

AMENDMENT No. 3

to the Tender Documents

ref: Tendering No. RSP/2013/OT/W6/03-04

ROAD SECTOR PROGRAM

Rehabilitation of R16 Balti-Falesti-Sculeni Road

Lot 1: RSP/W6/03: km 4+800 to km 30+270

Lot 2: RSP/W6/04: km 30+270 to km 59+480

Issued on 31 January, 2015

General

The following amendment articles are applicable to Contract: “Rehabilitation of R16 Balti – Falesti – Sculeni Road:

- **Lot 1: RSP/W6/03:**
“Rehabilitation of R16 Balti – Falesti - Sculeni Road km 4+800 - km 30+270”
- **Lot 2: RSP/W6/04:**
“Rehabilitation of R16 Balti – Falesti - Sculeni Road km 30+270 - km 59+480”

Article 1

Tender Documents, PART 1 – TENDERING PROCEDURES and PART 3 - CONTRACT FORMS, Section III: Evaluation and Qualification Criteria,

Evaluation Criteria and Methodology

32. Qualification of the Tenderer

Table 2.4 Experience,

2.4.1 Experience

Lot 1:

Paragraph:

“Cold in place recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 15000 m³/year”

Shall be substituted by:

“Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 15000 m³/year;”

Article 2

Evaluation Criteria and Methodology

32. Qualification of the Tenderer

Table 2.4 Experience,

2.4.1 Experience

Lot 2:

Paragraph:

“Cold in place recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 17000 m³/year”

Shall be substituted by:

“Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 17000 m³/year;”

Article 3

Evaluation Criteria and Methodology

32. Qualification of the Tenderer

Table 2.4 Experience,

2.4.1 Experience

Lot 1 and Lot 2:

Paragraph:

“Cold in place recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 32000 tonnes/year”

Shall be substituted by:

“Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 32000 m3/year;”

Article 4

Evaluation Criteria and Methodology

32. Qualification of the Tenderer

Table 2.5 Equipment:

Lot 1:

Item description:

2	<i>Cold in place recycling machine, up to 250 mm depth, minimum output 400 tonnes/hour</i>	1
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Shall be substituted by:

2	<i>Cold recycling machine, up to 250 mm depth, minimum output 400 tonnes/hour</i>	1
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Article 5

Evaluation Criteria and Methodology

32. Qualification of the Tenderer

Table 2.5 Equipment:

Lot 2:

Item description:

2	<i>Cold in place recycling machine, up to 250 mm depth, minimum output 400 tonnes/hour</i>	1
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Shall be substituted by:

2	<i>Cold recycling machine, up to 250 mm depth, minimum output 400 tonnes/hour</i>	1
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Article 6

2. QUALIFICATION TABLES

2.4. Experience

2.4.2 Specific Experience:

Lot 1:

Paragraph C:

“C. Cold in place recycling of asphalt pavement on a single contract executed within the last 3 years at a rate not less than 15000 m³/year”

Shall be substituted by:

“C. Cold recycling of asphalt pavement on a single contract executed within the last 3 years at a rate not less than 15000 m³/year”

Article 7

2. QUALIFICATION TABLES

2.4. Experience

2.4.2 Specific Experience:

Lot 2:

Paragraph C:

“C. Cold in place recycling of asphalt pavement on a single contract executed within the last 3 years at a rate not less than 17000 tonnes/year”

Shall be substituted by:

“C. Cold recycling of asphalt pavement on a single contract executed within the last 3 years at a rate not less than 17000 m³/year”

Article 8

2. QUALIFICATION TABLES

2.4. Experience

2.4.2 Specific Experience

Lot 1 and Lot 2:

Requirement:

“b) For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum experience in the following key activities:

- A. Cold recycling of asphalt pavement on a single contract executed within the last 3 years at a rate not less than 32000 m³/year*
- B. Bridge structural rehabilitation works on a single contract executed within the last 3 years at a rate not less than – 1.300 m²/year.”*

Shall be substituted by:

“b) For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum experience in the following key activities:

- A. Average annual production and laying asphalt concrete over the last 5 years at a rate not less than: **45000 tonnes/year**;
- B. Production and laying asphalt concrete on a single contract executed within the last 3 years at a rate not less than **75000 tonnes/year**
- C. Cold recycling of asphalt pavement on a single contract executed within the last 3 years at a rate not less than **32000 m3/year**
- D. Bridge structural rehabilitation works on a single contract executed within the last 3 years at a rate not less than – **1300 m2/year.**”

Article 9

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 006.03
[PROTECTION AND DIVERSION OF SERVICES]

Wherever an existing overhead or underground installation carrying live services (gas, water, electric power, telephone, etc.) is to be diverted in order to perform the Works, the Contractor shall arrange for this work to be carried out by the owner of the installation. The Employer will have obtained prior approvals from the owners regarding diversion/removal of services shown on the Drawings but the Contractor shall be responsible for agreeing the programme for the work and for paying any necessary costs and fees through the Contract as instructed by the Engineer. The Contractor shall provide attendance as necessary and shall have general responsibilities for protecting the installation before, during and after diversion/removal.

Whenever during the execution of the Works the Contractor locates service installations which require diversion/removal and which are not shown on the drawings, he shall immediately notify the Engineer. The Engineer will liaise with the Employer and owner of the service to obtain the necessary actions.

Shall be substituted by:

Wherever an existing overhead or underground installation carrying live services (gas, water, electric power, telephone, etc.) is to be diverted in order to perform the Works, the Contractor shall carry out in accordance with the prior approvals obtained by the Employer from the owners regarding diversion/removal of services shown on the Drawings..

Whenever during the execution of the Works the Contractor locates service installations which require diversion/removal and which are not shown on the drawings, he shall immediately notify the Engineer. The Engineer will liaise with the Employer and owner of the service to obtain the necessary approvals.

Article 10

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 014.03, reference to "AASHTO M288" is replaced by "EN 13249"

Article 11

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 101.03, Works Description, Construction Drawings, the following paragraph is added "The time period for

Engineer’s review and submission to the Employer is 14 days”.

And the following paragraph is added:

Road Safety Audit for Draft and Final Construction Drawings

Road Safety Audit for Draft and Final Construction Drawings shall be carried out in accordance with the requirement of EU Directive 2008/96/EC of the 19th November 2009.

The Road Safety Audit may only be undertaken by Auditors meeting the requirements of Article 9 of Directive 2008/96/EC.

And the following Items are added to the Technical Specification:

10102	Provision for the implementation of traffic calming measures which may be identified during the safety audit for the preparation of the construction drawings	Provisional Sum
10103	Road Safety Audit for Draft and Final Construction Drawings	Lump-sum

Article 12

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 201.16, reference to “AASHTO M288” is replaced by “EN 13249”

Article 13

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 201.17.03, General requirements, the text “as shown in the Geotechnical drawing GDXX” is deleted.

Article 14

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 201.17.04. Protection Layers Construction, the text “Shaped the existing slope and the road embankment slope as shown in the Drawings GDxx.” is deleted.

Article 15

Tender Documents, Part 2 – Requirements, Technical Specifications Chapter 301.10: the wording “or the stiffness by Marshall” is deleted.

Article 16

Tender Documents, Part 2 – Requirements, Tender Documents, Part 2 – Requirements, Technical Specification, Chapter 302.01

302.01 INTRODUCTION

This work consists of the milling of the existing asphalt pavement. The milled asphalt shall only be used for the works on instruction from the Engineer.

shall be substituted by:

This work consists of the milling of the existing asphalt pavement where other works than cold recycling are foreseen. The milled asphalt shall only be used for the works on instruction from the Engineer.

Article 17

Tender Documents, Part 2 – Requirements, Tendering Procedures, Chapter 302.03 [MILLING]

302.03 MILLING

The existing bituminous pavement is made from different asphalt and gravel shall be milled and processed by at least sieving (if necessary) to meet the requirements for re-use in the regulating layer. The existing bituminous pavement material does not conform to any given grading, but consists locally of larger gravel and finer material.

shall be substituted by:

The existing bituminous pavement is made from different asphalt and gravel shall be milled and processed by at least sieving (if necessary) to meet the requirements for re-use in the regulating layer. If the existing bituminous pavement material does not conform to any given grading, but consists locally of larger gravel and finer material, then it shall be re-used or disposed as instructed by the Engineer.

Article 18

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 302.04 [ACCEPTANCE], Item No. 30201 has been revised as follows:

30201	Asphalt Concrete Pavement Milling to any depth and re-use or disposal as instructed by the Engineer.	Cubic Metre
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Article 19

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 303 [WIDENING AND RECONSTRUCTION OF THE EXISTING CARRIAGEWAY AND PROVISION OF NEW PAVEMENT]

303.04 [Construction Procedure]

Asphaltic binder and wearing courses shall be laid to the levels indicated in the drawings. Asphalt mixtures will be designed, produced and laid in accordance with the requirements of chapter 305 and SNiP 3.06.03-85.

Wherever new asphalt is laid abutting existing asphalt pavement, the edges of the old pavement shall be carefully cut to expose clean fresh vertical joint faces which will be tack coated with bituminous material meeting the requirements of chapter 304 and in compliance with the requirements of chapter 305 immediately before the fresh adjoining asphalt is laid. Minimum compaction requirements for the Binder and Wearing course shall be 98% of Marshall Density

(AASHTO T230).

Shall be substituted by:

Asphaltic binder and wearing courses shall be laid to the levels indicated in the drawings. Asphalt mixtures will be designed, produced and laid in accordance with the requirements of chapter 305.

Wherever new asphalt is laid abutting existing asphalt pavement, the edges of the old pavement shall be carefully cut to expose clean fresh vertical joint faces which will be tack coated with bituminous material meeting the requirements of chapter 304 and in compliance with the requirements of chapter 305 immediately before the fresh adjoining asphalt is laid. Minimum compaction requirements for the Binder and Wearing course shall be in accordance with chapter 305.14.

Article 20

Tender Documents, Part 2 – Requirements, Technical Specification, Chapter 301[COLD RECYCLING THE ASPHALT CONCRETE PAVEMENTS] 301.11 [ADJUSTMENTS FOR DENSITY]

Payment

The approved volumes, measured as described above, are payable according to unit rates, specified in the Contract.

The payment is performed for the following items:

No.	Item	Unit of Measure
30103	Cold recycling of the asphalt concrete pavement at a depth of 100 - 200 mm. Mixing in of new aggregates and stabilization with 3 % cement. Regulation to required transverse and longitudinal profile. Compaction. Total layer thickness 50 - 300 mm	Cubic Metre

shall be substituted by:

Payment

The approved volumes, measured as described above, are payable according to unit rates, specified in the Contract. Payment for milling of the asphalt concrete pavement on the sections where cold recycling is foreseen is included in Item No. 30103.

The payment is performed for the following items:

No.	Item	Unit of Measure
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30103	Cold recycling of the asphalt concrete pavement at a depth of 100 - 200 mm. Milling, mixing in of new aggregates and stabilization with 3 % cement. Regulation to required transverse and longitudinal profile. Compaction. Total layer thickness 50 - 300 mm	Cubic Metre
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Article 21

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 303.02, Materials the final row of the table is revised as follows:

Geotextile	EN13249
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Article 22

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 303.04, Construction Procedure, the text “98% of Marshall Density (AASHTO T230)” is deleted and replaced with “as specified in Chapter 305”.

Article 23

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 304 [PRIME AND TACK COATS FOR SUPPORTING SURFACE], Paragraph 304.06 “APPLICATION OF PRIME AND TACK COATS”, Prime coat application range was changed from kg/m² to l/m² of 0.8 to 1.0 l/m² and Tack coat application range was changed from kg/m² to l/m² of 0.25 to .04l/m².

Article 24

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 305.08 “Asphalt Mix Design and Testing, the text “of least 98% Marshall Density” is deleted and replaced by “in accordance with chapter 305.14”, and the text “ In case of discrepancy use SM STB 1033-2008” is added to the end of the section.

Article 25

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 305.14 “Acceptance Procedures”, the reference to “SNIP 306.06-85” is corrected to “SNIP 3.06.03-85”

Article 26

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 305.14 “Compaction”, the text “98% Marshall Density” is deleted and replaced by “0.99 of SNIP 3.06.03-85”.

Article 27

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 305.17 [ACCEPTANCE PROCEDURES]

Bitumen supplied to the site shall be routinely tested for conformity with these Specifications. For bitumen delivered in bulk, tests shall be conducted at a minimum rate of one set of tests per tanker load. For bitumen delivered in drums tests shall be conducted at a minimum rate of one set of tests per 10 tonnes received. These test rates are intended to be used for routine testing when deliveries are confirmed as uniform and of acceptable quality. Initially, the Engineer will order tests at a substantially greater intensity. In addition to the site tests all shipments of bitumen must have a manufacturer's test certificate indicating compliance with all the requirements of the Specification. This test certificate must be presented to and approved by the Engineer BEFORE the relevant shipment of bitumen is permitted to enter the site.

Shall be substituted by:

Bitumen supplied to the site shall be routinely tested for conformity with these Specifications. For bitumen delivered in bulk, tests shall be conducted at a minimum rate of one set of tests per tanker/truck load. For bitumen delivered in drums tests shall be conducted at a minimum rate of one set of tests per 10 tonnes received. These test rates are intended to be used for routine testing when deliveries are confirmed as uniform and of acceptable quality. Initially, the Engineer may order tests at a greater intensity. In addition to the site tests all shipments of bitumen must have a manufacturer's test certificate indicating compliance with all the requirements of the Specification. This test certificate must be presented to and approved by the Engineer BEFORE the relevant shipment of bitumen is permitted to enter the site.

Article 28

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 305 [ASPHALT CONCRETE FOR PAVEMENTS] 305.17,[ACCEPTANCE PROCEDURES], Item No. 30504.1 has been added as follows:

30504.1	Wearing course of asphalt concrete Type V M1 Thickness 30 mm	Square Metre
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Article 29

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 503.02 “Materials”, the Text “and a minimum compressive strength of 25 N/mm² at 28 days” is deleted and is replaced by “B20 concrete”.

Article 30

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 503 [PAVED WATERWAYS], Paragraph No. 503.05 “LINED SIDE DRAINS AND WATERWAY”, indicated types of lined side drains has been revised as follows::

Six types of lined drain are foreseen:

- **Type 1:** A lining of standard size for slopes $i < 5\%$
- **Type 2:** A lining of standard size for slopes $i = 3 - 5\%$

- **Type 3:** A lining of standard size incorporating regularly spaced anchor blocks for use on slopes $i > 5\%$
- **Type 4:** A rectangular side drains of width 60 cm and depth 60 cm In situ concrete, and/or precast concrete cast.
- **Type 5:** A lining of standard size for slopes $i = 2-3\%$, crushed stone stabilization of ditches.
- **Type 6:** A lining of standard size for slopes $i < 2\%$, Seeding with grass on topsoil $h = 0,15m$

Article 31

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 702.02 [MATERIALS]

The following two new paragraphs were added:

e) Anti-skid surface treatments

Anti-skid surface treatments shall consist of high-friction calcined bauxite aggregate applied to surfaces in a hot thermoplastic resin screed. Anti-skid aggregates will comply with the requirements of EN 1423.

f) Transverse Rumble Strips

Transverse rumble strips shall consist of thermoplastic markings immediately adjacent to vill

70207	Anti – skid surface treatments	Square Metre
70208	Transverse Rumble Strip	Square Metre

age name plates. The rumble strips shall comply with the requirements of SM SR 1848-7, 2013 and be formed in white color.

And lettering of point e) **Test Certificates** shall be substituted by g) **Test Certificates**

And the following Items have been added to the Technical Specification:

Article 32

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 801.03 [Working Conditions]

Payment

Items No. 80101B and 80102A have been deleted and Items Nos. 80101, 80102, 80102B and 80103 have been revised as follows.

No.	Item	Unit of Measure
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80101	Diversion of poles and 0.4kV overhead lines with light	Number
80102	Diversion of poles and 10kV overhead lines.	Number
80102B	Diversion of underground lines for 10 kv	Linear Metre
80103	The rearrangement of poles and aerial power lines of 110kV	Number

Article 33

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 801.03 [Working Conditions]

Payment

Items No. 80101B and 80102A have been deleted and Items Nos. 80101, 80102, 80102B and 80103 have been revised as follows.

No.	Item	Unit of Measure
80101	Diversion of poles and 0.4kV overhead lines with light	Number
80102	Diversion of poles and 10kV overhead lines.	Number
80102B	Diversion of underground lines for 10 kv	Linear Metre
80103	The rearrangement of poles and aerial power lines of 110kV	Number

Article 34

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 902 [GEOTEXTILE FABRICS], item No.90202.1 has been revised as follows:

90202.1	Geotextile Type 2 Reinforcement of Ravine	Square Meter
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Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 902 [GEOTEXTILE FABRICS], item No.90202.2 has been revised as follows:

90202.2	Geotextile Type 2 Embankment Reinforcement	Square Meter
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Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 902 [GEOTEXTILE FABRICS], item No.90201 has been revised as follows:

90203	Geocomposite Type 2 placed on slopes	Square Meter
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Article 35

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 903 [ACCESS ROADS], paragraph 903.04 “ACCEPTANCE WORKS”, was added two new items in Technical Specifications.

90301.1	Provide and remove access for slip remedial works at km 25+670 to km 25+720	Lump Sum
90301.2	Provide and remove access for slip remedial works at km 26+180 to km 26+276.2	Lump Sum

Article 36

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 904 [BORED PILES], Item No. 90402, has been revised and two new Items Nos. 90402.1 and 90402.2 have been added as follows:

90402	Construction of Connecting capping beam	Cubic Metre
90402.1	Construction of capping beam, RM-1 km 25+670 - km 25+720	Cubic Metre
90402.2	Construction of capping beam, RM-2, km 25+670 to km 25+720	Cubic Metre

Article 37

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 905 [FILTER DRAIN, MANHOLES, EXIT GULLY], 905.04 “ACCEPTANCE OF WORKS”, item No. 90501 has been revised as follows:

90501	Construction of the filter drains	Linear meter
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Article 38

Tender Documents, Part 2 – Requirements, Technical Specifications, Chapter 905 [FILTER DRAIN, MANHOLES, EXIT GULLY], 905.04 “ACCEPTANCE OF WORKS”, Item No. 90503 has been modified as follows:

90503	Construction of manholes	Number
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Article 39

Tender Documents, Part 2 – Requirements, Bill of Quantities, Lot 1, Bill No.100 [PREPARATORY WORKS], item No. 10202 has been added and Items Nos. 10304, 10305 and 30210 has been revised as follows:

10202	Removal of topsoil - stripping, loaded, transported and stockpiled for re-use Decaparea stratului vegetal - decaparea, incarcarea, transportarea si depozitarea pentru reutilizare	Cubic Metre	16410
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10304	Remove marker posts and dispose	Number
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	Demontarea si evacuarea bornelor de dirijare	
10305	Traffic signs removal and deliver to Employer Demontarea indicatoarelor rutiere si furnizarea lor Beneficiarului	Number
30210	Asphalt Concrete Pavement Milling at a depth of 16-18 cm	Square metre

Article 40

Tender Documents, Part 2 – Requirements, Lot 1, Bill of Quantities, Bill No. 400 [BRIDGE], was added new item No. 40005 in Bill of Quantities for bridge on Km 18+778.

40005	Construction of temporary bypass (furnished with a proof surface), level crossing of railroad, barriers, appropriate railroad crossing, traffic signs for traffic diversion; incl maintenance of the road diversion and its access ramps (kept dust-, snow- and ice free during the entire time of use) and operation of barriers. Railroad crossing to be approved by the State Railway Corporation.	Lump-sum
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Article 41

Tender Documents, Part 2 – Requirements, Lot 1, Bill of Quantities, Bill No. 500 [DRAINAGE STRUCTURES], items Nos. 50103.4, 50106.7 indicated quantities was substituted and Items No. 50302.4 and 50503 have been revised as follows:

50103.4	to Pipe culverts Ø 1000	Number	10
50106.7	Box Culverts, 2,00m x 2,00m, (span x rise)podet dreptunghiular 2,00m x 2,00m, (deschiderea x inaltimea)	Linear Meter	17,28

50302.4	Lined side drain or waterway Type 4 with precast concrete units or cast in situ	Linear Metre
50503	Open concrete channel as per drawing (precast block Б-2-20-50) Canal de beton de forma deschisa conform Desenelor (blocuri prefabricate Б-2-20-50)	Linear Meter

Article 42

Tender Documents, Part 2 – Requirements, Lot 1, Bill of Quantities, Bill No. 600 [ROAD FURNITURE and INCIDENTAL CONSTRUCTION], Item No. 30504A has been replaced by Item No. 30504.1, and a New Item No. 30302.1 has been added in Bill of Quantities as follows:

30302.1	Base course made of crushed limestone M300 H-100mm strat de fundatie din piatra concasata de calacar M300 H-100mm	Square Metre
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30504.1	Wearing course of asphalt concrete Type V M1 Thickness 30 mm	Square Metre
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Article 43

Tender Documents, Part 2 – Requirements, Bill of Quantities, Lot 1, Bill No. 800 [ENGINEERING SERVICES], items Nos. 80102B, 80201, 80202, 80205 and 80206 have been revised as follows:

80102B	Diversion of underground lines for 10 kv	Linear Meter
80201	Diversion of overhead communication lines and poles	Number
80202	Removal of underground communication cable	Linear Meter
80205	Relocation of high pressure gas pipeline	Linear Meter
80206	Relocation of water supply and sewage networks as shown in the Drawings	Linear Meter

Article 44

Tender Documents, Part 2 – Requirements, Lot 1, Bill of Quantities, Bill No.900 [SLIP REMEDIAL WORKS]

Slip Remedial Works km 9 + 640 to km 10 + 050

Shall be substituted by:

Slip Remedial Works km 9 + 695 to km 10 + 010

Bill of Quantities Items Nos. 90201, 90202.1, 90202.2 and 90203 have been revised and Items Nos. 90301.1, 90301.2, 90402.1 and 90402.2 have been added as follows:

90201	Geocomposite Type 1 (SAMI) Geocompozit Tip 1 (SAMI)	Square Metre
90202.1	Geotextile Type 2 Reinforcement of Ravine Geotextil Tip2 Consolidarea Ravenei	Square meter
90202.2	Geotextile Type 2 Embankment Reinforcement Geotextil Tip 2 Consolidarea Terasamentului	Square meter
90203	Geocomposite Type 2 placed on slopes Geocompozit Tip 2 asternut pe taluz	Square meter

90301.1	Provide and remove access for slip remedial works at km 25+670 to km 25+720	Lump Sum
90301.2	Provide and remove access for slip remedial works at km 26+180 to km 26+276.2	Lump Sum

90402.1	Construction of capping beam, RM-1 km 25+670 - km 25+	Cubic Metre	49,8
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90402.2	Construction of capping beam, RM-2, km 25+670 to km 25+720	Cubic Metre	290,52
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Article 45

Tender Documents, Part 2 – Lot 2, Requirements, Bill of Quantities, Bill No.100 [PREPARATORY WORKS], Items Nos. 10304 and 10305 have been revised as follows:

10304	Remove marker posts and dispose	Number
10305	Traffic signs removal and deliver to Employer	Number

Article 46

Tender Documents, Part 2 – Requirements, Lot 2, Bill of Quantities, Bill No. 500 [DRAINAGE STRUCTURES], Items Nos. 50103.4 and 50103.6 indicated quantities was substituted and Items No. 50302.4 and 50503 have been revised as follows:

50103.4	to Pipe culverts Ø 1000	Number	26
50103.6	to Pipe culverts Ø 1250	Number	7

50302.4	Lined side drain or waterway Type 4 with precast concrete units or cast in situ	Linear Metre
50503	Open concrete channel as per drawing (precast block B-2-20-50) Canal de beton de forma deschisa conform Desenelor (blocuri prefabricate B-2-20-50)	Linear Meter

Article 47

Tender Documents, Part 2 – Requirements, Lot 2, Bill of Quantities, Bill No. 600 [ROAD FURNITURE and INCIDENTAL CONSTRUCTION], Item No. 30504A has been replaced by Item No. 30504.1, and a New Item No. 30302.1 has been added in Bill of Quantities as follows:

30302.1	Base course made of crushed limestone M300 H-100mm strat de fundatie din piatra concasata de calacar M300 H-100mm	Square Metre
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30504.1	Wearing course of asphalt concrete Type V M1 Thickness 30 mm	Square Metre
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Article 48

Tender Documents, Part 2 – Requirements, Bill of Quantities, Lot 2, Bill No. 800 [ENGINEERING SERVICES], items Nos. 80101B, 80102, 80201, and 80203 have been revised as follows:

80101B	Diversion of poles and 0.4kV overhead lines with light.	Number
80102	Diversion of poles and 10kV overhead lines	Number
80201	Diversion of overhead communication lines and poles	Number
80203	Diversion of communication cables, fiber optics	Linear Meter

Article 49

Tender Documents, Part 2 – Requirements, Lot 1 Drawings:

- a) The following Drawings have been revised:
- CDM-SRW-01 Construction of Drains, Manholes
 - TLSD-R-01 Typical lined side drains 1,2,3
- b) The following Drawings have been added:
- TPCC-R-01 Pipe culverts elongation typical Ø 1.0 m
 - TPCC-R-02 Pipe culverts elongation typical Ø 1.0 m
 - PCE-R-01 Typical pipe culvert construction Ø1.0 m
 - PCE-R-02 Typical pipe culvert construction Ø1.0 m
 - FYA-R-01 Foot bridge TH 60 III f/f yard access
 - PTJR-01 Plan the temporary junction railway Km 18+778
 - PTJR-02 Plan the temporary junction railway Km 18+778
 - PTJR-03 Plan the temporary junction railway Km 18+778
 - PTJR-04 Plan the temporary junction railway Km 18+778
 - PTJR-05 Plan the temporary junction railway Km 18+778

Article 50

Tender Documents, Part 2 – Requirements, Lot 2 Drawings:

- c) The following Drawings have been revised:
- CDM-SRW-01 Construction of Drains, Manholes
- d) The following Drawings have been added:
- TPCC-R-01 Pipe culverts elongation typical Ø 1.0 m
 - TPCC-R-02 Pipe culverts elongation typical Ø 1.0 m
 - PCE-R-01 Typical pipe culvert construction Ø1.0 m
 - PCE-R-02 Typical pipe culvert construction Ø1.0 m
 - FYA-R-01 Foot bridge TH 60 III f/f yard access
 - CBG-R-01 Construction Box culvert 1.0x1.0
 - CBG-R-02 Construction Box culvert 1.0x1.0
 - CBG-R-03 Construction Box culvert 1.0x1.0
 - CBG-R-04 Construction Box culvert 1.0x1.0, RC slab construction

Article 51

Tender Documents, Part I – Section IV, Tender Forms, Bill of Quantities, Lot 1

The following Items have been deleted from Bill of Quantities:

- 30302.6 Subbase courses of limestone h=160 mm
- 30208 Asphalt Concrete Pavement Milling at a depth of 12-14 cm
- 30502 Binder course of asphalt concrete M1 - Thickness 40 mm
- 30801.7 Cement-stabilized base, Thickness 210 mm
- 50103.6 to Pipe culverts Ø 1250
- 50103.9 to Double pipe culverts Ø 1000
- 50104.6 Box Culverts, 1,00 m x 1,00m, (span x rise)
- 50105.7 to Pipe culverts Ø 1250
- 50106.6 Box Culverts, 1,00m x 1,00m, (span x rise)
- 50402.2 Outlet dissipator, Concrete B 20, pipe culvert
- 30901 Bituminous coated macadam H-60mm
- 80301.3 WC
- 50802 Precast concrete kerbing – type 2 (100x20x8)
- 30704 Paving with boulder granite stone of red color
- 70106.7 Install new signs on new poles Type 3000x680
- 70106.13 Install new signs on new poles Type 3500x2000
- 80101B Diversion of poles for 0,4 kV overhead lines
- 80102A Diversion of poles for 10kV overhead lines
- 80201A Diversion of communication cables, fiber optics

The following Items have been deleted from Bill of Quantities, Lot2:

- 80301.3 WC