

**Republic of Moldova**

**Ministry of Transport and Road Industry  
State Road Administration**

**Road Sector Program Support Project**

## **ADDENDUM NO.1 TO BIDDING DOCUMENTS**

### **ICB1**

**Rehabilitation of R14 Balti - Sarateni Road km 44+320 – km 66+670**

### **ICB2**

**Rehabilitation of M2 Chisinau - Orhei Road km 5+733 – km 26+200**

### **ICB3**

**Rehabilitation of R3 Chisinau - Hincesti Road km 7+820 – km 22+000**

**March 2008  
Chisinau**

## **Tender Document Addendum No. 1**

The following amendments are made to the Tender Documents issued on 11 February 2008:

### **A. Volume I: Bidding Documents (ICB 1, 2 & 3)**

#### **A1. Section 4 Bidding Forms, Appendix to Bid, Schedule of Adjustment Data**

In completing Table B Foreign Currency (FC), the following separate source indices are to be provided:

A: Non Adjustable (15%)

B: Labour

C: Equipment

D: Oil related products (e.g. bitumen, bituminous materials, fuel, other products where oil prices have a significant impact on production costs etc.)

E: Metal products (e.g. steel reinforcement, steel sections, miscellaneous metal products etc.)

The Bidder shall further subdivide Groups D and E and/or insert source indices for other groups of materials as they feel appropriate to fairly represent the foreign currency elements of cost.

#### **A2. Section 4 Bidding Forms, Bill of Quantities**

In the descriptions in Items 4.02 (ICB 1), 4.03 (ICB 2) and 4.12 (ICB 3), "Asphalt Pavement" is to be replaced with "bituminous mastic".

#### **A3. Section 4 Bidding Forms, Bill of Quantities**

In the description in Item 4.17 (ICB 3), "tack coat" is to be replaced with "prime coat".

In the description in Item 4.21 (ICB 3), "prime coat" is to be replaced with "tack coat".

#### **A4. Section 4 Bidding Forms, Bill of Quantities**

In Bill 6 Bridgeworks in ICB 1 and ICB 3, all references to Specification item 41301 are amended as follows:

Units are to be in Square Meters (units in tonnes are deleted).

Quantities to amended as follows:

ICB 1 <u>Item</u>	<u>Deleted Quantity</u>	<u>Amended Quantity (square meters)</u>
6.10.23	20.56	675
6.11.24	17.3	570
6.12.25	11.4	375
6.13.24	18.3	600
6.14.19	12.52	410
6.15.21	18.13	600

6.16.17	9.24	305
6.17.19	10.82	355
6.18.17	6.72	220
6.19.19	10.75	355
6.20.18	368.26	12,100.

ICB 3

<u>Item</u>	<u>Deleted Quantity</u>	<u>Amended Quantity (square meters)</u>
6.21A (page 55)	368.1	12,100
6.21A (page 57)	22.18	730
6.23C (page 59)	40.49	1,330
6.20D (page 61)	11.42	375.

**A5. Section 4 Bidding Forms, Bill of Quantities**

Bill 8 Signs and Markings (ICB 1, 2 & 3) is deleted and replaced with the attached amended Bills of Quantities (Appendices 1a, 1b, 1c).

**B. Volume 2: Technical Specifications (ICB 1, 2 & 3)**

**B1. Specification Chapter 001**

The following paragraph is to be added at the end of 001.01:

“Work acceptance for all works shall comply with this clause and with any specific work acceptance requirements under each chapter of these Specifications. Clause references are amended as follows:

- 308 – Reference to 001 to be added
- 401 – Reference to 001 to be added
- 403 – Reference to “204” is to be replaced with “001”
- 404 – Reference to 001 to be added
- 405 – Reference to 001 to be added
- 406 – Reference to 001 to be added
- 407 – Reference to 001 to be added
- 408 – Reference to 001 to be added
- 409 – Reference to 001 to be added
- 411 – Reference to 001 to be added
- 412 – Reference to 001 to be added
- 413 – Reference to 001 to be added
- 414 – Reference to 001 to be added
- 415 – Reference to 001 to be added
- 416 – Reference to 001 to be added
- 417 – Reference to “204” is to be replaced with “001”
- 418 – Reference to 001 to be added
- 605 – Reference to 001 to be added
- 607 – Reference to 001 to be added
- 706 – Reference to 001 to be added.”

**B2. Specification Chapter 006**

Specification 006.04 is replaced with the following:

“At the time that possession of site is given, a site inspection shall take place , attended by representatives of the Engineer, the Contractor and the Employer, to record the general

conditions and locations of road signs, street furniture and any other items, and to determine the measures necessary to safeguard such facilities.

The Contractor shall not request and the Employer shall not be obliged to give possession of Site of less than 10 km length of the road at any one time.

The Employer shall only consider requests by the Contractor for taking over sections of road that are at least 10 km. in length under Sub-Clause 10.2 of Conditions of Contract.”

### **B3. Specification Chapter 007**

The first sentence of paragraph 5 (“Schemes shall be submitted.....taken into account”) shall be replaced as follows:

“Schemes shall be submitted sufficiently early for the Road Traffic Police, the Engineer and the State Road Administration to give their approval.”

### **B4. Specification Chapter 011**

The following paragraph is to be added at the end of 011.01:

“Bitumen shall be tested using the Thin Film Oven test to AASHTO T179, and the residue shall be tested for penetration to AASHTO T49 and viscosity to AASHTO T201. The requirements for these tests are as follows:

- Thin Film Oven < 0.5% loss on heating after the test
- Penetration of residue at 25°C min. 52% (60/90 grade bitumen), min. 47% (90/130 grade bitumen)
- Viscosity at 60°C <4000.”

### **B5. Specification Chapter 012**

The following amendments are included:

- Sub-Clause 012.11 is to be renumbered 012.01.
- Sub-Clause 012.01: crushed stone aggregate standard GOST 8267-81 is to be replaced by GOST 8267-93\*.
- Sub-Clause 012.11: sand standard GOST 8736-85 is to be replaced by GOST 8736-93\*.
- Sub-Clause 12.03: title “Aggregates for bituminous mixtures” is to be replaced by “Bituminous mixtures”.

### **B6. Appendix to General Requirements Specifications**

In List of Standards Incorporated By Reference, the following amendments are required:

- i) N 57 “VSN 139-90” to be replaced by “VSN 139-80”.
- ii) The following standard is to be included in the list:
  - GOST 10268-80 (concrete aggregate size distribution).

iii) The following note is added at the end of the table:

“Note: An asterisk denotes a standard that has been subject to later modifications. The modifications are considered to be inclusive in applying the standard.”

#### **B7. Specification Chapters 102**

In measurement section and for Item 10201, “cubic meters” is to be replaced by “square meters”.

#### **B8. Specification Chapter 205**

Clause numbering after 205.1 is to be amended using 205.2 to 205.8 to replace 204.2 to 204.8.

#### **B9. Specification Chapter 304**

The last two clauses are to be re-numbered 304.8 and 304.9 to replace 304.5 and 304.6.

#### **B10. Specification Chapter 306**

The following paragraph shall be added at the end of 306.04:

“Subbase courses of ballast or crushed limestone M 300 h = 22.5 cm. included in Bill of Quantities under Item 30602 shall be executed of crushed stone-gravel-sandy mixtures according to GOST 25607-94.”

#### **B11. Specification Chapter 308**

In 308.02, the following items are amended:

- Crushed stone “GOST 8736-82” to be replaced by “GOST 8267-93\*\*”.
- Sand “GOST 8739-93” to be replaced by “GOST 8736-93\*\*”.

In 308.08, the following paragraph is to be added after the first paragraph:

“Asphalt mixes shall be tested for refusal density according to BS 598-104 and only mixes achieving a minimum of 2% air voids at refusal density shall be considered for approval.”

#### **B12. Specification Chapters 416 to 418**

The following wording in 416.03, 417.03 and 418.02 “The following equipment will be required for the works under this chapter” shall be replaced by the wording “The following equipment is likely to be required for the works under this chapter”.

#### **B13. Specification Chapters 418**

In measurement section with reference to item 41805 only, “square meters” is to be replaced by “cubic meters”.

#### **B14. Specification Chapters 704**

The chapter is to be deleted in full and replaced by the attached amended text (Appendix 2).

**C. Volume 3: Drawings (ICB 1, 2 & 3)**

**C1. Drawings PTT-DA-1 to 4 (ICB 1) and PTT-DA-1 to 10 (ICB 3)**

The drawings provided are to be replaced by the attached amended drawings (Appendices 3a, 3b).

**C2. Drawing PLRR-AT-1 (ICB 3 only)**

This is to clarify that this drawing is for special lined side drain between PC 85+83 and PC 88+23, and measurement and payment are under Bill of Quantities item 7.13A Specification Code 50303A).

**C3. Drawing PDO-DA-1 (ICB 3 only)**

Not applicable for ICB3.

**D. Appendix: Lists of volumes by sector / List of Drawings (ICB 1, 2 & 3)**

**C3. List of road signs**

Nr. Drawing 11 "List of road signs" is deleted in full and replaced by the attached amended list for ICB 1, 2 and 3 (Appendices 4a, 4b, 4c).