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**REPUBLIC OF MOLDOVA  
ROAD SECTOR PROGRAM**

**STATE ROAD ADMINISTRATION**

**CLARIFICATION DOCUMENT No.1 TO THE  
TENDER DOCUMENTS**

**Rehabilitation Works on R34 Hîncești - Leova - Cahul -  
Giurgiulești road, km 82+000 – 125+00  
under the Contract RSP/W15/03**

**Issued on November 09, 2024**

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### Question 1

“According to requirements of Criteria 3.1 General Experience, a Participant shall demonstrate experience as a contractor in the execution of two (2) contracts ... that have been substantially completed and are similar to the proposed contract”.

Can a contract that has reached 85% completion be deemed substantially completed?

### Answer

No. This requirement shall be read in conjunction with the stipulation in the last column of the requirement in question, i.e. “Documentation Required”. Under the latter, in order to claim experience from a previous contract for the qualification purpose under the respective criterion, such claim shall be supported by “Copies of taking over certificate or other similar equivalent document to prove the information provided in Form.” A contract will be considered substantially completed when such completion is confirmed by a supporting Taking Over Certificate (or equivalent).

### Question 2

“The similarity is described by Table 3-1, “Similarity Determination”, where among other things, the above contracts should include at least 8 Bridges constructions”.

- Can the above requirement be demonstrated by contracts that included bridges reconstruction / rehabilitation.
- The above requirement for bridge construction appears to create an uneven playing field. For instance, a contractor who has successfully completed a large-scale bridge project, such as a 400-meter bridge, possesses a unique skill set and knowledge base that may not be fully captured by simply counting the number of bridges constructed. It evidences a significantly higher level of expertise of such a participant compared to a bidder who has built eight small bridges (e.g 20 m long each). Considering the above, we kindly request that the Client modify the requirement for bridge construction to linear meters or square meters in order to make it more competitive and comparable.

### Answer

Please refer to the Addendum no.2 to the procurement documents for a modified qualification criterion.

This is amended as “iii) *Bridge construction/rehabilitation works executed within the last five (5) years comprising:* “ bridges with a combined total surface area (measured abutment – abutment) of not less than 4000 square meters.”

### Question 3

“We refer to subfactor 3.3 Specific Experience”.

The footnote <sup>6</sup> reads “The last 5 (five) years means the years from November 2018 – up” Please confirm if the month and year is correctly indicated.

**Answer**

Please refer to the Addendum no.2, where this provision has been corrected to read:

“All terms in this paragraph shall be considered as ending in November 2024 and shall be calculated backward, each year of such term containing twelve months. The 5 year period is therefore defined as November 2019 – November 2024.”

**Question 4**

“The requirement of the above subfactor states: “For the above, or other contracts, that have been successfully and substantially completed during the last five (5) years period ...“ i) Production and laying asphalt concrete on a single contract in the past three (3) years not less than”

- Please explain which period is correct 5 or 3 years?
- The same refers to Paragraphs ii) and iv) where the period is other than 5 years. – please clarify.
- To avoid misunderstandings, please clarify the exact period (from month/year to month/year) during which the requirements in paragraphs i)- iv) apply.

**Answer**

Please refer to the Addendum no.2, where this provision has been amended to 5 years for Item i), Item ii) and Item iv).

Modified Form EXP-3W Specific Experience is attached to Addendum no.2, where allowance is made for this modification.

The period is as per answer to question 3.

**Question 5**

Could you please provide Form of Tender Security in MS Word format.

**Answer**

Yes. The word form may be downloaded following the link below:

[http://files.asd.md/Directia\\_investitii/Form of Tender Security.zip](http://files.asd.md/Directia_investitii/Form_of_Tender_Security.zip)

### Question 6

Please confirm our understanding that to verify the Financial Situation as per the requirements of Table 2, Section IV: Eligibility and Qualification Criteria, the information must be provided for the last three years, 2021-2023.

- regarding the demonstration of financial results;
- regarding the calculation of Average Annual Turnover.

Qualification Forms FIN-1 and FIN-2 are also calculated for this period (2021-2023), however, the subheading of Table 2, Section IV: Eligibility and Qualification Criteria states that 'The information shall be provided for the period of 2019 to 2023'."

### Answer

Please refer to Addendum no.2, for corrected version.

### Question 7

The participant intends to submit a Tender Security issued by a bank of the Employer's country. The bank is going to issue the guarantee within the financial instruments of joint international financial institutions. The guarantee instruments of all banks participating in this guarantee transaction cannot have an open expiration date, as they are bound by exact terms: the validity period of the counter guarantee and Stand-by Letter of Credit must exceed the validity period of the guarantee by at least 15 days. Considering the above argumentation, and referring to the previous precedents when such a request was satisfied, is it possible to add to the text of the Tender Security the exact date of its validity expiration, provided that the date shall not be earlier than the expected date of submission of performance Guarantee by the successful tenderer, in accordance with all Tender Documents' set provisions and in case the tendering process is delayed, the participant will ensure the extension of the guarantee?

### Answer

It is acceptable to indicate the expiration date assuming that the date shall not be earlier than the expected date of submission of Performance Guarantee by the successful Participant, in accordance with all provisions set forth in the Tender Documents. Moreover, in case the tendering process is delayed, the participant shall ensure the extension of the guarantee, otherwise such proposal shall be subject to disqualification.

### Question 8

Regarding Tender Documentation / BoQ\_R34\_ver\_1.0/Bill 500/Item 50502 - *Closed concrete channel*, (b=0,9; h=variable) (accordance with the technical drawings)/Canal de beton închis, (b=0.3; h=variabil), (conform desenelor tehnice). The width (b) is stated as 0.9 in the English description, but in the Romanian description the same dimension is stated as 0.3. Kindly clarify which dimension the tenderer should use.

**Answer**

The dimensions for the closed concrete channel shall be in accordance with Construction Drawings Volume 3.1, sheets 273 – 275 “Concrete roadway channel Type 1”. Dimensions shall be used as b=0.3 – free flow.

Please refer to Addendum No.2 for amended BoQ Item 50502 description.

**Question 9**

Regarding Tender Documentation/ BoQ\_R34\_ver\_1.0 / Bill 700 / Item 70106.4 - *Install new signs on new poles Type 2000x1000* /Instalarea indicatoarelor rutiere noi pe stilpi noi 2000x1020mm. The dimension is stated as 2000x1000 in the English description, but in the Romanian description the same dimension is given as 2000x1020mm. Kindly clarify which dimension the tenderer should use.

**Answer**

Participant should use the dimensions 2000x1020 mm as per Construction Drawings Volume 3.10 – Amendment 1, sheet 48.

Please refer to Addendum No.2, Article 6 for amended BoQ Item 70106.4 description.

**Question 10**

Upon reviewing Volume 3.1 of the provided documentation, the Bidder was unable to locate any documents detailing the coordination with utility lines. Based on the Bidder's previous experience, the absence of such coordination often leads to inaccuracies in the road plans, particularly concerning the location of utility lines. This issue tends to cause significant delays in the progress of works, as discrepancies between actual utility locations and the plans are frequent. Additionally, the Bidder's has observed that designers may not acknowledge responsibility for these inaccuracies.

**Answer**

In Volume 3.1 of Construction Drawings, the Road Plan layouts provide the alignment of utilities located in the road area. The utilities that interfere with the scope of work was marked as warning “Attention cable! – the earthworks are performed manually”.

The utilities that require relocation are provided in the Construction Drawings Volumes 3.7, 3.8, and 3.9.

The tenderer shall take into consideration the requirements Construction Drawings and Technical Specification provided.

**Question 11**

Please confirm whether any coordination documents regarding utility lines exist, and if so, provide them for review?

**Answer**

Please refer to above Answer for Question No.10.

**Question 12**

In Volume 3.1, the Bidder observed a note regarding manual excavation for utility lines. However, no corresponding work item for manual excavation was found in the Bill of Quantities (BOQ). Please clarify this discrepancy?

**Answer**

A Contractor when working (excavating) in the close proximity of an existing utility, excavation works must be carried out using manual excavation taking due care to ensure not to damage / break the utility. In the drawings, detailed schemes are provided.

This work is considered to be covered under existing Items of Bill 800, Engineering Services, including Items 80201.1/80201.2.

**Question 13**

In Volume 3.1, the Bidder could not find any detailed drawings for precast elements. Based on the Bidder's experience, such detailed drawings are essential to obtain product certification, and the Supplier typically requests these drawings from the Contractor, leading to additional costs for producing them. Please provide detailed drawings for each precast element involved in the drainage works?

**Answer**

Please refer to the Construction Drawings of DA / Road Works compartment for pipe and box culverts.

The Specification of the culvert block provided the overall dimensions. The culvert structure details are described in the typical design mentioned in the details of the drawing layout.

**Question 14**

In Volume 3.1, the Bidder reviewed the identified typical cross-sections for the subgrade, it is specifying that at Km 89+140, Type 8 should be applied. According to Type 8, the Contractor is required to apply a formation layer with cement. However, in Volume 3.2.1, it is indicated that the formation layer should be applied almost directly over the existing pavement. In light of this, the Bidder seeks clarification on whether the existing pavement, including the granular material beneath it, should be excavated before applying the formation layer.

## Answer

Please refer to:

- Construction Drawings, sheets 141 and 142 of the Volume 3.1, and sheet 2152 of Volume 3.2.1.
- Bill of Quantities bill 100 and bill 200.
- Technical Specification

With reference to the scope of works for the section defined by Typical Cross Section 8, the chainage PC 874+50 – PC 897+00, Participant must refer to the widening - new construction and embankment rising works.

The scope of work items was defined by the Bill of Quantities - Bills 100, 200, 300 and Technical Specifications requirements.

## Question 15

In Volume 3.1, the Bidder noted that the reinforcement steel type is specified as A240, along with certain GOST standards. If, during the execution of the Works, the Contractor wishes to use materials that comply with EN standards instead, will the Contractor be required to modify the drawings, potentially incurring additional costs?

## Answer

Wherever Participants find reference to the GOST standard in the Construction Drawings, they shall refer to the similar valid EN standard.

For reinforcement steel A240 the valid standard is SM SR EN 10080:2014.

## Question 16

It is unclear from the technical specifications which specific structures are encompassed within the payment for work items 50401.1 and 50402.2 as listed in the Bill of Quantities (BOQ). Could you please provide clarification regarding the specific structures that are covered under these items?

## Answer

Please refer to the payment and measurement descriptions of Technical Specifications.

The scope of works for payment items is determined by the minor concrete works for the culverts and other drainage structures which are out of scope for specific payment items.

## Question 17

Should the cost for pre-boring in driven pile works be included in item 40201 of the Bill of Quantities (BOQ)? Please clarify.

**Answer**

Yes the cost for pre-boring in driven pile works be included in item 40201 of the Bill of Quantities.

**Question 18**

In the Bill of Quantities (BOQ) and technical specifications, work item 41201 for bridges specifies that pedestrian handrails should be galvanized. However, the drawings indicate that the handrails should be painted. Additionally, while the technical specifications state that pedestrian handrails for roads should be galvanized, the drawings also indicated that pedestrian handrails shall be painted.

**Answer**

Please refer to Addendum No.2 for amended sub-chapter of Technical Specifications under Chapter 412 [PEDESTRIAN STEEL HANDRAILS], and for amended payment item description under Bill 400.

Participants shall follow the description of Construction Drawings and work description of sub-chapter 412.03 of Technical Specifications.

The pedestrian handrails for the bridges should be painted according to Construction Drawings and amended Technical Specifications.

The pedestrian handrails for the road should be galvanized according to Technical Specifications.

**Question 19**

According to the Tender Documentation, Bill of Quantities, Under BILL 700 / Items.

70106.6	Install new signs on metallic gantry frame Type PMΓ - 1 m	pcs
70106.7	Install new signs on metallic gantry frame Type PMΓ - 3 m	pcs

The Bidder requests clarification from the Employer regarding the scope of the items mentioned above, specifically whether these items conflict with the technical specifications detailed below. Additionally, the Bidder seeks confirmation from the Employer that payment for the console element (support) will be covered under the aforementioned items and that the scope of these items does not include signage.

According to the Tender Documentation, Volume III - Technical Specifications, under Chapter 701 - Measurements, it is stated that "Sign installations will be measured by number. A sign installation includes the support. Different items will be used for significantly different signs."

**Answer**

Please refer to the Construction Drawings Volume 3.10 – Addendum no.2, sheets 49 – 51.



Please refer to Technical Specification and Bill of Quantities, the items describing the works to install new signs on metallic gantry frame Types PMΓ - 1 m and 3m, the items numbers are 70101 and 70102.

The payment for items 70101 and 70102, install new signs on metallic gantry frame Types PMΓ - 1 m and 3m, includes the payment for the console element (support) and the associated sign.

Please refer to Addendum No.2 for amendments.

#### **Question 20**

According to the Tender Documentation, Volume III - Technical Specifications, under Chapter 801 - Measurements, the costs for the illumination cable will be paid under the work item that is measured in pieces (pcs). Therefore, the Bidder asks the Employer how payment will be handled in the event of an increase in the cable quantity.

#### **Answer**

Please refer to the Technical Specification Chapter 801, description of para Measurement.

The arrangement of external lightning is measured and paid on number of poles. The network layout work will include all material (including cables) and other items required to complete the works provided for in the project.

The scope of works and details as specifications of specific works are provided in the Construction Drawings of Volume 3.5.

Payment will be made as per the description of Payment in Chapter 801 of the Technical Specification and the work Items included in the Tender Bill of Quantity, Bill 800.

#### **Question 21**

The Bidder wishes to provide the Tender Security from Turkish Banks with higher transaction volume than Moldovan Banks, otherwise counter-guarantee will be required which will need extra cost and time therefore, the Bidder may not submit a competitive bid or in the time.

#### **Answer**

The tender documents impose no limitation in terms of nationality of any guarantee/security required. Participants are free to choose the nationality of such banking institution, subject to the latter compliance with the requirements stated in the tender documents in respect of other requirements such issuers shall comply with.

#### **Question 22**

The bidder wishes to provide the Performance Security and the Advance Payment Security from Turkish Banks with higher transaction volume than Moldovan Banks, otherwise counter-guarantee will

be required which will need extra cost and time therefore, the Bidder may not submit a competitive bid or in the time.

**Answer**

See answer to the Question 21 above.

**Question 23**

The current deadline for the submission of tender documents is set for October 30, 2024. However, we would like to bring to your attention that Turkey will be observing the Republic holiday from October 28 to October 29, 2024. During this period, banks and other essential institutions will be closed, which will hinder our ability to obtain the necessary bid security documents and other required paperwork. Additionally, many of our employees will be on leave, making it challenging to finalize and submit a comprehensive and competitive bid.

In light of these circumstances, we kindly request a two-week extension of the submission deadline, moving it to November 15, 2024. This extension will allow us to adequately prepare and ensure that all required documents are properly completed and submitted.

**Answer**

The date for submission has been extended by November 20th, 2024, as per Addendum no.1.

**Question 24**

According to the Contract Data - Time for completion (S.Cl. 1.1.3.3.) is 915 days and Defect Notification Period (S.Cl. 1.1.3.7.) is 730 days. According to Item 00401 of the Technical Specification: "The Engineer's Contract office will be paid for as a lump sum to include all specified furniture and equipment", at the same time it is noted: " The Offices may be required during the DNP". According to Item 004.05 "Throughout the construction period and for as long thereafter during the Defects Liability Period as the Engineer may require, the offices shall be maintained, repaired and serviced by the Contractor" At this BoQ item 00402 provides only 30 months for office maintenance.

Will the Office require maintenance during the Defects Liability Period? If not, the specification must clearly state this, as bidders must factor in additional maintenance costs.

**Answer**

Considering that the Engineer's Offices may be required during the Defect Notification Period, the quantity for payment item 00402 "Maintain contract office" has been increased to 33 months.

Please refer to Addendum No.2 for amendment.

**Question 25**

The BoQ specifies the rearrangement of a 2x2.3.0 m culvert with reuse of reinforced concrete elements, item 50106.2. No drawings were found for these works. Please provide additional information or clarification.

**Answer**

Please refer to Addendum No.2.

Please refer to Volume 3.1 Road Works\_Addendum No.2. The reference drawings to the scope of works are presented in sheets Nos. 237 and 238.

**Question 26**

The BoQ specifies the Consolidation of trapezoidal channel Type 3, items 50304.1 - 50304.8. A total of 8 positions.

No drawings were found for these works. Please provide additional information or clarification.

**Answer**

In the Amendment No.2, the BOQ for trapezoidal channel Type 3, items 50304.1 - 50304.8 is being changed from trapezoidal channel Type 3 to Consolidation of rectangular channel Type 3 .

The consolidated rectangular channel Type 3 is rigid rectangular shape, built on site of monolithic reinforced concrete or prefabricated elements. Rectangular drain channels may be closed or open depending on where they are located. The type, section of the channels and thickness of the layers will be in accordance with the technical drawings.

The details for rectangular channel Type 3 of items 50304.1 – 50304.8, can be found in the Construction Drawings Volumes 3.1 and 3.2, on compartments: Typical Cross Section, Road Plan, Longitudinal profile, and Cross Sections.

The detailed list of chainage, quantities and dimensions is part of Construction Drawings of Volume 3.1, see tab. 2.8 “Lista cu cantitati pentru amenajarea rigolei dreptunghiulare din beton monolit”. Refer to Addendum No.2 Article 11 amendment.

**Question 27**

Item 50405.2 of BoQ is used twice for different types of work.

Please make changes to BoQ or provide clarification.

**Answer**

The Item 50405.2 of BOQ (occurring twice) is amended as follows:

50405.2	Precast RC slab 300x100x20cm Dala prefabricata de beton armat 300x100x20cm
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Is replaced with the following:

50405.3	Precast RC slab 300x100x20cm Dala prefabricata de beton armat 300x100x20cm
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Please refer to Addendum No.2 .

### Question 28

BoQ Item 50901.2 Construction of longitudinal drains provides for Construction of manholes and Construction of the exit gully in linear meters (BoQ items 50903 and 50904), while the Technical specification indicates that the units of measurement to be used in the BoQ for these items are pieces, which is more appropriate for this type of work.

Please make changes to BoQ or provide clarification.

### Answer

BOQ measurement items for 50903 & 50904 have been amended.

Please refer to Addendum No.2.

The Construction of the exit gully (accordance with the technical drawings) measurement will be linear metre (L.M).

The Construction of manholes (in accordance with the technical drawings) will be measured in pieces (Pcs).

### Question 29

According to the Technical Specification, Chapter 005.Laboratory, "Laboratory equipment and apparatus shall be removed from the site of the Works when no longer required by the Engineer and in any case no later than the end of the Defects Liability Period, unless directed otherwise in the Particular Conditions. There shall be no separate payment for the establishment and operation of the laboratory" Considering the above, do we understand correctly that all laboratory equipment and apparatus supplied by the Contractor, necessary for the operation of the Laboratory during the execution of the Contract, belong to the Contractor and will not be paid for and handed over to the Employer after completion of the Works?

### Answer

Yes, the supplied laboratory equipment will remain the property of the Contractor and does not need to be handed over by the Employer after completion of the works.

### Question 30

Milestone 1 and Milestone 2: We noticed that Milestone 1 is scheduled for the 500th day from the commencement day, and Milestone 2 for the 930th day. However, we could not locate specific details in the tender documents about the exact scope of works that need to be completed under Milestone 1 and Milestone 2. Could you kindly clarify what works are required to be completed by these milestones?

### Answer

Please refer to Addendum 2: where the milestones have been defined as follows:

Milestone 1: Reaching 40% progress of the works within 500 days from Commencement Date. Progress shall be calculated from the value of works certified by the Engineer in the monthly IPC statement as compared to the total contract value (the calculation shall exclude the Bill of Quantity - General Items, the Dayworks Bill of Quantity and any Provisional sum for contingencies),

Milestone 2: The Contractor shall complete the whole of the Works within the Time for Completion for the Works, including: a) Achieving and passing of the Tests on Completion, and b) Completing all works which are stated in the Contract as being required for the Works to be considered to be completed for the purpose of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections].

### Question 31

Project Schedule Format: In PCC 1.16, it is mentioned that the work schedule can be submitted in either MS Project or Primavera format. However, in the tender documents, under Section II\_Datasheet\_ver\_2.0 ITP 11.1 (ii), it states that the schedule must be prepared in MS Project. Could you please confirm whether a schedule prepared in Primavera will also be acceptable?

### Answer

PCC 1.16 forms part of the suite of Contract Documents and refers to the schedule(s) of work (etc.) that are to be submitted during the contract implementation / construction stage by the Contractor.

The Section II\_Datasheet\_ver\_2.0 ITP 11.1(i) (ii) requires submission of the schedule in MS Project (including native files) as part of the Tender Submission process. This will be used by the Employer in the tender evaluation process.

### Question 32

Subcontractor and Design Responsibilities: In Section II\_Datasheet\_ver\_2.0 ITP 11.1 (iii), it states: "List of Proposed Subcontractors including the contractor's designer. The Client's design author, which is SRL "UNIVERSINJ" (Republic of Moldova) cannot be engaged by the contractor [FORM F – 5 LIST OF PROPOSED SUB-CONTRACTORS]." Additionally, on page 23 of Section VIII\_Particular Conditions of the Contract\_ver\_2.0, under the paragraph regarding the second installment, it mentions: "Preparation and submission of verified Construction Drawings (when

applicable)." Could you please confirm whether the preparation, verification, and approval of project drawings fall under the contractor's responsibility?

**Answer**

The Contractor is required to incorporate the Road Safety Audit requirements into the Construction drawings as per the procedure set out. Please refer to the Technical Specification sub-chapter 101.03, paragraph regarding the Inclusion of a Road Safety Audit Report. This process will include the updating of the Construction Drawings and subsequent Verification.

**Question 33**

Reminder – Time Extension Request: Additionally, we would like to kindly remind you of our extension of time request submitted earlier. We are still awaiting your response on this matter and would appreciate an update on the current status of our request.

**Answer**

Please refer to the Answer under Question no.23.

**Question 34**

Regarding Tender Documentation I BoQ\_R34\_ver\_1.0 I Bill 300 I Item 30303 -Base course of optimal mixture crushed stone, 0-63 LA30, h -100 mm I Strat de fundatie din piatra sparta amestec optimal 0-63 LA30, h-150 mm. The thickness is stated as h -100 mm in the English description, but in the Romanian description the same dimension is given as h-150 mm. Kindly clarify which dimension the tenderer should use.

**Answer**

Please refer to Addendum No.2.

Please refer to the Construction Drawings Volume 3.1 sheet 298. The thickness of Base course of optimal mixture crushed stone, 0-63 LA30 shall be 100 mm.

**Question 35**

According to the Tender Documentation, Volume 3.1, Page 6, for Section Km 84+ 727 - 84+938, there is an existing railway bridge located at Km 84+ 715. The current gabarite (clearance) under this bridge is 3.5 meters based on the existing level. However, in the Construction Drawings, Volume 3.2.1, Page 2.43, the red line indicates an elevation increase of approximately 26 cm, which would further reduce the gabarite. Additionally, there is an existing lake located 1.5 to 2.0 meters from the road pavement, with the water level nearly the same as the existing pavement level at section Km 84+ 710-87+880 on the left-hand side (LHS). The Bidder is concerned that these issues-particularly the absence of design

work regarding the railway bridge and the lake-could severely impact the project / schedule. The Bidder kindly requests clarification on these matters.

#### Answer

Please refer to Addendum No.2 for the corrected version of Construction Drawings Volume 3.2.1\_Addendum 2.

#### Question 36

Regarding the Tender Documentation / Section IV: Eligibility and Qualification Criteria / Clause 3.3 Specific Experience, it is stated: "iv) Annual average production and laying of Cement stabilized *base/cold recycling* stabilized with cement layer over the past four (4) years, not less than 60,000 cubic meters." However, in "Section V: Qualification Forms / Form EXP-3W: Specific Experience," indicated as "Laying Cement stabilized base and *sub-base courses*, cubic meters." Please clarify.

#### Answer

Qualification Forms / Form EXP-3W: Specific Experience is amended to read "Production and Laying Cement stabilized /cold recycling stabilized with cement over the past 5 years" (attached to this document).

Please refer Addendum no. 2 where period is changed to 5 years.

#### Question 37

Please clarify the following regarding BoQ Item 10103: "Inclusion of a Road Safety Audit Report."

**Unit price:** How the already included unit price of 3,000,000 EUR is explained?

**Unit of measurement "Provisional Sum":** please explain how this amount aligns with the "Provisional sum for contingencies" listed on the summary sheet, also totaling 3,000,000 EUR.?

**Tender Document:** Since the Road Safety Audit Report is already included as an integral part of the tender document, please clarify the specific requirements for this BoQ item.

**Contractor's Deliverables:** What is expected from the Contractor in terms of deliverables related to this item? Will they be required to provide an additional, independent audit report, or is the included report sufficient?

**Payment Terms:** How will the contractor be paid for this item?

**Subcontractor Involvement:** Does the inclusion of this item imply that the contractor must engage a nominated subcontractor to conduct the audit?

#### Answer

The Provisional Sum included in the Bill of Quantities as Item 10103 under the activity “Inclusion of a Road Safety Audit” (RSA) is a provisional amount allocated for the cost of including the Road Safety Audit findings into the scope of the works.

This includes the costs of preparation and verification of modified construction drawings including a Bill of Quantity (as required) and the subsequent implementation and payment for these works under the Contract provisions.

To carry out the RSA design modifications it will be necessary for the Participant to engage a suitably registered and experienced qualified designer to do this work. In such situation the Tenderer shall be required to obtain a minimum of 3 quotations for the work and to obtain the Employer’s approval of the preferred Designer.

The expected deliverable will be updated, verified Construction Drawings that incorporate the Road Safety Audit Report findings as determined and agreed with the Employer into the scope of works, including the BOQ for the costs of these works.

There is no link between the Provisional Sum allocated within the Contract for the Road Safety Audit requirements (BOQ Item 10103) and the Separate Line Item for the Provisional Sum for Contingencies.

Please refer to the Technical Specification sub-chapter 101.03, para. Inclusion of a Road Safety Audit Report, which is explanatory.

### **Question 38**

In the Bill of Quantities (BoQ), Bill 100, there are listed items/sections for the demolition works of 6 bridges (PC898+92, PC 969+87, PC1227+91, PC1233+09, PC1236+05, PC1247+39). At the same time, in the BoQ, Bill 400, virtually identical demolition works (including demolition of bridge beams) are also included also for 6 bridge structures, but with a different quantity of works. We kindly request additional clarification regarding the works in question and confirmation that the demolition works for the restoration of 6 bridges are not duplicated in the BoQ.

### **Answer**

Please refer to the Bill of Quantities, and Construction Drawings Volume 3.1.

The tenderer must refer to the chainage positions of demolition works requested for the bridges listed in Bill 100 that are different from the chainage bridges position listed in Bill 400.

Participant shall refer to the Construction Drawings Volume 3.1 for requested works as replacement of bridges with Box Culverts with different dimensions.

### **Question 39**



Specification Sub-Clause 201.03 requires: "The fill material of the upper embankment layer ... shall be ... with a CBR index of not less than 6% at moisture content of 0,65Wt." However, it may not be feasible as not all materials in the compacted state are able to reach such indicated moisture content within short (or acceptable) timeframe.

Therefore, we kindly request a method statement for soil testing to determine CBR index at moisture content 0.65 Wt (Water-Liquid limit).

#### **Answer**

Refer to Addendum No. 2.

Technical Specification Sub-Clause 201.03 relates to Embankment Construction up to a level 300mm below the embankment formation level.

Technical Specification Sub-Clause 201.13 relates to the upper 300mm of the Embankment layer (sub-grade) and has different material requirements.

#### **Question 40**

Specification Sub-Clause 301.05 requires "The crushed stone used in the mixture must have a strength not lower than M400, as per SM SR EN 13242". SM SR EN 13242 does not use this grading. Please clarify.

#### **Answer**

Refer to Addendum 2.

Sub-Clause 301.05 specifies a Los Angeles Abrasion Value of < 30 for the crushed stone mix as also shown in the BOQ items 30305, 30308 and 30602.

#### **Question 41**

Specification Sub-Clause 303.04. requires that the crushed stone must have "Los Angeles toughness and abrasion coefficient not less than 30% ". Actually that means that crushed stone with LA coefficient over 30% (weaker, less durable) should be used. Please clarify.

#### **Answer**

There is an anomaly in the Specification Sub-Clause 303.04 where the Los Angeles Value required is specified as being less than 30, however further in the clause a dot point states the following:

- "Los Angeles toughness and abrasion coefficient not less than 30%."

This dot point is incorrect as it should read:

- "Los Angeles toughness and abrasion coefficient not more than 30%."

Refer Addendum 2.

#### Question 42

Specification Sub-Clause 304.02 refers to standard SM SR EN 13808 and requires the use of bituminous emulsion EBK 1, EBK 2 or EBK3. However, such grading is not used in the mentioned standard. Please correct or clarify.

#### Answer

Please refer to Addendum No.2 for the amendment of the required materials as follows:

For tack coat bituminous emulsion C55 B5-7 shall be used.

For prime coat bituminous emulsion C55 B2 shall be used.

#### Question 43

Specification Sub-Clause 305.08, Table "Specific Characteristics of Asphalt Mixtures for Wearing Course (SM SR EN 13108-5)", Requirement for " Volume of voids filled with bitumen" ranges from 77 to 33 %. Is 33 a correct figure or misprint?

#### Answer

Please refer to Addendum No.2 for correction, the requirement to read as follows:

“Voids filled with bitumen ranges from 77 to 83 %.”

#### Question 44

Specification Sub-Clause 306.02, requires: Select fill  $PI < 17$ , and  $CBR > 15\%$ . At the same time Sub-Clause 201.14 states that shoulders shall be formed using selected fill from: earth brought as filler ... mixed in a 50/50 proportion with material resulting from the demolition of the existing road structure. Which of the requirements is correct one, since the mix from Sub-Clause 201.14 does not meet the requirements of Sub-Clause 306.02?

#### Answer

Please refer to Addendum No.2 for clarification.

#### Question 45

Borrow Pit Filling Item in BOQ: It appears that there is no specific item in the Bill of Quantities (BOQ) for borrow pit filling with suitable material. Based on the BOQ, we assume that either all excavated material is expected to be suitable for filling purposes, or that filling from a borrow pit is included

under another item, such as item 20101. Could you please confirm whether filling from a borrow pit is foreseen and, if so, under which BOQ item this is covered?

#### **Answer**

Please refer to the Bill of Quantities, Bill 200.

The item 20101 describes the scope of work as follows: “Excavate, load, place and compact in road embankment, incl haulage and benching of embankment slope for widening the existing road embankment (material from cut to fill).”

It entails that the material resulting from the excavation in road embankment (excavation area) is reused in the embankment fill on other sections, and is suitable for filling – according to the Technical Specification requirements.

The materials necessary for embankment construction are covered by the scope of work defined in the Bill 200, Earthworks.

#### **Question 46**

Shoulder Construction Material: The technical specifications for shoulder construction indicate: “Where shoulders are to be constructed or reconstructed, they shall be formed using selected fill from: earth brought as filler according to the requirements specified in Sub-clause 201.03, and mixed in a 50/50 proportion with material resulting from the demolition of the existing road structure.” According to this specification, 50% of the material is to be sourced from the excavation of the old pavement, and the remaining 50% should consist of filling material. However, there is no specific mention of a borrow pit in the project documents. Could you please confirm whether it is assumed that all material from the excavation will be suitable for use, or whether additional borrow pit material will be required? If borrow pit material is needed, kindly confirm if there are pre-identified borrow pit locations with permissions already obtained, or if this procedure will need to be carried out after the tender, in accordance with Moldovan law, which grants the Employer the authority to obtain such permissions.

#### **Answer**

Please refer to the answer to the Question No.45.

#### **Question 47**

Bridge Guardrails: The project includes repair works on an existing bridge, which already has guardrails installed on the bridge deck. According to the BOQ and project documents, the existing guardrails are to remain. However, according to applicable norms, guardrails with a higher classification should be installed, and they should extend to the bridge approaches as well. These upgraded guardrails and their extension to the approaches are not indicated in the drawings, nor are they quantified in the BOQ. Could you please clarify if the existing guardrails will remain as is, or if upgrading the guardrails is required, and if so, whether this will be reflected in the BOQ?

**Answer**

Please refer to the Construction Drawings Volume 3.4.5 – Bridge PC1168+99.

Contractor must rehabilitate the bridge in accordance with the scope of works defined in the Bill of Quantities and the description of the Construction Drawings.

**Question 48**

Wearing Course and Binder Course Mix Design: The technical specifications for the Wearing Course (MAS16) and Binder Course (BAD 22.4) mix designs do not clearly specify whether modified bitumen is required or if dry polymer can be used directly in the mixture. Could you kindly clarify the required specifications for the bitumen or polymer to be used in these courses?

**Answer**

Please refer to the Technical Specification requirements of sub-chapter 305.02 and Sub-chapter 305.11 for the polymer requirements.

It is the Contractor's choice on whether to purchase from a supplier the Modified Binder, or to prepare the modified product himself. The critical factor is that the modified product must comply with the relevant Technical Standards.

Please refer to Addendum No.2 for the corrected version of the Technical Specification and Bill of Quantities.

**Question 49**

According to the Tender Documentation, Section VIII, Contract Forms, Contract Agreement Draft, the Drawings take precedence over the Specifications. The Drawings indicate asphalt courses with normal bitumen, while the Specifications require the use of modified bitumen. Could you please clarify this discrepancy?

**Answer**

As per Technical Specifications Modified Bitumen is required.

Please refer to the Addendum No.2 Article 19 and 20.

**Question 50**

According to the Tender Documentation, Volume 3.1, Page 6, for Section Km 84+727 - 84+938, there is an existing railway bridge located at Km 84+715. The current gabarite (clearance) under this bridge is 3.5 meters based on the existing level. However, in the Construction Drawings, Volume 3.2.1, Page

2.43, the red line indicates an elevation increase of approximately 26 cm, which would further reduce the gabarite. Additionally, there is an existing lake located 1.5 to 2.0 meters from the road pavement, with the water level nearly the same as the existing pavement level at section Km 84+710 - 87+880 on the left-hand side (LHS). The Bidder is concerned that these issues—particularly the absence of design work regarding the railway bridge and the lake—could severely impact the project schedule. The Bidder kindly requests clarification on these matters.

**Answer**

Please refer to the answer to the Question No.35.