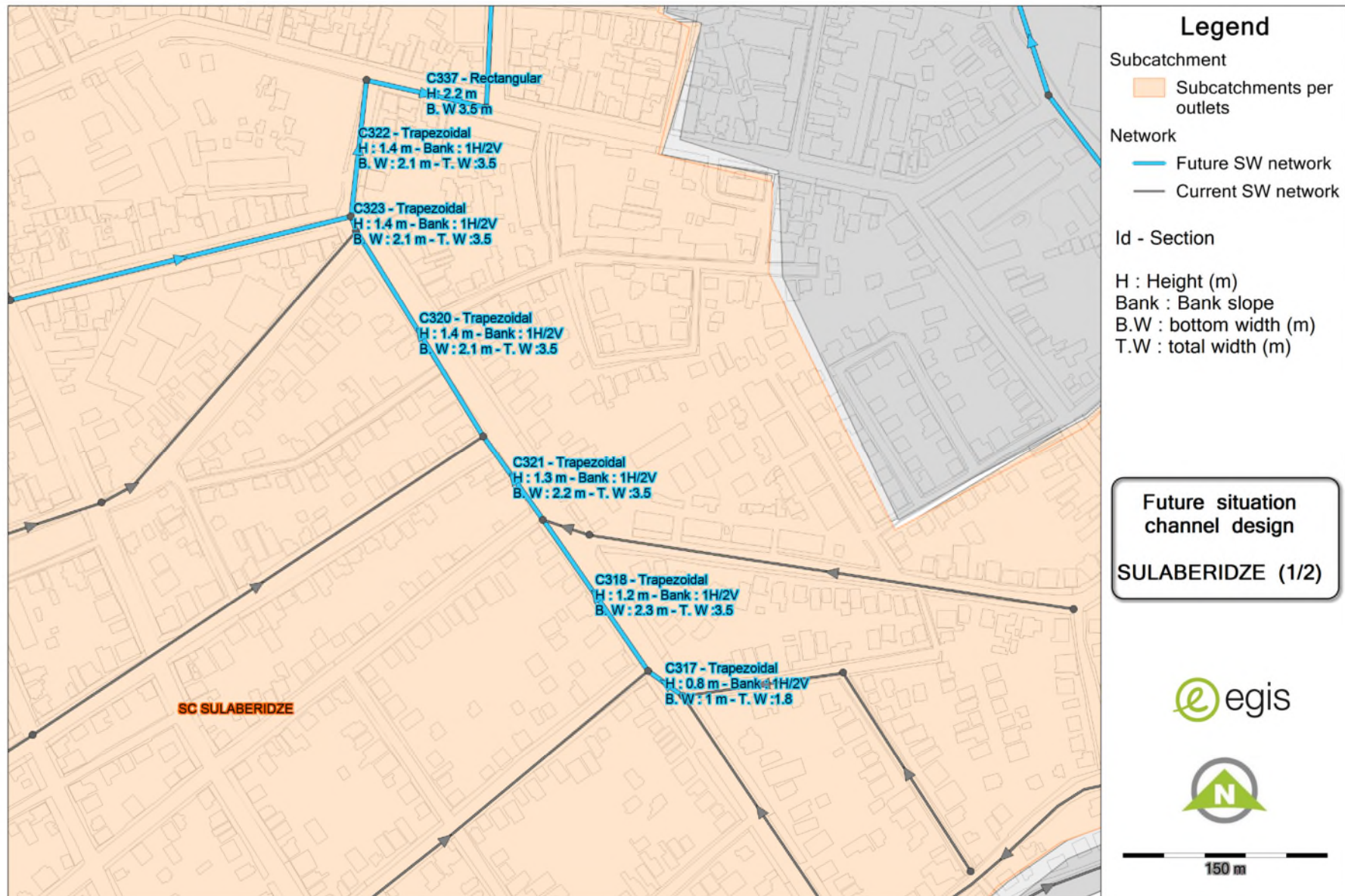
\* : The peak flows in the existing situation are given within the underground collectors. They can thus differ widely from the peak flows in the future situation due to the overflows in the existing situation which flow in the streets.

Stormwater Works - Pumping station and associated basins, Collectors and Channels

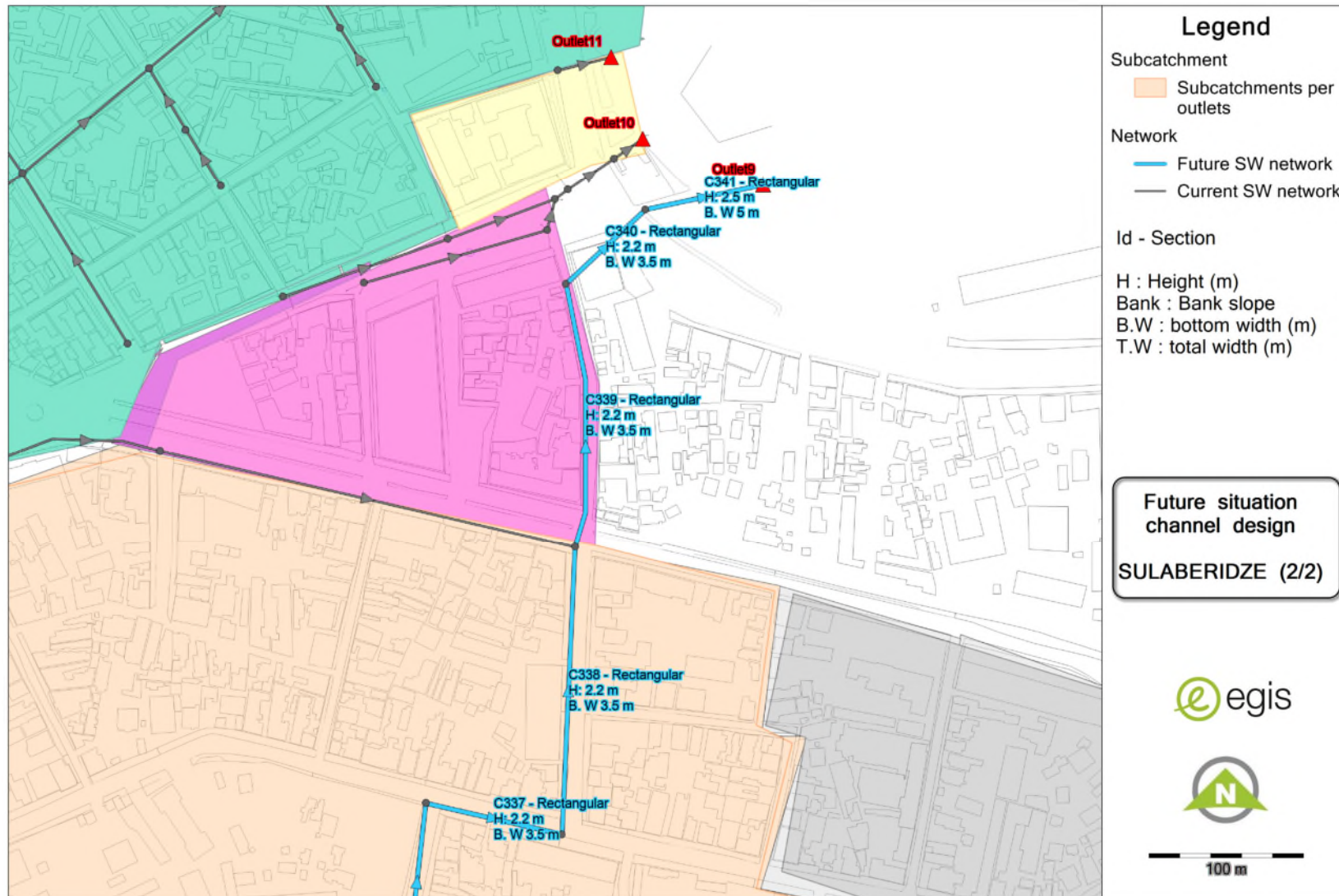




Stormwater Works - Pumping station and associated basins, Collectors and Channels



Stormwater Works - Pumping station and associated basins, Collectors and Channels



**2.3.2 Work Section 3-2: Mtisdziri street structures (channels and retention basins)**

This works section includes the rehabilitation of “**Mtisdziri street collector**” over several selected parts.

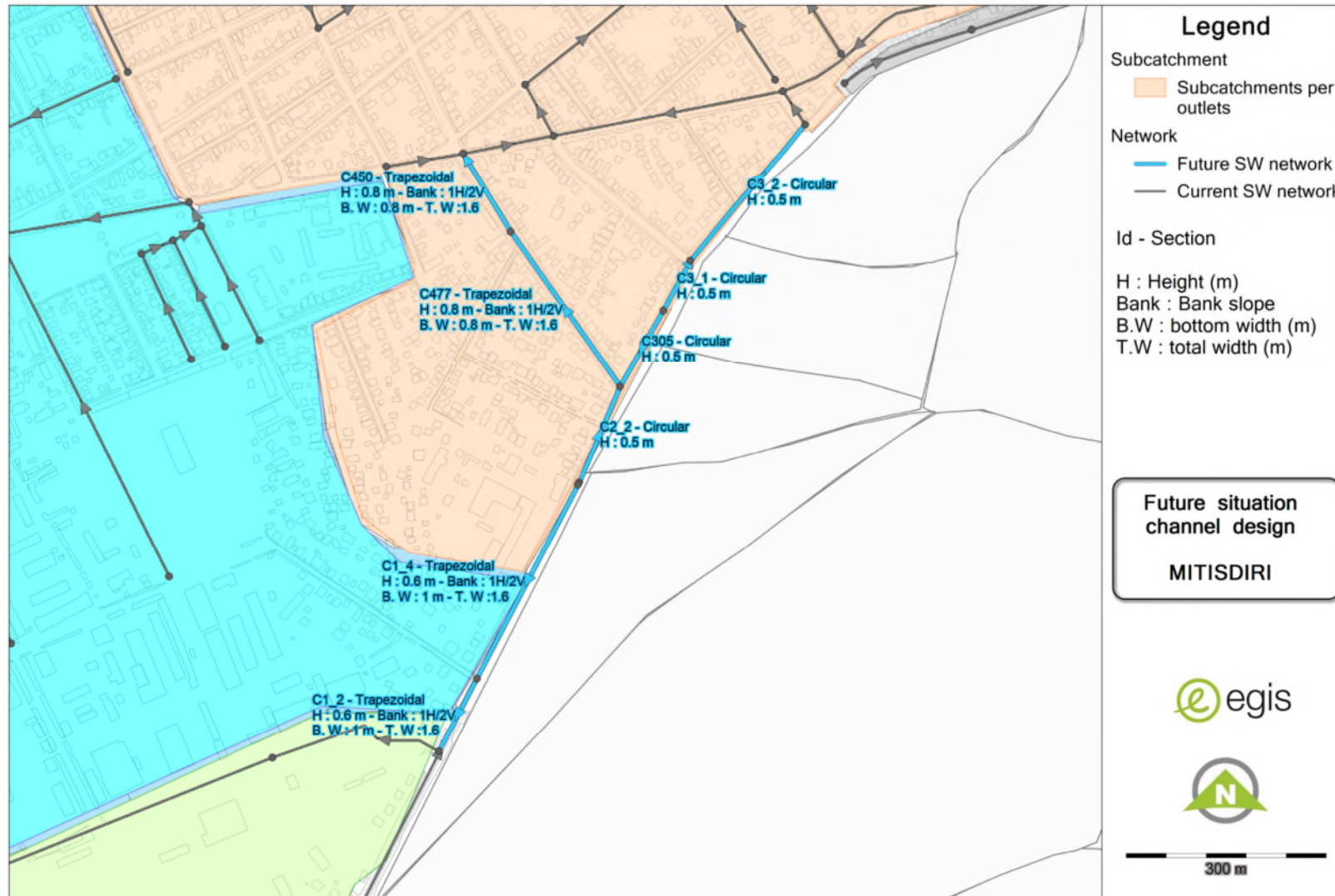
The design of the new collector is summarized in the table and in the figure below.



## Stormwater Works - Pumping station and associated basins, Collectors and Channels

Return period	Channel		Name	Length (m)	Roughness	Slope (%)	Section	Diameter or height (m)	Bottom width (m)	Total width (m)	bank slope	Peak flow (L/s)	Peak velocity (m/s)	Filling ratio (%)	Outlet
			Future	Future	Future	Future	Future situation	Future	Future	Future	Future	Future	Future	Future	
5 years	Mtisdziri	Section 1	C1_4	331	0,017	0,1	TRAPEZOIDAL	0,6	1,0	1,6	1H/2V	403	0,8	0,7	SHILLIN
			C1_2	124	0,017	0,1	TRAPEZOIDAL	0,6	1,0	1,6	1H/2V	356	0,7	0,8	
		Section 2	C2_2	155	0,017	1,8	CIRCULAR	0,5	-	-	-	73	1,9	0,3	SULABERIDZE
		Section 3	C305	131	0,017	1,5	CIRCULAR	0,5	-	-	-	71	1,5	0,3	
		Section 4	C3_1	85	0,017	0,3	CIRCULAR	0,5	-	-	-	26	0,7	0,3	
			C3_2	267	0,017	0,8	CIRCULAR	0,5	-	-	-	26	0,5	0,5	

Stormwater Works - Pumping station and associated basins, Collectors and Channels



**Stormwater Works - Pumping station and associated basins, Collectors and Channels**

---

The above listed contents and technical characteristics remain to be further confirmed at Tender stage.

**2.3.3 Work Section 3-3: rehabilitation of Shavsheti collector on its whole length**

Shavsheti collector (currently 1 channel 1\*1.5m\*4.5m) has to be rehabilitated on its overall length, namely some 950m.

The design of the new collector is summarized in the table and in the figure below.

Exact dimensions of the new collector remain to be defined at Tender stage.

## Stormwater Works - Pumping station and associated basins, Collectors and Channels

Channel design - SHAVSHETI - BATUMI 2016																								
Return period	Channel	Name	Length (m)		Roughness		Slope (%)		Section		Diameter or height (m)		Bottom width (m)		Total width (m)		bank slope		Peak flow (L/s)		Peak velocity (m/s)		Filling ratio (%)	
			Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future
5 years	SHAVSHETI	C457_2	217	217	0,022	0,017	0,33	0,40	RECT_CLOSED	RECT_CLOSED	1,5	1	4,5	4,5	-	-	-	-	2134	2238	0,7	1,2	60	40
		C427	118	188	0,022	0,017	0,13	0,15	RECT_CLOSED	RECT_CLOSED	1	1	2	4,5	-	-	-	1H/2V	2662	2909	1,3	1,1	100	60
		C428	85	85	0,022	0,017	0,26	0,15	RECT_CLOSED	RECT_CLOSED	1	1	2	4,5	-	-	-	1H/2V	3034	3311	1,8	1,0	90	70
		C343_1	323	323	0,022	0,017	0,25	0,15	RECT_CLOSED	RECT_CLOSED	1,8	1,8	5	5,0	-	-	-	-	5434	5687	1,6	1,8	40	40

\* : The peak flows in the existing situation are given within the underground collectors. They can thus differ widely from the peak flows in the future situation due to the overflows in the existing situation which flow in the streets.

Stormwater Works - Pumping station and associated basins, Collectors and Channels

