

# **Bidding Document Procurement of Small Works**

## **National Competitive Bidding (Volume 2)**

### **Procurement of**

**Civil works for rehabilitation of road  
section**

**Martuni-Vaghashen-Vardenik km 0+000  
- km 10+500**

**NCB No: CW-NCB-LRNIP-AF-2016/2**

**Project: Lifeline Roads Network Improvement  
Project (LRNIP), Armenia**

**Loan No: 8523-AM**

**Employer: Transport Projects Implementation Unit  
State Institution of the Ministry of Transport and  
Communication of the Republic of Armenia**

**Country: Republic of Armenia**

**Issued on: June 20, 2016**



# **Volume 2**

- 1. Section II - Bid Data Sheet (BDS)***
- 2. Section III - Evaluation and Qualification Criteria***
- 3. Section VII - Works Requirements***
- 4. Section IX - Particular Conditions of Contract (PCC)***
- 5. Invitation for Bids (IFB)***

## Section II - Bid Data Sheet (BDS)

### A. Introduction

<b>ITB 1.1</b>	<p>The number of the Invitation for Bids is: <b>CW-NCB-LRNIP-AF-2016/2</b></p> <p>The Employer is: <b>Transport Projects Implementation Unit State Institution of the Ministry of Transport and Communication of the Republic of Armenia.</b></p>
<b>ITB 1.1</b>	<p>The name of the bidding process is: <b>Civil works for rehabilitation of road section Martuni-Vaghashen-Vardenik km 0+000 - km 10+500.</b></p> <p>The identification number of the bidding process is: <b>CW-NCB-LRNIP-AF-2016/2</b></p> <p>The number and identification of lots comprising this bidding process are: <b>one</b></p>
<b>ITB 2.1</b>	The Borrower is: <b>Republic of Armenia.</b>
<b>ITB 2.1</b>	The name of the Project is: <b>Lifeline Roads Network Improvement Project</b>
<b>ITB 2.1</b>	Loan or Financing Agreement amount: <b>US\$ 40 mln</b>
<b>ITB 4.1</b>	Maximum number of members in the JV shall be: <b>3 (three)</b>
<b>ITB 4.4</b>	A list of debarred firms and individuals is available at the Bank's external website: <a href="http://www.worldbank.org/debarr">www.worldbank.org/debarr</a>

### B. Bidding Documents

<b>ITB 7.1</b>	<p>For <b><u>clarification purposes</u></b> only, the Employer's address is:</p> <p>Attention: <b>Emil Sargsyan, Director of Transport Projects Implementation Unit State Institution of Ministry of Transport and Communication of the Republic of Armenia ("Transport PIU" SI)</b></p> <p>Street Address: <b>28 Nalbandyan St Ministry of Transport and Communication, "Transport PIU" SI</b></p> <p>Floor/Room number: <b>3rd floor, room #312a</b></p> <p>City: <b>Yerevan</b></p> <p>Country: <b>Armenia</b></p> <p>Telephone: <b>(+37410) 54-57-48, (+37460) 54-05-27, (+37410) 58-05-23</b></p>
----------------	--

	<p>Facsimile number: <b>(+37460) 54-05-25</b></p> <p>Electronic mail address: <a href="mailto:esargsyan@transportpiu.am">esargsyan@transportpiu.am</a>,  <a href="mailto:hordukhanyan@transportpiu.am">hordukhanyan@transportpiu.am</a>, <a href="mailto:armenabovyan@transportpiu.am">armenabovyan@transportpiu.am</a></p> <p>Requests for clarification should be received by the Employer no later than: <b>14 (fourteen) days prior to the deadline for submission of bids.</b></p>
<b>ITB 7.1</b>	Web page: <a href="http://www.procurement.am">www.procurement.am</a>
<b>ITB 7.4</b>	<p>A Pre-Bid meeting <b>shall not</b> take place.</p> <p>A site visit conducted by the Employer <b>shall not</b> be organized.</p>

### **C. Preparation of Bids**

<b>ITB 10.1</b>	<p>The language of the bid is: <b>English</b></p> <p>All correspondence exchange shall be in <b>English</b> language.</p> <p>Language for translation of supporting documents and printed literature is as given above.</p>
<b>ITB 11.1 (b)</b>	The following schedules shall be submitted with the bid: <b>(i) Priced Bill of Quantities</b>
<b>ITB 11.1 (h)</b>	<p>The Bidder shall submit with its bid the following additional documents:</p> <p><b>The statement signed by the Director (Chief Executive Officer) of the Bidder that the Bidder during the three years before the bid submission date had not violated it's contractual obligations envisaged by the contracts financed by the World Bank funded projects that have resulted in the unilateral termination of the contract by the Client.</b></p>
<b>ITB 13.1</b>	Alternative bids <b>shall not be</b> permitted.
<b>ITB 13.2</b>	<p>Alternative times for completion <b>shall not be</b> permitted.</p> <p>If alternative times for completion are permitted, the evaluation method will be as specified in Section III, Evaluation and Qualification Criteria.</p>
<b>ITB 13.4</b>	<p>Alternative technical solutions shall be permitted for the following parts of the Works: <b>N/A</b></p> <p>If alternative technical solutions are permitted, the evaluation method</p>

	will be as specified in Section III, Evaluation and Qualification Criteria.
<b>ITB 14.5</b>	The prices quoted by the Bidder <b>shall not be</b> subject to adjustment during the performance of the Contract.
<b>ITB 15.1</b>	The prices shall be quoted by the bidder in: <b>Armenian Dram (AMD).</b>
<b>ITB 18.1</b>	The bid validity period shall be: <b>56 (fifty-six) days</b> after the date specified for submission of bids.
<b>ITB 18.3 (a)</b>	The bid price shall be adjusted by the following factor(s): <b>The Contract price shall be adjusted by a factor reflecting local inflation during the period of extension of bid validity. The adjusted coefficient is AC (adjusted coefficient)=1.02</b>
<b>ITB 19.1</b>	<p>A Bid Security <b>shall be</b> required. Bid shall include a Bid Security issued by a reputable bank using the Bid Security Form (Bank Guarantee) included in Section IV, Bidding Forms. A Bid-Securing Declaration shall not be required.</p> <p>The amount and currency of the bid security shall be:</p> <p><b>AMD 39 000 000 (thirty-nine million)</b></p>
<b>ITB 19.3 (b) (c) (d)</b>	<p>an irrevocable letter of credit: <b>N/A</b></p> <p>a cashier's or certified check: <b>N/A</b></p> <p>another security specified in the BDS: <b>N/A</b></p>
<b>ITB 19.9</b>	<b>Not Applicable</b>
<b>ITB 20.1</b>	In addition to the original of the bid, the number of copies is: <b>2 (two).</b>
<b>ITB 20.2</b>	<p>The written confirmation of authorization to sign on behalf of the Bidder shall consist of:</p> <p>(a) <b>Power of Attorney; and</b></p> <p>(b) <b>In the case of Bids submitted by an existing or intended JV, an undertaking signed by all parties (i) stating that all parties shall be jointly and severally liable, and (ii) nominating a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.</b></p>

#### D. Submission and Opening of Bids

ITB 22.1	Bidders <b>shall not</b> have the option of submitting their bids electronically. If electronic bid submission is permitted in accordance with ITB 21.1, the specific bid opening procedures shall be: <b>Not Applicable</b>
ITB 22.1	<p>For <b><u>bid submission purposes</u></b> only, the Employer's address is:</p> <p>Attention: <b>Emil Sargsyan, Director of Transport Projects Implementation Unit State Institution of Ministry of Transport and Communication of the Republic of Armenia ("Transport PIU" SI)</b></p> <p>Street Address: <b>28 Nalbandyan St Ministry of Transport and Communication, "Transport PIU" SI</b></p> <p>Floor/Room number: <b>3rd floor, room #312a</b></p> <p>City: <b>Yerevan</b></p> <p>Country: <b>Armenia</b></p> <p><b>The deadline for bid submission is:</b></p> <p>Date: <b>20 June, 2016</b></p> <p>Time: <b>15:00 (Yerevan time)</b></p> <p>Bidders <b>shall not</b> have the option of submitting their bids electronically.</p> <p>If bidders have the option of submitting their bids electronically, the electronic bidding submission procedures shall be: <b>Not Applicable</b></p>
ITB 25.1	<p>The bid opening shall take place at:</p> <p>Street Address: <b>28 Nalbandyan St, Yerevan-10, Armenia, Ministry of Transport and Communication, Transport PIU</b></p> <p>Floor/Room number: <b>3rd floor, room #312a</b></p> <p>City: <b>Yerevan</b></p> <p>Country: <b>Armenia</b></p> <p>Date: <b>20 June, 2016</b></p> <p>Time: <b>15:01 (Yerevan time)</b></p>

<b>TB 25.3</b>	The Letter of Bid and Priced Bill of Quantities shall be initiated by <b>one</b> representatives of the Employer conducting Bid opening: <b>The member of Evaluation Committee will initial all pages of the Letter of Bid and Priced Bill of Quantities of each Bid.</b>
----------------	---

### E. Evaluation and Comparison of Bids

<b>ITB 34.1</b>	At this time the Employer <b>does not intend</b> to execute certain specific parts of the Works by sub-contractors selected in advance.
<b>ITB 34.3</b>	<p>Contractor's proposed subcontracting: Maximum percentage of subcontracting permitted is: <b>30% of the total contract amount</b></p> <p>b) Bidders planning to subcontract more than 10% of total volume of work shall specify, in the Bid Submission Form, the activity (ies) or parts of the works to be subcontracted along with complete details of the sub-contractors and their qualification and experience. The qualification and experience of the sub-contractors must meet the minimum criteria for the relevant work to be sub-contracted failing which such sub-contractors will not be permitted to participate.</p> <p>c) Sub-contractors' qualification and experience will not be considered for evaluation of the Bidder. The Bidder on its own (without taking into account the qualification and experience of the sub-contractor) should meet the qualification criteria.</p>

### F. Award of Contract

<b>ITB 43.1</b>	<p>The Adjudicator proposed by the Employer is: <b>Mr. Artashes F. Kakoyan, 6 Yekmalyan St. Yerevan, Armenia.</b> The hourly fee for this proposed Adjudicator shall be: <b>AMD 60,000.</b> The biographical data of the proposed Adjudicator is as follows: <i>EDUCATION:</i>  1981-1989 : Yerevan State University, Department of Law.  1991-1995 : Moscow Institute for International Affairs, Department of International Public Law  1996-1998: American University of Armenia, LLM Program  1996/10 Joint Vienna Institute, Strategic Management and Leadership (Training course)  <i>DEGREE: PhD</i>  <i>EXPERIENCE:</i>  Participation in Representation of the President of the Republic of Armenia before the RA courts and the Central Electoral Commission during the presidential elections of 2003.  International litigation in High Court of UK, Commercial Division, Queens Bench; on behalf of the Republic of Armenia.  Arbitration in London under ICC rules, on behalf of the Republic of Armenia, expert-witness of Armenian legislation.  AGE:49  NATIONALITY: Armenian  PRESENT POSITION:  Director of Investment Law Group LLC  More detailed information may be found at the following link:  <a href="http://www.lawyer.am/partners_artashes_kakoyan_2.htm">http://www.lawyer.am/partners_artashes_kakoyan_2.htm</a></p>
-----------------	---



## **Section III - Evaluation and Qualification Criteria**

This section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders if the bidding was not preceded by a prequalification exercise and postqualification is applied. In accordance with ITB 35 and ITB 37, no other methods, criteria and factors shall be used. The Bidder shall provide all the information requested in the forms included in Bidding Forms.

Wherever a Bidder is required to state a monetary amount, Bidders should indicate the national currency. If any amounts are in foreign currency equivalent national currency using the rate of exchange specified by the bidder will be determined as follows:

- -For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be converted) was originally established.
- -Value of single contract - Exchange rate prevailing on the date of the contract.

## **1. Evaluation**

In addition to the criteria listed in ITB 35.2 (a) – (e) the following criteria shall apply:

### **2.1 Adequacy of Technical Proposal**

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical proposal and its substantial responsiveness, capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section VII (Works Requirements).

### **2.2 Multiple Contracts**

Pursuant to Sub-Clause 35.4 of the Instructions to Bidders, if Works are grouped in multiple contracts, evaluation will be as follows: **Not Applicable**

### **2.3 Alternative Completion Times**

An alternative Completion Time, if permitted under ITB 13.2, will be evaluated as follows: **Not Applicable**

### **2.4 Technical Alternatives**

Technical alternatives, if permitted under ITB 13.4, will be evaluated as follows: **Not Applicable**

### **2.5 Specialized Subcontractors**

Only the specific experience of sub-contractors for specialized works permitted by the Employer will be considered. The general experience and financial resources of the specialized sub-contractors shall not be added to those of the Bidder for purposes of qualification of the Bidder. The specialized sub-contractors proposed shall be fully qualified for their work proposed, and meet the following criteria: **Not Applicable**

**2.6 Non-conformities, Errors, and Omissions:** Pursuant to ITB 30.3, the adjustment shall be made using the following methodology: Subject to provisions under ITB 14.2 if: i) an item is not listed in the priced Bill of Quantities i.e. the item is missing or the item is listed and priced but it is non-conforming to the requirements of the bidding document; or ii) a component under the scope of work or a condition in the bid is non-conforming to the requirements in the bidding document; and provided that the Bid is determined substantially responsive notwithstanding non-conformance under i) and ii) above, the average price of the item or component

quoted by substantially responsive bidders will be added to the bid price and the equivalent total cost of the bid so determined will be used for price comparison. If the cost of the non-conforming component or condition in the bid cannot be determined from other substantially responsive bids, the Employer will decide the price to be added for this purpose and for comparison of bids based on his own knowledge or as obtained from other sources.”

### 3. Qualification

Eligibility and Qualification Criteria		Compliance Requirements					Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.2	Conflict of Interest	No conflicts of interest in accordance with ITB 4.2	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid
1.3	Bank Eligibility	Not having been declared ineligible by the Bank, as described in ITB 4.4, 4.5, 4.6 and 4.7	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid
1.4	Government Owned Entity of the Borrower country	Meets conditions of ITB 4.5	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.5	United Nations resolution or Borrower's country law	Not having been excluded as a result of prohibition in the Borrower's country laws or official regulations against commercial relations with the Bidder's country, or by an act of compliance with UN Security Council resolution, both in accordance with ITB 4.7 and Section V.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
2. Historical Contract Non-Performance							
2.1	History of Non-Performing	Non-performance of a contract <sup>1</sup> did not occur as a	Must meet requirement <sup>6</sup>	Must meet requirements	Must meet requirement <sup>2</sup>	N/A	Form CON-2

<sup>1</sup>Non performance, as decided by the Employer, shall include all contracts where (a) non performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non performance shall not include contracts

Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
	<b>Contracts</b>	result of contractor default since <b>1<sup>st</sup> January 2011</b>					
2.2	<b>Suspension Based on Execution of Bid Securing Declaration by the Employer or withdrawal of the Bid within Bid validity</b>	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITB 4.6 or withdrawal of the Bid pursuant ITB 19.9.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
2.3	<b>Pending Litigation</b>	Bidder's financial position and prospective long term profitability sound according to criteria established in 3.1 below and assuming that all pending litigation will be resolved against the Bidder	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 2

where Employers decision was overruled by the dispute resolution mechanism. Non performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

<sup>2</sup> This requirement also applies to contracts executed by the Bidder as JV member.

Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2.4	<b>Litigation History</b>	No consistent history of court/arbitral award decisions against the Bidder <sup>3</sup> since 1 <sup>st</sup> January 2011	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form CON – 2

<sup>3</sup> The Bidder shall provide accurate information on the letter of Bid about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last five years. A consistent history of court/arbitral awards against the Bidder or any member of a joint venture may result in disqualifying the Bidder.

Eligibility and Qualification Criteria		Compliance Requirements					Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation and Performance							
3.1	Financial Capabilities	<p>(i) The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as <b>AMD 389 600 000 (or USD 814 000 equivalent)</b> for the subject contract(s) net of the Bidders other commitments</p> <p>(ii) The Bidders shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.</p> <p>(iii) The audited balance sheets or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Employer, for the last <b>5 (five) years</b> shall be submitted and must demonstrate the current</p>	<p>Must meet requirement</p> <p>Must meet requirement</p>	<p>Must meet Requirement</p> <p>Must meet requirement</p>	<p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p>	Form FIN – 3.1, with attachments

Eligibility and Qualification Criteria		Compliance Requirements					Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		soundness of the Bidder's financial position and indicate its prospective long-term profitability.					
			Must meet requirement	N/A	Must meet requirement	N/A	
3.2	Average Annual Construction Turnover	Minimum average annual construction turnover of <b>AMD 2 338 000 000 (or USD 4 880 000 equivalent)</b> , calculated as total certified payments received for contracts in progress and/or completed <b>within the last 5 (five) years, divided by 5 (five) years.</b>	Must meet requirement	Must meet requirement	Must meet <b>at least 25 %</b> of the requirement	Must meet <b>at least 40 %</b> , of the requirement	Form FIN – 3.2



Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
4. Experience							
4.1 (a)	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last 5 (five) years, starting 1 <sup>st</sup> January 2011.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	Specific Construction & Contract Management Experience	(i) A minimum number of similar <sup>4</sup> contracts specified below that have been satisfactorily and substantially <sup>5</sup> completed as a prime contractor, joint venture member <sup>6</sup> , management contractor or sub-contractor between 1 <sup>st</sup> January 2011 and application submission deadline:  One contract with minimum value AMD 1 559 000 000 (or USD 3 253 000 equivalent)  or 2 contracts, each of	Must meet requirement	Must meet requirement <sup>7</sup>	N/A	N/A	Form EXP 4.2(a)

<sup>4</sup> The similarity shall be based on the physical size, complexity, methods/technology and/or other characteristics described in Section VII, Work's Requirements. Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

<sup>5</sup> Substantial completion shall be based on 80% or more works completed under the contract.

<sup>6</sup> For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, shall be considered to meet this requirement.

<sup>7</sup> In the case of JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members each of value equal or more than the minimum value required shall be aggregated.

Eligibility and Qualification Criteria		Compliance Requirements					Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		<p>minimum value</p> <p>AMD 779 500 000 (or USD 1 626 500 equivalent)</p>					
4.2 (b)		<p>For the above and any other contracts completed and under implementation as prime contractor, joint venture member, management contractor or sub-contractor<sup>8</sup> on or after the first day of the calendar year during the period stipulated in 4.2 (a) above, a minimum construction experience in the following key activities successfully completed<sup>9</sup>:</p> <p>EARTH WORKS (min 31,000 m<sup>3</sup> in any year within the last five (5) years)</p> <p>PAVEMENT WORKS (min 68,000 m<sup>2</sup> in any year within the last five (5) years)</p> <p>DRAINAGE WORKS (min 10,300 l.m. in any year within the last five (5) years)</p>	Must meet requirements	Must meet requirements	N/A	Must meet the following requirements for the key activities listed below	Form EXP – 4.2 (b)

<sup>8</sup> For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share shall be counted to meet this requirement.

<sup>9</sup> Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities).



## 5. Personnel

The Bidder must demonstrate that it will have the personnel for the key positions that meet the following requirements:

No.	Position	Total Work Similar Experience (years)	In Similar Works Experience (years)
1	Contractor's Project Manager	10	7
2	Chief engineer	7	5
3	Site Manager	5	3
4	Foreman	5	3

The Bidder shall provide details of the proposed personnel and their experience records in the relevant Forms included in Section IV, Bidding Forms.

## 6. Equipment

The Bidder must demonstrate that it will have access to the key Contractor's equipment listed hereafter:

No.	Equipment Type and Characteristics	Minimum Number required
1	Asphalt concrete plant with productivity not less than 30 tons/hour	1
2	Motor grader	1
3	Asphalt concrete patching equipment	1
4	Rubber Tyre compactor with operating weight not less than 9t and not more than 12t	1
5	Steel roller with operating weight not less than 10t and not more than 13t	1
6	Steel roller with operating weight not less than 6t and not more than 8t	1
7	Vibrating roller with operating weight not less than 10t and not more than 13t	1
8	Hydraulically or pneumatically operated Bitumen sprayer	1
9	Asphalt paver with an adjustable asphalt laying width not less than 3 m and suitable for advanced level adjustment work	1
10	Weigh bridge 30t	1
11	Site laboratory or access to corresponding laboratory services	1

The bidder should confirm that all equipment offered for the Works are in operable condition and functioning properly.

The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section IV.

## **7. Additional Qualification Criterion**

Bidder shall demonstrate that it has the capacity to handle one or more contract of the proposed works, while executing any outstanding works the bidder has already committed with the Employer or any other agencies. The Bidder shall submit the outstanding works In the form CCC (Current Contract Commitments/Works in Progress) with the bid.

"The Bidder's capacity is calculated as follows:

$$AT1 = AT2 - OW$$

Where:

AT1 – The bidder's available annual cumulative amount of contract(s) that can be awarded to the bidder under the proposed contract(s)

AT2 - Average Annual Construction Turnover of the Bidder as submitted in FORM FIN 3.2

OW – Annual Value of Outstanding Work including contracts decided to be awarded in the frame of LRNIP AF Y1 but work(s) not yet started.

Any bid found to indicate false or misleading representations in the forms, statements and attachments or any other related document submitted in proof of the qualification requirements will be rejected and will be treated as fraudulent practice in accordance with ITB 3.1

## **Section VII - Works Requirements**

# Specifications

SECTION NUMBER	CONTENT	PAGE No.
<b>0</b>	<b>GENERAL REQUIREMENTS</b>	iii
001	ACCEPTANCE OF WORK	001-01
002	MEASUREMENT AND PAYMENT	002-01
003	MOBILIZATION	003-01
004	EMPLOYER'S PROJECT MANAGER OR PROJECT MANAGER'S REPRESENTATIVES FACILITIES	004-01
005	LABORATORY TESTING	005-01
006	AS BUILT DRAWINGS	006-01
007	PUBLIC TRAFFIC	007-01
008	CONTROL OF MATERIALS	008-01
009	CEMENT	009-01
010	BITUMINOUS MATERIALS	010-01
011	AGGREGATE	011-01
012	MISCELLANEOUS MATERIAL	012-01
013	INSURANCE	013-01
014	ENVIRONMENTAL PROTECTION	014-01
<b>1</b>	<b>PREPARATORY WORKS</b>	
101	CLEARINGS GRUBBING	101-01
102	CLEARING & REGRADING OF EXISTING DITCHES	102-01
103	REMOVAL OF STRUCTURES, OBSTRUCTION AND TREES	103-01
<b>2</b>	<b>EARTH WORKS</b>	
201	EXCAVATION AND EMBANKMENTS	201-01
202	EXCAVATION OF NEW DITCHES	202-01
204	SUBGRADE PREPARATION	202-01
<b>3</b>	<b>PAVEMENT</b>	204-01
301	COLD REGENERATION	301-01
302	THERMAL REGENERATION	302-02
303	COLD MILLING	303-01
304	SEALING OF CRACKS & JOINTS AND PATCHING	304-01
305	LEVELING COURSES	305-01
306	RECONSTRUCTION AND WIDENING OF EXISTING PAVEMENT	306-01
307	BITUMEN PRIME AND TACK COAT	307-01
308	HOT ASPHALT CONCRETE PAVEMENT	308-01
309	SURFACE TREATMENT	309-01
309A	CRESCENT-SHAPED PAVEMENT	309A-01
309 B	<b>Otta sealing</b>	309B-01
309C	GEOGRID	309C-01
310	RAISING AND STRENGTHENING OF SHOULDERS	310-01
311	MINOR WORKS WITH ASPHALT CONCRETE	311-01
312	PORTLAND CEMENT STABILIZED GRAVEL PAVEMENT	312-01
313	BITUMEN TREATED BASE COURSE	313-01

<b>4</b>	<b>DRAINAGE</b>	
401	DRAINAGE STRUCTURES	401-01
402	RECONDITIONING EXISTING DRAINAGE STRUCTURES	402-01
403	SPILLWAYS, GULLIES AND LINED DITCHES	403-01
404	MINOR CONCRETE STRUCTURES	404-01
405	MANHOLES, INLETS, AND CATCH BASINS	405-01
<b>5</b>	<b>JUNCTIONS</b>	
<b>6</b>	<b>ROAD FURNITURE</b>	
601	GUARDRAILS AND PARAPETS	601-01
602	PEDESTRIAN & BRIDGE RAIL	602-01
603	BUS STOPS	603-01
604	PERMANENT TRAFFIC CONTROL	604-01
605	PERMANENT PAVEMENT MARKINGS	605-01
606	TEMPORARY TRAFFIC CONTROL	606-01
<b>7</b>	<b>UTILITY RELOCATION</b>	
701	UTILITIES	701-01
	STANDARDS	
<b>8</b>	<b>ARTIFICIAL STRUCTURES</b>	
801	MATERIALS AND SAFETY PRECAUTIONS	801-01
802	INITIAL CONSTRUCTION WORK	802-01
803	EXCAVATION AND BACKFILL	803-01
804	FORMWORKS	804-01
805	REINFORCEMENT	805-01
806	CONCRETE WORKS	806-01
807	REPAIR OF SMALL CONCRETE DAMAGES WITHOUT FORMS	807-01
808	PAINTING OF THE EXISTING STEEL STRUCTURES	808-01
809	DOWN PIPES	809-01
810	BRIDGE RAILINGS AND SIDEWALKS	810-01
811	BEARINGS	811-01
812	BRIDGE DECK EXPANSION JOINTS	812-01
813	WATERPROOFING	813-01
<b>9</b>	<b>GABION STRUCTURE</b>	901-01
901	Gabion blockwork	
<b>10</b>	<b>SIDEWALKS WORKS</b>	1001-01
1001	Construction of sidewalks	
<b>11</b>	<b>UNDERPASSES AND OVERPASSES</b>	
1101	Repairing of underpasses and overpasses	
Appendix 1	Environmental Management Plan (EMP)	N/A
Appendix 2	Safe working on the highway	



**All goods and materials to be incorporated in the Works be new, unused.**

**Detailed Specifications are provided as a separate document: BIDDING DOCUMENTS VOLUME 2  
– TECHNICAL SPECIFICATION.**

# Drawings

## Road section Martuni-Vaghashen-Vardenik km 0+000 - km 10+500

	Design package
	Location of road
	List of drawings
	<i>RD - General roadworks drawings</i>
1 - 01	Layout of road and longitudinal section ( 16 sheets )
2 - 01	Layout of road ( 4 sheets )
	<i>TD-Typical drawings</i>
TD01	Legend
TD02	Placing pavement on crossings and contiguous sections
TD03	Structure of pavement
TD04	Structure of r/c chute, slab and sidewalk
TD05	Water inlet
TD06	Outlet of in-situ chutes
TD07	Repair of irrigation chute
TD08	In-situ concrete chute 100x100cm
TD09	Case for fixing of r/c for wall
TD10	Trench for water pipeline
TD11	Traffic regulation scheme
TD12	Road marking
TD13	Standard design of traffic sign installation
TD14	Diagram of sizes of traffic signs
TD15	Road safety improvement scheme
TD16	Structure of delineators
TD17	Structure of railing
TD18	Power transmission post
TD19	Structure of chute 30x34
TD20	Steel guardrail with metal posts
4 - 01	Culverts ( 44 sheets )
4 - 01A	Drainage scheme ( 5 sheets )
	<i>Bridges</i>

	Bridge rehabilitation at the km 3+547,60
4-02-01.	Layout of bridge
4-02-02.	General view of the bridge
4-02-03.	Carriageway structure
4-02-04.	Repair structure for abutments
4-02-05.	Repair structure for intermediate abutments
4-02-06.	Structure of expansion joints
4-02-07.	Form drawing of sidewalk blocks T-1-0,75
4-02-08.	Structure of reinforcement of sidewalk block T-1-0,75
4-02-09.	Structure of BP - 1 bumper beams
4-02-10.	Structure of railing h = 1,0 m
4-02-11.	Structure of railing h = 0,65 m
4-02-12.	Structure of connecting bumper beams
4-02-13.	Traffic regulation scheme
	Retaining walls
5 - 01	Lower retaining wall km 3+556 - km 3+596 ( 11 sheets )
5 - 02	Lower retaining wall km 4+250 - km 4+277 ( 8 sheets )
5 - 03	Lower retaining wall km 6+080 - km 6+120 ( 10 sheets )
5 - 04	Upper retaining wall km 6+174 - km 6+280 ( 9 sheets )
5 - 05	Lower retaining wall km 6+194 - km 6+280 ( 7 sheets )
	Description of works ( 11 sheets )
	Explanatory note
	<b>Summaries</b>
1	Subgrade rehabilitation summary
2	Carriageway rehabilitation summary
3	Summary of access ramps
4	Summary of sidewalk demolition and restoration
5	Summary of artificial structures
6	Summary of concrete chutes 30x34
7	Summary of concrete chutes 50x60x300
8	Summary of in-situ concrete chutes 100x100
9	Summary of rehabilitation of concrete chutes
10	Summary of new retaining walls

11	Summary of rehabilitation of retaining walls
12	Summary of earthworks of retaining walls
13	Summary of guardrails
14	Summary of carriageway marking
15	Summary of traffic signs
16	Summary of demolition and relocation of utilities
17	Summary of rainwater inlets and manholes
18	Summary of railing
19	Summary list
20	Summary lists of culvert volumes
21	Summary list of retaining wall volumes
22	Summary lists of bridge volumes

#### **Summaries**

**Drawings are provided as a separate document: BIDDING DOCUMENTS VOLUME 3 – DRAWINGS - Road section Martuni-Vaghashen-Vardenik km 0+000 - km 10+500**

## **Bill of Quantities**

### **Bill of Quantities is provided as separate documents:**

#### **A. Preamble**

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Particular Conditions of Contract, Technical Specifications, and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and technical construction supervisor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Project Manager may fix within the terms of the Contract.
3. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with provisions of the Contract shall be included in the items provided in the prices Bill of Quantities , and where no items are provided the cost shall be deemed to be distributed amount the rates and prices entered for the related items of Works.
6. Any arithmetic errors in computation or summation will be corrected by the Employer as follows:
  - (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
  - (b) where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern and the unit rate will be corrected.

Bidders shall price the Bill of Quantities in **Armenian Drams only**.

## **Supplementary Information**

## Section VIII

### Particular Conditions of Contract

A. General	
GCC 1.1 (d)	The financing institution is: <b>International Bank for Reconstruction and Development (IBRD)</b>
GCC 1.1 (s)	The Employer is <b>Transport Projects Implementation Unit State Institution of the Ministry of Transport and Communication of the Republic of Armenia.</b>
GCC 1.1 (v)	The Intended Completion Date for the whole of the Works shall be <b>15 (fifteen) months</b>
GCC 1.1 (y)	The Project Manager is <b>to be nominated.</b>
GCC 1.1 (aa)	The Site is located at <b>Gegharquniqi Marz. Road section Martuni-Vaghashen-Vardenik km 0+000 - km 10+500 and defined in the Section VIII Drawings</b>
GCC 1.1 (dd)	The Start Date shall be <b>7 (seven) days after the Contract signing.</b>
GCC 1.1 (hh)	The Works consist of <b>Main type of works required: removal of old sub base and construction of new sub base, crushed stone base, asphalt layer, pothole patching, placing of leveling blanket, asphalt concrete overlay, drainage, road safety measures, etc..</b>
GCC 2.2	Sectional Completions are: <b>None</b>
GCC 2.3(i)	The following documents also form part of the Contract: <b>Environmental Management Plan</b>
GCC 3.1	The language of the contract is <b>English.</b>  The law that applies to the Contract is the law of <b>Republic of Armenia</b>
GCC 5.1	The Project manager <b>may</b> delegate any of his duties and responsibilities.
GCC 8.1	Schedule of other contractors: <b>N/A</b>
GCC 13.1	The minimum insurance amounts and deductibles shall be:  (a) <b>for loss or damage to the Works, Plant and Materials:</b>

	<p>minimum insurance amount shall be 110% of the original Contract price and deductible shall be not more than AMD 500,000..</p> <p>(b) For loss or damage to Equipment: minimum insurance amount shall be AMD 2,000,000 and deductible shall be not more than AMD 100,000.</p> <p>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract minimum insurance amount shall be AMD 10,000,000 and deductible shall be not more than AMD 100,000.</p> <p>(d) for personal injury or death:</p> <p>(i) of the Contractor's employees: minimum insurance amount shall be AMD 10,000,000 and deductible is not applicable. of other people: minimum insurance amount shall be AMD 10,000,000 and deductible is not applicable.</p>
<b>GCC 14.1</b>	Site Data are: <b>Summary Report on Road Condition described in the Section VIII Drawings</b>
<b>GCC 20.1</b>	The Site Possession Date(s) shall be: <b>The Site Possession Date shall be within 7 (seven) days after the Contract signing and shall be confirmed by the Employer with a written notification to the Contractor</b>
<b>GCC 23.1 &amp; GCC 23.2</b>	Appointing Authority for the Adjudicator: <b>"Permanently Acting Arbitration Court at Chamber of Commerce and Industry of the Republic of Armenia"</b>
<b>GCC 24.3</b>	Hourly rate and types of reimbursable expenses to be paid to the Adjudicator: <b>Will be inserted before contract signing</b>
<b>GCC 24.4</b>	<p>Institution whose arbitration procedures shall be used: <b>in accordance with the applicable national legislation.</b></p> <p>The place of arbitration shall be: <b>11-Khanjyan str., Yerevan, Armenia</b></p>
<b>B. Time Control</b>	
<b>GCC 26.1</b>	The Contractor shall submit for approval a Program for the Works within <b>7 days</b> from the date of the Letter of Acceptance.
<b>GCC 26.3</b>	<p>The period between Program updates is <b>30 (thirty)</b> days.</p> <p>The amount to be withheld for late submission of an updated</p>



	Program is <b>AMD 50 000 (fifty thousand)</b> .
<b>C. Quality Control</b>	
<b>GCC 34.1</b>	The Defects Liability Period is: <b>365 days (three hundred sixty-five)</b>
<b>D. Cost Control</b>	
<b>GCC 44.1</b>	NOT APPLICABLE
<b>GCC 45.1</b>	The Contract is <b>not</b> subject to price adjustment in accordance with GCC Clause 45, and the following information regarding coefficients does not apply.
<b>GCC 46.1</b>	The proportion of payments retained is: <b>10 (ten) percent</b> .
<b>GCC 47.1</b>	The liquidated damages for the whole of the Works are <b>0.1 percent of the Contract Price</b> per day. The maximum amount of liquidated damages for the whole of the Works is <b>10 (ten) percent</b> of the final Contract Price.
<b>GCC 48.1</b>	<b>Not applicable</b>
<b>GCC 49.1</b>	The Advance Payments shall be: <b>20 (twenty) percent</b> and shall be paid to the Contractor no later than <b>20 (twenty) days after submission of Advance Payment Bank Guarantee</b> .
<b>GCC 50.1</b>	The Performance Security will be in the form of an <b>unconditional Bank Guarantee (on demand)</b> in the amount(s) of <b>10 (ten) percent of the Contract Price</b> .
<b>E. Finishing the Contract</b>	
<b>GCC 56.1</b>	<p>The date by which operating and maintenance manuals are required is <b>not applicable</b>.</p> <p>The date by which “as built” drawings are required is <b>15 (fifteen) days following completion of the works</b>.</p>
<b>GCC 56.2</b>	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required in GCC 58.1 is <b>AMD 500 000 (five hundred thousand)</b> .
<b>GCC 57.2 (g)</b>	The maximum number of days is: <b>100 (one hundred) days</b> .
<b>GCC 58.1</b>	The percentage to apply to the value of the work not completed, representing the Employer’s additional cost for completing the Works, is <b>10 (ten) percent</b> .