

**L4343 MON, ADB Project Number 48186-008 - Regional Road Construction and Maintenance for the 3rd phase.
CW1 Construction of a new asphalt paved road for the section from Myangad to the intersection with Naranbulag – Ulaangom road (163km)**

Questions & Answers QA02.

No.	Question	Response
1	How to solve the difference in quantities of the work when the detailed engineering drawing is updated according to the Specifications? The Design was drawn following the old design standard BNBD 01/32/07 and in Part A and Part B of the Specifications, it is instructed to draw the work drawings as specified in the Design standard BNBD 22-004-2016. In the case of changes in the quantities of work during road construction by reflecting some of the changes indicated in the Table in Part A of Design Specifications, how to resolve the additional funding for the difference of work quantities?	1) Please refer to response QA01-15 for an explanation of the quantities shown in the BOQ and how they have already been adjusted to reflect the updated design. 2) Please refer to the preamble to the BOQ, para 2 “The quantities given in the Bill of Quantities are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.” 3) <u>Bidders are reminded to submit bids using the quantities shown in the BOQ. Do not adjust the quantities shown in the BOQ.</u>
2	Which item includes the quantity of the excavation work? E.g. Bill No. 3 Earhtworks 3.02 of CW1-1 states that 751,795m3 of embankment material will be transported from excavations and borrow pit. The transportation is high-cost work, so it is necessary to separate the quantity of excavation work from the item.	1) Pay item 3.02 (spec clause 512 (a)) includes the cost of roadway excavation work. As stated in Volume 2 Specification, Clause 512 <i>“No separate measurement or payment shall be made for excavating material to form embankments.”</i> And: in 512 (a) <i>“(a) “The measurement shall be the volume of compacted fill in embankments. The item shall include for: Excavation, haulage, placement and compaction of embankment from either roadway excavation or borrow pits;”</i> 2) The reason for this approach is that the Employer does not wish to have to be concerned with whether embankment fill is

		<p>sourced from excavation or from borrow, and the associated unit rates.</p> <p>3) It is further noted that the volume of roadway excavation is much smaller than the required embankment volume, hence it is anticipated that the majority of material will be from borrow.</p>
3	<p>Sameness of quantities. The work quantities of Bill No.3 Earthworks, Bill No.4 Drainage, Bill No.5 Subbase and Base, Bill No.6 Pavement Works, Bill No.7 Road Furniture and Traffic Markings of CW1-1 and CW1-2 are the same in the BOQ. Also please reconfirm the quantities of the works for the above two sections and the CW1-3.</p>	<p>The lengths of CW1-1 and CW1-2 are 55 km and CW1-3 is 53.3 km. Since the road length of the contracts are similar, some of the BOQ quantities are similar. However, as response QA02-01 the basis of payment will be the actual quantities of work carried out.</p>
4	<p>The quantities of topsoil compaction work for a total of 163km road alignment are as follows: in 2012 is 2,659,909m², in 2023 is 1,793,001m². According to the preliminary inspection, the width of the bottom of the embankment is 11m. Please confirm this quantity.</p>	<p>There is no pay item in the BoQ for compaction of topsoil. Referring to Clause 405 (b) of the specification, deposition and light rolling of topsoil is included in the Item for 'Removal of Topsoil, Storage and Deposition'.</p> <p>Pay item 3.05 'Leveling and compaction of formation level', refers to the formation level, whose measurement Volume 2 Specification clause 512(d) defines as "The measurement of completion of formation shall be the area of the layer immediately beneath the sub-base and shall be measured in both cuttings and embankment" The BOQ quantities for leveling and compaction of formation level are considered to be correct.</p>
5	<p>In the area with a high embankment, guide post and strip fences are overlapping. We would like to clarify whether the overlapping of these road furniture is correct.</p>	<p>Embankments exceeding a height of 3 meters shall incorporate a 1V:1.5H side slope as outlined in the original design, with installation of guardrails being the sole requirement.</p>
6	<p>The BOQ of the bidding document does not include how technical and biological rehabilitation will be financed. So we would like to clarify that.</p>	<p>Please refer to Volume 2 Specification, clause 405(b) "<i>Removal of Topsoil, Storage and Deposition: The measurement for removal of topsoil shall be the volume of the void formed by the excavation of topsoil material. Payment shall be made as follows:</i></p> <ul style="list-style-type: none"> - 50% on completion of removal and stockpiling - 50% on completion of reinstatement of topsoil to cut and fill slopes."

7	Relating to the revision fo the Cost / Budget standard, we would like to clarify which Standard will be used to estimate the Budget for this work.	When updating the design and quantities, cost estimate shall be updated using the pay items and methods of measurement stated in Volume 2 Specification, and the unit rates given in the priced BOQ in the Contract.
8	In the Bidding invitation posted on the website of SPA, the amount of funding for the project in 2024 is 23,454,307,800MNT. We would like to clarify whether the work will be financed by this planned amount of by performance.	Please refer to response QA01-13
9	Also, we would like to clarify whether the price increase will be adjusted in the work contract.	Yes, as stated in Volume 1, Section 2, ITB14.5 “The prices quoted by the Bidder shall be adjustable.”

Bid Evaluation Committee.