



Finance Contract:	SERBIAN INLAND WATERWAY INFRASTRUCTURE Finance Contract between the Republic of Serbia and European Investment Bank (Official Gazette of the Republic of Serbia - International Contracts No. 02/2019)
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## Clarification No. 19 to TD

**Volume 4, Section 2.1 - Bill of Quantities**  
**Volume 2, Section 3 - Particular Conditions**

QUESTIONS	ANSWERS
<p><b>Question No 1</b></p> <p>Volume 4, Section 2.1 Bill of Quantities</p> <p>Item - 1. Excavation and Earthfilling Works</p> <p>No 5.02</p> <p>Finishing layer on the quay, thickness 20cm</p> <p>Concrete class is water impermeable MB 30 - V6 concrete and M150 frost resistance</p> <p>This BOQ item covers the reinforced concrete of 20 cm. No separate BoQ item is given for the reinforcement works.</p> <p>We request kindly provide the reinforcement qty and request to make separate BoQ item for measurement purpose.</p>	<p><b>Answer No 1</b></p> <p>Finishing layer on the quay, thickness 20 cm, above the concrete slab of the quay structure, as a filling between the crane path tracks, railway tracks, up to dock installation corridors, shall be made of concrete which must meet the water permeability requirements B6 and frost resistance M150</p> <p>Note: The reinforcement quantity is not a subject of the Construction Permit Design.</p> <p>The Contractor's responsibility is to develop the Construction Design (Projekat za izvodjenje) according to the Serbian Law on planning and construction (No.83/2018), to produce working drawings and details and to undertake the construction works in accordance with the terms and conditions of the Contract.</p>



<p><b>Question No 2</b></p> <p>Item - 4. Sloped Embankment Structures</p> <p>No 1.04, 2.04 and 3.05</p> <p>Procurement, transport and construction of water impermeable.....</p> <p>The price includes the formation and installation of required formwork. The price included the concrete with the appropriate reinforcement.</p> <p>Kindly provide the reinforcement qty and request to make separate BoQ item for measurement purpose.</p>	<p><b>Answer No 2</b></p> <p>The reinforcement quantity is not a subject of the Construction Permit Design.</p> <p>The Contractor's responsibility is to develop the Construction Design (Projekat za izvodjenje) according to the Serbian Law on planning and construction (No.83/2018), to produce working drawings and details and to undertake the construction works in accordance with the terms and conditions of the Contract.</p>
<p><b>Question No 3</b></p> <p>Item - 4. Sloped Embankment Structures</p> <p>No 1.06 and 3.04</p> <p>1.06) Construction of reinforced concrete slab of service road and</p> <p>3.04) Construction of reinforced concrete support beams</p> <p>The price includes the formation and installation of required formwork. The price included the concrete with the appropriate reinforcement.</p> <p>Kindly provide the reinforcement qty and request to make separate BoQ item for measurement purpose.</p>	<p><b>Answer No 3</b></p> <p>The reinforcement quantity is not a subject of the Construction Permit Design.</p> <p>The Contractor's responsibility is to develop the Construction Design (Projekat za izvodjenje) according to the Serbian Law on planning and construction (No.83/2018), to produce working drawings and details and to undertake the construction works in accordance with the terms and conditions of the Contract.</p>
<p><b>Question No 4</b></p> <p>Item 3. Vertical Quay and Vertical Embankment Structure</p> <p>No 3.07 and 3.08</p> <p>Procurement of the required material and driving of steel piles <math>\Phi</math> 610 mm in 5:1 inclination in accordance with the design. After sinking to the designed</p>	<p><b>Answer No 4</b></p> <ol style="list-style-type: none"><li>1. Steel pile material is S355J2H.</li><li>2. No special coating is needed, but it is supposed that pipes should be new, clean from corrosion and protected against corrosion during transportation.</li><li>3. No cathode protection is required.</li></ol>



depth, the top part of the steel pile shall be reinforced with the projected reinforcement for connection with the capping beam and filled with MB 30 concrete to the top. Calculation per m of completed piles. Only reinforcement will be calculated separately.

1. Bidder request you to kindly provide the Specification of steel pile material.
2. If any type of coating is required to steel piles please provide the Technical specification of coating such as thickness, material, no of layers, coating length of pile etc.
3. Kindly clarify any type of cathodic protection is required for piles. If yes please provide the Technical specification for the same.

**Question No 5**

Item 3. Vertical Quay and Vertical Embankment Structure

No 8.01

Procurement of the required materials and construction of vertically driven steel piles  $\Phi$  610 mm and  $\Phi$  508 mm in accordance with the design. Piles are driving until driving cancellation (pile wan't go deeper). The given length is theoretical, and the final length calculation shall be performed according to the actual length of driven piles. The total scope sets out the construction of two trial piles driven until the break of soil at two different location and their load bearing capacity should be examined so as to demonstrate the cancellation. The price shall include the static or dynamic demonstration of the load bearing capacity of 4 arbitrarily selected

**Answer No 5**

1. It is expected (but not guaranteed) that overall length of piles should be as per BoQ.
2. It is expected (but not guaranteed) that overall length of piles should be as per BoQ.
3. No separate BoQ item for pile testing will be made.



completed piles, with the force 50% higher than the calculated one. After sinking, the piles shall be filled with MB 30 concrete, which is included in the price. Calculation per m of driven piles filled with concrete

1. Bidder understand these piles will be procured and driven as per the length mentioned in the drawings issued for construction by employer/consultant. - pl confirm

2. The BOQ description mention that the given length is theoretical and the final length calculation shall be performed according to the actual length of driven piles, Bidder understand the final length of piles will be same as the length shown in the drawing issued for construction by employer/consultant- pl confirm.

3. Can you make separate BoQ item for static or dynamic demonstration of the load bearing capacity of 4 arbitrarily piles for measurement and payment purpose.

**Question No 6**

Item 3. Vertical Quay and Vertical Embankment Structure

No 8.02

Procurement of all required materials and construction of sloped driven steel piles  $\Phi$  406.4 mm, in accordance with the design. Piles are driving in inclination of 5:1 until driving cancellation (pile wan't go deeper) The given length is theoretical and the final length calculation shall be performed according to the actual length of driven piles. The total scope sets out the construction of two trial piles to be

**Answer No 6**

1. It is expected (but not guaranteed) that overall length of piles should be as per BoQ.

2. It is expected (but not guaranteed) that overall length of piles should be as per BoQ.

3. No separate BoQ item for pile testing will be made.



driven at two different locations until the break of soil and their load bearing capacity should be examined so as to demonstrate the failure. The price shall include the static or dynamic demonstration of the load bearing capacity of 4 arbitrarily selected completed piles, with the force 50% higher than the calculated one. After sinking, the piles shall be filled with MB 30 concrete, which is included in the price. Calculation per m of driven piles filled with concrete.

1. Bidder understand these piles will be procured and driven as per the drawings issued for construction by employer/consultant. - pl confirm

2. The BOQ description mention that the given length is theoretical and the final length calculation shall be performed according to the actual length of driven piles, Bidder understand the final length of piles will be same as the length shown in the drawing issued for construction by employer/consultant- pl confirm.

3. Can you make separate BOQ item for static or dynamic demonstration of the load bearing capacity of 4 arbitrarily piles for measurement and payment purpose.

**Question No 7**

Item - 1. Excavation and Earthfilling Works

No 2.02 and 2.03

Procurement, transport and unloading of the filling material. This item includes procurement of the required amount of material for filling the slopes of gravelled terrains reserved for

**Answer No 7**

1. The borrow pit location shall be defined within the Dredging design to be prepared by the Contractor, in line with relevant Serbian legislation.

The list of relevant legislation related to dredging is provided in Clarification No.7

2. Yes



<p>suprastructure facilities, transport from the gravel pit and unloading from the landfill on the banks of the future dock. The material is filled on the prepared terrain, in accordance with the graphic documentation.</p> <ol style="list-style-type: none"><li>1. Bidder request you to kindly provide the location of gravel pits are available at site.</li><li>2. We presume the required qty will be available from these borrow pits- PI clarify.</li></ol>	
<p><b>Question No 8</b></p> <p>Item - 1. Excavation and Earthfilling Works</p> <p>No 2.03</p> <p>Procurement, transport and unloading of the filling material. This item includes procurement of the required amount of materials for filling the docking areas, transport from the gravel pit and unloading from the landfill on the banks of the future dock. Material is filled up to 74.75 meters above sea level on the prepared terrain, in full accordance with the graphic documentation.</p> <ol style="list-style-type: none"><li>1. As per the document Sveska 1 Hidrotehnicki projekat-Volume 1,page no 20/40, it states that the qty of 930,648 cum is the Filling with river gravel from the borrow point in the Danube whereas as per the drawing ' Layout plan of the earth filling zones of the Terminal territory' it states Filling with blast furnace granulated slag (bill of quantities item 02-03).- PI confirm.</li><li>2. We understand this qty is to be borrowed from the offshore pits which</li></ol>	<p><b>Answer No 8</b></p> <ol style="list-style-type: none"><li>1. Please, check VOLUME 3, TECHNICAL SPECIFICATION, SECTION 4: SPECIFIC TECHNICAL LIMITS AND CONDITIONS, items 2.4.1 and 2.4.2.</li></ol> <p>In accordance to item 2.4.2 quote "..... slag filling be performed along the border segment, along the inner border of the Terminal territory, envisaged for planting and horticultural works." end of quote.</p> <ol style="list-style-type: none"><li>2. Please, see answer No7 of this clarification.</li><li>3. Please, see answer No7 of this clarification.</li></ol>



<p>are available in the Danube river. Please confirm.</p> <p>3. Please provide the location drawing for the offshore borrow pit area in river.</p>	
<p><b>Question No 9</b></p> <p>Page no 14 of 18</p> <p>No 14.4</p> <p>Schedule of payment-Add the following to the end of Sub-Clause 14.4: “The Schedule of Payments shall be in the form of an Activity Schedule linked to the Bill of Quantities per the activities concerned. The total of the items in the Activity Schedule shall be equal to the Accepted Contract Amount, unless varied in accordance with the Contract. The activities in the Activity Schedule shall correspond to activities in the programme referred to in Sub-Clause 8.3. If requested by the Engineer at any time, the Contractor shall provide a breakdown of the prices of activities in the Activity Schedule to assist in the valuation of variations under Sub-Clause 13.3.”</p> <p>1. Kindly clarify purpose of requirement of both 'cash flow' and 'schedule of payment' statements</p>	<p><b>Answer No 9</b></p> <p>Purpose of having both documents is that the Employer has a clear and complete overview of planned progress in Programme of works in order to achieve full prepares for efficient payment of all Interim Payment Certificates.</p>
<p><b>Question No 10</b></p> <p>Page no 5 of 18</p> <p>No 3.1</p> <p>Engineers Duties and Authority- “The Engineer shall obtain a note of “No Objection” from the Employer before taking action under the following Sub-Clauses of these Conditions:(a) Sub-Clause 3.5: agreeing or determining any matter, which will change the Accepted</p>	<p><b>Answer No 10</b></p> <p>The Tender Dossier has been carefully tailored to follow the technical requirements of these specific works, international good practices for procurement and contract management/implementation as well as PRAG and EIB procurement rules and local legislation; no changes as the one proposed shall be introduced.</p>



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Contract Amount;(b) Sub-Clause 4.4(b): giving consent for a Subcontractor/Supplier for a subcontract/supply contract for which a different Subcontractor/Supplier is named in the Contract;(c) Sub-Clause 8.4: Agreeing or determining an extension of the Time for Completion;(d) Sub-Clause 8.8: Suspension of the Work;(e) Sub-Clause 10.1: Before issuing any Taking-Over Certificate(f) Sub-Clause 11.9: Before issuing the Performance Certificate(g) Clause 13: Instructing a Variation which is expected to change the Accepted Contract Amount (and consequently the Contract Price) or in any substantial way change the scope, character or quality of the Works.(h) Sub-Clause 20.1: Providing initial responses to notices from the Contractor under this clause.

Bidder request to reinstate as per the FIDIC Red book