



**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 the Contract

RSPSP/W6/05:

Rehabilitation of R6 M1-Ialoveni Road, km 0+000-km 6+550”

Designer Part

ref: Tendering No. RSP/2013/OT/W6/05

Issued on 31 January, 2015



Part 1 – R6 : Requests for Clarification - Design

Question 1

In the Tender Documents, Part 1, Section III in the list of equipment we can find Cold in-place recycling machine, up to 250 mm depth, minimum output 400 tonnes / hour. Also the specific experience of cold in-place recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than 12.000 tonnes / year has to be demonstrated. Also in the Scope of Works we can find the information: “Cold in-place recycling of the asphalt concrete pavement at a depth of 100-200 mm mixing in of new aggregates and stabilization with cement is to be carried out.” Nowhere in the Technical Specifications and Bills of Quantities is specified the type of cold recycling: in-situ or in-plant. This provision clearly indicates the type of cold recycling as in-situ. Please specify what type of technology for cold recycling has to be used by the Contractor.

Answer 1

The description of the works implies that in-place cold recycling should be used to minimize material transport. However, referring to Clause 301.06, *‘the preparation of the Milling, mixture may be carried out simultaneously with the milling operation or separately, depending on the equipment and method statement as proposed by the Contractor’*, the Contractor may propose in- place or in-plant cold recycling for approval by the Engineer within his Method Statement.

Tender Documents, Part 1, Section III in the list of equipment the requirement for cold recycling machine has been revised to allow for the Contractor’s choice of in-place or plant asphalt recycling.

Also the specific requirement has been changed to experience of *“cold recycling of asphalt pavement on a single contract executed within the last three (3) years at a rate not less than 12.000 tonnes / year has to be demonstrated”*.

Tender Documents, Part 3, Section VI, the Scope of Works has been changed to: *“Cold recycling of the asphalt concrete pavement at a depth of 100-200 mm milling, mixing in of new aggregates and stabilization with cement is to be carried out”*.

Question 2

In different chapters of Technical Specifications there are references to the documents not included in a “List of standards incorporated by reference” from Appendix to general requirements specifications (pages 35-41 of Technical Specifications). Please clarify if such standards will be also applicable.

Answer 2

All standards are applicable which are referenced in the Technical Specification.

Question 3

Road marking and signing presented in the Tender Documents does not conform to local standards in force. Do you plan any amendments to the TD in this regard?

Answer 3:

The Standard SM GOST R52289:2009 referenced in the Technical Specification Clause 701.03 is in force in Republic of Moldova. No amendments have been applied to the Tender Documents in regard of road marking and signing.

Question 4

In the Drawings we can find locations where the drain pipe has to be placed under the existing road structure, but we cannot find in the Drawings the detail describing the solution for



reconstruction of the road structure demolished in order to perform the excavation. We draw your attention to the fact that it is the potential place of damages due to different load capacity of the road structure. Please provide us with such detailed drawings/solutions.

Answer 4:

Please refer to drawings Nos. SD-33-2-1 and SD -33-2-2 and also please refer to Technical Specification Chapter 501 [CULVERTS AND DRAINAGE FACILITIES] and Bill of Quantities Item No. 50105.1 for construction of new pipe culvert Ø 400.

Question 5

In the drawings CLS-01, CLS-02, CLS-03 and CLS-04 in detail B you refer to the Table 2 – “Stone thickness see table 2”. In the same drawings we cannot find Table 2. There is only Table 3: Stone thickness. Please clarify whether it is an obvious mistake and the reference should be to Table 3.

Answer 5:

This is a typing mistake; reference should be made to Table 3 and drawings CLS-01, CLS-02, CLS-03 and CLS-04 have been revised accordingly.

Question 6

In the drawings CLS-01, CLS-02, CLS-03 and CLS-04 in details you use different types of hatching. Please include in the drawings the legend explaining the meaning of hatching.

Answer 6:

The hatching is used for a better differentiation of the pavement/road elements and the designation of these elements have been labelled and dimensioned on revised drawings CLS-01, CLS-02, CLS-03 and CLS-04.

Question 7

In Bill No. 500 we can find an item 50901 Construction of transversal drains. Please clarify if the solution for this item is presented in the Drawing No. SD-29 Transversal drain.

Answer 7:

Drawing No. SD-29 refers to Transversal Drain without pipe for which description has been added in Technical Specifications Item No. 50901.1 and Bill item No. 50901.1 has been added. The unit of measurement for Item No.50901.1 has also been defined as Linear Meter in Technical Specification.

Question 8

In the drawings No. SD-33-1, SD-33-2-1, SD-33-2-2 (two drawings with the same title) and SD-33-3 you present the system of storm water discharge from inner lane. Please indicate the corresponding items in Bills of Quantities for this type of works.

Answer 8:

Drawing SD-33-2-1 refers to “storm water drainage from carriageway Type 1” and Drawing SD-33-2-2 refers to “storm water drainage from carriageway Type 2”.
For the payment for corresponding works please refer to Bill of Quantities item No. 50105.1

Question 9

In Tender Documents we can find different requirements / descriptions for concrete compressive strength. Please harmonize the requirements and please specify one standard applicable for the Contract.

Answer 9:

The standards and strength requirements stated in the Technical Specification shall apply.



Question 10

In typical cross section Type 1 there is presented barrier type New Jersey. The item is missing in Bills of Quantities. The thickness of the concrete foundation in Detail E is missing. Please make the appropriate corrections in the Tender Documents.

Answer 10:

Items No. 60203 and 60204 have been added to the Technical Specification and to Bill No. 600 for permanent and dismountable New Jersey barriers.
Quantities for Bill No. 600 Item No. 60202 are no longer required and have been deleted from the Bill of Quantities.

Question 11

After analysing the published tender documentation we noticed, that the geotechnical report is missing. Please make available this document as a part of Tender Documents.

Answer 11:

The geotechnical report is not part of the Tender Documents, but can be inspected at the State Road Administration web-site :
http://files.asd.md/ProcurementW6/WorksW6/Raport_geotehnic_R6.pdf

Question 12

Chapter 101.03 describes also the procedure of preparing and approval of Construction Drawings as follows:

A comprehensive condition survey of all of the existing elements of the highway shall be jointly carried out by the Engineer, the Designer's Representative and the Contractor. The Contractor shall prepare strip plans to clearly differentiate between defects, if any, included for by the designs and requirement, if any, for additional works.

The Contractor shall prepare Draft Construction Drawings in accordance with Subsection 006.02 based upon and in fulfilment of the intentions of the design implicit in the contract drawings, including any necessary corrections for identified defects, in sufficient detail to Road Sector allow the works to be constructed and measured accordingly and to minimise the estimated Cost of the works to be executed.

During the preparation of the Draft Construction Drawings any necessary design safety improvement measures and/or traffic calming measures as may be agreed by the Employer shall be incorporated into the construction drawings.

The Contractor shall submit his Proposal for construction (in accordance with the Draft Construction Drawings and any necessary agreed safety measures), with a detailed quantity and cost analysis and a programme for execution within the Time for Completion.

The Engineer shall review the conformity of the Contractor's Proposal together with the review of the Designer's Representative, require corrections as necessary and, when he determines the Proposal to be technically and financially acceptable, forward the submission to the Employer for approval as a Variation and (subject to the approval of the Employer), issue the Variation to the Contractor as 'Approved for Construction'.

Following the completion of the review/approval process the Contractor shall prepare the Final Construction Drawings.

What are the deadlines for Engineer's / Designer's review of Draft Construction Drawings presented by the Contractor? What is the deadline for submission by the Engineer to the Employer of these reviewed Drawings? Please clarify the above.



Answer 12:

Technical Specification Chapter No. 101.03[WORKS DESCRIPTION] has been revised in order to allow 14 days for the review and approval of Construction Drawings by the Engineer.

Question 13

Chapter 305.03 at general requirement 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.

In Bill No. 300 Pavement there are items under this chapter named: binder course of asphalt concrete M1, wearing course of asphalt concrete from asphalt concrete Type V M III, binder course of asphalt concrete M II, wearing course of asphalt concrete Type B M III.

In Technical Specifications we can also find references to the Stone Mastic Asphalt (SMA) but no reference is made in the drawings and BoQ.

Please clarify the exact types of asphalt mixtures to be used.

Answer 13:

The exact types of asphalt mixtures to be used are as follows:

A) Stone mastic asphalt shall be used in the main carriageway as wearing course (Bill item 30504).

B) Dense asphalt shall be used in the main carriageway as binder course (Bill items 30505.1 and 30505.2)

The Technical Specifications Chapter 305 [ASPHALT CONCRETE FOR PAVEMENTS] the drawings (Nos. CLS-01, CLS-02, CLS-03 and CLS-04), and Bill No.300 [PAVEMENT] have been revised accordingly.

Question 14

Sub-Clause 503.02 requests for a minimum compressive strength of 25 N/mm². On the drawings we can find the class of the concrete B20. These requirements are from two different standards. Please specify the requirement for concrete to be used to build paved waterways.

Answer 14:

Technical Specifications Chapter 503.02 has been revised to read as follows:

Paved waterways of all types shall be constructed using B20 concrete having a maximum aggregate size of 20mm.

Question 15

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 kindly 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 15:

Referring to Clause 001.00 of the Technical Specification, other authoritative standards which ensure a substantially equal or higher performance than the standards and codes specified will be accepted subject to the Engineer's prior review and written approval.

Question 16

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 BS 410, 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 chapter 306.03 we can find: “Shoulders will be completed with a 150mm layer of shoulder surfacing material or crushed limestone (M400). In chapter 201.18 we can find Item No. 20103 Select Fill to Shoulders (Shoulder fill), in chapter 306.05 Item No. 30602 M300 shoulder surfacing material 180 mm thickness. In Bill No. 200 Earthworks we can find item Select Fill to Shoulders (Shoulder fill) with code 20103. Please clarify what is the requirement for the material for shoulders and under which item code it will be payable.

Answer 16:

The selected fill materials for shoulders shall be in accordance with Chapter No. 201.03 [MATERIAL] and paid under Bill Item 20103. Shoulders will be completed with a 150mm (M300) layer of shoulder surfacing material or crushed limestone in accordance with Chapter No. 306 of the Technical Specification. The shoulder surfacing will be paid under Bill Item 30602. Bill of Quantities and Technical Specification Item 30602, as well as Technical Specification Chapter 306.03 have been revised accordingly.

Question 17

In Drawings No. CLS-01, CLS-02, CLS-03 and CLS-04 there are details A and D. Construction of shoulders in these details consists of two layers with the same hatching and without giving the thickness of the layers. Please provide the missing dimensions / thicknesses and descriptions.

Answer 17:

Please refer to the Answer for Question 6

Question 18

In Drawings No. CLS-01, CLS-02, CLS-03 and CLS-04 in detail B the construction of shoulders consists of three layers without hatching and without giving the thickness of the layers. Please provide the missing dimensions / thicknesses and descriptions.

Answer 18:

Please refer to the Answer for Question 6.

Question 19

Sub-Clause 014.03 of TS Geotextiles refers to the requirements of AASHTO M288, in the same Sub-Clause reference is made to EN 13249. In Sub-Clause 303.02 reference is made to AASHTO M288. Please clarify which standard is applicable for geotextile.

Answer 19:

The geotextile filter membrane should comply of the requirements as set down in EN 13249. Technical Specification Chapter 014.03 the reference to “AASHTO M288” is replaced by “EN 13249”.
Technical Specification Chapter 201.16 the reference to “AASHTO M288” is replaced by “EN 13249”.
Technical Specification Chapter 303.02 the reference to “AASHTO M288” is replaced by “EN 13249”.

Question 20

Sub-Clause 305.17 Acceptance procedures we can find: “Bitumen supplied to the site shall be routinely tested for conformity with these Specifications. For bitumen delivered in bulk, tests shall be conducted at a minimum rate of one set of tests per tanker load. For bitumen delivered in drums tests shall be conducted at a minimum rate of one set of tests per 10 tonnes received. These test rates are intended to be used for routine testing when deliveries are confirmed as uniform and of acceptable quality. Initially, the Engineer will order tests at a substantially greater



intensity.” Please specify the frequency of tests for bitumen delivered in trucks. Please define the meaning of “substantially greater intensity”.

Answer 20:

Trucks are equivalent to tanker 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. Refer to revised wording in the Technical Specifications.

Question 21

In 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 and about locations for planting. In chapter 205.02 Materials we can find only some general description: “Materials shall be deciduous and large shrubs, such as poplar and willow trees, which experience has shown will be suitable for the locations in which they are to be planted.” For different species prices are different. Please clarify what tree species are the subject of planting.

Answer 21:

The Engineer shall specify native trees of species similar to existing trees and shrubs, and their locations during the execution of contract.

Question 22

In chapter 205.03 Planting season we can find: “Planting will be carried out at the start of the growing season.” This information is not clear for us and makes it difficult to prepare schedule for these works. As is widely known the most suitable time for carrying out planting is spring or autumn. Please specify in which months it will be possible to carry out planting.

Answer 22:

Technical Specifications Chapter 205.03 “start of the growing season” is beginning of Spring.

Question 23

Sub-Clause 305.07 Weather conditions we can find: “To the 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 15th October to 31st 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 23:

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 depending on weather conditions, may differ from 15th October to 31st March.

Question 24

According to the provisions of Sub-Clause 006.03 of Technical Specifications “The Employer will have obtained prior approvals from the owners regarding diversion/removal of services shown on the Drawings but the Contractor shall be responsible for agreeing the programme for



the work and for paying any necessary costs and fees through the Contract as instructed by the Engineer.” Generally this kind of risk is Employer’s risk. Please specify how these costs will be reimbursed to the Contractor. Please also specify if there are any utilities to be relocated.

Answer 24:

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.

Please refer to revised Drawings No. from IL-001 to II-006 for details of utilities to be relocated.

Question 25

Chapters 303.04 Construction procedure and 303.05 Work acceptance are describing sand drainage layer, subbase course of crushed limestone and base course of crushed granite / crushed stone. In the Drawings CLS-01, CLS-02, CLS-03 and CLS-04 – typical cross sections – we can find for the new road sections/realignments the following solution: subbase/ballast 200 mm and cement-stabilized base 250 mm. In Bill No. 300 Pavement we can find two items: code 30302 Subbase courses of crushed limestone h=200 mm and code 30801 Cement-stabilized base, thickness 150 mm. Please clarify what is the correct solution.

Answer 25:

The subbase course shall be ballast, and new Item No. 30302A has been added in Technical Specifications chapter 303.05 as follows:

30302A	Subbase courses of ballast h= 200mm	Square Metre
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The Thickness of Cement-stabilized base in Bill Item No. 30801 in Technical Specifications Chapter 308.08 in Bill No. 300 [PAVEMENT] has been changed as follows:

30801	Cement-stabilized base, Thickness 250 mm	Square Metre
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These revisions are shown on the revised Drawings CLS-01, CLS-02, CLS-03 and CLS-04.

Question 26

In chapter 201.16.01 Geotextiles we can find the reference to AASHTO standard:

“201.16.01.

This work consists of furnishing and placing Geotextile as a permeable separator or permanent erosion control measure.

Geotextile types conform and are designated as shown in AASHTO M288”

and in chapter 014.03 *Geotextiles:*

“Materials

Geotextile filter membrane - General requirements

Identification of the geotextile products according to EN ISO 10320 »Geotextiles and geotextile related products – Identification on site« shall be enabled.

The geotextiles have to comply with the general requirements as set down in EN 13249 »Geotextiles and geotextile related products – Characteristics required for use in the



construction of roads and other trafficked areas (excluding railways and asphalt inclusion)«. The characteristics, their relevancy to the conditions of use, and the test methods to be used are given in Table 1 in EN 13249. The geotextile products have to fulfil all the conditions and requirements set in EN 13249 for CE-marking and FPC (factory production control) and have to be assigned durable > 25 years (according to Appendix A in EN 13249).”

Please clarify which standards shall be applicable for geotextiles: AASHTO or EN?

Answer 26:

Please refer to the Answer for Question 19.

Question 27

For many items in Bills of Quantities in the column with quantities we can find the following text: “n/a”. What is the purpose of including such items in Bills of Quantities? The above applies for Bill No. 400 Bridges and overpasses in particular – none of items presented in this Bill is accompanied by the corresponding quantity. Please clarify whether it is required from the Tenderers to fill in the field with the unit price for such items or not. We would like to mention at this point that presenting or not-presenting unit prices will not affect the total price of the Tender.

Answer 27:

“n/a” means “not applicable”. Bill items marked “n/a” have been removed from the Bill of Quantities.

Question 28

Quantities presented in Bill No. 800 Engineering services are different from the quantities presented in the Drawings from IL-001 to IL-006. Please clarify which information is the correct one.

Answer 28:

The correct quantities are presented in Bill No. 800 and Drawings No. from IL-001 to IL-006 of details of utilities to be relocated have been revised.

Question 29

In Bill No. 100 Preparatory works there is an Item No. 10203 Trees clearance and disposal. 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 29:

All necessary permits are issued by local authorities and will be provided to the winning Tenderer.

Question 30

There is no separate item for reimbursement of expenses related to DAB. Please clarify if this payment will be included in contingencies?

Answer 30:

In accordance with Sub-Clause 20.2 of the General Conditions of Contract, the terms of the remuneration of either the sole member or each of the three members, including the remuneration of any expert whom the DB consults, shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.



Question 31

Please clarify if the Employer will provide the separate form for presenting the cash flow schedule.

Answer 31:

The Employer does not have a specific separate form for the presentation of the cash flow schedule.

Question 32

Please clarify if separate payment for additional works will be made in case the condition of sub-base is showing that extra measures are necessary in order to meet the requirements allowing continuing the works or this risk has to be included in other rates.

Answer 32:

The Works shall be measured and valued for payment in accordance with Conditions of Contract.

Question 33

In chapter 201.03 Material you refer to British Standard BS 410 Test sieves. Technical requirements and testing. Test sieves of metal wire cloth. In this standard sieve openings are square, but in Moldova for openings larger than 2,5 mm there are only round ones. Please specify the applicable testing method.

Answer 33:

Testing shall comply with the requirements of Clause 201.03 of the Technical Specification, or as may be otherwise agreed with the Engineer.

Question 34

In Technical Specifications you refer to Marshall tests for bituminous layers. This type of tests is not in accordance with the local standards in force. Please specify the reference method / standard for checking the quality of mix design and quality of executed works which is in accordance with the standards applicable in the Republic of Moldova.

Answer 34:

The Technical Specifications has been changed as follows:

- Chapter 301.10: the wording “*or the stiffness by Marshall*” is deleted.
- Chapter 303.04: the wording “*Asphalt mixtures will be designed, produced and laid in accordance with the requirements of chapter 305 and SNiP 3.06.03-85*” is revised to “*Asphalt mixtures will be designed, produced and laid in accordance with the requirements of chapter 305*”
- Chapter 305.08: the wording “*of at least 98% of the Marshall Density*” is replaced “*by density in accordance with chapter 305.14*” and the following new sentence is added. “*In case of discrepancy shall apply SM STB 1033-2008*”
- Chapter 305.14: the wording “*98% of the Marshall Density*” is replaced “*by 0.99 compaction SM STB 1115-2008*”

Question 35

Chapter 201.03 describes the requirements for the materials for embankment construction as follows:

“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 a Plasticity Index of less than 30 %. All fill material in



embankments, except the 300 mm below formation shall be compacted to 92 % MDD. The fill material in the layer 300 mm below formation (subgrade) in embankments shall be compacted to 95 % MDD.”

These requirements can fulfil only granular material. Please clarify if it is required to use only granular material for embankment construction.

Answer 35:

Material for embankment construction shall meet the requirement set out in the Technical Specification.

Question 36

We can't find any documentation for “Power Lines” and “Communication lines”. Please provide.

Answer 36:

The technical requirements for Power Lines and Communication Lines are set out in Clause 801 and Clause 802 of the Technical Specification and shown in Drawings from IL-001 to IL-006. Additional details have been provided on new Drawings from UD-001 to UD-006.).

Question 37

BoQ item 50105.1 “Construction of new concrete pipe culvert \varnothing 400”. We cannot find any drawing concerning this item. Please provide us with missing drawings and indicate localization and length of those culverts

Answer 37:

Please refer to Drawings No. SD-33-2-1 and SD-33-2-2.

Question 38

Drawings SD-32-1 and SD-32-2 “Shoulder spillways”. Please indicate the item in BoQ, in which those works should be calculated (one side discharge, two sides discharge, spillways, dissipations, etc.)

Answer 38:

Drawings SD-32-1 and SD-32-2, Shoulder Spillways' are related to the revised Technical Specifications and Bill Items 50301, 50305, 50306 and 50307.

Question 39

Drawings SD-01 and SD-20 shows close concrete channel (with normal and heavy duty cover, load class F900). Please indicate the item in BoQ, in which we should calculate those works.

Answer 39:

No closed concrete channel will be constructed under this project. Drawings No. SD-01 and SD-30 have been removed from Tender Drawings.

Please refer to revised drawings No. **GD-004** and **GD-005** and drawing No. **SD-32-1** for details of the New Type 2 drainage kerbs.

The Item 50503 has been deleted and Item 50802 has been revised accordingly.

Question 40

BoQ item 50105.2 “Construction of new concrete pipe culvert \varnothing 600”. Should we calculate in this item also portal walls (blocks No. 31)? Please indicate localization and length of culverts.

Answer 40:

Construction of inlet/outlet structures of pipe culverts is under revised Bill Item No. 50103.2.

Construction of new pipe culverts under the main road is under revised Bill Item No. 50105.2



Please Refer to New Drawing No. SD-49 for detail of pipe culvert 600 mm ϕ , where the length and location are presented.

In addition please note that Bill Item No. 50103.3 has been changed as follows:

50103.3	to Pipe culverts ϕ 1000	Number	6
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Question 41

BoQ item 50301 “Construction of triangular chute or spillways on embankment slope (0,6 wide x 0,3 deep) made of precast concrete units or cast in situ”. Please provide missing drawings

Answer 41:

Please refer to revised Drawings SD-32-1 and SD-32-2 for details of the Shoulders spillways. The descriptions of Items Nos. 50301, 50306 and 50307 have been revised in both the Bill of Quantities and Technical Specification and quantities provided for Items 50306 and 50307 have been changed accordingly.

Question 42

BoQ 50107.3 “Extension of concrete pipe culverts ϕ 1000”. We cannot find any relevant drawings. Please provide missing drawings.

Answer:

Please Refer to New Drawing No. SD-48 for detail of extension of pipe culverts ϕ 1000

Question 43

BoQ 50503 “Open concrete channel as per drawing”. We cannot find any relevant drawings. Please provide missing drawings.

Answer 43:

Please refer to answer 39.

Question 44

BoQ no.200 Earthworks, Item 20107 “Placement of geotextile and filter separating membrane” and item 20108 “Protection of slopes the geotextile”; there is no requirements for geotextiles in documentation/Technical Specification (TS 014.03 page 38 included only general requirements). Please provide the detail requirements for geotextiles.

Answer 44:

Please refer to Technical Specifications Chapter 507.04.

Question 45

BoQ no.200 Earthworks, Item 20403 “Provide grassing to embankment and road sides, incl maintenance up to end of defects liability period” Unit of measure [Cubic metre], according to TS 204.10 Works acceptance “Payment “ page 67 [square metre]. Please correct unit of measurement and quantity in the BoQ.

Answer 45:

The correct unit of measurement for Bill Item No. 20403 is Square Meter and unit of measure and quantity in the Bill has been revised accordingly.

Item No.	Item Description	Unit	Quantity
20403	Provide grassing to embankment and road sides, incl. maintenance up to end of defects liability period	Square Meter	34,147



Question 46

BoQ no.300 Pavement, Item 30401 “Prime-coat using cutback bitumen, 0.8 to 1.0 L/m²” and item 30402 “Tack coat using cutback bitumen or bitumen emulsion, 0.25 to 0.4 L/m²” according to TS page 78 is kgm/m². Please correct requirements.

Answer 46:

The correct unit of measurement is liters and the description has been changed in Technical Specification chapter 304.06.

Question 47

BoQ no.300 Pavement, Item 30505 “Binder course of asphalt concrete M II Thickness 60 - 80 mm”, what exactly is the layer thickness? Please split the item to two (the one 60mm thickness and the other 80mm).

Answer 47:

Item 30505 has been replaced by 2 New Items 30505.1 and 30505.2 as follows:

30505.1	Binder course of asphalt concrete, SKBg-I/2.5 SM STB 1033:2008, bitum BND 60/90 Thickness 60 mm	Square Metre	21 563,00
30505.2	Binder course of asphalt concrete, SKBg-I/2.5 SM STB 1033:2008, bitum BND 60/90, Thickness 80 mm	Square Metre	106 530,00

Question 48

BoQ no.300 Pavement, Item 30801 “Cement-stabilized base, Thickness 150 mm”, we can't find any drawing with thickness 150mm (there is only 250mm thickness). Please explain and correct accordingly.

Answer 48:

Please refer to the Answer for Question 25.

Question 49

BoQ no.600 Incidental Construction/ Crash Barriers there are two items: 60201 “Provision and complete installation of doubled metallic guard rails (reinforced crash barrier), hot galvanized, incl all ancillary works (earth and concrete works, metal works, etc.) over selected culverts.” – 11 036m, and item “Provision and complete installation of doubled metallic guard rails (reinforced crash barrier), hot galvanized , incl all ancillary works (earth and concrete works, metal works, etc.) over selected culverts.”5 965m; according to drawings there are 4 types of crash barriers: Single guardrail – 11 603m, Double Guardrail – 375m, Double Guardrail Dismountable -135m and New Jersey – 5 567m. Please clarify.

Answer 49:

Item No. 60201 is single metallic guard rail and remains unchanged.
Item No. 60202 is double metallic guard rail and has been deleted.
Please also refer to answer 10.

Question 50

Please confirm that experience in construction of the Sub-base and Base of cement stabilized materials will be accepted to demonstrate specific experience in Cold in-place recycling of asphalt pavement, due to the fact that, the equipment used to execute both type of work is the same cold in-place recycling machine.



Answer 50:

Experience in construction of the Sub-base and Base of cement stabilized materials will not be accepted to demonstrate specific experience in Cold recycling of asphalt pavement.

Question 51

In accordance with section III: Evaluation and Qualification Criteria - Qualification tables, point 2.4 Experience no. 2.4.2 b) you request "A. Average annual production an laying asphalt concrete over the last (5) years at a rate not less than: 10.000 tonnes/year" please clarify if you consider fulfilled the above request by submitting of 0 contract executed in 2009-2010 with 70.000 tonnes asphalt concrete laying.

Answer 51:

The specific experience requirements are clearly stated in Section III, Part 1, of the Tender Documents.

Question 52

Referring to Bill of Quantities, *Bill no.100 Preparatory works* item no. 10103 *Road Safety Audit for Draft and Final Construction Drawings* please clarify if any legislation is applicable for this item or send us a work description. In technical specification there are not reference about it, if are any indications please notify the number of the pages.

Answer 52:

Road Safety Audit for Draft and Final Construction Drawings shall be carried out in accordance with the requirement of EU Directive 2008/96/EC of the 19th November 2009. The Road Safety Audit may only be undertaken by Auditors meeting the requirements of Article 9 of Directive 2008/96/EC. Technical Specification Clause 101.03 has been revised accordingly.

Question 53

Please verify and confirm the quantities for item 30401 *Prime coat using cutback bitumen 0.8 to 1.0 L/m²* = 14,460.00 Litre and 30402 *Tack coat using cutback bitumen emulsion 0.25 to 0.4 L/m²* = 10,360.00 Litre. For example, for wearing course the quantity for tack coat should be 124,880.00 square meter x 0.25 Vm² = 31,220.00 liter instead of 10,360.00 Liter.

Answer 53:

The Quantities have been revised for Bill No. 300 [PAVEMENT] Items Nos. 30401 and 30402.

Question 54

In bill 300 *Pavement*, item no. 30201 *Asphalt Concrete Pavement Milling* = 22,478.00 cubic meter is referring to asphalt layers which will be included in item 30103 *Cold recycling of the asphalt concrete pavement at a depth of 100 -200 mm ?* Also for item 30103 *Cold recycling of the asphalt concrete pavement at a depth of 100 -200 mm ...* milling is included in this price or should be considered separately in item 30201 for milling?

Answer 54:

Payment for milling of the asphalt concrete pavement on the sections where cold recycling is foreseen is included in Item No. 30103 and the description of Item 30103 has been revised in the Bill and the Technical Specification as follows:

30103	Cold recycling of the asphalt concrete pavement at a depth of 100 - 200 mm. Milling, mixing in of new aggregates and stabilization with 3 % cement. Regulation to required transverse and longitudinal profile. Compaction. Total layer thickness 50 - 300 mm	Cubic Metre
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Payment for milling of the asphalt concrete pavement on the sections other than cold recycling is included in Item No. 30201 and the description of Item 30201 has been revised in the Bill and the Technical Specification as follows:

30201	Asphalt Concrete Pavement Milling to any depth and re-use or disposal as instructed by the Engineer	Cubic Metre
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Question 55

Tender Documents, Bill of Quantities in Item 30801 the cement stabilized base thickness is 150mm, but in Drawing 1: CLS 01-04, Typical Cross Section Type 1-4 the cement stabilized base thickness is 250mm. Please clarify.

Answer 55:

Please refer to answer 25.

Question 56

Tender Documents, Bill of Quantities in Item 30505 the Binder course of asphalt concrete M II thickness is 60 – 80mm. Kindly ask you to split this item and provide exact quantities for each thickness separately, as on the drawing Binder Course for Rehabilitation is indicated as 80mm, for new road as 60mm.

Answer 56:

Please refer to answer 47.

Question 57

We kindly ask you to clarify/specify:

If the hide items inserted in the bill of quantities must be evaluated or not (ex: R16/Lot1, Bill 100 row No. 30, Item 10202=Removal of top Soil-Stripping, Loaded, transported and stockpiled for reuse/decaparea stratului vegetal

Answer 57

All hidden rows have been deleted from the updated Bill of Quantities for R6.

Question 58

Please provide the following for us to prepare our tender file.

1. What clarifications are made to the tender documents, when those will be announced?
2. Some of Bill of Quantities items has “n/a” at its Quantity column.
Please clarify the following:
“n/a” refers to “not available” so that a unit price needs to be presented for the BoQ item for an unknown/unavailable quantity
OR
“n/a” refers to “not applicable” so that no unit price will be presented because the BoQ item is null and not applicable?
3. What are the modifications? When they will be released to use of prospective tenderers?

Answer 58

1. The clarifications to the tender Documents are enumerated in this Clarification Document, the Amendment No.3 and the updated Tender Documents.
2. All “n/a” items have been deleted from the updated Bills of Quantities.
3. The modifications to the tender Documents are enumerated in this Clarification Document,



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the Amendment No.3 and the updated Tender Documents.



Part 2 – R6 : Request for Clarification - Procurement

Question 59

In Invitation for Tenders there is an information regarding the source of financing the project:

“The Ministry of Transport and Road Infrastructure represented by the State Road Administration, hereinafter referred to as »the Employer«, intends using part of the proceeds of a loan from the European Investment Bank (the Bank) towards the cost of the Rehabilitation of R6 M1 – Ialoveni Road, km 00+000 - km 6+550.”

Please clarify if the loan from the European Investment Bank is the only source of financing.

Answer 59:

For this project the only financing source is European Investment Bank.

Question 60

By Particular Conditions of Contract, Part B – Specific Provisions, in the Sub-Clause 14.1 the paragraph f) is added. In this paragraph is mentioned that: “most services performed under activities undertaken in furtherance of the Contract, including in the execution of the Works, are exempt from taxes, duties, levies, contributions or other charges imposed under Laws currently or hereafter in effect in the Employer’s Country (separately »tax« and collectively »taxes«) during Contract.”

Question 1:

Does this mean that we as employer do not have obligation to pay taxes and contributions for all our employees (expats and local ones) engaged on the contract in Moldova?

Question 2:

Does this mean that all our employees are not obliged to pay income tax and contributions in the Republic of Moldova?

Answer 60:

The tax exemption legislation refers to loans and contracts, all individuals should be responsible for their tax payments in their country of registration.

Tenderers are advised to take prior legal/taxation advice and fully inform themselves with respect to the legal requirement applicable in Moldova, including with respect to tax liabilities. Please refer to the General Conditions of Contract, Sub-Clause 4.10 which deems that the Contractor shall have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Tender or Works and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation), (d) the Laws, procedures and labour practices of the Country.

Question 61

In Contract Data, Time for access to the Site is described as: Shortly after Contract Agreement signature and Performance Security Receipt”. Such unclear information is insufficient for preparation of the Preliminary Programme and cash flow schedule. Please specify the maximum length of the period between signing the Contract Agreement / receipt of Performance Security and Time for access to the Site. Please provide also the detailed data regarding limits of the site planned to be handed over to the Contractor.

Answer 61:

The access to the site will be granted by the Commencement Date.



Question 62

The deadline for tenders submission is 20 November 2014, the period of validity of tenders is 120 days. This means that tenders will be valid until 19 March 2015. In Invitation for Tenders it is mentioned that “Commencement of works is planned to be in September 2014”. Please give the information about approximate Commencement Date.

Answer 62:

The phrase in Invitation for Tenders “Commencement of works is planned to be in September 2014” should have been “Commencement of works is planned to be in July 2015”.

Question 63

There is no separate item for reimbursement of expenses related to DAB. Please clarify if this payment will be included in contingencies?

Answer 63:

In accordance with Sub-Clause 20.2 of the General Conditions of Contract, the terms of the remuneration of either the sole member or each of the three members, including the remuneration of any expert whom the DB consults, shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.

Question 64

Please clarify if the Employer will provide the separate form for presenting the cash flow schedule.

Answer 64:

The Employer has no separate form for presenting the cash flow schedule.

Question 65

We kindly ask you to clarify/specify:

Exactly the documents/forms which must be filled/prepared by the Subcontractor(s) in order to be Accordance with the Tender Documentation requirements, taking into account that only the “ELI – 2” form is clearly mentioned in this respect.

Answer 65:

In Form “ELI – 2” the Tenderer shall include all requested information for each Party constituting the Tenderer.

Information on Subcontractors who do not constitute the Tenderer shall be provided as required in **Part 1 - Section IV: Tender Forms**, Schedule of Supplementary Information, v) **List of Proposed Subcontractors**



Part 3 – R6 : Requests for Clarification – Other Miscellaneous Changes

- a) Tender Documents, Part 2 – Requirements, Technical Specification, Chapter 302.01

302.01 INTRODUCTION

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

shall be substituted by:

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

- b) Chapter 702.02 Materials, the description was revised as follows:

d) Glass Beads

Fine or coarse beads, anti-skidding beads must be compliant with SR-EN-1423/A1:2004. The quantity of beads to be used shall be as directed by the Employer's Representative on the basis of demonstration tests to be done by the Contractor but shall not be less than 0.8 kgm/litre of paint.

- c) Chapter 702.02, two new items were added as follows:

e) Anti-skid surface treatments

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

f) Transverse Rumble Strips

Transverse rumble strips shall consist of thermoplastic markings immediately adjacent to village name plates
The rumble strips shall comply with the requirements of SM SR 1848-7, 2013 and be formed in white color.

And two new Items 70207 and 70208 were added in Technical Specification, Chapter 702.08 [WORKS ACCEPTANCE] as follows:

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

- d) Updated Bill of Quantities

All hidden rows have been removed from the updated Bill of Quantities.

PLEASE NOTE THAT ALL TENDERERS SHOULD USE THE UPDATED BILL OF QUANTITIES IN THE TENDER SUBMISSIONS.