

**REPUBLIC OF MOLDOVA  
ROAD SECTOR PROGRAM**

**STATE ROAD ADMINISTRATION**

\*\*\*

**CLARIFICATION DOCUMENT No.1**

**Answers to the Requests for Clarification received  
from prospective Tenderers**

**Road Rehabilitation Works under one Contract**

- **Contract RSP/W8/01-02:**

▪

*Lot 1: RSP/W8/01: "Rehabilitation of R34 Hincesti-Leova-Cahul Road, km 0+000–km 42+200"*

*Lot 2: RSP/W8/02: "Rehabilitation of R34 Hincesti-Leova-Cahul Road, km 42+200-km 83+000"*

\*\*\*

**Tendering No.RSP/2014/OT/W8-01**

\*\*\*

**Issued on 12 August, 2015**

## **Part 1 – R34 : Requests for Clarification - Design**

### **1. Question**

R34\_LOT1 & LOT2 PART2 REQUIREMENTS EMP VOL 1 VER 3 indicate Geotechnical report APPENDIX VI for Sustainable borrow areas. But there is not a file named GEOTECHNICAL REPORT in the documents which is in the link you sent us. We kindly ask you to send this document to us.

#### **Answer:**

The geotechnical report is not part of the Tender Documents, but is available for download at: [http://files.asd.md/ProcurementW8/R34 Part 2 Requirements Geotechnical Reports Ver 4 2.pdf](http://files.asd.md/ProcurementW8/R34_Part_2_Requirements_Geotechnical_Reports_Ver_4_2.pdf)

The choice of borrow areas is the Contractor's responsibility and the above information is provided for information only, and is not prescriptive or limiting in Tenderers' choices.

### **2. Question**

We refer to the tender for the rehabilitation of R34 Hincesti-Leova-Cahul Road where it is requested as experience at least one contract with "Cold Recycling of asphalt pavement"

Technically the "Cold Recycling of asphalt pavement" consist in the milling of the existing asphalt concrete, mix the milled material with the aggregate from the quarry in the right proportion lay it and stabilize it with cement like your project.

Actually, in Italy, it is not allow reusing the milled material from asphalt concrete in the sub base but it has to be dumped in controlled areas

Since the bottle neck for this activity is not the mix and lay of the milled material but the milling itself you are kindly requested to clarify if the experience of "Cold Recycling of asphalt pavement" is requested for the milling only or for the complete process of milling, mix, lay and stabilize the material.

#### **Answer:**

Experience in milling only will not be sufficient to demonstrate experience in cold recycling. The objective of this criterion is to allow Tenderers to demonstrate experience in all requirements for cold recycled asphalt as a method as specified in the Technical Specifications, CHAPTER 301 [COLD RECYCLING OF THE ASPHALT CONCRETE PAVEMENTS]. The introduction to this clause states that *"This work includes the milling of the existing asphalt layer, and if required part of the base materials. The tack-coating of the base (if necessary) and the adding of unbound crushed stone or of precoated crushed stone (if necessary) to the milled asphalt material. The addition of mineral binder (usually cement), water and additives (if necessary) and the mixing of the constituents, and the placing of the mix as a structural compacted layer."*

### **3. Question**

Section III: Evaluation and Qualification Criteria

Art. 32 Qualification of the Tenderer

(F) Experience

LOT 1: Table 2.4.1. Experience 4<sup>th</sup> Paragraph "Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 170.000 tonnes/year";

It means 510.000 ton in last 3 years (170.000\*3). The quantity from BOQ\_Bill 300\_Art.30103 is 89.680 mc (about 180.000 ton) to be executed in 24 months.

The quantities required for the experience seem out of proportion to the quantities to be performed, even taking account of the standards of qualification "EBRD" Art. 22.1 Example 2-

Specific experience ( $75\% \times 89.680/2 = 33.630 \text{ m}^3$  – about 67.260 ton).

Therefore we ask you to review the quantities requests in “TABLE 2.4.1 Experience 4<sup>th</sup> Paragraph”.

LOT 2: Table 2.4.1. Experience 4<sup>th</sup> Paragraph “Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 165.000 tonnes/year”;

It means 495.000 ton in last 3 years ( $165.000 \times 3$ ). The quantity from BOQ\_Bill 300\_Art.30103 is 86.288 mc (about 172.000 ton) to be executed in 24 months.

The quantities required for the experience seem out of proportion to the quantities to be performed, even taking account of the standards of qualification “EBRD” Art. 22.1 Example 2-Specific experience ( $75\% \times 86.288/2 = 32.358 \text{ m}^3$  – about 64.716 ton).

Therefore we ask you to review the quantities requests in “TABLE 2.4.1 Experience 4<sup>th</sup>Paragraph”.

**Answer:**

It is confirmed that the specified rates for “cold recycling of asphalt pavement” and “production and laying asphalt concrete” for Lot 1, for Lot 2 and for both Lots 1 and 2, on a single contract executed within the last three (3) years, need only to be achieved in at least one year.

In order to avoid misunderstanding the Tender Documents, Part 1: Instructions to Tenderers, Section III: Evaluation and Qualification Criteria, Art. 32 Qualification of the Tenderer; Table 2.4.1. Experience are revised as follows:

**Lot 1**

**The bullet points**

- *Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than: 90,000 tonnes/year;*
- *Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 170,000 tonnes/year;*

**Have been revised to the following:**

- *Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than: 90,000 tonnes/year in at least one year;*
- *Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 170,000 tonnes/year in at least one year;*

**Lot 2**

**The bullet points**

- *Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than: 65,000 tonnes/year;*
- *Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 165,000 tonnes/year;*

**Have been revised to the following:**

- *Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than: 65,000 tonnes/year in at least one year;*
- *Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 165,000 tonnes/year in at least one year;*

**Lot 1 & Lot 2**

**The bullet points:**

- *Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than: 155,000 tonnes/year;*

*Or alternatively:*

- *1 Contract with at least 90,000 tonnes/year*

*Plus*

- *1 Contract with at least 65,000 tonnes/year*

*Both contracts to have been implemented more or less concurrently*

- *Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 335,000 tonnes/year;*

*Or alternatively:*

- *1 Contract with at least 170,000 tonnes/year*

*Plus*

- *1 Contract with at least 165,000 tonnes/year*

*Both contracts to have been implemented more or less concurrently*

**Have been revised as follows:**

- *Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than: 155,000 tonnes/year in at least one year;*

*Or alternatively:*

- *1 Contract with at least 90,000 tonnes/year in at least one year*

*Plus*

- *1 Contract with at least 65,000 tonnes/year in at least one year*

*Both contracts to have been implemented more or less concurrently*

- *Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than: 335,000 tonnes/year in at least one year;*

*Or alternatively:*

- *1 Contract with at least 170,000 tonnes/year in at least one year*

*Plus*

- *1 Contract with at least 165,000 tonnes/year in at least one year*

*Both contracts to have been implemented more or less concurrently*

#### **4. Question**

According to the Section III. Evaluation and Qualification Criteria for Lot 1 and Lot 2, Page 25 Table 2.5, for related positions of the qualified personnel, it has mentioned that the Tenderer will supply on a first choice candidate and an alternate. However, in Section IV Tender Forms, Contractor's Personnel Form at Page 47, we understood that only a one candidate will supply for each related positions. Hereby, for the related personnel positions an alternate candidate is necessary or not?

**Answer:**

Tender Documents: Part 1 - Section IV: Tender Forms [Proposed Personnel] requires that "Tenderers should provide the names of suitably qualified personnel to meet the specified requirements for each of the positions listed in Section 3 (Evaluation and Qualification Criteria)" and Tender Documents: Part 1 - Section III: Evaluation and Qualification Criteria; Table 2.5 [Personnel] requires that "The Tenderer shall provide suitably qualified personnel to fill the following positions. For each position the Tenderer will supply information (in table 2.5) on a first choice candidate and an alternate, each of whom should meet the experience requirements specified below:"

Consequently it is confirmed that the Tenderer is required to supply the information for both a first choice candidate and an alternate for each position.

## 5. Question

According to the Section III. Evaluation and Qualification Criteria for Lot 1 and Lot 2, Page 24-25 Table 2.4.1, the tenderer need to comply with yearly productions for three different criteria. Could you Please Clarify this yearly minimum production rate is for only one year for over the last 3/5 years or this minimum rate has to be executed for each year for over the last 3/5 years?

### Answer:

It is confirmed that requirement “average annual production and laying asphalt concrete over the last five (5) years” refers to the average yearly production on all contracts executed within the past five years.

Please refer to the answer to Question 3 for clarification on the production rates on a single contract executed within the last three (3) years.

## 6. Question

According to the Section III. Evaluation and Qualification Criteria Item No 14, “discounts”, the methodology of the discount will be prescribed by the tenderer in its Letter of Tender.

Clarify, Can the tenderer proposed a methodology for discount in case to be awarded for LOT1 and LOT2 R34 and R9 at the same time. Please note that the tenderer fully aware of the project locations and required sources and criteria’s for R9 and R34 (Lot 1 & Lot 2)?

### Answer:

Since RSP/2014/OT/W8-1 for “Rehabilitation of R34 Hincesti-Leova-Cahul Road, Lot 1: RSP/W8/01: km 0+000 -km 42+200 and Lot 2: RSP/W8/02: km 42+200 -km 83+000” is a different tender process to RSP/2014/OT/W8-2 for “Rehabilitation of R9 Soroca-Arionesti Road, km 0+000 - km 30+950” there is no provision for conditional discounts in case of award of R34 (Lot 1 & Lot 2) and R9 at the same time.

For RSP/2014/OT/W8-1, as stated in the Invitation to Tenderers “Tenderers may submit tenders for one or both lots. Each lot must be priced separately. Tenders for more than one lot may offer discounts and such discounts will be considered in the comparison of tenders. Price discounts or reductions, which can only be offered on unit rates exclusive of provisional sums and/or contingencies, shall be submitted in accordance with ITT 14.4.”

For RSP/2014/OT/W8-2, in accordance with ITT 14.4, “The tenderer shall quote any unconditional discounts and the methodology for their application in the Letter of Tender, in accordance with ITT 14.1.”

## 7. Question

In the Drawings of Lot 1 the Plan & Profile Drawings aren’t shown. Could you please clarify?

### Answer:

Please refer to new drawings from LA001A to LA064A, which were inadvertently omitted from the Tender Documents.

## 8. Question

In the Drawings of Lot 1& Lot2 Bridge Drawings and Details including Piles, Beams, Guardrails for Bridge, Location of Retaining Walls, etc. aren’t shown. Could you please clarify?

### Answer:

Please refer to new drawings for Lot 1, Bridge No. R34-1N-B, Bridge No. R34-1-B, Bridge No. R34-2-B, Bridge No. R34-3-B, Bridge No. R34-4-B, Bridge No. R34-5-B, Bridge No. R34-6-B, Bridge No. R34-7-B, Bridge No. R34-8-B, Bridge No. R34-9-B, Bridge No. R34-10-B and Bridge No. R34-11-B which were inadvertently omitted from the Tender Documents.

Please refer to new drawings for Lot 2, Bridge No. R34-12-B, Bridge No. R34-13-B, Bridge No. R34-14-B, Bridge No. R34-15-B, Bridge No. R34-16-B, Bridge No. R34-17-B and Bridge No. R34-18-B which were inadvertently omitted from the Tender Documents.

### 9. Question

In the Drawings of Lot 1 Details of Manhole Drawing isn't shown. Could you please clarify?

#### Answer:

Bill Item 50504 provides quantities of concrete for manholes construction, and please also refer to new drawing No.LD-20

### 10.Question

In the BOQ of Lot 1, in Sheet Bill 000, the Quantity of Item No "00402" and Item Description "Maintain Contract Office" is specified "1 month". However, in the BOQ of Lot 2, The Quantity of the same Item No and Item Description is specified "24 month". Also, considering the Project Duration of Both Lot1 and Lot2, we understood that the both Quantity shall be "24 month". Could you please clarify?

#### Answer:

Quantity for Bill of Quantities LOT1, Item No. 00402 has been revised to 24 months.

### 11.Question

In the Drawings of Lot I and Lot 2, the clarifications which are mentioned below aren't shown.

- List of chutes on the slope
- List of Drainage Channels
- List of Kerbs 100x30x18
- Table of Pavement Works
- List of Quantities for Cast in situ Concrete Ditches
- List of Volume of Works for Manhole
- Volume of Works for Sub-Drains
- Summary List of Works

However, In The Drawings of RSP/W8/03^'Rehabilitation of R9 Soroca - Arionesti Road, km 0+000 - km 30+950" same clarifications are shown. Could you please clarify?

#### Answer:

For Lot 1 please refer to:

Drawing SD 004-1 SD 004-2, [Shoulder spillway] for list of chutes on the slope.

Drawing CST-2 [Typical Cross Section] for list of Drainage Channels.

Drawing CST-3 [Typical Cross Section] for list of kerbs 100x30x18.

Drawing CST-3 [Typical Cross Section] for list of pavement Works.

Bill of Quantities Item 50302.02 for Quantities for Cast in situ Concrete Ditches.

Bill of Quantities Item 50504 for quantities for Manhole.

Bill of Quantities New Item 50901 has been added for quantities of Sub-Drains.

For Lot 2 please refer to:

Drawing SD 003-1 SD 003-2, [Shoulder spillway] for list of chutes on the slope.

Drawing CST-2 [Typical Cross Section] for list of Drainage Channels.

Drawing CST-3 [Typical Cross Section] for list of kerbs 100x30x18.

Drawing CST-3 [Typical Cross Section] for list of pavement Works.

Bill of Quantities Item 50302.2 for Quantities for Cast in situ Concrete Ditches.  
 Bill of Quantities Item 50504 for quantities for Manhole.  
 Bill of Quantities New Item 50901 has been added for quantities of Sub-Drains.

## 12. Question

Both in Project Drawings and BOQ, some of the asphalt layers defined as Porous type. However in the Technical Specification clause 305.03 under the General Requirements, Porous type asphalt's are not allowed for the Project. Can you please clarify?

### Answer:

The Technical Specification Chapter 305.17.[ACCEPTANCE PROCEDURES], Payment Items have been revised as follows:

No.	Item	Unit of Measure
30501	Wearing course of stone mastic asphalt concrete (Type and Thickness specified in the Drawings and in the BoQ).	Square Metre
30502	Binder course of asphalt concrete (Type and Thickness specified in the Drawings and in the BoQ).	Square Metre
30503	Wearing course of asphalt concrete (Type and Thickness specified in the Drawings and in the BoQ).	Square Metre
90201	Geocomposite Type 1 (SAMI)	Square Metre

Bill of Quantities, Lot 1, Bill 300 [PAVEMENT], Items 30501 and 30508 have been replaced by Items 30501.1 and 30502.5 as follows:

30501.1	Wearing course of stone mastic asphalt concrete Thickness 40 mm	Square Metre	341 050
30502.5	Binder course of asphalt concrete SKBg-II - Thickness 100 mm	Square Metre	344 461

Bill of Quantities, Lot 2, Bill 300 [PAVEMENT], Items 30501 and 30508 have been replaced by Items 30501.1, 30502.1 and New Item 30502.5 has been added as follows:

30501.1	Wearing course of stone mastic asphalt concrete Thickness 40 mm	Square Metre	327 750
30502.1	Binder course of asphalt concrete SKBg-II - Thickness 60 mm	Square Metre	193 651
30502.5	Binder course of asphalt concrete SKBg-II - Thickness 100 mm	Square Metre	137 377

Bill of Quantities, Lot 1, Bill 600 [INCIDENTAL CONSTRUCTION], Minor intersections and Bus Stations, Items 30501, 30504A and 30503 have been replaced by Items 30501.1 and 30502.1 as follows:

	<b>Minor intersections:</b>		
30501.1	Wearing course of stone mastic asphalt concrete Thickness 40 mm	Square Metre	22 550
30502.1	Binder course of asphalt concrete SKBg-II Thickness 60 mm	Square Metre	22 550
	<b>Bus station</b>		



30501.1	Wearing course of stone mastic asphalt concrete Thickness 40 mm	Square Metre	3 940
30502.1	Binder course of asphalt concrete SKBg-II - Thickness 60 mm	Square Metre	3 940

Bill of Quantities, Lot 2, Bill 600 [INCIDENTAL CONSTRUCTION], Minor intersections and Bus Stations, Items 30501, 30504A and 30503 have been replaced by Items 30501.1 and 30502.1 as follows:

	<b>Minor intersections:</b>		
30501.1	Wearing course of stone mastic asphalt concrete Thickness 40 mm	Square Metre	16 200
30502.1	Binder course of asphalt concrete SKBg-II Thickness 60 mm	Square Metre	16 200
	<b>Bus station</b>		
30501.1	Wearing course of stone mastic asphalt concrete Thickness 40 mm	Square Metre	8 500
30502.1	Binder course of asphalt concrete SKBg-II - Thickness 60 mm	Square Metre	8 500

Please also refer to revised Drawings Nos:

Lot 1: CST – 1, CST – 2, CST – 3, CSD-01, CSD-02-1, CSD-03, SD-005 and SD-006;

Lot 2: CST – 1, CST – 2, CST – 3, CSD-01-1, CSD-02, SD-004 and SD-006.

### 13.Question

In Technical Specification Clause 305.08, for preparation of asphalt mix design, it is required to follow Marshall Method and requirements and procedures of SM STB 1033-2008. Also Marshall Mix design specifications are given in the following table in this section. However Marshall Mix design and its design findings are totally different then the requirements/procedures defined in SM STB 1033-2008. The Mix design specification given in the table can only be applicable to Marshall Design method but it will not correspond with the procedures in SM STB norms. So can you please clarify which method will be followed during the design and construction time, Marshall or local norms?

#### Answer:

The only method of asphalt mix design shall be the method described in SM STB 1033-2008. Chapter 305.08 [ASPHALT MIX DESIGN AND TESTING] of Technical Specification has been revised as follows:

*"Asphalt mixes to be used in the Works shall be designed by the Contractor in accordance with the requirements and procedures of SM STB 1033-2008. The Contractor shall allow the Engineer to participate in the mix design process and shall keep him fully informed throughout the procedure. When a satisfactory mix design has been prepared it shall be forwarded to the Engineer with all supporting test documentation for approval. Before approving a mix the Engineer shall confer with the Employer's laboratory that shall be satisfied that the mix is appropriate for conditions in Moldova. Following approval, the mix as used in the field shall comply with the requirements of SM STB 1033-2008 and with the tolerances given below. Throughout the course of the Works, asphalt shall be sampled and tested on a regular basis. Samples will be drawn from the mixing plant and/or from the finisher as directed by the Engineer at a frequency of not less than:*

*At least one sample for each 400 tons of mixture for regulating and binder course materials and*



*At least one sample for each 200 tons of mixture for wearing course materials. These samples shall be tested in the accordance with the requirements of SM-STB-133-2008. The percentages of aggregate grading as determined by testing shall not vary from the approved mix design values by more than:*

- +/- 2% aggregate sizes > 15 mm*
- +/- 1% aggregate sizes > 5 mm*
- +/- 0.5% aggregate sizes < 5 mm*

*Bitumen content as determined by testing shall not vary from the approved design mix in binder courses and regulating asphalt by more than +/-0.3% and in wearing courses by more than +/-0.2%.*

*If tests show that the mix being produced does not comply with these requirements all asphalt work will cease immediately the problem is noted and no further asphalt will be laid until, either the causes of the fault with the existing mix have been established and rectified or until a new mix design has been prepared and approved following the procedures above.*

*The thickness and the density of the asphalt course being laid will be checked by coring. At least one 100 mm diameter twin core for each 800 m<sup>2</sup> of asphalt mix laid shall be tested for density, thickness and voids.*

*With an absolute minimum of 3 cores being taken for any day's work. Cores will be checked for thickness of layer as the average of three uniformly spaced thickness measurements by caliper round the circumference of the core. The compacted asphalt in the field shall achieve a density in accordance with Chapter 305.14.*

*The grading and specific gravity of the cold aggregates will be tested as directed by the Engineer but normally not less than once per day. “*

#### **14.Question**

In STB 1033-2008 clause 5.7, during asphalt production and testing aggregate grading tolerance is  $\pm 3\%$  due to sampling and testing variations and errors. However in the Technical Specification clause 305.08 tolerances are  $\pm 2\%$  for coarse,  $\pm 1\%$  for medium size and  $\pm 0.5\%$  for fine size aggregates which is practically not possible to achieve. Due to this discrepancy, can you please clarify which tolerances are valid?

#### **Answer:**

Tolerances in Clause 5.7 of SM STB 1033-2008 are for materials being batched in the asphalt plant. Tolerances for testing gradation of asphalt mixes shall not vary from the asphalt mix design by more than the figures specified in Technical Specifications, Clause 305.08. The application of these tolerances is for different purposes and both tolerances shall be met.

#### **15.Question**

According to Technical Specification clause 303.04 Subbase consists of crushed limestone aggregate's and also Subbase is followed with a Base layer formed by Granite aggregates. However in BOQ items Base layer is defined as 'Base course of crushed stone M 400' which forms by limestone aggregates and Subbase is defined as 'Subbase course of crushed stone M 1200' which is definitely a granite layer. Can you please clarify this discrepancy?

#### **Answer:**

Bill of Quantities for Lot 1 and Lot 2 and Technical Specifications, description for Item No.30302 has been revised and New Items Nos. 30302.1 and 30302.2 have been added as follows:

#### **Lot 1, Bill 300 [Pavement] :**

30302	Subbase course		
-------	----------------	--	--

30302.1	Subbase course of ballast	Cubic Metre	12 150
30302.2	Subbase course of crushed limestone	Cubic Metre	25 360
<b>Lot 1, Bill 600 [Incidental Construction] :</b>			
30302.1	Subbase course of ballast	Cubic Metre	270
<b>Lot 2, Bill 300 [Pavement] :</b>			
30302	Subbase course		
30302.1	Subbase course of ballast	Cubic Metre	20 100
30302.2	Subbase course of crushed limestone	Cubic Metre	35 870
<b>Lot 2, Bill 600 [Incidental Construction] :</b>			
30302.1	Subbase course of ballast	Cubic Metre	390

## 16. Question

According to the paragraph 1.5 Priority of Documents. Part B of Particular Conditions of Contract. Sub-Clause (d) the Particular Conditions - Part A prevails over Sub-Clause (e) the Particular Conditions - Part B. Hereby we kindly ask you to clarify the following divergent interpretations in choice of reputable bank of financial institution to ensure Contract performance security.

### Particular Conditions - Part A: Performance security 4.2

The Performance Security shall be issued by a reputable bank or financial institution **selected by the Contractor**, and shall be in the form annexed to the Particular Conditions, as stipulated by the Employer in the Contract Data, or in another form approved by the Employer.

The Performance Security in form of “On-Demand” bank guarantee in the amount of 10 (ten) % from accepted amount of Contract in the same currency.

### Particular Conditions - Part B: 4.2 Performance Security

*The following paragraph shall be added:*

The Performance Security shall be issued by a reputable bank or financial institution **selected by the Employer**, and shall be in the form annexed to the Particular Conditions, as stipulated by the Employer in the Contract Data, or in another form approved by the Employer.

Please clarify the name of reputable bank or financial institution, **selected by the Employer**.

Please specify: shall the request be prior to deadline of submission of bids?

### **Answer:**

The Particular Conditions of Contract “Part A - Contract Data” and “Part B – Specific Provisions”, Performance Security 4.2, both state “The performance security shall be issued by a reputable bank or financial institution **selected by the Contractor**, and shall be in the form annexed to the Particular Conditions or in another form approved by the Employer.”

## 17. Question

Clarify the following discrepancy in Tender Documents regarding definition of Average turnover EUR equivalent value:

Section III. Evaluation and Qualification Criteria.

For the purpose of determining the EUR equivalent of other currencies the Tenderer shall use the exchange rates determined by the central bank of the Country of currency on the date of contract completion for project values, unless the Tenderer can demonstrate the total using the exchange rates on the respective payment dates for the contracts in question. Turnover EUR equivalent

value should be calculated at the exchange rate at the middle of each year reported, as set by the central bank of the Tenderer's country' or similar institution.

And in form FIN - 2 Average Annual Construction Turnover, the requirements is as follows:  
The information supplied should be the Annual Turnover of the Tenderer or each member of a JVCA in terms of the amounts billed to clients for each year for work in progress or completed, converted to EUROS at the rate of exchange at the end of the period reported.  
In addition, the paragraph 19.2. Part 1 - Section I: Instruction to Tenderers, defines, that a tender security shall be "from a reputable source".  
Will that do for the Employer, if the tender security is issued by any Ukrainian bank, having valid license for bank activity?

**Answer:**

It is confirmed that, as specified in Part 1 - Section III: Evaluation and Qualification Criteria, 32.1 [Post-qualification], *"Turnover EUR equivalent value should be calculated at the exchange rate at the middle of each year reported, as set by the central bank of the Tenderer's country or similar institution."*

The text in Form FIN – 2: Average Annual Construction Turnover, has been revised as follows:  
*"The information supplied should be the Annual Turnover of the Tenderer or each member of a JVCA in terms of the amounts billed to clients for each year for work in progress or completed, converted to EUROS at the rate of exchange at the middle of each year reported, as set by the central bank of the country of Currency or similar institution."*

The requirement for the tender security is that the tender security shall be from a reputable source and may be issued by such reputable source from any eligible country, including the Ukraine.

**18. Question**

Pursuant to ITT 32.4 "capabilities of Subcontractor proposed in its Tender to be used by the lowest evaluated tenderer for identified major items of the Requirements will also be evaluated for acceptability in accordance with the criteria and methodologies defined in Section III, Evaluation and Qualification Criteria".

Please confirm that experience of the subcontractor presented in the tender with the Form ELI - 2: JVCA Information Sheet will be accepted to fulfil requirements described in Section III, Evaluation and Qualification Criteria" 2.4.2 Specific Experience.

**Answer:**

Experience of subcontractors will not be accepted to fulfil the requirements described in Section III, Evaluation and Qualification Criteria, 2.4.2 Specific Experience.

**19. Question**

Please amend the Tender documents with missing drawings and description of the bridges.

**Answer:**

Please refer to answer of question No. 8.

**20. Question**

According to 2.4 GENERAL EXPERIENCE of Qualification, production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than 65,000tonnes/year is required.

Should the execution of these volumes be completed in any one year within the last three years or should be it average for the three years?

**Answer:**

Please refer to answer to question No. 3.

**21. Question**

What supporting documents are required for personnel and equipment?

**Answer:**

Please refer to the Tender Documents, Part 1 - Section II: Tender Data Sheet, Completed Schedule of Supplementary Information, the Tenderer's submission shall be in sufficient detail to demonstrate the logic and adequacy of the Tenderer's proposals with respect "*to resourcing of the Contract with qualified, experienced personnel and the plant and equipment required progress the Works to programme;*" and among others, lists the following:

- “
- i) Site organisation and Method statement;
    - (c) *An overall organisation chart for the management, control and execution of the Works, showing the intended involvement of all proposed contributors to, and participants in, the project, including the Tenderer's staff (stating names of and alternatives for, Key Personnel), labour suppliers and subcontractors. The Traffic management is also to be envisaged the in the organizational chart;*
  - ii) Mobilisation and Construction Schedules;
    - (c) *The capacity of the major items of Contractor's Equipment, its programmed production rate and the periods it will be on site;*
  - iii) Contractor's Equipment;
    - (a) *The major items of plant and equipment proposed to be used in the Works, stating the present location and use of that equipment, its ownership and its age.*
  - iv) Contractor's Personnel.
    - (a) *Key staff and alternates*
    - (b) *General and specific experience*
    - (c) *Resumes*”

**22. Question**

According to the bidding documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_EMP\_Lot 1 Ver\_3” and “R34\_Lot 1 & Lot 2\_Part 2 RequirementsEMPLot 2\_Ver\_3” 7<sup>th</sup> Clause the Contractor will bear the cost for implementing the mitigation measures and monitoring activities, and at Table 4 the value of these cost has been estimated.

On the other hand, some of these costs has already been defined in BOQ such as BOQ BILL 200 “PLANTING OF TREES AND SHRUBS” but with different quantities.

Reference to above, please clarify does the Contractor need to consider such Works which has been defined in Table 4 completely separate works other than BOQ even though it is existing.

**Answer:**

We confirm that the Contractor will bear the cost for implementing the mitigation measures and monitoring activities. Section 7 and Table 4 and summary references to these have been deleted in the EMP.

The tenderer shall price items 20501.1, 20501.2, 20502.1 and 20502.2 as provided in the Bill 200 for Lot 1 and Lot 2.

**23. Question**

At the Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 1\_Ver\_3” and “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 2\_Ver\_3” BILL 000 a last title has been defined as “COMPLIANCE WITH ENVIRONMENTAL MANAGEMENT PLAN REQUIREMENTS”, but unfortunately this title has not been defined in sub items with

Quantities. Therefore please clarify what has been expected from the Contractor regarding with this title.

**Answer:**

Technical Specification CHAPTER 016. [COMPLIANCE WITH ENVIRONMENTAL MANAGEMENT PLAN REQUIREMENTS], Measurement and Payment have been revised as follows:

***“Measurement***

*Not applicable. Measures to ensure compliance with the Environmental Management Plan Requirements of all kinds as outlined above or as necessitated by any other requirement of the Contract will be measured as a Lump Sum.*

***Payment***

*Payment for the requirements set out in Chapter 016 [Compliance with Environmental Management Plan requirements] shall be deemed to be included elsewhere within the cost items of the Bill of Quantities.”*

Bill of Quantities, Lot 1 and Lot 2, Bill 000, subtitle “COMPLIANCE WITH ENVIRONMENTAL MANAGEMENT PLAN REQUIREMENTS” has been deleted.

## 24. Question

At Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements - BOQ (Preamble)\_Ver3” following statement seems to be deleted “The additional costs of the Engineer’s supervision of the Works when extended working hours and/or weekend working is permitted;”. So with the acceptance of the deletion of the statement, Can the Contractor consider that no additional cost will be compensated by the Contractor for extra hours for normal days and holidays such as Saturdays, Sundays and public holidays. Moreover will the Engineer be sufficiently available for this specified hours and days.

**Answer:**

Please refer to the requirements of General Conditions of Contract Sub-Clause 6.5 [Working Hours], which sets out the conditions for work outside “*locally recognised days of rest, or outside the normal working hours stated in the Contract Data*”, and to Sub-Clause 8.6 [Rate of Progress] which sets out the conditions for adoption of revised methods “*which may require increases in the working hours and/or in the numbers of Contractor’s Personnel and/or Goods, at the risk and cost of the Contractor. If these revised methods cause the Employer to incur additional costs, the Contractor shall subject to notice under Sub-Clause 2.5 [Employer’s Claims] pay these costs to the Employer, in addition to delay damages (if any) under Sub-Clause 8.7 below.*”

## 25. Question

At the Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 1\_Ver\_3” BILL 100 a last title has been defined as “TEMPORARY ROADS AND SIGNING”, but unfortunately this title has not been defined in sub items with Quantities. Therefore please clarify what has been expected from the Contractor regarding with this title.

**Answer:**

Lot 1, Bill of Quantities, Bill No. 100 [EARTHWORKS], New Item No. 10501, has been added as follows:

10501	Provide diversion road	Linear Metre	281
-------	------------------------	--------------	-----

Lot 2, Bill of Quantities, Bill No. 100 [EARTHWORKS], New Item No. 10501, has been added as follows:

10501	Provide diversion road	Linear Metre	220
-------	------------------------	--------------	-----

#### 26. Question

At the Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 1\_Ver\_3” BILL 300 two title has been defined as “REMOVING, RESTORING AND REPAIRING THE SHOULDERS” and “VARIOUS ASPHALT WORKS”, but unfortunately this titles has not been defined in sub items with Quantities. Therefore please clarify what has been expected from the Contractor regarding with this title.

#### Answer:

New Item 20103 [Select Fill to Shoulders (Shoulder fill)] and quantities have been included in Bill 200 for Lot 1 and Lot 2.

New Item 30602.1 [Shoulder surfacing material Thickness 150 mm] and quantities have been included in Bill 300 for Lot1 and Lot2.

Bill of Quantities for Lot 1, Bill 300, Subtitle [VARIOUS ASPHALT WORKS] has been deleted.

#### 27. Question

At the Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 1\_Ver\_3” BILL Pod Nr. IN three title has been defined as “Technical Support/ Suport tehnic” & “Pile Load Tests/Testarea Pilotilor prin Incarcare cu Sarcina” and “Dynamic and Static Load Test on Bridges

Testarea Statica si Dinamica a Podurilor”, but unfortunately this titles has not been defined in sub items with uantities. Therefore please clarify what has been expected from the Contractor regarding with this title.

#### Answer:

Unnecessary Subtitles, units of measurement in the Item headings with no quantities, and other wording have been deleted from the revised Bill of Quantities, including the Subtitles mentioned in the Question.

#### 28. Question

At the Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 1\_Ver\_3” Bridge No.10 a title has been defined as “Superstructure/ Suprastructura”, but unfortunately this title has not been defined in sub items with Quantities. Therefore please clarify what has been expected from the Contractor regarding with this title.

#### Answer:

Please refer to Answer to Question 27.

#### 29. Question

At Tender Documents “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 1\_Ver\_3” and “R34\_Lot 1 & Lot 2\_Part 2 Requirements\_BOQ\_Lot 2\_Ver\_3” there are several line items which seems to be as a subtitle with sub items below. But also next to these titles Unit of Measure has been defined without any quantity. Therefore could you please clarify with this with a revised BOQ.



**Answer:**

Please refer to Answer to Question 27.

**30. Question**

As per Section III, qualification criteria, specific criteria, the contractor should demonstrate experience in Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than 335,000 tonnes/year. We would like to confirm if it is possible to fulfil the mentioned requirement with the experience of a Cold recycling specialized subcontractor?

**Answer:**

Please refer to the answer to Question 18

**31. Question**

It has been introduced in pre bid meeting held on 02.06.2015 that "Rehabilitation of R34 Hincesti - Leova - Cahul Road" project will be managed by one Consultant company with two separate teams for two lots. Please clarify can the Contractor submit an alternative proposal incase to be awarded for two Contracts at the same time with a discount and with a condition of one management team for the Engineer and Contractor.

**Answer:**

No alternatives to the requirements in the Tender Documents are permitted during the tender process. It should be noted that in the event that a Tenderer is awarded both lots, he will need to have demonstrated adequate resources including personnel as required in the Tender Documents.

**32. Question**

The tender document which has been provided does not contain geotechnical report; therefore we would appreciate for receiving geotechnical reported is possible.

**Answer:**

Please refer to the answer to question 1

**33. Question**

In the Drawings of Lot 1, in Retaining Wall for Embankment (H= 5.00 m), it has been observed that there are very few quantity of 0 1.08 m Drilled Piles. The Tenderer kindly suggests that maybe it will be more beneficial for the Client cost wise if this Drilled piles are converted to driven piles.

**Answer:**

Drawings CSD-04 to CSD-11 have been revised and New Items No. 60401, 60401.1, 60401.2, 60401.3, 60401.4, 40303A, 40303B, 60402 and 60403 have been added to the Bill of Quantities.

Tenderers are reminded that alternative technical solutions are not permitted.

**34. Question**

In the Tender Documents, In BOQ Bill No 100 and Bill No 200, Demolishing and Planting of Trees and Shrubs have been defined. Please clarify will the existing trees be demolished and send it to the designated area or will they be removed and replanted to the new limit.

**Answer:**



Please refer to Bill of Quantities No. 100, Item 10203 for quantities for *“tree clearance and disposal”*.  
And refer to Bill of Quantities No. 200, Items 20501.1, 20501.2, 20502.1 and 20502.2 for quantities for *“planting of trees and shrubs”*.

### 35. Question

Define in detail the specification of the trees and bushes which will be planted with the dimensions and the age etc.

#### Answer:

Please refer to EMP, Table 2 “MITIGATION MEASURES DURING DESIGN, CONSTRUCTION AND OPERATION” which states that the *“Quality of trees to be planted shall be 16 to 18 cm stem circumference in 1 m height”*.

### 36. Question

Clarify is there any areas need for expropriation. If yes please clarify the dates for the Contractors possession of site.

#### Answer:

All necessary expropriations have been completed.

### 37. Question

In Tender Documents, In BOQ, House Entrance hasn't been shown as a separate item. Therefore please clarify BOQ Bill No 300 Road Pavement (Wearing & Binder Courses, Base etc.) are includes the house entrance / access in its mentioned quantities. Or Else is it possible to rearrange the BOQ for the House Entrance pavement quantities as separate items.

#### Answer:

For revised structure of sidewalks and entrances to yards please refer to revised Drawings CST-3 and New Drawing SD 006 for Lot 1, and to revised Drawings CST-3, SD 005-1 and SD-005-2 for Lot 2.

The description of Item 70302 has been changed as follows: *“[Construction of new entrances to properties and/or existing sidewalk with asphalt concrete surface]”* and the quantities for sidewalks and entrances to *properties* are including in Bill Item No. 70302 for Lot 1 and Lot 2.

Technical Specification Chapter 703 [SIDEWALKS] has been revised to Chapter 703 [ENTRANCES TO PROPERTIES AND SIDE WALKS] and the following changes have been made in the text:

“

#### 703.01. Introduction

*This type of works consists of constructing new entrances to properties, new sidewalks and/or surfacing the existing entrances to properties and existing sidewalks with new asphalt concrete or cement concrete as directed by the Engineer.*

#### 703.02. Materials

*Materials, items, and structures used for the works under this Section should meet the following requirements.*

- *Fine grained asphalt concrete mix SM STB 1033:2008*
- *Aggregate for foundations SM GOST 8267 - 93*
- *Sand GOST 8736-93*

- *Stairway structures according to the project*
- *Cement-sand mixture according to the project*
- *Concrete Paving Blocks according to the project*
- *Material for concrete in accordance with Chapter 504.*
- *kerbs shall be in compliance with Chapter 505.*

#### **703.03. Construction**

*The works are to be performed at the same time as pavements of the main roadways are being installed. When kerbs are required between the sidewalk and the roadways, placing kerbs should be performed before constructing the upper pavement layers and sidewalks.*

*Earth works should be in accordance with Chapter 201.*

*New pavement consisting of macadam foundation and fine grained asphalt concrete mix surface should be carried out in accordance with Chapter 306 for the macadam base and Chapter 307 for the asphalt surface. The contractor's equipment should be capable of constructing the pavement of design width as shown in the Drawings.*

#### **703.04. Repair**

*Where directed by the Engineer the Contractor shall repair existing entrances to properties and existing sidewalks by removing loose asphalt material and resurfacing with a 40mm layer of new fine grained asphalt mix.*

#### **703.05. Works Acceptance**

*The works under this Section are accepted in accordance with Clause 002 and providing that they are carried out according to the Project requirements, Drawings and Specifications and receive the Engineer's approval.*

#### **Measurement**

*Works will be measured (at design thickness of pavement courses or by actual thickness accepted, whichever is the lower) by area in accordance with the units designated in the bill item. Works relating to construction of stairways will be measured by length of stairway*

#### **Payment**

*The works measured as indicated above and confirmed by the Engineer will be paid at the rates provided in the contract against those items that are shown in the bid schedule.*

*The payment under these items shall be the whole of the payment due for the completion of all.*

<b>No.</b>	<b>Item</b>	<b>Unit of Measure</b>
70301	<i>Repair of existing entrances to properties and/or existing sidewalk with asphalt concrete</i>	<i>Square Metre</i>
70302	<i>Construction of new entrances to properties and/or existing sidewalk with asphalt concrete surface</i>	<i>Square Metre</i>
70303	<i>Construction of new entrances to properties and/or existing sidewalk with cement concrete surface</i>	<i>Square Metre</i>
70304	<i>Construction of new entrances to properties and/or existing sidewalk with concrete Paving Blocks</i>	<i>Square Metre</i>

“

### 38. Question

Qualification criteria. - it is requested to "... demonstrate that it has successful experience as prime contractor in the execution of at least 2(two) project of a nature and complexity comparable to the proposed contract..." please clarify if the contract executed in JV with other partner is considered valid if the portion (% of JV) of the applicant in those contract is more than the value requested for R34 road and/or R9 experience.

#### Answer:

It is confirmed that a contract executed in Joint Venture with other partner is considered valid if the applicant's portion (% of Joint Venture) in such contract is not less than the Tender Documents' requirements.

### 39. Question

Art. 19 of Instruction to Tenderer - Tender Security. - Is it allowed for the foreign company not registered in Moldova to provide the tender guarantee issue by a European Bank not present in Moldova. Please clarify.

#### Answer:

The requirement is that the tender security shall be from a reputable source and may be issued by such reputable source from any eligible country. There is no requirement for such reputable source to have a presence in Moldova.

### 40. Question

TDS 20.2 - the instruction says "... shall consist of Power of Attorney, duly authorized by a Notary Public, indicating that person...." for the foreign company normally is accepted the Power of Attorney duly authorized by a Notary Public in the Country of the Company then translated and certified by the Embassy/Consulate of Moldova in the country of the Company. Is it acceptable? Please clarify.

#### Answer:

Notarisation by a Notary Public in the Country of the Company is sufficient. There is no requirement for certification by the Embassy/Consulate of Moldova in the country of the Company.

### 41. Question

During the site visit on R34 road we discovered that the volume 2 of drawings (bridges) has not been issue with the tender documents. You are kindly requested to send us in order to study the part of works missed up to today date.

#### Answer:

Please refer to answer to Question 8.

### 42. Question

Chapter 305.03 at general requirements is mentioned that: Asphalt will be produced in various types according to the job requirements and shall be either fine grained dense or coarse grained dense. Porous mixes are not accepted for the works.

#### Answer:

Please refer to answer to Question 13.

#### **43. Question**

In BoQ Bill 600 pavement there are items under this chapter named Base course made of coarse grained porous asphalt concrete M1 – same in drawing no. SD005. Please clarify the exact type of asphalt mixture to be used.

#### **Answer:**

Please refer to revised drawings SD 005 for Lot 1 and SD 004 for Lot 2. Also refer to answer to Question 12.

#### **44. Question**

Typical cross sections no.1 to no. 6 the asphalt mixture below Stone mastic asphalt is dense bituminous mixture.

#### **Answer:**

Please refer to revised drawings CST – 1, CST – 2 and CST – 3 and answer to Question 12.

#### **45. Question**

In BoQ there are items under this chapter named Base Course made of coarse grained porous asphalt concrete M1. Please clarify the exact type of asphalt mixture to be used.

#### **Answer:**

Please refer to answer of question No. 12.

#### **46. Question**

Chapter 011 Bitumen makes reference to SM GOST 22245-90. Please clarify if European Union standards already approved for use in Moldova will be also applicable. We ask you to inform us if, there is also possible to use materials certified based on standards in force in Moldova other than the ones from list attached in technical specification if the quality requirements are assured? (as reinforcement, geotextile, pipe and so on).

#### **Answer:**

It is permissible to use materials certified according to applicable standards in force in the Republic of Moldova, subject to complying with the quality and technical requirements for materials specified in the Design.

#### **47. Question**

Chapter 201.03 explains following provisions: „the materials for embankment construction shall have a CBR of not less than 15% measured after a 4-day soak on a laboratory mix compacted to a dry density of 95% MDD (AASHTO T180), a swell of less than 1% and Plasticity Index of less than 30%. All fill material in embankments, except the 300 mm below formation shall be compacted to 95% MDD.” In the BOQ for item no. 7.02, Spec.Ref. 90104 Provide material for new road embankment for borrow pits with soaked CBR > 6% the requirement is CBR > 6%. Considering the fact that on Moldovan constructions market the existing materials do not fulfill so high requirements please clarify the correct CBR requirements.

#### **Answer:**

The Technical Specification requirements for CBR and embankment compaction have been

revised as follows:

Chapter 201.03 [MATERIAL] text has been revised to :

*All fill material for embankment construction, except the 300 mm below formation, shall have a CBR of not less than 6% measured after a 4-day soak on a laboratory mix compacted to a dry density of 95 % MDD (AASHTO T180), a swell of less than 1 % and a Plasticity Index of less than 17 and shall be compacted to 92 % MDD.*

*The fill material in the layer 300 mm below formation (subgrade) in embankments shall have a CBR of not less than 10% measured after a 4-day soak on a laboratory mix compacted to a dry density of 95 % MDD (AASHTO T180), a swell of less than 1 % and a Plasticity Index of less than 17 and shall be compacted to 95 % MDD.*

*The materials for the embankment construction shall not contain oversize materials larger than 100 mm, and for the 300 mm layer below formation level shall not contain oversize larger than 50 mm.*

*The selected fill materials for shoulder construction shall have less than 30% passing the 75 micron sieve to BS 410, shall have a Plasticity Index less than 17 and shall have a soaked CBR of not less than 15%, measured after a 4-day soak on a laboratory mix compacted to a dry density of 95 % MDD and shall be compacted to 98% MDD.*

Chapter 201.09.[ROADBED PREPARATION], text has been revised to:

**a) Embankments on existing slopes less than 3:1**

*The cleared area will be scarified or loosened to a 150 mm depth with a plough or a scarifier and compacted in accordance with NCM D.02.01:2015 Chapter 7 to a minimum depth of 150 mm.*

**b) Embankment on an existing slope steeper than 3:1**

*Cut horizontal benches in the existing slope to a sufficient width to accomodate placing and compacting operations and necessary equipment. Bench the slope as the embankment is placed and compacted in layers. Begin each bench at the intersection of the original ground and the vertical cut of the previous bench. Benches need be no deeper than two lifts of fill material; they may be cut as the work of filling proceeds and the material arising from benches may be blended in with the fill material as work progresses. No measurement or payment will be made for the work of benching which shall be considered as an ancillary work to the construction of embankments. The in-situ treatment of the roadbed on which the embankment will be constructed shall be compacted in accordance with NCM D.02.01:2015 Chapter 7 to a minimum depth of 150 mm.*

Chapter 201.10. [CONSTRUCTION OF EMBANKMENTS], text “to a minimum 92% of MDD” has been replaced by “in accordance with NCM D.02.01:2015 Chapter 7”

Chapter 201.17.04 [PROTECTION LAYERS CONSTRUCTION], text “to a minimum 92% of MDD” has been replaced by “in accordance with NCM D.02.01:2015 Chapter 7”

*Item No. 20101 and No 20101A descriptions have been change as follows in both the Technical Specification and in the Bill of Quantities:*

No.	Item
-----	------

20101	Load, place and compact in road embankment, incl haulage and benching of embankment slope for widen the existing road embankment (material from <b>cut to fill</b> ).
20101A	Provide <b>suitable material</b> for fill in embankment and access roads adjustments, incl haulage and compaction

#### 48. Question

Also in Chapter 201.03 it is mentioned “The selected fill materials for shoulder construction shall have less than 30% passing the 75 micron Sieve to BS410, shall have a Plasticity Index less than 8 and shall have a soaked CBR of not less than 15%, measured after a 4-day soak on a laboratory mix compacted to a dry density of 95% MDD and shall be compacted to 97% MDD.” In sub-clause 306.02 we can find: “the materials to be used in the reconstruction of shoulders shall be: Select fill, Select fill with PI <8 and CBR >25%.” Please clarify what is the requirement for the material for shoulders.

#### Answer:

Please refer to answer to Question 47.

#### 49. Question

Two separate sub-clauses of TS are describing works related to the shoulders: 201 Earthworks and 306 Removing, restoring and repairing the shoulders. There is no separate item for this type of works in BoQ. Please clarify if this type of works is included in any other item and what will be the basis for payment, also what is the requested quantity of shoulders.

#### Answer:

The following Items in the Bill of Quantities describe the works on the shoulders:  
New Item 30602,1 –Shoulder surfacing material Thickness 150 mm;  
Item 20103 - Select Fill to Shoulders (Shoulder fill).

#### 50. Question

Chapter 703.3 Construction of sidewalk is mentioned: New side- walk pavement consisting of macadam foundation and sand asphalt concrete mix surface for sidewalks should be carried out in accordance with Chapter 306 for the macadam base and Chapter 311 for the asphalt surface. Chapter 311 is missing from the Technical Specification. Please correct these references.

#### Answer:

Please refer to answer to Question 37.

#### 51. Question

Sub-Clause 014.03 of TS and 902 Geotextile. There are no references in BoQ and Drawings to be used. Chapter mentioned above are not applicable?

#### Answer:

The Technical Specification Chapter 014.03 [GEOTEXTILES] has been changed as follows:  
“Geotextiles shall be in accordance with Chapter 902.”

The Technical Specification Item No 20107 has been changed to Item 90202, Item No. 30507 has been revised to Item 90201 and Technical Specification item No. 50704 has been revised to Item 90202.

The Item descriptions in Technical Specification, Chapter 902.04 [ACCEPTANCE OF

WORKS] have been revised as follows:		
No.	Item	Unit of Measure
90201	Geocomposite Type 1 (SAMI)	Square meter
90202	Geotextile Type 1	Square meter
90203	Geotextile Type 2	Square meter
90204	Geocells	Square meter
90205	Polumat Mattress	Square meter
90206	Geogrid	Square meter

### 52. Question

Sub-Clause 305.17 Acceptance procedures we can find: „Bitumen supplied to the site shall be routinely tested for conformity with this Specification. For bitumen delivered in bulk, tests shall be conducted at 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 tones 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 substantially greater intensity.” Please specify the frequency of tests for bitumen delivered in trucks. Please define the meaning „substantially greater intensity”.

#### Answer:

For the avoidance of misunderstanding please note that “Trucks are equivalent to tankers and bitumen test shall be conducted at a minimum rate of one set of tests per tanker/truck load. Initially additional tests may be requested by the Engineer, if necessary”

### 53. Question

Sub-Clause 306.03 we can find “shoulders will be completed with a 150 mm layer of shoulder surfacing material or crushed lime-stone (M400), ...” in the Drawings, shoulders are indicated with crushed stone material. In BoQ Item 306.03 is missing. Please clarify if the chapter is or not applicable in the project.

#### Answer:

New Item 30602.1 has been added to the Bill of Quantities as follows :

Lot 1:

30602.1	Shoulder surfacing material Thickness 150 mm	Square Metre	121 590
---------	--	--------------	---------

Lot 2:

30602.1	Shoulder surfacing material Thickness 150 mm	Square Metre	122 450
---------	--	--------------	---------

### 54. Question

Chapter 205 planting of trees and shrubs or anywhere else in the Tender Documents there is no information about the exact species of trees to be planted. For different species prices are different. Chapters mentioned in BoQ as 205.1, 205.2 are not defined in Technical specification. Please clarify what tree species are the subject of planting and valid reference no. in technical specification.

#### Answer:

Please refer to answer to Question 34.

### 55. Question

Sub-Clause 305.07 Weather Conditions we can find:” to be extent practicable, the Engineer and the Contractor shall jointly agree a shutdown date and subsequently a start up date, for asphalt



laying operations such that operations are stopped for the whole of the winter period before any extensive periods of expected rain/snow and do not recommence before there is reasonable expectation of prolonged periods of suitable weather. In the absence of any agreement on the shutdown period the Engineer shall be entitled to order that asphalt shall not be laid during the period 15 October to 31 March.” Are there any other provisions related to laying of asphalt concrete courses than stated in Sub-Clause 305.07 in terms of weather conditions? Please clarify whether the agreed shutdown date can be later than 15th October or not. Please clarify whether the agreed start up date can be earlier than 31st March or not.

**Answer:**

The Technical Specifications Chapter 305.07 clearly states that “to the extent practicable, the Engineer and the Contractor shall jointly agree a shutdown date, and subsequently a start up date”, which of course depending on weather conditions, may differ from 15th October to 31st March.

**56. Question**

According to the provisions of Sub-Clause 006.03 of Technical Specifications, The Employer will have obtained prior approvals from the owner regarding diversions/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.” Generally this kind of risk is Employer’s risk. Please specify how these costs will be reimbursed to the contractor. Please specify if there are any utilities to be relocated.

**Answer:**

In accordance with the amended provisions of Sub-Clause 006.03 of Technical Specifications the Contractor is responsible for the Diversion of existing overhead or underground installation carrying live services (gas, water, electric power, telephone, etc.).

Payment for this work is covered in Bill of Quantities No. 800 as measured items to be priced by the Tenderer.

**57. Question**

There are two different solutions for the widening and reconstruction of the road in TS and in the Drawings. In Technical Specifications, Sub-Clause 303.05 we can find – sand, crushed limestone and crushed granite. In the Drawings – ballast, crushed stone – see typical cross sections Type III, and V. Please clarify what is the correct solution.

**Answer:**

Please refer to revised Drawing of Typical Cross Sections CST 1, CST 2 and CST 3.

**58. Question**

The chapter 302 in Technical Specification describes milling of the existing pavement: The milling of the existing asphalt pavement shall be measured in cubic meters at the depth as specified in the BoQ. In BoQ there is no information concerning depths: Asphalt Concrete Pavement Milling to any depth. Please define the correct depth of milling.

**Answer:**

Technical Specification Chapter 302.04 [ACCEPTANCE], Measurement, has been revised as follows:

*“The milling of the existing asphalt pavement shall be measured either in cubic meters to any depth or in square meters to depths as specified in the Bill of Quantities”.*

### 59. Question

TS chapter 805. Animal crossings – please define the place and position in drawings and BoQ.

**Answer:**

No animal crossings included for this project.

### 60. Question

In the items with the Spec. Ref. 40802 Rolls of reinforced waterproofing membrane 6 mm thick. In BoQ this type of works is included provide and apply 2x bituminous felt, reinforced with fiberglass mesh, as waterproof sealing of the superstructure, thickness 5mm, properly welded first and second layer. Please define what are the thicknesses and types of materials.

**Answer:**

In the Technical Specification Chapter 408.02 [MATERIALS] the text *“Rolls of reinforced waterproofing membrane 6 mm thick”* has been revised to *“Rolls of reinforced waterproofing membrane 5 mm thick.”*

### 61. Question

The description for Item No. 4.14 Spec. Ref. 30505 the thickness of the layer is 40 or 60 mm, but the drawings for the same reference the thickness is 100 mm. Please clarify what is the correct thickness.

**Answer:**

The correct thicknesses of the binder course are shown in the Drawings.  
Also please refer to answer to question No. 12.

### 62. Question

Longitudinal profile for lot 1 is missing. Please provide the missing design.

**Answer:**

Please refer to answer to Question No. 7.

### 63. Question

In the official announcement published INVITATION FOR TENDERS NO. RSP/2014/OT/W8/01-02 there are mentioned as main scope of work The main works will consist of: Rehabilitation of 12 bridges. In BoQ are mentioned as scope of work 12 bridges but in the drawings there are no details of bridges to be rehabilitated. Please provide the detailed execution drawings.

**Answer:**

Please refer to answer to Question No. 8.

### 64. Question

BoQ 100 – Preparatory Works – for temporary roads and signing there are no quantities and unit rates included. Please provide missing quantities and unit rates.

**Answer:**

Please refer to answer to Question No. 25.

### 65. Question

BoQ 000 – General requirements – Compliance with Environmental Management Plan requirements – there are no quantities and unit rates included. Please provide missing quantities and unit rates.

**Answer:**

Please refer to answer to Question No. 23.

**66. Question**

Chapter 103 – Demolition – include items not founded in BoQ. Please confirm that the missing items from Technical specification are not applicable.

**Answer:**

The works stipulated in Bill of Quantities Items 10303 and 10307, are applicable.

**67. Question**

Technical Specification item 20103 – Select fill to shoulders – item is missing from BoQ but mentioned in the typical cross sections. Please provide missing quantities.

**Answer:**

Please refer to answer to Question No. 26.

**68. Question**

Chapter 202 – The Execution of ditches – item missing from BoQ. Please provide the missing quantities.

**Answer:**

The volumes are included in the Bill of Quantities Item No 20102B “Excavate material in road area unsuitable material to any depth as directed by the Engineer and dispose in contractors dump site.”

**69. Question**

In BoQs for both lots there is an Item No. 102.03 *trees clearance*. Please inform us if you are in possession of permits for cutting the trees. If your answer is affirmative, please provide us with these documents.

**Answer:**

The required permits shall be provided to the Contractor after approval of Construction Drawings.

**70. Question**

General comment: Items in BoQ as Bill no. 200/the execution of ditches Bill no. 300/removing, restoring and repairing the shoulders, Bill 300/ Various asphalt works, Bridges/ Pile load tests, Bridges/ Dynamic and Static load tests on Bridges and so on appear as main chapter but without unit rates or quantity. Please define the unit rates and quantities.

**Answer:**

Please refer to the answer to question 27.

**71. Question**

Bill 200/ Planting of trees and shrubs – same item no but mentioned more types with cumulated quantity. Please define the quantity/ type.

**Answer:**

Please refer to answer to Question No. 34
---

**72. Question**

Drawing number CSD-01 Mattress with granular fill reinforced by geogrids:

1. please define the scope of works related in technical specification and position in BoQ.
2. Ballast characteristics are in accordance with standard SR 662-2002. Not only that the standard is not valid in Moldova, but is canceled also in Romania.
3. design norm NP-075-2002 is a design norm in Romania.
4. Date of issuing the design is from 05.2011.

Taking into account the mentioned above comments, please issue the update and valid drawing.

**Answer:**

In the Technical Specification Chapter 201.10 [CONSTRUCTION OF EMBANKMENTS] the following paragraph has been added:

“Construction procedures for reinforced embankments on soft foundations require special attention to the difficulties that can arise from site access, site clearance and fill placement. Improper fill placement can lead to geosynthetic damage, non-uniform settlements and embankment failure. Construction rate should be slow enough to ensure that there is enough dissipation of excess pore pressure. Reinforcement at the base of the embankment generally comprises a geogrid reinforcing element placed in a granular fill layer along with a geotextile separation layer at the interface of soft subsoil and the granular fill layer.”

and New payment item 20109 has been added as follows:

20109	Ballast granular fill	Cubic Metre
-------	-----------------------	-------------

In the Technical Specification Chapter 902.02 [MATERIALS] the following paragraph has been added:

“Embankment Reinforcement Geogrid

Characteristics	Values admissible
Ultimate tensile strength	min. 10 KN/m
Strain at break	<70%
Coefficient of cross permeability	1x 10 <sup>-2</sup> cm/s
Piercing with CBR	> 1000 N

New payment item 90206 has been added as follows:

90206	Geogrid	Square meter
-------	---------	--------------

New Items 20109 and 90206 have been added to the Bill of Quantities for Lot1 as follows:

20109	Ballast granular fill	Cubic Metre	2820
90206	Geogrid	Square Metre	14 400

Please also refer to revised Drawing CSD – 01 and CSD – 02. for Lot 1;

### 73. Question

Drawing number CSD-02-1:

- please define the scope of works related in technical specification and position in BoQ.
- Ballast characteristics are in accordance with standard SR 662-2002. Not only that the standard is not valid in Moldova, but is canceled also in Romania.
- design norm NP-075-2002 is a design norm in Romania.
- Date of issuing the design is from 05.2011.

Taking into account the mentioned above comments, please issue the update and valid drawing.

- type of concrete mentioned is not in accordance with reference standard mentioned in Technical Specification. Please mention the correct reference standard or the correct concrete type.

### Answer:

Please refer to the revised drawing CSD-02-1 and new Item No. 50901.1 for Lot 1 has been added to the Bill of Quantities as follows:

50901.1	Construction of transversal drains (slope)	Linear Metre	330
---------	--	--------------	-----

Please refer to the revised drawing CSD-01-1 and new Item No. 50901.1 for Lot 2 has been added to the Bill of Quantities as follows:

50901.1	Construction of transversal drains(slope)	Linear Metre	335
---------	---	--------------	-----

### 74. Question

Drawing no. CSD-02-2:

- please define the scope of works related in TS and position in BoQ
- Ballast characteristics are in accordance with standard SR 662-2002. Not only that the standard is not valid in Moldova, but is canceled also in Romania.
- design norm NP-075-2002 is a design norm in Romania.
- Date of issuing the design is from 05.2011.

Taking into account the mentioned above comments, please issue the update and valid drawing.

### Answer:

Please refer to the revised drawing CSD-02-2 for Lot 1 and to the revised drawing CSD-01-2 for Lot 2 and also to Answer to Question 73.

### 75. Question

Drawing no. CSD-03:

- please define the scope of works related in TS and position in BoQ
- Ballast characteristics are in accordance with standard SR 662-2002. Not only that the standard is not valid in Moldova, but is canceled also in Romania.
- Crushed stone must fulfill the requirements of SR 667-2001, STAS 5089-1971, STAS-2917-1979. Not only that the standard is not valid in Moldova, but is canceled also in Romania.
- design norm NP-075-2002 is a design norm in Romania.
- Date of issuing the design is from 05.2011.
- Porous asphalt mixture must be used but in TS is mentioned that Chapter 305.03 at General Requirements is mentioned that: Asphalt will be produced in various types

according to the job requirements and shall be either fine grained dense or coarse grained dense. Porous mixes are not accepted for the works.  
Taking into account the mentioned above comments, please issue the update and valid drawing.

**Answer:**

The works are covered by Technical Specifications CHAPTER 506 [PROTECTION WORK] and new item 50602B was added to the Bill of Quantities for Lot 1 as follows:

50602B	Rip-rap on culvert in- and outlets with stones 1000mm < D50< 1500mmm	Square Metre	924
--------	--	--------------	-----

Please also refer to the revised drawing CSD-03.

**76. Question**

Drawing no. CSD-04-11:

- Please define the scope of works related in TS and position in BoQ.
- norm CP-012 is a design norm in Romania.
- Date of issuing the design is from 05.2011.
- Type of concrete mentioned is not in accordance with reference standard mentioned in TS. Please mention the correct reference standard or the correct concrete type.

Taking into account the mentioned above comments, please issue the update and valid drawing.

**Answer:**

The works are covered by Technical Specifications CHAPTER 604 [RETAINING WALL] and new items 60401, 60401.1, 60401.2, 60401.3 and 60401.4 have been added to the Bill of Quantities as follows:  
for Lot 1:

60401	Construct retaining wall in reinforced concrete.	Cubic Metre	
60401.1	Construct retaining wall in reinforced concrete, h=1,0m.	Cubic Metre	344
60401.2	Construct retaining wall in reinforced concrete,h=2,0m.	Cubic Metre	861
60401.3	Construct retaining wall in reinforced concrete,h=3,0m.	Cubic Metre	1560
60401.4	Construct retaining wall in reinforced concrete,h=5,0m.	Cubic Metre	860
40303A	Piles foundation Cast-in-situ Bored Piles for Abutments, diameter 1.08 m, length up to 15 m, , including drilling of borehole and piping, structural steel as spacer rings and pile point bracing, concrete class B25, reinforcement steel, disposal of drill cuttings and earthy material, and all ancillary works and materials.	Linear meter	825

40303B	Piles foundation Cast-in-situ Bored Piles for Abutments, diameter 1.08 m, length up to 12 m, , including drilling of borehole and piping, structural steel as spacer rings and pile point bracing, concrete class B25, reinforcement steel, disposal of drill cuttings and earthy material, and all ancillary works and material.	Linear meter	625
60402	Gravel drain behind structures	Linear Metre	1360
60403	Pipe drain behind structures	Linear Metre	180

for Lot 2:

60401	Construct retaining wall in reinforced concrete.		
60401.1	Construct retaining wall in reinforced concrete,h=1,0m.	Cubic Metre	580
60401.2	Construct retaining wall in reinforced concrete,h=2,0m.	Cubic Metre	1035
60401.3	Construct retaining wall in reinforced concrete,h=3,0m.	Cubic Metre	332
60402	Gravel drain behind structures	Linear Metre	1000
60403	Pipe drain behind structures	Linear Metre	129

Please also refer to revised Drawings CSD-04 to CSD-11 for Lot 1 and to revised Drawings CSD-03 to CSD-05 for Lot 2.

### 77. Question

General: the reference standards list is not updated in accordance with TS or Drawings. Please revise the list

**Answer:**

Please refer to Technical Specifications, APPENDIX TO GENERAL REQUIREMENTS SPECIFICATIONS, LIST OF STANDARDS INCORPORATED BY REFERENCE, No. 92, reference to GOST 22733-2002 has been revised to SM GOST 22733 – 2009 and Nos. 177, 178 and 179 have been added as follows:

177	CP.D.02.12 – 2014	Guidelines for rehabilitation of pavement and foundations with cold recycling method
		Recomandari metodice pentru reabilitarea imbracamintilor rutiere si fundatiilor prin metoda de reciclare la rece
178	CP.D.02.17 – 2012	Strengthening road shoulders
		Cosolidarea acostamentelor drumurilor
179	NCM D.02.01:2015	Principles of design. Public road design
		Principii de proiectare. Proiectarea drumurilor publice

### 78. Question

For the bridges there are no detailed drawings so not clear checking can be performed. Please submit the complete set of drawings.



**Answer:**

Please refer to Answer to Question No. 8

**79. Question**

In BoQ there are no expansion joints included. Please clarify.

**Answer:**

The expansion joints for Bridge at km 0+113 are shown in the Bill of Quantities for Lot 1, Bill No. Bridge R34-1N-B, Item No. 40701.

The expansion joints for Bridge at km 69+565 are shown in the Bill of Quantities for Lot 2, Bill No. Bridge R34-18-B, Item No. 40701.

On other bridges no expansion joints are foreseen.

**80. Question**

In the specification of item 304.04 (page 85) in the table prime coat and tack coat are showing separately but in BOQ there is only prime coat. We will apply tack coat or not on the site?

**Answer:**

Please refer to Technical Specification Chapter 304.07.[WORKS ACCEPTANCE] which states that *“Tack coat will only be measured for payment where it is applied to the original asphalt surface immediately prior to the laying of the regulating layer or new asphalt. Tack coat to the subsequent surfaces of the regulating layer, the binder and of any intermediate layers which may be required to make up the required thickness shall not be measured for payment but will be considered an integral part of the asphalt laying process and the cost of such tack coating will be deemed to be included in the rates quoted for the laying of asphalt concrete.”*

**81. Question**

In the base coarse of crushed stone lay, the type of the aggregate material is unclear( which of M400, M600,M800,M1200? )and also in the shoulder is not clear.

**Answer:**

Please refer to revised Drawings of Typical Cross Section SCT 1, SCT 2 and SCT 3.

**82. Question**

In Specifications of 30303 unit of the base course of crushed stone is square meter but in the BOQ 30303.2 base course crushed stone unit is m3(cubic meter). Which one is correct square meter or cubic meter?

**Answer:**

Please refer to Answer to Question No. 15

**83. Question**

In culvert location earth natural levels are not written, so that we can not calculate excavation for culverts .

**Answer:**

Please refer to the Drawings for Longitudinal Profiles and Characteristic Cross Sections Drawings.

**84. Question**

In project culvert 4+865, in drawing shows 3Π36 but in the list its 3Π35.

**Answer:**

Please refer to revised Drawing No. SD-021-1.
---

**85. Question**

In the culvert list some culverts have dissipator but we don't know which have exactly (for example in the drawing of 54+109, 63+290, 73+554 there are inlet sum construction but 3 of them has dissipator?)

**Answer:**

<p>Please refer to Drawings No. SD 017-1 and No. SD 017-2.</p> <p>For each culvert plans and sections are shown on Sheet 1 and the table of parameters (including location and levels) is shown on Sheet 2.</p> <p>For example: for culverts at locations 54+109, 63+290 and 73+554 the plans and sections are shown in the Drawing SD 017 Sheet 1, (there are no dissipators at these locations), and Drawing No. SD 017 sheet 2 provides parameters including location and levels.</p>
--

**86. Question**

In Lot-1 BOQ "Construction of culvert inlets and outlets in concrete to pipe culverts" Ø1500 culvert is missing. (In the drawings there are Ø1500 pipe culverts).

**Answer:**

New Item 50103.8 has been added in the Bill of Quantities as follows:			
50103.8	to Pipe culverts Ø 1500	Number	4

**87. Question**

Lot-2 in the BOQ there are Ø1000 culvert but the in the project there are no drawings for Ø1000.

**Answer:**

Please refer to drawings Nos. SD 011-1, SD 011-2, SD 012-1, SD 012-2, SD 013-1 and SD 013-2.
--

**88. Question**

Lot-2 in the BOQ there are Ø1200 culvert but in the drawings there are no Ø1200 pipe .

**Answer:**

There are no new Ø1200 culverts in the Project; Item 50103.6 in the Bill of Quantities is inlet and outlet to an existing Ø1200 culvert.
--

**89. Question**

Lot-2 in the BOQ there are Ø1500 pipe culvert's inlet and outlet quantity is missing.

**Answer:**

New Items 50103.8 has been added in the Bill of Quantities as follows:			
50103.8	to Pipe culverts Ø 1500	Number	2

**90. Question**

How will show specific experience average annual production and laying asphalt concrete over the last five years which is In Qualification criteria 2.4.2 In table of 2.4.2a is for just one project, how we will put 3 project's average in this table?

**Answer:**

Please refer to answer to questions 3 and 5.
--

### 91. Question

In lot1 and lot2 in bill 600 there is pipe culvert 600. There box culverts length 1548 and 1056. In the Project there is no pipe culvert 600 and we think the quantity of these pipe culvert length are wrong please inform us.

#### Answer:

Pipe culverts d600 are envisaged to be placed at the intersections with secondary roads as indicated on the drawings SD-005 for Lot 1 and SD-004 for Lot 2.

Please refer to New Drawings for Lot 1, No. LD- 18 and LD-19 and to New Drawings for Lot 2, No. SD-23 and SD-24.

### 92. Question

Please clarify, in BOQ there is pipe culvert 600mm and 800 mm but in the drawings there is no pipe culvert 600mm and 800 mm.

#### Answer:

There are no 800 mm in the Project. Please also refer to answer to questions 91.

### 93. Question

Ref. Tender documents-Part 1 Tendering procedures-Section III: Evaluation and qualification criteria, Art. 2.4.2.C SPECIFIC EXPERIENCE FOR “COLD RECYCLING OF ASPHALT PAVEMENT”.

Whereas this activity is specific for rehabilitation works and in order to limit participation only to contractors who have worked in the last 3 years in rehabilitation projects, thus excluding contractors that carried out work of other type like the construction new roads and highways, we ask you if the activity of stabilization of natural soils or embankments with a hydraulic binders, activities that are carried out in a similar fashion to the recycling and with the same type of equipment, may be accepted as specific experience.

#### Answer:

Stabilization of natural soils or embankments is not accepted as fulfilling the Tender Documents' requirements for “cold recycling of asphalt pavement”. Tenderers could consider JVCA arrangements with suitably qualified partners.

### 94. Question

In case of the participation in the procedure for both contracts, tenders for Lot 1 and Lot 2 will be presented together or separately?

#### Answer:

Tenderers may either submit separate Tenders for each of Lot 1 and Lot 2, or a single Tender for both Lot 1 and Lot 2:

A single Tender for both Lot 1 and Lot 2 should comprise:

- (a) Documentation common to both Lots:
  - Letter of Tender indicating the price for Lot 1 and the price for Lot 2 and discount, if any, offered for the award of more than one Lot.
  - Contract Data
  - Power of Attorney
  - Completed Schedule of Supplementary Information, Attachment 2 Tenderers - Qualifications,

- Completed Schedule of Supplementary Information, Attachment 3 - Other Information
- (b) The Tender Security which may be provided for each Lot separately or as one guarantee for both Lots
- (d) Lot specific documentation for each of Lot 1 and Lot 2 separately:
- Priced Bill of Quantities
  - Completed Schedule of Supplementary Information, Attachment 1 - Preliminary Programme.

### 95. Question

In **Section III Evaluation and Qualification Criteria 2.4.2 Specific experience** to cover the minimum requirements for Lot 1 and Lot 2 requires the completion of 2 projects with a value of each 45 million Euros or an alternative - two projects worth 20 million Euros plus 2 projects worth 25 million Euro. Upon submission of the tender documents for the two lots in two separate envelopes, will it be acceptable for the Contracting Authority the following presentation of the required information in the form EXP-1 EXP-2 (a) and (b):

- For Lot 1: Presence of one completed project of 45 million Euro or 2 completed projects of 25 million Euro;
- Lot 2: Presence of 1 completed project of 45 million Euro or 2 completed projects of 20 million Euro.

### Answer:

There is no change to the Tender Documents

### 96. Question

In reference of the Quantity Bill – “Bill No 900 Schedule of Daywork Rates” – Labour – Lot 1 SECTION km 0+00 – km 42+200 and Lot 2 SECTION km 42+200 – km 83+00, the number of article 9.9L repeats itself, and the article description differs. Please specify the correct code for the two description:

- 9.9 L Assistant Mechanic
- 9.9L Skilled Labour

### Answer:

The second Item 9.9L in Bill No. 900 has been revised to 9.10L.

### 97. Question

In reference of the Quantity Bill – “Bill No 900 Schedule of Daywork Rates” – Materials – Lot 1 SECTION km 0+00 – km 42+200 and Lot 2 SECTION km 42+200 – km 83+00, the number of article 9.9M repeats itself, and the article description differs. Please specify the correct code for the two description:

- 9.9 M Reinforcing Steel (High Yield)
- 9.9M Formwork

### Answer:

The second Item 9.9M in Bill No. 900 has been revised to 9.10M.

### 98. Question

In reference of the Quantity Bill – “Bill No 900 Schedule of Daywork Rates” – Equipment – Lot 1 SECTION km 0+00 – km 42+200 and Lot 2 SECTION km 42+200 – km 83+00, the number of article 9.9E repeats itself, and the article description differs. Please specify the correct code for the two description:

- 9.9 E Water Bowser 10 tons

- 9.9E Concrete Mixers (500l)

**Answer:**

The second Item 9.9E in Bill No. 900 has been revised to 9.10E.

**99. Question**

In reference of the Quantity Bill – “Bill No 000 General Requirements” – Lot 1 SECTION km 0+00 – km 42+200, article “00402 Maintain contract office”, which uses “Month” as measurement unit, the quantity is 1. Please specify if the quantity is correct, considering that the term of execution is of 24 months.

**Answer:**

Please refer to answer to Question No. 10

**100. Question**

Which information a Bidder has to submit concerning the proposed suppliers of aggregate and other major materials.

**Answer:**

The tenderer is required to provide all information necessary for manufacturers and subcontractors proposed in its Tender for identified major items to enable their evaluation in accordance with Tender Documents, Part 1 [Instruction to Tenderers], Paragraph 32.4.

**101. Question**

Regarding the specific experience requirement mentioned in the TDS, Section III: Evaluation and Qualification Criteria, 2.4.2 Specific Experience b) A. Average annual production and laying asphalt concrete over last five years at a rate not less than: 75,000 tonnes/year for lot 1 and 52,000 tons/year for lot 2.

Could you confirm that the indicated amount refers to the final average of the 5 years?

**Answer:**

Please refer to the answer to Question 5

**102. Question**

Regarding the specific experience requirement mentioned in the TDS, Section III: Evaluation and Qualification Criteria, 2.4.2 Specific Experience b) B Production and laying asphalt concrete on a single contract executed within the last three years at a rate not less than 90,000 tonnes/year for lot 1 and 65,000 tones/year for lot 2.

Could you confirm that the indicated amount refers to the final average of the 3 years?

**Answer:**

Please refer to the answer to Question 3

**103. Question**

*Lot 1, BOQ, Bill No. 000, GENERAL REQUIREMENTS* – regarding the item:

00402	Maintain contract office	Month	1
-------	--------------------------	-------	---

**Answer:**

Please refer to answer to Question No. 10

**104. Question**

*Lot 1&Lot 2, Tender Documents, R34\_Lot 1 & Lot 2 \_Part 2 Requirements\_EMP\_Lot1Ver\_3 (pag9)* – it is mentioned that “Sustainable borrow areas are indicated in the Geotechnical Report (Appendix VI)”.

Could you please indicate where this document can be found within the Tender Documents or in case it is not included, could you please provide the above mentioned document?

**Answer:**

Please refer to the answer to Question 1

**105. Question**

*Lot 1&Lot 2, Tender Documents, Drawings* – we couldn’t find the design for bridges; could you please provide the drawings corresponding to the bridges.

**Answer:**

Please refer to the answer to Question 8

**106. Question**

*Lot 1&Lot 2, Tender Documents, Drawings* – On page 10, for each lot, at Typical Cross Section No. 4 is it mentioned that the second layer from the bottom is “Poor concrete h-0.22”. Please clarify if this layer is equivalent to cement-stabilized base from Bill 300 of the Bill of Quantities.

**Answer:**

The ‘*poor concrete*’ on CST-2 drawing refers to cement stabilized base. Bill of Quantities for Lot 1, Item No. 30802,6 has been replaced by Item No. 30801.1 as follows:

30801.1	Cement-stabilized base (poor concrete). Thickness 230 mm	Square Metre	6395
---------	---	--------------	------

Bill of Quantities for Lot 2, Item No. 30802,6 has been replaced by Item No. 30801.1 as follows:

30801.1	Cement-stabilized base (poor concrete). Thickness 230 mm	Square Metre	6522
---------	---	--------------	------

**107. Question**

*Lot 1&Lot 2, Tender Documents, R34\_Lot 1 & Lot 2\_Part 2Requirements\_Technical Specifications\_Ver\_4, CHAPTER 308. CEMENT-STABILIZED BASE WORKS, Measurements (page 101)*- it is mentioned that the volume of work it is measured in square meters or tons but in the BOQ for Lot.2, for item 30802 “Cement-stabilized base, Thickness 230 mm”, the unit measure is Cubic Meter.

Could you please confirm that the unit measure is correct?

**Answer:**

Please refer to answer to Question 106

**108. Question**

*Lot 1, BOQ, Bil No. 600, INCIDENTAL CONSTRUCTION* – regarding the item.

30503	Binder course of asphalt concrete M1 – Thickness 60 mm Beton asfaltic poros M1 H=60mm	Square Meter	591
-------	--	--------------	-----

Could you please clarify if the unit of measure is correct?

**Answer:**

Please refer to answer to Question 12.

#### 109. Question

In *R34 Lot 1 & Lot 2 Part 2 Requirements Technical Specifications\_Ver\_4*, at page — 86 — chapter 30S.04 it is mentioned that the mixing equipment shall be of batch mix type and shall have a rated output capacity of at least 120 t/h. According to equipment requirements, *R34 Lot 1 Lot 2 Part 1 and Part 3 Tendering Procedures & Contract Forms\_Ver\_4*, Part 1-Section III, page 26, the mixing equipment should have an output capacity of at least 240 t/h.

Please clarify which minimum output capacity should be taken into consideration in order to fulfill the requirements from both documents mentioned above.

**Answer:**

For Lot 1 capacity of required mixing plant is 120 t/h, for Lot 2 capacity of required mixing plant is 120 t/h, and for combined Lot 1 and Lot 2 the capacity of required mixing plant is 240 t/h.

#### 110. Question

*Lot 1, Tender Documents, Drawings* - from page 78 to 94, are included the following:

- CSD-01\_Matress with granular fill reinforced by geogrids;
- CSD-02-01 & CSD-02-02 Surface drainage of slopes in cuttings;
- CSD-03\_S!lope protection with rock fill;
- CSD-04 Reinforced concrete retaining structurefor cutting H=1.00 m;
- CSD-05\_Reinforccd concrete retaining structurefor cutting H=2.00 m;
- CSD-06\_Rein forced concrete retaining structurefor cutting H=3.00 m;
- CSD-07\_Reinforced concrete retaining structure for embankment H=1.00 m;
- CSD-08 Reinforced concrete retaining structurefor embankment H=2.00 m;
- CSD-09\_Reinforced concrete retaining structurefor embankment H=3.00 m;
- CSD-10\_Retaining wall for embankment from reinforced concrete with indirect foundation -Shuttering plan H=5.00m;
- CSD-1Retaining wall for embankment from reinforced concrete with indirect foundation - Reinforcement plan;
- CSD-12-1Columns reinforcement Ø 1080 mm L— 15.00 m;
- CSD-12-2\_ Device for ultrasonic checking and injection;
- CSD-13 Retaining wall for embankment from reinforced concrete with indirect foundation - Shuttering plan H=3.00m;
- CSD-14 Retaining wall for embankment from reinforced concrete with indirect foundation - Reinforcement plan;
- CSD-15\_Columns reinforcement Ø 1080 mm L= 12,00 m;

Please clarify if these plans are applicable to the project, and if they are, please correct the BoQ and include the missing items for Landslide Remedial Works.

**Answer:**

Please refer to the Answer to Question 72 for Matress with granular fill reinforced by geogrids;  
Please refer to the Answer to Question 73 and 74 for surface drainage of slopes in cuttings;  
Please refer to the Answer to Question 75 for Slope protection with rock fill;

With reference to:

- CSD-04 Reinforced concrete retaining structurefor cutting H=1.00 m;
- CSD-05\_Reinforccd concrete retaining structurefor cutting H=2.00 m;
- CSD-06\_Rein forced concrete retaining structurefor cutting H=3.00 m;



- CSD-07\_Reinforced concrete retaining structure for embankment H=1.00 m;
- CSD-08 Reinforced concrete retaining structure for embankment H=2.00 m;
- CSD-09\_Reinforced concrete retaining structure for embankment H=3.00 m;
- CSD-10\_Retaining wall for embankment from reinforced concrete with indirect foundation - Shuttering plan H=5.00m;
- CSD-11 Retaining wall for embankment from reinforced concrete with indirect foundation - Reinforcement plan;
- CSD-12-1 Columns reinforcement Ø 1080 mm L= 15.00 m;
- CSD-12-2 Device for ultrasonic checking and injection;
- CSD-13 Retaining wall for embankment from reinforced concrete with indirect foundation - Shuttering plan H=3.00m;
- CSD-14 Retaining wall for embankment from reinforced concrete with indirect foundation - Reinforcement plan;
- CSD-15\_Columns reinforcement Ø 1080 mm L= 12,00 m;

please refer to the answer to question 76

### 111. Question

Regarding the tenders mentioned above, Section III: Evaluation and Qualification Criteria, 2.4.2 Specific Experience:

Lot 1

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:

B. Production and laying asphalt concrete on a single contract executed within the last three (3) years at a rate not less than 90,000 tons/year.

Could you please be so kind and confirm that the specific experience requirement is considered fulfilled if the TENDERER has executed a contract within the last three (3) years, where in one single year the production and laying asphalt concrete is not less than 90,000 tons?

C. Cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than 170,000 tonnes/year.

Could you please confirm that mentioned specific experience requirement is considered fulfilled if the tenderer has executed a contract within the last three (3) years where in one single year the cold recycling of asphalt pavement is not less than 170,000 tons?

**Answer:**

Please refer to the answer to Question 3

### 112. Question

Regarding the tenders mentioned above, Section III: Evaluation and Qualification Criteria, 2.4.2 Specific Experience,

According to the tender documentation the experience has to be executed within the last five (5) or three (3) years. In order to prove the experience, could you please confirm that is valid to consider the proved executed works during 2015?

**Answer:**

Please refer to Part 1 - Section III: Evaluation and Qualification Criteria, which clearly states "For the purpose of this Tender Process the last 5 (five) years shall mean the years 2010 to 2014 inclusive and the last 3 (three) years shall mean the years 2012, 2013 and 2014".

### 113. Question

Lot 1 & Lot 2, Tender Documents, BoQ, Bill No. 200, EARTHWORKS - we couldn't find the article and quantities for "Select fill to shoulders (shoulder fill)".

Please clarify where in the Bill of Quantities are included the quantities for construction of

shoulders.

**Answer:**

Please refer to answer to question 26

**114. Question**

*Lot 1, tender Documents, Bill No. 300, PAVEMENT - regarding item:*

30508	Binder course of asphalt concrete M1 – Thickness 60 mm	Tonnes	87 165
-------	--	--------	--------

Considering that Lot.1 and Lot. are having more or less the same length and the same cross sections, and according to our measurements, we are estimating that the quantity of binder should be approx. 55,000,00 tonnes.

Could you please clarify if the quantity from the BoQ is correct?

**Answer:**

Please refer to the answer to Question 12

**115. Question**

*Lot 1, Tender Documents, Drawings, CST -3, page 9 - the table “Type of cross section” it’s ending at km 29+740. Considering that the lot is finishing at km 42+200, could you please publish the complete table?*

**Answer:**

Please refer to revised Drawings CST-3.

**116. Question**

*Lot 2, Tender Documents, Drawings, CST -3, page 11 - in the table “Type of cross section” are being mentioned typical cross section No. 9, 10, 11 and 12 which we couldn’t find in the drawings.*

Could you please publish the missing drawings?

**Answer:**

Please refer to revised Drawings CST-3.

**117. Question**

*. Lot 1, Tender Documents, BOQ, Bill No. 100, PREPARATORY WORKS - regarding items:*

10201	Site Clearance including brush, underground and vegetation	Hectare	1.86
10202	Removal of topsoil - stripping, loaded, transported and stockpiled for re-use	Cubic Metre	3 960

Considering that Lot. 1 is having total length of 42, 2 km the above mentioned item are having very small quantities. Could you please confirm that these quantities are correct?

**Answer:**

The quantities are correct.

**118. Question**

*Lot 2, Tender Documents, BOQ, Bill No. 100, PREPARATORY WORKS - regarding items:*

10201	Site Clearance including brush, underground and vegetation	Hectare	1.3
10202	Removal of topsoil - stripping, loaded, transported and stockpiled for reuse	Cubic Metre	1 150

Considering that Lot. 1 is having total length of 40, 8 km the above mentioned item are having very small quantities. Could you please confirm that these quantities are correct?

**Answer:**

The quantities are correct.

**119. Question**

*Lot 1, Tender Documents, BOQ, Bill No. 200, EARTHWORKS - regarding items:*

20401	Loading of stockpiled topsoil, spread on embankment slopes of min 150 mm thickness, light compaction	Cubic Metre	23 960
20402	Provide top soil, spread on embankment slopes and road sides of min 150 mm thickness, light compaction	Cubic Metre	23 960

The above mentioned items are having the same quantity and the articles descriptions are very similar one to the other. Could you please confirm that these quantities are correct and if both articles are necessary to be priced?

**Answer:**

Both Items should be priced and quantities for Items No. 20401 and 20402 have been revised as follows:

20401	Loading of stockpiled topsoil. spread on embankment slopes of min 150 mm thickness. light compaction	Cubic Metre	3 960
20402	Provide top soil. spread on embankment slopes and road sides of min 150 mm thickness. light compaction	Cubic Metre	20 000

**120. Question**

*Lot 2, Tender Documents, BOQ, Bill No. 200, EARTHWORKS - regarding items:*

20401	Loading of stockpiled topsoil, spread on embankment slopes of min 150 mm thickness, light compaction	Cubic Metre	12 850
20402	Provide top soil, spread on embankment slopes and road sides of min 150 mm thickness, light compaction	Cubic Metre	12 850

The above mentioned items are having the same quantity and the articles descriptions are very similar one to the other. Could you please confirm that these quantities are correct and if both articles are necessary to be priced?

**Answer:**

Both Items should be priced and quantities for Items No. 20401 and 20402 have been revised as follows:

20401	Loading of stockpiled topsoil. spread on embankment slopes of min 150 mm thickness. light compaction	Cubic Metre	1 150
-------	--	-------------	-------

20402	Provide top soil. spread on embankment slopes and road sides of min 150 mm thickness. light compaction	Cubic Metre	11 700
-------	--	----------------	--------