REPUBLIC OF MOLDOVA

MOLDOVA RURAL CONNECTIVITY PROJECT - P180153

NATIONAL ROAD ADMINISTRATION

CLARIFICATION DOCUMENT No.2

TO BIDDERS' QUESTIONS ON RfB

Rehabilitation Works on Corridor 24:

Lot 1: Contract MRCP/W2/01: Road G133: G132 – Tartaul – Goteşti – R34, km 0+000 - km 14+920 (Section 1) and Road G132: R35 – Baimaclia – Taraclia de Salcie – R32, km 14+220 - km 20+350 (Section 2).

Lot 2: Contract MRCP/W2/02: Road G131: R35 - Bobocica - G132, km 0+000 - km 12+000 (Section 1) and Road G131: R35 – Bobocica - G132, km 12+000-km 22+110 (Section 2).

Issued on September 10, 2026

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Question 1

With reference to the Bidding Documents for the Moldova Rural Connectivity Project, RFB No. MRCP/W2/01-02, Procurement of Rehabilitation Works on Corridor 24, we kindly request clarification regarding BOQ Item No. 20106 under Lot 2.
Lot 2: Contract MRCP/W2/02
Road G131: R35 - Bobocica - G132, km 0+000 - km 12+000 and Road G131: R35 - Bobocica - G132, km 12+000 - km 22+110
BOQ Item No. 20106:
“Improvement of the overhead layer of the embankment (50/50, soil/aggregates from demolition), h = 200 mm.”
We note that, according to our understanding, the description of BOQ Item 20106 differs from the requirements of the Technical Specification regarding the construction of the upper subgrade / upper embankment layer.
Considering the order of priority of the Contract documents, where the Technical Specification has higher priority than the completed Bill of Quantities, we kindly request clarification of the following:

1. Please confirm whether BOQ Item 20106 shall be executed strictly in accordance with the BOQ description, namely as a 200 mm layer consisting of 50% soil and 50% aggregates from demolition, or whether it shall be executed as cement-stabilized material in accordance with the Technical Specification.
2. If cement stabilization is required, please confirm the required type/class of binder and the required cement content/percentage.
3. Please confirm the source of the soil material to be used for this item: existing material on site, material from excavation, borrow pit material, quarry material, or another approved source.
4. Please confirm what material shall be considered as “aggregates from demolition” for this item, and whether the available quantity of such material is sufficient for the full execution of BOQ Item 20106.
5. Please clarify how the 200 mm thickness indicated in the BOQ shall be coordinated with the Technical Specification requirement related to the upper 300 mm of the subgrade / upper embankment layer.

Answer

1) BOQ Item **20106** shall be executed in accordance with the BOQ description, namely as a **200 mm layer consisting of 50% soil and 50% aggregates from demolition**.
2) The hydraulic road binder content shall be **2%**, but the exact content will be determined once it is determined the Mix Design, following the Engineers Approval.
3) The soil material shall be obtained from **road excavation (cut sections)**.
4) The term **"aggregates from demolition"** refers to **crushed stone and gravel**.
5) The thickness of the layer shall be 200 mm, in accordance with the Drawings and the BOQ. The Technical Specification describes in general lines the technology of construction and shaping of shoulders for layers below 300 mm.

Question 2

Meaning of “production and laying”
Clause 4.2(b) refers to “production and laying” of asphalt concrete and cement stabilized base / cold recycling layer stabilized with cement.

Please clarify whether this requirement means that the Bidder must have carried out both production and laying using its own plant and own laying resources.

Alternatively, please confirm whether the requirement may also be considered fulfilled where the Bidder had contractual responsibility for the works and carried out the laying, while production was performed by an approved asphalt plant, mixing plant, supplier or subcontracted production facility under the Bidder’s responsibility.

Answer

The requirement regarding the "production and laying" of asphalt concrete and cement-stabilized base / cold recycled layer stabilized with cement may be satisfied under either of the following arrangements:

- where the Bidder has carried out both the production and laying using its own production plant and paving equipment; or
- where the Bidder had the contractual responsibility for the execution of the Works and carried out the laying, while the production was performed by an approved asphalt plant, mixing plant, supplier or subcontracted production facility under the Bidder's responsibility.

Both arrangements are acceptable to qualify under the requirement of the criterion at hand.

Question 3

Clarification Request regarding Design Changes Timeframe and Risk Allocation:

With reference to the requirement for Bidders to describe the design change proposal process, commit to a deadline for submission, and aligned with the principles outlined in **'Works Risk Analysis and Appropriate Mitigation Measures',** to ensure a fair evaluation and eliminate any ambiguity during project execution regarding risk triggers, we kindly request the Employer to explicitly confirm that:
1. For any design optimizations, discrepancies, or Value Engineering proposals identified by the Contractor on-site, the committed countdown **shall commence strictly from the date of a formal, written and numbered Variation Instruction** issued by the Engineer requesting the full proposal package, and *cannot* be retroactively calculated from the Commencement Date of the Works or the date of initial discovery.
2. In full alignment with the progressive risk management approach specified under **'Works Risk Analysis and Appropriate Mitigation Measures',** design change proposals are not expected to be submitted as a single package for the entire project length at the initial stage, but can be submitted progressively throughout the construction period as specific physical site conditions or hidden engineering risks dictate.

3. Bidders are not required to submit any actual, preliminary, or specific design change proposals/technical alternatives within their current Bid submission. Please confirm that at the bidding stage, Bidders are only expected to describe their general management methodology and procedural approach for handling such changes during contract execution."

Answer

The purpose of this evaluation criterion is to assess the Bidder's proposed methodology and commitment regarding the management of design changes during contract implementation.

At the bidding stage, Bidders are not required to submit specific design change proposals, technical alternatives, or Value Engineering proposals. The Bid shall include only the Bidder's proposed management approach and the committed timeframe for the submission of design change proposals when such proposals are required during contract implementation.

The administration of design changes, Contractor's proposals, Variations and Value Engineering during contract execution shall be carried out in accordance with the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022) and the Contract Documents.

Question 4

With reference to Section III, Technical Part Scoring Methodology, (page 54), Bidders are required to commit to a maximum timeframe for the submission of a fully developed 'design change proposal'. To ensure fair evaluation and eliminate any contractual ambiguity during project execution, we kindly request the Employer to clarify the following:
In the event that a design change proposal involves completely new items of work for which no applicable or analogous unit rates exist in the original Bill of Quantities (BoQ), please confirm that the Bidder's committed timeframe applies strictly to the initial submission of the proposed technical documentation and the Contractor's estimated new rate calculations. Specifically, please confirm that the subsequent review, negotiation, and formal approval/determination of these new unit rates by the Engineer and Employer represents an independent process that is excluded from the Contractor's committed timeframe and shall not trigger any daily delay penalties under PCC 14.16.

Answer

The matters raised in this request shall be governed by the provisions of the Conditions of Contract for Construction (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), where applicable, together with the other Contract Documents.

The preparation, submission, review, determination and approval of design change proposals, including proposals involving new items of work and the determination of new rates, shall be carried out in accordance with the relevant provisions of the Contract, including the applicable provisions of the GCC as modified and supplemented by the PCC.

The Technical Part Scoring Methodology is intended solely for the evaluation of the Bidder's proposed methodology and committed submission timeframe at the bidding stage. It does not amend, replace or prejudice the contractual procedures governing Variations, Contractor's proposals, determination of new rates, payments or any other matters related to contract administration during contract execution.

Question 5

Inconsistent Chainage (Section 2, G133)

In the General Summary of the BOQ, Section 2 is indicated as **G133 km 0+000 – km 14+930**, while the Bidding Documents and technical drawings indicate the chainage as **km 0+000 – km 14+920**.
• **Question:** Please confirm the correct contractual chainage and endpoints for Section 2.

Answer

The correct chainage for Section 2 (Road G133) is km 0+000 – km 14+920, in accordance with the Drawings and the relevant BOQ tables.

The reference to km 14+930 in the General Summary of the BOQ is a typographical error. All other relevant contract documents correctly indicate the endpoint as **km 14+920**.

Please refer to Amendment No.6 to the Request for Bids, dated September 10, 2026, for the revised BoQ.

Question 6

Bridge Bills Numbering and Calculation (Lot 1)

Please clarify the numbering of bridge Bills. Two sheets are named “Bill 400.1”, although Lot 1 includes four bridges.

Answer

The bridge Bills are correctly assigned to their respective road sections.
Bill No. 400.1 appears twice because the numbering restarts for each Section. The Bills are distinguished by the bridge identification (PC) and the corresponding Section, as indicated in the title of each Bill:

- Bill No. 400.1 – Bridge PC 143+67, Section 1 (Road G132);
- Bill No. 400.1 – Bridge PC 11+66, Section 2 (Road G133);
- Bill No. 400.2 – Bridge PC 39+04, Section 2 (Road G133);
- Bill No. 400.3 – Bridge PC 86+27, Section 2 (Road G133).

The relevant Section, Road designation and Bridge (PC) reference are clearly specified in the title of each respective Bill. Therefore, the Bill numbering is correct and each Bill is uniquely identified by its Bill number together with the corresponding bridge (PC) and Section.

Question 7

Identical Descriptions for Different BOQ Items (Items 30503 & 30702)

BOQ items 30503 and 30702 have identical technical descriptions: *"Wearing course of asphalt concrete BA16 with polymer modified bitumen PMB 45/80-80, h=40 mm"*, however, they are included under different sections of the BOQ and contain different quantities.
• **Question a):** What is the exact distinction between BOQ items 30503 and 30702?
• **Question b):** Are different technical requirements, locations, construction methods, or measurement rules applicable to these items?
• **Question c):** If both items represent the same type of work and technical specification, please clarify the reason for separating them into different BOQ items.

Answer

a) The distinction between the two BOQ items is their intended application within different parts of the Works:

- Item 30503 is included under "ASPHALT CONCRETE FOR PAVEMENTS / BETON ASFALTIC PENTRU ÎMBRĂCĂMINTEA RUTIERĂ" and applies to the main carriageway.
- Item 30702 is included under "VARIOUS ASPHALT WORKS / LUCRĂRILE VARIATE DIN ASFALT (PRIVATE ENTRANCES)" and applies to private property entrances.

b) The technical requirements for the asphalt wearing course itself are identical. However, the items differ in their location within the Works and in the pavement structure on which the wearing course is placed.

For Item 30503, the wearing course is placed over:

- Item 30505 – Binder Course of asphalt concrete BAD22.4 50/70, h = 60 mm;
- Item 30402 – Tack coat using bitumen or bituminous emulsion (0.25–0.40 l/m²).

For Item 30702, the wearing course is placed over:

- Item 30304 – Base course of optimal crushed stone mixture 0–63 mm LA30, h = 150 mm;
- Item 30401 – Prime coat using bitumen or bituminous emulsion (0.50–1.00 l/m²).

Furthermore, these works are specified under different chapters of the Technical Specifications, namely Chapter 305 and Chapter 307, respectively.

c) The BOQ items are separated because they relate to different parts of the Works and different pavement structures, although the wearing course material and its technical specification are the same. Additionally, Item 30702 was inadvertently omitted from the Method of Measurement and Basis of Payment table under Section 307.010 – Works Acceptance of the Technical Specifications.

Accordingly, the following item shall be added to the table:

No.	Item	Unit of Measure
30702	Wearing course of asphalt concrete BA16 with polymer modified bitumen PMB 45/80-80, h-40mm Strat de uzura din beton asfaltic BA16 cu bitum modificat polimeric PMB 45/80-80, grosimea 40mm	Square meter

Please refer to Amendment No.6 to the Request for Bids, dated September 10, 2026, for the amended Sub-Chapter 307.010 - Works Acceptance, Payment.

Question 8

Inconsistent Safety Barrier Technical Specification (Item 41101)

BOQ Item 41101 contains conflicting language regarding the required bridge safety barrier:
• *English description:* "Furnishing and assembling of bridge type steel guardrails **H2 W3**";
• *Romanian description:* "Furnizarea și instalarea parapetelor de siguranță pentru poduri **H2 W4**".
• **Question:** Please clarify the required containment and working width class of the bridge safety barrier. Please confirm whether the system shall be **H2 W3** or **H2 W4**.

Answer

The inconsistency occurs only in Lot 1, Section 2, in Bill No. 400.2 – BRIDGES, Bridge PC 39+04. It is confirmed that the BOQ contains an inconsistency between the English and Romanian descriptions of Item 41101.

The required bridge safety barrier shall be H2 W4, in accordance with:

- the approved Drawings (Drawing No. 26.1, Sheet 2), which specify Bridge Type Guardrail H2-A-W4; and
- the Technical Specifications, Section 411.04 – Work Acceptance, where Item 41101 is specified as "Furnishing and assembling of bridge type steel guardrails H2 W4".

Accordingly, the English description of BOQ Item 41101 in Bill No. 400.2 has been amended through Amendment No.6 to the Request for Bids, dated September 10, 2026 to read as follows:

"Furnishing and assembling of bridge type steel guardrails H2 W4".

The Romanian description remains unchanged.

Question 9

Discrepancy in Geotextile Material Specifications (Item 90104)

BOQ Item 90104 is described inconsistently throughout the Tender Documents as: *"Geotextile Type 1"* and *"Geotextile Type 1 (similar Geolon PP60)"*.

• **Question:** Please clarify the final required technical parameters and whether a specific brand standard (e.g., Geolon PP60) is mandatory or if an equivalent material meeting the base functional specification is acceptable.

Answer

The required geotextile shall comply with the following requirements:

- Section 1: Geotextile Type 2, with a minimum tensile strength of 30/30 kN/m (Rc = 30/30 kN/m).
- Section 2: Geotextile Type 2, with a minimum tensile strength of 1000 kN/m (Ts = 1000 kN/m).

Accordingly:

- the reference to "similar Geolon PP60" in the BOQ;
- the reference to "Geolon PP60" in the Drawings; and
- the reference to "Typar SF49" in the Drawings,

shall be understood as references to equivalent geotextile products complying with the above technical requirements and the applicable provisions of the Technical Specifications.

Question 10

Omitted Culvert Elements at km 2+706 (Section 2, G133)

According to the issued drawings for Section 2 (G133), a pipe culvert Ø1500 mm is clearly shown at chainage km 2+706. However, BOQ Item 50103.4 *"Construction of culvert inlets and outlets to pipe culverts Ø1500 mm"* contains no quantity for Section 2 (G133 km 0+000 – km 14+920).

• **Question:** Please clarify whether the Ø1500 mm culvert at km 2+706 is included in the scope of works and confirm the correct quantities for Item 50103.4.

Answer

As shown in Bidding Documents, Section VII, Drawings, Volume 3.1.2 – Road Works, Road G133, Drawing, sheets 125-127, the culvert at km 2+706 is a double pipe culvert (2 × Ø1500 mm) and not a single Ø1500 mm pipe culvert.

Accordingly, the relevant BOQ items are:

- Item 50103.6 – *Construction of inlets and outlets to double pipe culverts Ø1500 mm* – Quantity: 4 pcs; and
- Item 50105.5 – *Double pipe culverts Ø1500 mm* – Quantity: 16 linear metres.

Therefore, the culvert at km 2+706 is included in the scope of the Works under the BOQ items applicable to double pipe culverts Ø1500 mm.
No quantity is required under Item 50103.4, as this item applies to single pipe culverts Ø1500 mm.

Question 11

Discrepancies in Drainage Structures Quantities (Section 1, G132)

According to the Detailed List of Quantities for Section 1 (G132), the drainage structures include:
• 1 unit of double-sided chute entry gully (Item 50306);
• 64 units of single-sided chute entry gullies (Item 50307). However, in the BOQ, Item 50306 contains zero quantity for Section 1, and Item 50307 includes a quantity of 65 pcs.
• **Question a):** Please confirm whether one double-sided chute entry gully has been omitted from BOQ Item 50306.
• **Question b):** Please confirm whether the quantity under Item 50307 should be reduced from 65 pcs to 64 pcs.
• **Question c):** Please confirm the correct final quantities of single-sided and double-sided chute entry gullies for Section 1 and issue a corrected BOQ if necessary.

Answer

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information. The BOQ incorporates the final adjustments made to the quantities for implementation of the Works in accordance with the Bidding Documents and the applicable contractual requirements.

In this particular case, an error was identified in the Detailed List of Quantities for Section 1 (G132). No double-sided chute entry gully is required under Item 50306.
The correct final quantities for Section 1 are therefore:

- Item 50306 – Double-sided chute entry gully: 0 pcs;
- Item 50307 – Single-sided chute entry gully: 64 pcs.

Accordingly, the quantity under BOQ Item 50307 has been amended through Amendment No.6 to the Request for Bids, dated September 10, 2026, from 65 pcs to 64 pcs. No quantity shall be added under Item 50306.

Question 12

Completeness of Utility Works Design

• **Question**: Please confirm that all utility relocation works shown on the issued drawings are fully included in the BOQ and that no additional utility relocation works are expected outside the issued design documentation.

Answer

The issued design includes all water supply network relocation works identified during the design stage.

Provided that no new water supply networks have been installed between the completion of the design and the commencement of the construction works, the relocation works included in the design shall remain unchanged.

If new water supply networks have been installed during that period, the necessary amendments to the design shall be made in accordance with the Contract.

Question 13

Expired Technical Conditions and Design Approvals

The design documentation for utility relocation works (water supply, gas supply, telecommunications, and other utility networks) has been issued without valid Technical Conditions (*Avize Tehnice*) from the respective utility owners. The only Technical Conditions provided are for the overhead power lines; however, these have already expired. Furthermore, the official verification and approval of several utility relocation designs have expired, meaning the drawings cannot be considered final "For Construction."

• **Question a):** Who will be legally and financially responsible for obtaining updated Technical Conditions and renewed approvals/verifications of the utility relocation designs?
• **Question b):** Who will be responsible for updating, modifying, and reissuing the utility relocation drawings to reflect the renewed Technical Conditions and approvals?
• **Question c):** Please confirm that the time required for obtaining updated Technical Conditions, renewing approvals, and revising the utility relocation designs shall not be at the Contractor's risk and will be eligible for an Extension of Time (EOT).
• **Question d):** Please confirm that no construction activities related to utility relocation will be required from the Contractor until all updated Technical Conditions, approvals, and revised "Approved-for-Construction" (*Bun pentru Execuție*) drawings have been officially issued by the Employer.

Answer

(a) Updated Technical Conditions, where required following the expiry of their validity period, shall be requested by the Employer (Beneficiary).
For the utility networks addressed in the design:

- Water supply networks: the Employer (Beneficiary) shall obtain the updated Technical Conditions.
- Communication networks: the Employer (Beneficiary) shall obtain the updated Technical Conditions and the necessary approvals.
- Gas network: the relocation design was prepared in accordance with the Technical Conditions available at the design stage, coordinated with the network owner and duly verified. Any further actions shall be determined by the Employer.

Then aspects addressed in the questions paras. (b), (c) and (d) shall be governed by the relevant provisions of the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Question 14

Risks Related to Unaccounted Utility Networks
• **Question a):** Who bears the financial and contractual risk if unaccounted or unmapped utility networks are discovered during excavation and site works?
• **Question b):** Please confirm whether a formal Site Instruction and Variation Order will be issued to handle the relocation of any such additional, unmapped utilities.
• **Question c):** Please clarify who is responsible for paying the utility network operators' service charges during temporary disconnections and reconnections of lines.

Answer

(a) If previously unidentified utility networks are encountered during construction, the necessary amendments to the design shall be prepared. The costs associated with such additional works shall be addressed through the contingency provisions, where applicable.

If new utility networks have been installed after completion of the design, the corresponding additional works shall be designed based on newly issued Technical Conditions.

The Designer, as part of the Engineer's team, shall be involved in the preparation and review of the necessary design amendments in accordance with the Contract.

Then aspects addressed in the questions paras. (b) and (c) in the matter instructions, design modifications, Variations, payments and other contractual matters arising from such circumstances shall be administered by the Engineer, with the involvement of the Designer as part of the Engineer's team, in accordance with the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Question 15

Utility Relocation Approvals
• **Question:** Please confirm whether all utility relocation permits and utility owner approvals have already been obtained by the Employer, or whether the burden of obtaining these permits lies with the Contractor.

Answer

For the gas network, the relocation design was prepared in accordance with the applicable Technical Conditions, coordinated with the utility owner and duly approved during the design stage.

Any further actions required after expiry of the Technical Conditions or due to changes occurring after completion of the design shall be determined by the Employer (Beneficiary).

The responsibilities relating to permits, approvals, utility coordination and the administration of the Works shall otherwise be governed by the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Question 16

Land Availability for Temporary Facilities
• **Question:** Please confirm the availability and legal status of land required for temporary roads, construction camps, material storage areas, and borrow pits/areas. Will this land be provided by the Employer free of encumbrances?

Answer

The temporary roads included in the project are located on public land. Prior to their use, the Contractor shall coordinate with the respective Local Public Authority (LPA), as required.

The construction camp and material storage areas shall be provided by the Contractor in accordance with the requirements of the Contract and the Technical Specifications.

No borrow pits are envisaged under the project. The material required for the embankment works shall be obtained from the excavation (cut) sections, in accordance with the Drawings, Technical Specifications and the Bill of Quantities.

Question 17

Risk Allocation and Financial Implications of Delayed Site Access (Sub-Clause PCC 2.1)
With reference to **Sub-Clause PCC 2.1** and the corresponding list of 24 private land plots subject to a potential access delay of **up to 12 months** from the Commencement Date, the Bidder notes the

strict condition that the Contractor shall not be entitled to any Extension of Time (EOT) or additional costs arising from these specific delays.
To ensure a realistic, transparent, and competitive pricing structure, the Bidder kindly requests the Employer to clarify the following:
• **Question a):** In accordance with the World Bank’s guiding principles on balanced and equitable risk allocation, if any of these defined 24 private land plots directly impact the project’s critical path (e.g., preventing the timely execution of bridge structures, major culverts, or continuous earthworks), please clarify if the Employer would establish a dedicated **Provisional Sum** within the Bill of Quantities (BOQ) to transparently compensate the Contractor for verified prolonged site overhead and machinery standby costs, rather than forcing Bidders to artificially inflate their unit rates.
• **Question b):** Please confirm that if a delay on any of these 24 plots extends beyond the stipulated 12-month limit, the Contractor's full contractual right to claim both an Extension of Time (EOT) and additional costs under the General Conditions of Contract (FIDIC) shall be completely reinstated without prejudice.

Answer

(a) The private land plots referred to in Sub-Clause PCC 2.1 have been identified in advance and disclosed in the Bidding Documents. These plots have been declared to be of national public utility and are currently in the final stage of the expropriation process.

The identified plots do not prevent the Contractor from carrying out the remaining Works and are not considered to affect the critical path of the Project. Accordingly, no amendment to the Bill of Quantities, including the introduction of an additional Provisional Sum, is made by this Addendum.

(b) Should the handover of any of these land plots exceed the 12-month period specified in Sub-Clause PCC 2.1, the respective matter shall be administered in accordance with the applicable provisions of the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Question 18

Legal and Financial Liability Transfer for 2019 Obermeyer Design Defects to the Contractor

• **Context:** Volume 1, Book 4 (Tema de Proiectare), Page 13 (Specific Conditions, Clause 10) explicitly dictates: *"Proiectantul va actualiza detaliile de execuție elaborate de către JV between Obermeyer Hellas Ltd (Greece), Obermeyer Planen+Beraten GmbH (Germany) and ADT OMEGA SA (Greece) în anul 2019."*

Clarification Request: By signing the Contract under this clause, the Employer transfers the complete structural design liability and technical accountability for the historical 2019 designs onto the Contractor under the guise of an "update" (*actualizarea*). If severe alignment distortions, structural bridge geometry flaws, or hydrometeorological calculation errors are discovered on-site, the Supervisor may claim that the Contractor signed off on and validated these defects during the update phase. Please explicitly confirm that any fundamental errors, structural redesign overruns, or gaps inherited directly from the 2019 Obermeyer design will be treated as an Employer's Risk under

FIDIC Clause 17.1, and all corrective engineering variations will be fully compensated by the Employer.

Answer

The reference contained in Volume 1, Book 4 (Design Brief) relates to the scope of design services that was assigned by the Employer to the Designer under a separate design services contract.

The Design Brief is included in the Bidding Documents for information purposes in order to maintain a consistent history of the technical design document structure. It does not modify the scope of the Works, the allocation of responsibilities under the Contract, or the Contractor's obligations.

The update of the 2019 Obermeyer execution design, as referenced in the Design Brief, was carried out by the Designer in 2023 under that separate design services contract and has already been completed.

Accordingly, the reference contained in the Design Brief shall not be interpreted as imposing on the Bidder or the future Contractor any obligation to update, validate or assume responsibility for the 2019 Obermeyer design for the purpose of preparing its Bid.

The rights, obligations and liabilities of the Parties during contract execution shall be governed by the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Question 19

Contractual Contradiction Between Eurocodes (Design) and SNiP/GOST (Execution/Testing Codes)

- **Context:** Volume 1, Book 4, Page 12 (Structural Parameters, Clause 9) states that the structural design complies with EN 1990 and EN 1992. However, Page 12 simultaneously follow the old Soviet code **СНиП 2.05.03-84 (Bridges and Culverts)**.

Clarification Request: Eurocodes and SNiP/GOST utilize fundamentally different sampling frequencies, testing methodologies, and material strength compliance curves for structural concrete and reinforcement steel (Class A500C). In the event of a quality control conflict between EN standards and СНиП 2.05.03-84 on-site, please clarify which testing code holds legal and technical priority for material approval (*Material Submission*) by the Supervisor.

Answer

For the purposes of material approval, sampling, testing, quality control and acceptance of construction materials, including structural concrete and reinforcement steel, the applicable EN material, product and testing standards specified in the Contract Documents and Technical Specifications shall govern.

This requirement applies also to bridges and culverts whose structural design was developed with reference to SNiP 2.05.03-84. Accordingly, where a difference exists between SNiP/GOST provisions and the applicable EN standards regarding sampling frequency, testing methodology or material acceptance criteria during construction, the applicable EN requirements specified in the Contract Documents and Technical Specifications shall govern for construction quality control and material acceptance.

EN 1990 and EN 1992 establish the relevant structural design framework where referenced in the design, while the actual sampling and testing of concrete, reinforcement steel and other construction materials shall be carried out in accordance with the applicable EN material, product and testing standards specified in the Contract Documents and Technical Specifications.

SNiP 2.05.03-84 remains applicable to the structural design requirements for bridges and culverts where expressly referenced in the issued design. Its application as a design standard does not replace the EN requirements specified in the Contract Documents and Technical Specifications for material approval, sampling, testing, quality control and acceptance during construction.

The reference cited by the Bidder is contained in Volume 1, Book 4 – Detailed List of Quantities for Bridges and originates from the Design Brief used for preparation of the design. It shall not be interpreted as establishing separate construction quality control, material sampling, testing or acceptance requirements for the Contractor.

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information. The BOQ incorporates the final quantities for implementation of the Works.

Question 20

Ambiguity Regarding the Application of the 1.2 Narrow Conditions Factor (*Conditii Restrinse*) on Quantities

- **Context:** In Volume 1, Book 3 and Book 4, Page 3 (Section 6), the BoQ explicitly states: *"Coeficient ce tine de conditii restrinse - 1,2"* (Coefficient for narrow/restricted working conditions of 1.2) due to village crossings and live traffic interfaces.

Clarification Request: Could the Employer please clarify whether the physical numbers currently displayed in the "Cantitatea" (Quantity) column already include this 20% volume increase, or are bidders expected to multiply the listed quantities by 1.2 when preparing their unit rate pricing? If the factor is applied to productivity loss rather than volume, please confirm that Meticulous Supervisor approval will be contractually guaranteed for a 20% higher unit rate under these specific sections.

Answer

The coefficient of 1.2 for restricted working conditions referred to in Volume 1, Book 3 and Book 4, Page 3 (Section 6) of the Detailed List of Quantities was used as part of the methodology for preparation of the detailed cost estimate and does not represent a multiplier to be applied to the quantities stated in the Bill of Quantities (BOQ).

For the purpose of bidding, Bidders shall use the quantities stated in the BOQ without applying the 1.2 coefficient to those quantities.

Bidders shall independently assess the working conditions, including works within villages, along existing roads, under live traffic and in other constrained areas, and shall establish their unit rates accordingly, taking into account the requirements of the Bidding Documents and their own proposed construction methodology, resources and productivity.

The reference to the 1.2 coefficient in Volume 1, Book 3 and Book 4, Page 3 (Section 6) of the Detailed List of Quantities does not prescribe a productivity or efficiency factor to be used by Bidders and does not provide for an automatic 20% adjustment to the unit rates during Contract execution.

For the purpose of bidding, the BOQ shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information. The quantities stated in the BOQ shall be used for the preparation and pricing of the Bid.

Question 21

Omission of Disposal, Processing, and Haulage Items for Excessive Asphalt Planings (Milling Materials)

- **Context:** Volume 1, Book 3 requires extensive asphalt pavement milling across variable thicknesses (3cm to 11cm), generating a massive total surface area of over **70,304 m²** of asphalt planings. Section 2.9 specifies a 50%-50% mix reuse of soil and milled stone for localized base profiles.

Clarification Request: There is no explicit item in the Bill of Quantities for the long-term stockpiling, processing (crushing/screening), and environmental disposal haulage of the remaining excessive milled asphalt material that cannot be blended on-site. Please clarify if the haulage cost to an official municipal dump site (beyond 10km) is considered incidental to the milling rates, or if a separate BoQ item will be created.

Answer

The milled asphalt material is intended to be transported to asphalt production plants for cold recycling, together with the addition of new aggregates, for use in the pavement base layer.

The project has been designed so that the entire quantity of milled material is reused. Accordingly, no excess milled asphalt material is anticipated and no separate BOQ item for disposal has been provided.

Should any quantity of milled asphalt material exceptionally remain unsuitable for reuse during construction, it shall be transported to a location designated by the Employer, within a maximum hauling distance of 10 km, and handed over to the Employer.

Accordingly, no additional BOQ item for the disposal or long-distance haulage of excess milled asphalt material is required.

Question 22

Clarification of Measurement and Payment for Temporary Diversion Roads (*Drumuri de Ocolire*) and Their Demolition

- **Context:** Volume 1, Book 3, Page 3 (Item 1.9) lists **1,713 linear meters** for temporary bypasses (*Amenajarea drumurilor de ocolire la pod si podete*). Concurrently, Page 3 (Item 1.10) and Section 5 detail major quantities for the complete structural demolition, pipe removal, and backfilling of these identical temporary roads (*Volumul lucrărilor la demolarea drumurilor temporale*).

Clarification Request: Bidders request the Employer to confirm if all structural layers (excavation, aggregate base, culvert installation, and final disposal) executed for the temporary diversion roads will be measured and paid as independent admeasurement items under the respective sub-sections, or if the bypass network is paid strictly as a lump-sum incidental item where the Contractor must absorb all build-and-demolish risks.

Answer

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information. The BOQ incorporates the final quantities for implementation of the Works.

The construction and demolition works associated with the temporary diversion roads have been included in the Bill of Quantities (BOQ).

Accordingly, the relevant works, including the construction and subsequent demolition of the temporary diversion roads and the associated work items, shall be measured and paid under the respective BOQ items. They are not treated as a single lump-sum incidental item.

No additional BOQ items are required.

Question 23

Omission of Critical "Manual Excavation" Lines for Sidewalk Trenching Adjacent to Existing Structural Walls

- **Context:** Volume 1, Book 3, Page 4 (Section 3.3) mandates heavy mechanical excavation for sidewalks (*Săpătură mecanizată la trotuare*), while requiring extensive manual finishing for the underlying platform.

Clarification Request: Due to the close proximity of village house masonry boundaries, perimeter fences, and existing shallow telecommunication utilities (Moldtelecom fiber lines), utilizing a 0.4 m^3 mechanical excavator bucket will inevitably cause structural property damage. A significant portion of this excavation footprint must be handled strictly via hand-shoveling. Will the Employer introduce

a dedicated BoQ line item for "Manual Structural Excavation for Sidewalks" to compensate for this high-labor cost?

Answer

The reference cited by the Bidder in Volume 1, Book 3, Page 4 (Section 3.3) of the Detailed List of Quantities forms part of the detailed cost estimate supporting the design.

The manual works associated with sidewalk excavation were taken into account in the preparation of the cost estimate and are included within the corresponding BOQ unit rates.

The Detailed List of Quantities is provided as supplementary supporting information and does not establish a separate BOQ measurement or payment item for the manual component of the sidewalk excavation works.

Accordingly, the Employer will not introduce a separate BOQ item for “Manual Structural Excavation for Sidewalks.” Bidders shall price the relevant BOQ items taking into account all works and resources necessary for their execution in accordance with the Drawings and Technical Specifications, including manual works where required.

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities.

Question 24

Volumetric and Structural Miscalculation of Formwork Quantities Under Three-Fold Repetition Mandates

• **Context:** Volume 1, Book 4, Page 4 (Item 18, 20 & 22) details the execution of reinforced concrete foundation pads (*radier*) and pier vertical structures (*elevatie*). Both items strictly enforce a high-use cycle notice: *"Repetare - 3 ori"* (Repetition - 3 times).

Clarification Request: Foundations and vertical wall piers possess completely different geometric dimensions, meaning foundation formwork cannot be physically stripped and re-assembled on vertical faces without extensive wastage and structural modification. The current BoQ under-budgets procurement by factoring in a theoretical 3-fold direct reuse cycle. Please confirm whether the cost for purchasing the extra physical formwork surface area, timber framework accessories, and the associated scrap ratios are considered completely incidental to the unit rates, or if the billing line will be adjusted to reflect actual material procurement requirements.

Answer

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing. The BOQ incorporates the final adjustments made to the quantities for implementation of the Works in accordance with the Bidding Documents and the applicable contractual requirements.

The premise of the request is not applicable to the issued design.

The foundation consists of precast piles, which do not require formwork.

The infrastructure elements for which formwork is required are Abutment No. 1 and Abutment No. 2, namely the bearing bench, wing (guard) walls and bearing plinths. The corresponding formwork quantities indicated in the BOQ are consistent with the execution drawings.

The formwork may be reused during the construction of both abutments as envisaged in the design. Accordingly, no adjustment to the BOQ quantities is required.

Question 25

Volumetric Under-Budgeting of Anti-Reflective Geocomposite Layer vs. Asphalt Surfacing Footprints

• **Context:** Volume 1, Book 4, Page 5 (Item 30) specifies the deployment of an anti-reflective asphalt reinforcement layer: *"Geocompozit 50/50 kN/m (ex. HATELIT)"* with a fixed quantity of **86.3 m²**. Concurrently, Items 41 and 42 define the total bridge road asphalt surfacing footprint as 138.0 m².

Clarification Request: Geocomposite meshes require mandatory technical overlaps (minimum 15-20 cm lateral/longitudinal binds) and boundary anchorage trimming lines, meaning geocomposite procurement volumes must systematically exceed the net asphalt area by 15-20%. The current allocated quantity (86.3 m²) is physically smaller than even the net asphalt footprint. Please confirm that any volumetric overruns executed onsite to fulfill the manufacturer's installation overlap guidelines will be measured and paid as an additional admeasurement volume.

Answer

The 86.3 m² quantity referred to by the Bidder is indicated in Volume 1, Book 4, Page 5 (Item 30) of the Detailed List of Quantities. The corresponding quantity in the Bill of Quantities, Bill No. 400.3 – Bridge PC 86+27, Item 90101 – Geocomposite Type 1, is 87.00 m², representing the rounded quantity to be used for bidding.

For measurement and payment during execution, the actual net area of geocomposite incorporated into the Works, executed in accordance with the Drawings and Technical Specifications and verified by the Engineer, shall be measured in accordance with the Contract.

The additional geocomposite material required for overlaps at joints, cutting, trimming, anchorage and wastage shall be estimated by the Bidder and included in the relevant BOQ unit rate. Such additional material shall not be measured separately for payment.

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information.

Question 26

Mandatory Double-Handling and On-Site Storage Risks for Prestressed Bridge Beams at PC 143+67

- **Context:** Volume 1, Book 4, Page 4 (Item 27) requires the fabrication and erection of prestressed reinforced concrete beams (15 × 0.75 × 0.80m, weighing 10.775 tons each) using a single 60-ton mobile crane. Concurrently, Volume 7 pipeline interfaces confirm that active gas and water backbones run directly underneath the bridge approach embankment structures

Clarification Request: Due to strict third-party utility safety clearances, a heavy 60-ton crane cannot position itself on the subgrade until all gas/water rerouting operations are complete. If beam delivery from the factory occurs during utility grid delays, the Contractor will be forced to discharge, double-handle, and temporarily stockpile these 10.775-ton beams inside a temporary depot area. Please clarify if the secondary crane tracking and logistical double-handling costs are considered completely incidental to Item 27.

Answer

The reference in the request does not correspond to the relevant structure. Item 27 referred to in the Detailed List of Quantities relates to the bridge at PC 138+80, not to the bridge at PC 143+67.

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information. The BOQ incorporates the final quantities for implementation of the Works in accordance with the Bidding Documents and the applicable contractual requirements.

No gas or water supply networks are located in the immediate vicinity of the bridge at PC 138+80. Therefore, the utility-related constraint described in the request, requiring mandatory temporary storage and double-handling of the prestressed beams, is not identified in the issued design.

The Bidder shall establish its construction methodology, delivery sequence, lifting operations and temporary storage arrangements as necessary for execution of the Works. Any associated handling, lifting, storage, plant and logistical costs shall be included in the relevant BOQ rates and prices in accordance with the BOQ Preamble and the Contract.

Question 27

Inadequate Work-Rate Volumetric Compensation for Three-Fold Repetition of Temporary Piling Platforms

- **Context:** Volume 1, Book 4, Page 3 (Item 8) details the deployment of precast reinforced concrete slabs (3.0 × 1.5 × 0.22m, total volume 11.88 m³) to construct a stable operating platform for the heavy piling rig. The description strictly enforces a cyclic rotation note: *"(Repetare - 3 ori)"* (Repetition - 3 times).

Clarification Request: While the operational scope requires assembling, dismantling, and tracking these heavy 2.475-ton concrete blocks three consecutive times across different piling positions, the BoQ quantity remains fixed at a single flat volume of 11.88 m³. Please explicitly confirm if the auxiliary crane hours, labor hours, and breakage ratios for the 3-fold physical cycle are built into the unit rate, or if the billing quantity will be re-measured based on total multi-staged handling (11.88 m³ × 3 = 35.64 m³).

Answer

The 11.88 m³ quantity referred to by the Bidder is indicated in Volume 1, Book 4, Page 3 (Item 8) of the Detailed List of Quantities and does not constitute a separate quantity for measurement and payment under the Bill of Quantities (BOQ).

The precast reinforced concrete slabs referred to in the Detailed List of Quantities are associated with the temporary technological access/working road required for the piling operations. The provision, installation, dismantling, relocation and repeated use of these slabs, including all associated handling, transportation, lifting operations, labour, plant and other necessary resources, are included in the unit rate for BOQ Item 40201 – Driven Reinforced Concrete Piles.

Accordingly, the 11.88 m³ quantity is not separately measured or certified for payment, and it shall not be multiplied by the three reuse cycles to 35.64 m³. The three-fold repetition identified in the Detailed List of Quantities represents the anticipated reuse of the temporary slabs during execution of the piling works, and all costs associated with such repeated use shall be included in the unit rate for BOQ Item 40201.

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information.

Question 28

Logistics and Environmental Sourcing of Water for Massive 50% Soil Compaction Specifications

- **Context:** Volume 1, Book 4, Page 7 (Item 62 & 63) requires bridge approach structural backfilling using sand/gravel aggregates. The specification mandates: *"Compactarea... udare cu apă 50%"* (Soil compaction with a mandatory 50% volumetric water-moisture injection).

Clarification Request: Supplying hundreds of tons of water via continuous site tankers to meet this extreme 50% saturation compaction requirement generates major logistical costs. Please clarify whether the Contractor is legally permitted to extract water from the immediate adjacent riverbed free of charge under local environmental laws. If water must be sourced commercially from municipal utility networks, confirm under which BoQ item the commercial procurement and long-distance water haulage costs will be settled.

Answer

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information. The BOQ incorporates the final quantities for implementation of the Works in accordance with the Bidding Documents and the applicable contractual requirements.

The cost of obtaining, transporting, handling and using water required for the execution of the Works shall be included in the relevant unit rates of the BOQ.

The Contractor shall obtain water from legally permitted and approved sources in accordance with the applicable legislation and the Contract requirements.

Accordingly, no separate BOQ item or additional payment shall be made for water supply or water haulage.

Question 29

Risk of Total Destruction of Project Benchmark Network Placed on Existing Electric Poles Slated for Demolition

- **Context:** Attachment 2, Pages 34-36 (Lista punctelor de reper) explicitly identifies that the absolute elevation reference network (Baltic System / MOLDREF 99) for the entire project is tied to specific local landmarks, defined systematically as existing reinforced concrete power poles (*stilp din beton armat / Armatura*) (e.g., Benchmarks c24p43, c24p44, etc.). However, Volume 4 and Volume 5 designs explicitly mandate the complete removal and demolition of these exact existing power poles (*demontarea pilonilor existenți*) during the utility relocation phase.

Clarification Request: This represents an extreme structural risk for the project's survey baseline. As soon as utility clearance works begin, the physical reference benchmarks for road levels, cross-sections, and bridge foundations will be permanently destroyed on-site. Could the Employer please clarify whether a brand-new, secured, subsurface concrete benchmark network (outside the road footprint) will be established and handed over by the Employer prior to site handover? If the Contractor is required to re-survey and re-establish the entire geodetic baseline from scratch, under which BoQ item will this specialized work be certified?

Answer

In accordance with the Conditions of Contract, the Right of Access to the Site shall be provided in accordance with Sub-Clause 2.1 [Right of Access to the Site].

Following the handover of the Right of Access to the Site, the existing project benchmark network shall be handed over to the Contractor by the Engineer's Surveyors, together with the corresponding handover record, in accordance with Sub-Clause 4.7 [Setting Out].

Based on the benchmark network handed over by the Engineer, the Contractor shall establish and densify the survey control network as required for the execution of the Works.

Accordingly, the Contractor is not required to establish a completely new geodetic reference network from scratch. The survey works necessary to establish and densify the control network for construction purposes shall be carried out in accordance with the Contract and shall be included in the Contractor's obligations.

Question 30

Contradiction Between Satellite GNSS RTK Ground Measurements and Classical Spirit Leveling Tolerances

- **Context:** Attachment 2 of the Topographical Survey Report states that coordinates and elevation data were captured using GNSS GPS satellite technology in Real-Time Kinematic (RTK) mode tied into the MOLDPOS national grid. Concurrently, the specifications mandate structural check loops enforcing classical geometric closed-loop leveling tolerances (\($f\beta = 20″ \sqrt{n}\)).

Clarification Request: Satellite measurement profiles (RTK GNSS) often generate vertical altimetric floating errors of ± 3-5 cm compared to double-run optical spirit leveling. In large earthworks projects, a 5-centimeter floating grid shift creates severe distortions in calculated payment volumes. Please clarify definitively which surveying method will serve as the contractually binding priority for validating the joint 'Original Ground Level' (OGL) cross-sections.

Answer

The premise of the request is not applicable to the topographical survey used for the preparation of the design.

The topographical survey was carried out using a Total Station (TC 407). Accordingly, the survey accuracy achieved does not exceed 1–2 cm.

The Contractor shall perform all construction surveys, setting out and verification surveys in accordance with the Conditions of Contract, the Technical Specifications and the requirements of the Engineer.

Question 31

Degradation Risks of Historical 2018 Roadside Reference Markers Classified as Loose Metal Rods

- **Context:** Topographical Survey Report (Page 9) notes that the original benchmark survey network was established in 2018. The official coordinates catalog on Pages 15 and 16 reveals that the majority of these benchmarks consist of temporary "vergea metalică" (slender metallic reinforcing bars driven into agricultural shoulders).

Clarification Request: Given that these loose metallic rods have been exposed to seasonal soil swelling, winter frost heaves, and agricultural heavy machinery collisions for eight years, their baseline elevations are likely distorted. Please confirm if the Contractor is permitted to establish an entirely new, concrete-cast geodetic reference loop upon site handover. Under which specific BoQ item will the Contractor be reimbursed for executing this mandatory net stabilization survey?

Answer

The Bidder's concern regarding the condition of the reference points established in 2018 is noted. However, as stated in Section 3.2 of the Topographical Survey Report, the geodetic reference network originally established by INGEOCAD in 2018 was subsequently surveyed and examined, and repeat measurements of the coordinates and elevations of the reference points were carried out using Leica Viva GPS equipment. The Topographical Survey Report confirms that the reference points were found to be in good condition and suitable for use in the topographical and geodetic works.

The updated survey information is reflected in the topographical/geodetic documentation dated 01.11.2023, including Annex 4, which contains the traverse data and the list of reference points with their coordinates.

Following the provision of the Right of Access to the Site and the Construction Permit, the available benchmarks/reference points will be formally handed over to the Contractor by the Employer, together with the Designer and in the presence of the Engineer, in accordance with the Contract.

The Contractor shall verify the handed-over benchmarks/reference points before relying upon them for setting out. Where any individual benchmark is found to be inaccurate, disturbed or otherwise compromised, the Contractor shall verify and re-establish the survey control from available uncompromised benchmarks/reference points, subject to the Engineer's agreement.

The Contractor is permitted and required to establish and densify new stable Reference Points (RPs), as necessary for execution of the Works, tied and adjusted to the verified survey control network. Accordingly, the establishment of an entirely independent reference network unrelated to the verified existing control is not required.

The costs associated with verification, establishment, re-establishment and densification of the survey control network are included in the relevant BOQ items covering surveying/geodetic works. No separate BOQ item or additional payment is provided for these activities.

Question 32

Grid Relocation Restrictions Mandating Execution Only in Warm Periods vs. Site Handover Timelines

- **Context:** Volume 7, Technical Conditions No. 012/24, Clause 9 issued by SRL IMAS COMPANY strictly enforces: *"...to plan and execute the rearrangement works of gas pipelines only during the warm period of the year (until the beginning or after the end of the heating season)."*

Clarification Request: Since the gas distributor prohibits any intervention or network shutdown during the winter heating season, if the official Site Handover occurs during late autumn or winter, the Contractor will be physically unable to execute these pre-conditioned gas line relocations. Please confirm that in such an event, the Contractor will be fully entitled to a non-penalizable Extension of Time (EoT) and recovery of all associated prolongation/standby costs for idle machinery under FIDIC conditions.

Answer

The Contractor shall plan in its Programme the Works in such a sequence as the connection to the existing gas network to be carried out outside the heating season, in accordance with the applicable Technical Conditions issued by the utility operator.

Any entitlement relating to an Extension of Time (EOT), additional payment or other contractual remedies shall be governed by the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Question 33

Omission of BoQ Pricing for Mandatory 100% NDT (X-Ray/Röntgen) Quality Testing Under Asphalt Road Footprints

- **Context:** Volume 7 Design Report explicitly states that due to high seismic (8 degrees) and highway load risks, welded joints for underground gas pipelines laid beneath the asphalt road pavement must undergo one hundred percent **100%**) non-destructive testing (NDT) via physical methods.

Clarification Request: Performing 100% physical NDT/Röntgen inspections on high-pressure (0.6MPa) and medium-pressure (0.3MPa) steel/PE pipeline joints requires certified third-party laboratory services. However, no specialized testing item is provided within the Bills of Quantities. Please confirm whether the cost for 100% NDT testing is considered incidental to the pipe laying rates or if the Employer will issue a dedicated payment line for specialized pipeline quality testing.

Answer

The mandatory inspections and testing required for the gas pipeline works, including the specified 100% non-destructive testing (NDT), are deemed to be included in the corresponding unit rates of the relevant Bill of Quantities (BOQ) items.

Accordingly, no separate BOQ item or additional payment shall be made for such inspections and testing.

Question 34

Contractual Guarantee of Open-Cut Method for Aqueduct Crossings vs. Forced Trenchless Overruns

- **Context:** Volume 7 (External Water Supply Explanatory Memo) explicitly mandates: *"Road crossings and aqueduct relocations are planned using the open method until the road works are carried out"* and *"The network construction-installation works must anticipate the road works."*

Clarification Request: Given the high unpredictability of securing local water authority clearances, if delays in utility approvals force the road construction to proceed ahead of the aqueduct installation, please confirm that the Contractor will not be forced to execute expensive directional horizontal drilling (HDD / Pipe Jacking) at its own expense. Will the right to perform open-cut trenching on the corridor be contractually guaranteed for all crossings (PC 142+0.0, PC 142+08.3, and PC 195+79.7)?

Answer

The relocation and diversion of utility networks shall be carried out in accordance with a pre-established implementation schedule and in coordination with the respective utility owners.

The sequence of the utility relocation works is planned to precede the corresponding road works, thereby avoiding conflicts between utility relocation and road construction activities.

The Works shall be executed in accordance with the issued design, the approved implementation schedule and the Conditions of Contract.

Question 35

Omission of BoQ Pricing for Mandatory Manual Earthworks within Utility Intersection Zones

- **Context:** The Aqueduct Longitudinal Profiles and Layout Plans explicitly dictate within red-bordered emergency warnings next to active gas and telecom lines: *"The earthworks are performed manually / Lucrările de terasament se efectuează manual."*

Clarification Request: Executing deep trench excavations manually drastically increases labor costs and slows down the daily progress cycle compared to the mechanical excavation rates built into the general BoQ. Please clarify if a dedicated, higher-priced unit rate item for "Manual Excavation in Utility Zones" will be incorporated into the BoQ, or confirm if the Contractor is expected to absorb this highly intensive cost within standard machine rates.

Answer

The requirement for manual excavation indicated in the Aqueduct Longitudinal Profiles and Layout Plans in Volume 7 applies to excavation in the immediate vicinity of existing utility networks, where manual working is required to prevent damage to the existing infrastructure. The remaining

excavation works may be carried out mechanically, subject to the Drawings, Technical Specifications and actual site conditions.

Manual excavation in the vicinity of existing utilities forms part of the relevant utility relocation works and is not established as a separate measurement and payment item in the Bill of Quantities (BOQ).

Accordingly, the Employer will not introduce a separate BOQ item for “Manual Excavation in Utility Zones.” The costs associated with manual excavation required by the Drawings shall be included in the unit rates of the respective utility relocation and associated works under Bill No. 800 – Utility Relocation Works, as applicable.

The relevant unit rates shall therefore include all excavation methods, labour, plant and other resources necessary for proper execution of the utility relocation works in accordance with the Drawings and Technical Specifications, including manual excavation where required for the protection of existing utilities.

Question 36

Regulatory Permits, Shutdown Approvals, and Environmental Disposal of Dismantled Pipelines

- **Context:** The Infrastructure Equipment Specifications require the Contractor to dismantle 100 linear meters of active Ø90 water lines and perform critical live tie-in connections (*Conexiunea Ø90*).

Clarification Request: Please clarify if the written shut-off permissions, community notices, and operational coordination with 'Apă-Canal' will be fully obtained and managed by the Employer. Furthermore, if the existing older pipelines are discovered to contain hazardous asbestos-cement, under which BoQ item should the Contractor bill the environmental remediation, containment haulage, and specialized licensed dumping fees?

Answer

The permits, notifications and operational coordination required for the relocation of utility networks shall be carried out in coordination with the respective utility owners in accordance with the pre-established implementation schedule.

According to the topographical survey and the issued design documentation, the existing water supply networks are constructed from PE pipes.

Accordingly, the scenario described in the request regarding the presence of asbestos-cement pipelines is not applicable to the issued design. Should existing pipelines of another material (e.g. steel) be encountered during the execution of the Works, they shall be handled and disposed of in accordance with the applicable legislation and the Contract requirements.

No additional BOQ item is required.

Question 37

Discrepancy in Measurement Units for 0.4 kV Overhead Line Wires (Volume 4, Pages 27 and 28)

- **Context:** In the 0.4 kV BOQ summary for Sector 3 (Page 27, Item 2), the quantity for hanging the 5 A-50 overhead wires is specified as **800 meters**. However, the Equipment Specification on Page 28 (Item 12) explicitly lists the required volume for the bare aluminum wire (A 50) as **4,000 meters** (reflecting 5 conductors multiplied by 800 meters of route length).

Clarification Request: To prevent major billing underpayments during the execution phase, could the Employer please explicitly confirm the exact measurement and payment methodology for Item 2 on Page 27? Will this item be certified based on "Linear Route-Meters" (800 m) with the wire pricing fully built into the unit rate, or will it be measured based on total "Conductor-Meters" executed on-site (4,000 m)?

Answer

The item shall be measured and certified based on the linear route length (800 m).

The cost of all five conductors, including the required quantity of conductor wire, shall be deemed to be included in the corresponding unit rate.

Accordingly, measurement and payment shall not be based on the total installed conductor length (4,000 m), and no additional measurement or payment shall be made on that basis.

Question 38

Right-of-Way Access and Compensation Disputes within Private Residential Footholds (0.4 kV System)

- **Context:** Distribution lines directly intercept village residential zones (*localități*). The Urban Planning Certificate explicitly lists access provisions targeting residential households (*gospodăriile proprietătorilor*) and auxiliary properties.

Clarification Request: Securing permission, legal access, and resolving property destruction disputes within private home gardens and domestic boundaries is a high-risk operational task. Please confirm that the Employer will assume full legal and financial responsibility for acquiring all property-owner consents and paying any compensation for crop or structural damage before directing the Contractor to install the CB 105 concrete poles inside residential properties.

Answer

The premise of the request is not applicable to the issued design.

The distribution lines do not cross private properties, and the CB 105 concrete poles are not designed to be installed within private residential properties.

Accordingly, the circumstances described in the request do not arise under the issued design.

Question 39

Utility Operator Advance Payment Mandate vs. Contractor Cash-Flow Restrictions

- **Context:** Volume 4 (Aviz de Racordare issued by Premier Energy Distribution S.A.) explicitly mandates: *"The operator will realize the design and rearrangement works... directly after the advance payment of the costs by the applicant."*

Clarification Request: Since these grid relocation costs must be settled via a 100% upfront cash payment to Premier Energy before any work can proceed, please clarify if the Employer will settle these utility invoices directly with the operator in advance. If the Contractor is forced to finance these massive upfront payments from its own working capital, under which BoQ item will the Contractor be compensated for these financing costs?

Answer

The premise of the request is not applicable. Provision addressed will only apply if the contractor will opt for such relocation works to be performed by the Premier Energy Distribution S.A.

However, the issued design does not require that the utility relocation works be carried out exclusively by Premier Energy Distribution S.A., while the bidding document does not contain any assumption that the relocation to be implemented by the said operator.

Accordingly, no amendment to the Bill of Quantities (BOQ) or to the payment provisions of the Contract is required in this respect.

Any arrangements for the execution of utility relocation works shall be carried out in accordance with the issued design, the applicable requirements of the utility owner and the Conditions of Contract.

Question 40

Omission of BoQ Pricing for Mandatory Utility Trial Pits and Design Corrections

- **Context:** Volume 4 (General Data) explicitly requires: *"Prior to the start of construction and installation works, there shall be performed trial pits to determine the horizontal and vertical position of existing utilities... To make corrections to the Design, if necessary."* Furthermore, it states that current design positions on the road plans are merely conventional.

Clarification Request: There is currently no entry in the Bill of Quantities for the excavation, backfilling, and reinstatement of these mandatory trial pits. Please clarify under which item this exploratory work will be paid. Furthermore, if the trial pits reveal that the actual utility paths deviate from the design, requiring formal design corrections and re-submission to Premier Energy, please

confirm that the resulting standby time for Contractor labor and heavy piling machinery will be fully compensated under FIDIC Clause 12.

Answer

Prior to the commencement of the utility relocation works, the Contractor shall secure attendance of the respective utility owners at the Site in order to identify and verify the location of the existing utility networks.

The verification of existing utilities, including any trial pits required for this purpose, shall be carried out in coordination with the relevant utility owners and in accordance with the issued design and the applicable utility requirements.

Any contractual entitlement relating to design modifications, additional payment or an Extension of Time (EOT) shall be governed by the Conditions of Contract (FIDIC, Second Edition 2017, Reprinted 2022), including the Particular Conditions of Contract (PCC), and the other Contract Documents.

Secure attendance **Question 41**

Omission of Benching (Step Cutting) Excavation Volumes Under Road Earthworks Quantities

- **Context:** Volume 2 Road Cross-Section drawings clearly show that during lane widening over existing embankments, structural step cutting/benching is technically required under the new fill areas to ensure slope stability, adequate compaction, and prevent slippage interfaces.

Clarification Request: Please clarify whether a dedicated BoQ item exists for the measurement and payment of "Step Cutting" volumes. If no separate item is provided, please confirm whether these benching excavation volumes will be measured and paid under the general "Excavation to Embankment" items or if they are considered completely incidental to the earthworks section of the Bill of Quantities.

Answer

No separate BOQ item is provided for the measurement and payment of benching (step cutting).

The excavation associated with benching shall be measured and paid under the relevant general earthworks BOQ items, as applicable.

The cost of forming the benches (step cutting) required for the construction of the embankments shall be deemed to be included in the corresponding unit rates. Accordingly, no separate measurement or additional payment shall be made for this activity.

Question 42

Omission of Soil Electrical Resistivity Testing and Magnesium Anode Supply from Gas Infrastructure Lines

- **Context:** Volume 7, Page 190 (Cathodic Protection Section) mandates that the Contractor must perform extensive on-site soil electrical resistivity testing every 100 meters and supply sacrificial anodes to counter corrosion hazards under the active highway footprint.

Clarification Request: Since neither the Wenner four-point resistivity testing procedures nor the raw procurement of sacrificial magnesium anodes (*anod de magneziu*) are quantified inside the specialized Gas BoQ lines, please clarify if these corrosion control assets must be built into general line-laying rates or if a separate admeasurement line will be created.

Answer

The premise of the request is not applicable to the issued design.

The project does not include a cathodic protection system for the gas pipeline. Accordingly, no soil electrical resistivity testing or sacrificial magnesium anodes are required.

The above-ground gas pipeline shall be protected by the coating system specified in the design documentation.

Therefore, no separate BOQ item or additional payment is applicable in this respect.

Question 43

Omission of Mandatory Concrete Cable Inspection Manholes (Cămin de Vizitare) from Telecommunication BoQ

- **Context:** Volume 6, Page 141 incorporates extensive backbone fiber optic cable splicing operations (*Montarea cuplajului pe cablul FO*). According to S.A. Moldtelecom technical criteria, these splice junctions must be physically housed inside protected concrete manholes and cannot be direct-buried.

Clarification Request: Bidders note that no standalone item or material line exists within the telecommunication BoQ lines for the construction, excavation, and structural reinforcement of these concrete inspection manholes (*Cămin de vizitare*). Please clarify where these mandatory network protection assets should be priced.

Answer

The premise of the request is not applicable to the issued design.

The installation of concrete inspection manholes for the fibre optic cable splices is not mandatory. In accordance with the issued design, the fibre optic cable joints may be installed in a trench.

Accordingly, no separate BOQ item for concrete inspection manholes is required.

Question 44

Omission of Structural Concrete Foundation Material Quantities for Street Lighting Poles

- **Context:** Volume 5, Page 11 structural assembly details blueprint a mandatory cast-in-place concrete foundation block (0.5 × 0.5 × 1.2m) underneath every single CB 105 pole to satisfy structural wind-load safety guidelines.

Clarification Request: While the structural design enforces concrete casting beneath all standard pilon setups, the street lighting BoQ strictly restricts its pricing line to vertical pole erection, entirely leaving out the concrete mass and formwork volumes. Bidders request the Employer to incorporate a dedicated structural concrete line for lighting pole bases to prevent execution shortfalls.

Answer

The unit rate for the pole indicated in the Bill of Quantities (BOQ) includes all materials, labour and works necessary for its complete installation in accordance with the issued design.

Accordingly, the concrete foundation, formwork, excavation, backfilling and all other ancillary works required for the installation of the pole shall be deemed to be included in the corresponding unit rate.

Therefore, no separate BOQ item or additional payment is required for the concrete foundation of the pole.

Question 45

Ambiguity Regarding Lump-Sum Incidental Risks for Crushed Stone Base Course within Temporary Bypass Footprints

- **Context:** While the main alignment structural quantities measure the "Crushed Stone Base Course (0-63mm)" under progressive admeasurement volumetric units, the administrative provisions for Section 1.9 (Temporary Bypass Roads) imply that the aggregate bases are consolidated as a flat Lump-Sum obligation within the Contractor's general mobilization layout.

Clarification Request: Bidders request the Employer to confirm definitively whether the Crushed Stone Base Course executed for the 1,713 linear meters of mandatory temporary bypass roads will be measured and verified on-site for actual executed volumes (m^3) under progressive admeasurement principles, or if the Contractor must price this massive aggregate procurement as a non-adjustable Lump-Sum incidental risk.

Answer

In accordance with the Technical Specifications and the Conditions of Contract, the crushed stone base course for the temporary bypass roads shall be measured progressively on Site based on the actual quantities executed.

Accordingly, the works shall not be treated as a non-adjustable lump-sum incidental obligation. Measurement and payment shall be based on the actual quantities executed and certified by the Engineer in accordance with the Contract.

Question 46

Clarification of Metrological Settlement Criteria for Compaction and Shrinkage Deficits in Embankment Fill

- **Context:** The Technical Specifications for Earthworks dictate that payment for Embankment Fill will be certified based strictly on net geometric cross-sections profiles completed and measured on-site.

Clarification Request: Since the raw row materials systematically require a 25% to 30% compaction/shrinkage deficit factor during rolling operations, please confirm that the Contractor is contractually permitted to build this unavoidable volumetric deficit directly into the BoQ unit rate pricing structures to ensure full commercial recovery.

Answer

The Bidder shall include in the unit rates all costs necessary for the execution of the embankment fill works, including all losses, compaction, shrinkage and other factors required to achieve the specified finished geometry and quality.

Measurement and payment shall be carried out in accordance with the Technical Specifications, the Bill of Quantities (BOQ) and the Conditions of Contract, based on the actual quantities measured and certified by the Engineer.

Accordingly, no separate adjustment or additional payment shall be made for compaction or shrinkage effects, as these shall be deemed to be included in the corresponding unit rates.

Question 47

Request for Thickness Overrun Tolerances under Granular Subbase Course Admeasurement Certification

- **Context:** Typical cross-section blueprints define fixed granular subbase layers (20 cm / 25 cm), while the quality control manual enforces rigid thickness limits (-5 mm to +10 mm).

Clarification Request: Due to unavoidable localized subgrade grade profile roughness during grader work, executing a precise mathematical layer line is physically impossible. Bidders request confirmation that any structural material thickness overruns will be measured and paid up to a maximum capping ceiling of +15 mm based on joint on-site verified surveys, preventing arbitrary payment rejections for minor aggregate surpluses.

Answer

The granular subbase works shall be executed in accordance with the Technical Specifications, including the requirements of NCM D.02.38:2025, and the other applicable Contract Documents.

The quality assessment, acceptance, measurement and payment of the completed works shall be carried out in accordance with the Technical Specifications, including Annex A of NCM D.02.38:2025, and the Conditions of Contract.

Accordingly, the applicable execution tolerances, acceptance criteria and measurement requirements shall be those specified in the Contract Documents. No alternative tolerances or payment criteria shall apply.

Question 48

Conflict in Commercial Measurement Units for Asphalt Structural Layer Operations (m² Surface Area vs. Certified Tonnage Scale)

- **Context:** The Bills of Quantities structure the pricing lines for Asphalt Binder and Asphalt Wearing courses exclusively under surface area "m²" parameters, whereas the Quality Assurance code demands continuous weighbridge scale certification (Weighbridge Tonnage Tickets) for site material acceptance.

Clarification Request: Please clarify if the Contractor will be contractually compensated based on actual verified delivery weights (Tons) converted through core-sample density factors in the event that localized subgrade profile roughness or leveling layer irregularities trigger inevitable asphalt tonnage consumption overruns beyond the theoretical design area thicknesses.

Answer

The unit of measurement and payment for the asphalt binder course and asphalt wearing course shall be square metres (m²), as specified in the Bill of Quantities (BOQ).

The quantity of asphalt mixture in tonnes shall be determined in accordance with the achieved degree of compaction of the asphalt mixture, which shall be not less than 0.99, as required by the Technical Specifications. Weighbridge tickets and tonnage records are intended for production and quality control purposes and do not constitute the basis for measurement and payment.

Accordingly, measurement and payment shall be carried out in accordance with the BOQ and the Contract Documents, using the contractual unit of measurement specified for the relevant BOQ item.

Question 49

Item 10315 - Bill No. 100 – Preparatory Works *Demolition of underground pipeline*

The BoQ item does not specify the pipe diameter, the pipe material, or the approximate depth of laying. These parameters are required to price the excavation, dismantling and disposal correctly. Please provide the diameter, material and approximate depth of the existing underground pipeline, or the relevant drawing reference.

Answer

The information available at the design stage regarding the existing underground pipes/culverts to be demolished is provided in the Detailed List of Quantities, which was included in the Bidding Documents as supplementary supporting information to provide Bidders with the detailed breakdown underlying the corresponding BOQ quantities.

For each road section, the respective Detailed List of Quantities includes tables identifying the existing pipes/culverts by their exact location (chainage), dimensions and length. For example, for Road G132, Section 2, reference shall be made to Volume 1, Book 3 – G132 Section 2, page 15 of the PDF, where the existing pipes/culverts are listed with their exact location (chainage), dimensions and length, including Ø1.0 m pipe culverts and 1.0 × 1.2 m box culverts.

Bidders shall use the information provided in the Detailed List of Quantities as the common available basis for assessing the characteristics of the existing structures and pricing Item 10315 – Demolition of Underground Pipeline.

Where certain characteristics, such as material or depth, are not identified in the issued documentation, they shall be verified on site during execution prior to demolition.

For the purpose of bidding, the Bill of Quantities (BOQ) shall be used as the basis for pricing and shall govern in the event of any discrepancy between the BOQ and the Detailed List of Quantities. The Detailed List of Quantities is provided as supplementary supporting information.

Question 50

Bill No. 200 – Earthworks (Execution of the Earthworks) *Execution of the earthworks*.
To price the supply of suitable fill material and the haulage component of the earthworks, Bidders need the location and haul distance of the approved borrow pits (soil quarries). Please provide the designated borrow pit locations and the average haul distance to the Site.

Answer

The issued design does not provide for the use of borrow pits for the construction of the embankments.

The material obtained from the excavation works (cut sections) is sufficient for the construction of the embankments in accordance with the design.

Accordingly, no designated borrow pit locations or haul distances are applicable.

Question 51

Bill No. 300 – Pavement ***Pavement (supply of aggregates)***
The unit rates for the base courses, asphalt mixtures and other pavement layers depend heavily on the transport cost of aggregates and crushed stone. Please provide the location and average haul distance of the approved quarries for inert / aggregate materials serving the Project.

Answer

For the purpose of preparing the design and cost estimate, the project was based on the assumption that construction materials would be supplied from sources located in reasonable proximity to the Site.

The Contractor shall be responsible for selecting the sources of aggregates and other construction materials required for the Works, subject to compliance with the Technical Specifications, the Conditions of Contract, and the approval requirements of the Engineer.

Accordingly, no designated quarries or haul distances form part of the Contract Documents.

Question 52

Bill No. 400 – Bridges and Overpasses *Bridges and overpasses*
The Bidding Documents do not appear to include the bridge drawings necessary for accurate pricing. To price the reinforced concrete, piling and superstructure works precisely, Bidders require the bridge drawings, including pile types and dimensions, span beam types and reinforcement details. Please provide the complete set of bridge design drawings.

Answer

The complete set of bridge design drawings forms part of the Bidding Documents and has been made available to all Bidders.

The bridge drawings include the information necessary for the preparation of the Bid, including the relevant structural details, dimensions and reinforcement required by the design.

Accordingly, no additional bridge drawings will be issued.

Question 53

Bill No. 800 – Engineering Services *Construction of complete shelter for bus stop as shown on drawings, including all ancillary work*

The item refers to a bus-stop shelter “as shown on drawings”, but the corresponding drawings do not appear to be included in the Bidding Documents. Please provide the bus-stop shelter drawings (type, dimensions, materials and foundation details) required to price this item accurately.

Answer

The drawings required for the construction of the bus stops, including the bus shelters, form part of the Bidding Documents.

They are included in:

- Lot 1: *Volume 3.1.1 – Road Works, G132*, pages 68–85; and
- Lot 2: *Volume 3.1.1 – Road Works, G131, S1.1*, pages 123–140.

Question 54

Bill No. 100 – Preparatory Works *Demolition of underground pipeline*
The BoQ item does not specify the pipe diameter, the pipe material, or the approximate depth of laying. These parameters are required to price the excavation, dismantling and disposal correctly. Please provide the diameter, material and approximate depth of the existing underground pipeline, or the relevant drawing reference.

Answer

The characteristics of the existing underground pipelines, including their diameter and depth of installation, may vary depending on the location.

Where such information is not available from the issued design documents, the actual diameter, material and depth of the existing pipeline shall be determined during the execution of the Works.

Measurement and payment shall be carried out in accordance with the Bill of Quantities (BOQ), the Technical Specifications and the Conditions of Contract, based on the actual works executed and certified by the Engineer.

Question 55

Bill No. 200 – Earthworks (Execution of the Earthworks) *Execution of the earthworks*

To price the supply of suitable fill material and the haulage component of the earthworks, Bidders need the location and haul distance of the approved borrow pits (soil quarries). Please provide the designated borrow pit locations and the average haul distance to the Site.

Answer

The issued design does not provide for the use of borrow pits for the construction of the embankments.

The material obtained from the excavation works (cut sections) is sufficient for the construction of the embankments in accordance with the design.

Accordingly, no designated borrow pit locations or haul distances are applicable.

Question 56

Bill No. 300 – Pavement *Pavement (supply of aggregates)*
The unit rates for the base courses, asphalt mixtures and other pavement layers depend heavily on the transport cost of aggregates and crushed stone. Please provide the location and average haul distance of the approved quarries for inert / aggregate materials serving the Project.

Answer

Design and cost estimate were prepared based on the assumption that construction materials would be supplied from sources located in reasonable proximity to the Site.

The Contractor shall be responsible for selecting the sources of aggregates and other construction materials required for the Works, subject to compliance with the Technical Specifications, the Conditions of Contract, and the approval requirements of the Engineer.

Accordingly, no designated quarries or haul distances form part of the Contract Documents.

Question 57

Bill No. 400 – Bridges and Overpasses *Bridges and overpasses*

The Bidding Documents do not appear to include the bridge drawings necessary for accurate pricing. To price the reinforced concrete, piling and superstructure works precisely, Bidders require the bridge drawings, including pile types and dimensions, span beam types and reinforcement details. Please provide the complete set of bridge design drawings.

Answer

The complete set of bridge design drawings forms part of the Bidding Documents and has been made available to all Bidders.

The bridge drawings include the information necessary for the preparation of the Bid, including the relevant structural details, dimensions and reinforcement required by the design.

Accordingly, no additional bridge drawings will be issued.

Question 58

Bill No. 800 – Engineering Services *Construction of complete shelter for bus stop as shown on drawings, including all ancillary work*

The item refers to a bus-stop shelter “as shown on drawings”, but the corresponding drawings do not appear to be included in the Bidding Documents. Please provide the bus-stop shelter drawings (type, dimensions, materials and foundation details) required to price this item accurately.

Answer

The drawings required for the construction of the bus stops, including the bus shelters, form part of the Bidding Documents.

They are included in:

- Lot 1: Volume 3.1.1 – Road Works, G132, pages 68–85; and
- Lot 2: Volume 3.1.1 – Road Works, G131, S1.1, pages 123–140.

Accordingly, no additional drawings are required for the preparation of the Bid.

Question 59

Lot 1. 1. EARTHWORKS & GEOSYNTHETICS (Bill No. 200)

1.1. Discrepancy between Geotextile and Geogrid (Item 90105.1):
In Bill No. 200 (Earthworks), Item 90105.1 specifies the installation of Geotextile Type 2 (Tc - 100kN/m). However, according to Volume 3.1.1. Road Works G132, drawings no. 24 and 33, the soil reinforcement is indicated to be executed using Geogrid Tc-min 100 kN/m. Please clarify which material type (Geotextile or Geogrid) shall be priced and implemented.

Answer

For Bill No. 200, Item 90105.1, the required material shall be Geogrid with a minimum tensile strength of 100 kN/m, as shown on Volume 3.1.1 – Road Works G132, Drawings No. 24 and 33.

Accordingly, the reference to Geotextile Type 2 (Tc – 100 kN/m) in the BOQ shall be considered a drafting error.

The material shall be priced and implemented as Geogrid Tc-min 100 kN/m, in accordance with the issued drawings and the Technical Specifications.

Please refer to Amendment No.6 to the Request for Bids, dated September 10, 2026, for the revised BoQ.

Question 60

Lot 1. 1. EARTHWORKS & GEOSYNTHETICS (Bill No. 200)

1.2. Tree Planting Specifications (Item 20501):
In Bill No. 200, under Shaping and Planting of Slopes and Excavated Surfaces, Item 20501 specifies Planting of trees (60.00 pcs / 300.00 pcs). Please provide the minimum technical specifications required for these trees (e.g., species type, minimum height, root ball requirements).

Answer

The tree planting works under Item 20501 shall comply with Chapter 205 – Planting of Trees and Shrubs of the Technical Specifications, as well as the applicable requirements of NCM D.02.01:2024, CP D.02.29:2023 – Roads and Bridges: Architectural and Landscape Design of Roads, CP D.02.30:2023 – Roads and Bridges: Environmental Protection Regulations for the Design, Construction, Modernization, Rehabilitation and Maintenance of Roads, and the Environmental and Social Management Plan (ESMP).

The applicable requirements for the minimum planting size/height, root system/root ball and other planting conditions shall be in accordance with CP D.02.29:2023 and Chapter 205 of the Technical Specifications.

For the purpose of the Works, the tree species shall be poplar and/or willow, as appropriate to the respective road section, planting location and local site conditions.

The Contractor shall prepare the dendrological planting plan, indicating the proposed species and their distribution by location, taking into account the characteristics of each site, the applicable environmental and landscaping requirements, the ESMP, and the quantities specified in the BOQ. The dendrological planting plan shall be submitted to and approved by the Engineer prior to the commencement of the tree planting works.

The quantities to be priced by Bidders are those specified under BOQ Item 20501 – Planting of Trees.

Question 61

Lot 1. 1. EARTHWORKS & GEOSYNTHETICS (Bill No. 200)
1.3. Hauling Distance for Demolition Materials:
Please specify the exact hauling/transport distance required for the recoverable materials resulting from demolition works to their designated disposal or storage site.

Answer

The milled asphalt material shall be transported to an asphalt mixing plant for recycling.

The remaining recoverable materials shall be transported to temporary storage or disposal locations established in accordance with the Technical Specifications, the applicable environmental requirements and the necessary agreements with the competent local authorities, where applicable.

The establishment and operation of temporary storage areas shall be the responsibility of the Contractor.

Accordingly, no fixed hauling distance is specified in the Contract Documents.

Question 62

Lot 1. 2. DRAINAGE STRUCTURES (Bill No. 500)

2.1. Pellicle for Transversal and Longitudinal Drains (Items 50901.1 & 50901.2):
For both transversal and longitudinal drains, the documentation states that a “Pellicle for directing meteoric and phreatic water to drainage” shall be used. Please provide the full technical specifications and material requirements for this pellicle/membrane.

Answer

For Items 50901.1 and 50901.2, the pellicle shall consist of a polyethylene membrane with a thickness of 0.15–0.20 mm.

The material shall comply with the applicable requirements of the Technical Specifications and be suitable for directing meteoric and groundwater to the drainage system.

Please refer to Amendment No.6 to the Request for Bids, dated September 10, 2026 for material requirements for pellicle/membrane for items No. 50901.1 and 50901.2.

Question 63

Lot 1. 2. DRAINAGE STRUCTURES (Bill No. 500)

2.2. Execution Details for Rectangular Manholes (Item 50503):
In Bill No. 500, under Open Drains, Side Drains, Item 50503 refers to the construction of Rectangular reinforced manholes (123.00 m³ / 18.00 m³). We kindly request you to provide the detailed execution drawings and technical designs applicable to these specific rectangular manholes.

Answer

The reinforced concrete rectangular manholes referred to under BOQ Item 50503 – Rectangular reinforced manholes including all pipe connections to existing ditches, etc., as instructed by the Engineer are rectangular drop structures (drop manholes) associated with specific culverts. Their detailed execution drawings are included in the design documentation for the respective culverts.

The relevant drawing references corresponding to the quantities specified under BOQ Item 50503 are as follows:

- G132 – 123.00 m³: Volume 2, Book 1, Drawings/Sheets 34–42 and 45–50;
- G133 – 18.00 m³: Volume 2, Book 1, Drawings/Sheets 107, 112, 121–122, 131–132, 134–135 and 144.

The above drawings provide the applicable dimensions, reinforcement and construction details for the rectangular drop structures together with the respective culvert arrangements and shall be used for the preparation and pricing of the Bid.

Accordingly, no additional drawings are required for BOQ Item 50503.

Question 64

Lot 1. 3. BRIDGES & CULVERTS (Bill No. 400)
3.1. Missing BOQ Reference for Tubular Culvert (G133):
According to Volume 3.1.2. Road Works, sector G133, drawing sheet no. 146, the “Construction of tubular culvert Ø1.25m at PC 52+73.3” is explicitly shown. Please clarify under which specific item or Bill of Quantities (BOQ) this culvert has been quantified and priced.

Answer

The Employer confirms that the tubular culvert Ø1.25 m at PC 52+73.3 shown on Volume 3.1.2 – Road Works, Road G133, Drawing No. 146 forms part of the scope of the Works.

The omission of the corresponding quantities from the Bill of Quantities for Section 2 – Road G133 is acknowledged.

Accordingly, the Bill of Quantities is amended through the Amendment No.6 to the Request for Bids, dated September 10, 2026, by including the following quantities under Section 2 – Road G133 (km 0+000 – km 14+920):

- Item 50105.3a – Pipe culverts Ø1,250 mm: 16.70 lm

The above Amendment shall form part of the contract documents.

Question 65

Lot 1. 3. BRIDGES & CULVERTS (Bill No. 400)

3.2. Missing BOQ Reference for Pier 1 and Pier 2 (G132):
In Volume 3.4.1. Bridge, sector G132, PC 143+67 (drawings no. 7.1 and 8.1), detailed execution drawings for Pier 1 (Pila 1) and Pier 2 (Pila 2) are presented. Please indicate the exact BOQ items under which the material and labor quantities for these two piers are included.

Answer

The rehabilitation works for Pier No. 1 and Pier No. 2 of Bridge PC 143+67 (Road G132) are included in the Bill of Quantities (BOQ) under the following items:

- Item 40304 – Support benches;
- Item 40306 – Bearings;
- Item 40504 – Waterproofing;
- Item 41501 – Hydrophobization;
- Item 40601A – Bearing devices;
- Item 40112 – Cleaning, cutting and bush-hammering of deteriorated concrete;
- Item 40113 – Sandblasting;
- Item 41301 – Reinforced concrete jacketing.

Accordingly, the rehabilitation works for Pier No. 1 and Pier No. 2 are included in the BOQ under the above-mentioned items, and no additional BOQ items are required.

Question 66

Lot 1. 3. BRIDGES & CULVERTS (Bill No. 400)

3.3. Discrepancy in Guardrail Specifications (Item 41101):
Bridge Deck: Volume 3.4.3 Bridge, sector G133, PC 39+04 (drawing no. 623/2023-LA-2) specifies a safety barrier type H2-A-W4, whereas BOQ Item 41101 lists H2 W3 (30.00 linear meters). Please confirm the final guardrail type to be quoted.

Answer

For Bridge PC 39+04 (Road G133), the required metal safety barrier shall be H2-A-W4, in accordance with the issued design drawings.

Accordingly, the safety barriers shall be provided as follows:

- Bridge deck: H2-A-W4 – 30.00 linear metres;
- Approach embankment: H2-A-W4 – 40.00 linear metres.

The reference to H2 W3 in BOQ Item 41101 shall be considered a drafting error. The safety barrier shall be priced and implemented as H2-A-W4, in accordance with the issued drawings and the Technical Specifications.

Question 67

Lot 1. 3. BRIDGES & CULVERTS (Bill No. 400)

3.3. Discrepancy in Guardrail Specifications (Item 41101):
Bridge Approach (Bill No. 400.2): For sector G133, Item 41101 displays a language necorrelation. The English description states “steel guardrails H2 W3”, while the Romanian text translates to “parapetelor de siguranta [...] H2 W4” (40.00 linear meters). Please clarify which technical standard (W3 or W4) prevails.

Answer

For Bridge PC 39+04 (Road G133), the required metal safety barrier for the bridge approach embankment shall be H2-A-W4, in accordance with the issued design drawings and the Technical Specifications.

Accordingly, the working width class W4 shall prevail.

The reference to H2 W3 in the English description of BOQ Item 41101 shall be considered a drafting error. The safety barrier shall be priced and implemented as H2-A-W4.

Accordingly, Item No. 41101 from Bill No. 400.2 has been amended through Amendment No.6 to the Request for Bids, dated September 10, 2026.

Question 68

Lot 1. 4. UTILITIES & ENGINEERING SERVICES (Bill No. 800)

4.1. Execution Details for Protective Cases (Items 80206.6 & 80206.8):
Under Arrangement of Communication Lines, Items 80206.6 (Protective case diam. 160mm) and 80206.8 (Protective case diam. 244.5mm) require works to be executed as shown on drawings. Please provide the missing technical execution details and cross-sections for these two protective casings.

Answer

The protective cases referred to under BOQ Items 80206.6 and 80206.8 shall be executed in accordance with Chapter 802 – Arrangement of Communication Lines of the Technical Specifications and the relevant drawings included in the issued design documentation.

The specific drawing references are as follows:

- Item 80206.6 – Protective case Ø160 mm: G133, Volume 7 – Gas Supply, Sheets 5 and 8 (PDF pages 28 and 31), and Sheet 1 (PDF page 35), at approximately PC 33+60. The drawings indicate a protective case length of approximately 16.6 m, corresponding to the rounded BOQ quantity of 17.00 linear metres.

- Item 80206.8 – Protective case Ø244.5 mm: G133, Volume 8 – Water Supply, Sheet 9 (PDF page 23), at approximately PC 17+19.5. The drawing indicates a protective case length of approximately 5.6 m, corresponding to the rounded BOQ quantity of 6.00 linear metres.

The above drawings, together with Chapter 802 of the Technical Specifications, provide the applicable information for the execution and pricing of these protective cases, including the associated ancillary works.

For bidding purposes, the quantities specified in the BOQ, i.e. 17.00 linear metres for Item 80206.6 and 6.00 linear metres for Item 80206.8, shall be used for pricing.

Question 69

Lot 2. 1. PREPARATORY WORKS (Bill No. 100)

1.1. Execution Details for Relocated Crucifixes (Item 10313):
Under Demolition, Item 10313 specifies the “Demolition and relocation of existing structures (crucifixes / răstigniri)” (2.00 pcs). We kindly request you to provide the technical and architectural execution drawings required for the construction and installation of these new replacement crucifixes.

Answer

The existing crucifixes shall be relocated and installed on new foundations, while preserving their existing form and appearance.

Prior to dismantling the existing crucifixes, the Contractor shall coordinate the relocation works and the new location with the local authorities and the Engineer.

As the works relate to the relocation of existing structures rather than the construction of new standard structures, no standard execution drawings are included in the Bidding Documents.

Where necessary, the execution details shall be provided by the Engineer during the execution of the Works, taking into account the characteristics of the existing structures and the agreed relocation location.

Question 70

Lot 2. 2. EARTHWORKS (Bill No. 200)

2.1. Tree Planting Specifications (Item 20501):
In Bill No. 200 (Earthworks), under Shaping and Planting of Slopes and Excavated Surfaces, Item 20501 specifies Planting of trees (1,500.00 / 600.00 pcs). Please provide the specific technical requirements for these trees, including the required species type, minimum height, and nursery quality standards.

Answer

Please refer to the Answer to **Question 60**.

Question 71

Lot 2. 3. DRAINAGE STRUCTURES & CULVERTS (Bill No. 500)

3.1. Execution Details for Rectangular Manholes (Item 50503):
In Bill No. 500, under Open Drains, Side Drains, Item 50503 refers to the construction of Rectangular reinforced manholes (83.00 m³ / 130.00 m³). Please specify the execution drawings and structural design standards applicable to these rectangular manholes.

Answer

Please refer to the Answer to **Question 63.**

Question 72

Lot 2. 3. DRAINAGE STRUCTURES & CULVERTS (Bill No. 500)

3.2. Missing BOQ Reference for Box Culvert Extension (G131):
According to Volume 3.1.2 Road Works, sector G131, S1.2, drawing sheet no. 48, the “Extension of the rectangular box culvert 2(2.5x2.00m) at PC 164+82.5” is explicitly indicated. Please clarify under which specific item or Bill of Quantities (BOQ) these expansion and structural works must be quantified and quoted.

Answer

The works for the box culvert at PC 164+82.5, consisting of 2 × (2.50 m × 2.00 m) openings, are included in the Bill of Quantities (BOQ) under the corresponding double-cell box culvert item.

The applicable BOQ item shall be Item 50104.4 or Item 50104.5, depending on the configuration shown on the issued drawing.

Accordingly, no additional BOQ item is required.

Question 73

Lot 2. 3. DRAINAGE STRUCTURES & CULVERTS (Bill No. 500)

3.3. Discrepancy in Wingwall Type for Frame Ditches (Drawings 60 vs 62, 63, 64):
We noted a technical discrepancy regarding the frame ditch design (rigolă cadru 1.60 x 1.20):

- Drawing sheet no. 60 specifies the use of a type P-3 portal wingwall (perete portal).

- Drawing sheets no. 62, 63, and 64 specify the use of a type P-1 portal wingwall.

Please clarify and confirm the final type of portal wingwall (P-1 or P-3) to be implemented and priced.

Answer

The type of portal wingwall depends on the dimensions of the frame ditch.

Accordingly:

- Frame ditch 1.60 m × 1.20 m: Portal wingwall Type P-3;
- Frame ditch 1.00 m × 1.00 m: Portal wingwall Type P-1.

The portal wingwalls shall be priced and constructed in accordance with the issued drawings applicable to the respective frame ditch type.

Question 74

Lot 2. 3. DRAINAGE STRUCTURES & CULVERTS (Bill No. 500)

3.4. Technical Drawings for Longitudinal Drains (Item 50901.2):
Under Drains, Manholes, Exit Gully, Item 50901.2 defines the “Construction of longitudinal drains (accordance with the technical drawings)” (135.00 linear meters). We kindly request you to provide the detailed execution drawings and structural cross-sections for these longitudinal subsurface drains.

Answer

The detailed execution drawings and typical cross-sections for the longitudinal subsurface drains are included in the issued design documentation.

In particular:

- Typical cross-section of the longitudinal drain: Drawing No. 106, Volume 1;
- Characteristic longitudinal drain details: Drawing Sheets No. 170–172, Volume 2.

Accordingly, the information required for pricing and construction of the longitudinal drains is included in the Request for Bids.

Question 75

We refer to the Employer’s clarification regarding the currencies of the Bid and payment, in particular the confirmation that each individual BoQ line item shall be quoted in a single currency and that Bidders may quote different BoQ line items in different currencies.

We would kindly request a further clarification regarding the completion of the “Table: Alternative B – Summary of Currencies of the Bid” in a situation where the Bidder intends to quote all BoQ unit rates and prices in EUR.
While the BoQ rates may be quoted entirely in EUR for the purpose of the Bid, the underlying costs included in such rates may comprise both foreign and local components. In particular, certain costs, such as local labour, payments to local suppliers and local subcontractors, and other local expenses, will in practice be incurred and paid in Moldovan Lei (MDL).

Therefore, if the Bidder elects to quote all BoQ items in EUR for simplicity and consistency of the priced BoQ, could the Employer please clarify the following:
1. Table: Alternative B
May the Bidder complete the “Table: Alternative B” by indicating both:

- EUR as the foreign currency; and
- MDL as the local currency, representing an estimated percentage or corresponding amount of the total Contract Price that the Bidder expects to require in MDL for local expenditures,

even though all individual BoQ line items would be quoted exclusively in EUR?
2. Determination of the MDL portion
If the above approach is permitted, may the Bidder determine the MDL portion as an estimated percentage of the total Contract Price expressed in EUR, with the remaining portion being payable in EUR?
In other words, would the following approach be acceptable:
MDL payment portion = Total Contract Price expressed in EUR × estimated percentage to be paid in MDL
EUR payment portion = Total Contract Price expressed in EUR − MDL payment portion.

3. Currency of Interim Payment Certificates
If a EUR/MDL payment split is indicated in the “Table: Alternative B”, please clarify how the MDL portion would be reflected in the Interim Payment Certificates, given that the value of each individual BoQ item is calculated in EUR based on the applicable EUR unit rate and the quantity of work executed.
In particular, please clarify the mechanism by which the EUR value of the executed works would be allocated between EUR and MDL for payment purposes.
4. Alternative approach
Alternatively, if the Employer considers that the currency indicated for payment must correspond directly to the currency of the priced BoQ items, please confirm that, where all BoQ items are priced in EUR, the entire amount attributable to such BoQ items would be payable in EUR, and that no separate MDL portion may be indicated in the “Table: Alternative B”.

We would appreciate the Employer’s confirmation of the intended approach, as this clarification is necessary to ensure that the pricing structure in the BoQ, the “Table: Alternative B”, the Letter of Bid – Financial Part, and the subsequent Interim Payment Certificates are fully consistent.

Answer

The provisions referring to the currencies are designed to allow flexibility to the bidders, and not to prescribe the specific currency the bidders shall use to quote the price (including MDL).

Bidders are free to quote in any currency subject to the provisions of data sheet of ITB 15.1. Read carefully the provisions therein with respect to local and foreign currency aspects which is self-explanatory.

The multicurrency provision of the bidding document refers to the overall price structure of the bid. However, each individual unit rate in the Bill of Quantities (BoQ) must be quoted entirely in one single currency. The option to use up to three foreign currencies (plus the local currency) applies to the allocation of different items or sections of the BoQ to those currencies, not to quoting of a single unit rate in different currencies.

Table: Alternative B, Summary of currencies of the Bid, shall reflect totals of sums in currencies used to quote BoQ rates. Payments will be made in the currency in which BoQ items are quoted (e.g. EUR).

If different items of BoQ are quoted in different currencies, each BoQ will be paid in the currency each item is quoted.

Question 76

We would like to respectfully request that the deadline for submission of Bids be extended until 16 September 2026.
The preparation of the Bid is currently being affected by a number of outstanding clarification requests. Although the Employer has already issued several responses, certain important matters remain pending, while the clarifications received to date require careful technical, contractual and commercial review in order to properly assess their implications and incorporate them into the relevant parts of the Bid.
In addition, preparation of the Bid requires extensive coordination between the technical, commercial and administrative teams, as well as with subcontractors, suppliers and other parties involved in the proposed execution of the Works. The current summer holiday period has also affected the availability of certain key specialists and representatives of these parties, making the timely collection, confirmation, coordination and verification of the required information more challenging.
Taking into account the above circumstances, additional time would be reasonably required to allow Bidders to properly assess the Employer’s clarifications, finalize and verify the pricing and technical documentation, confirm quotations and commitments from subcontractors and suppliers, and carry out a comprehensive compliance review prior to submission.
We believe that such an extension would also contribute to the overall quality and competitiveness of the procurement process by allowing Bidders to submit more accurate, competitive, fully responsive and compliant Bids, while reducing the risk of inconsistencies or unintended omissions arising from insufficient time for proper review and coordination.
In view of the above, we respectfully request the Employer’s favorable consideration to extend the Bid submission deadline until 16 September 2026.

Answer

Please refer to Amendment No.6 to the Request for Bids, dated September 10, 2026. The bid submission deadline has been extended until October 08th, 2026.

Question 77

We kindly refer to the ongoing procurement process and the numerous requests for clarification submitted by the Bidders regarding various technical, financial, contractual and procedural aspects of the Bidding Documents.
Given the complexity and scope of the Works, a significant number of clarification requests have been raised. While the Employer has already provided responses to a number of these requests, several other clarification requests are still outstanding and have not yet been answered.
Furthermore, the clarifications already received address a number of important issues which require careful review and consideration by the Bidders in order to properly incorporate the Employer’s explanations and requirements into their Technical and Financial Bids.
In view of the above, and in order to allow sufficient time for the Bidders to fully consider all clarifications, review the corresponding implications and prepare complete and fully compliant Bids, we respectfully request the Employer to extend the deadline for submission of Bids until **14 September 2026**.
We believe that such an extension would provide all Bidders with a reasonable and adequate period to take into account the clarifications received, await the outstanding responses, and finalize their Bids accordingly.
We kindly request the Employer to consider this request and confirm the extension of the Bid submission deadline to **14 September 2026**.

Answer

Please refer to Amendment No.6 to the Request for Bids, dated September 10, 2026. The bid submission deadline has been extended until October 08th, 2026.