

THE UNITED REPUBLIC OF TANZANIA



MINISTRY OF WORKS



**TANZANIA NATIONAL ROADS AGENCY**

*When you reply please specify:*

**Ref. No:** AC.74/251/35

**Date:** 14<sup>th</sup> September, 2023

**To:** All Prospective Bidders

Dear Sir/Madam,

**RE: CLARIFICATION NO. 1 TO THE BIDDING DOCUMENTS FOR CONSTRUCTION OF JANGWANI BRIDGE AND ASSOCIATED WORKS, TENDER No.: AE/001/2022-23/HQ/W/56**

Please refer to the above subject.

2. Pursuant to Sub-Clause 7.1 of the Instructions to Bidders (ITB) of the Bidding Documents, TANROADS issues the attached **Clarification No.1** to the Bidding Documents.

Eng. E. L. Mlavi  
**ACTING CHIEF EXECUTIVE**

**Encl:** As stated.

# THE UNITED REPUBLIC OF TANZANIA

## MINISTRY OF WORKS



Good roads for national development

### CONSTRUCTION OF JANGWANI BRIDGE AND ASSOCIATED WORKS

TENDER No.: AE/001/2022-23/HQ/W/56

#### Clarification No. 1

Date: 14<sup>th</sup> September 2023

With reference to the questions/queries raised by the prospective bidders and pursuant to Instructions to Bidders ITB 7.1, TANROADS is herewith providing clarifications as follows: -

S/No	Issue/Questions	Clarification/Responses
1	We can see mix granular fill of MSE walls in page 24 of road drawing, but do not find the quantity in the BOQ , please gently clarify it?	<i>Response will be provided in due course</i>
2	Please provide detail drawing of 55.10 (d) of BOQ?	<i>There is no Item 55.10(d) in the BOQ</i>
3	The unit of item 57.10 of BOQ is LS, but is provisional item under the STANDARD SPECIFICATIONS FOR ROAD WORKS-2000, please gently clarify it?	<i>Response will be provided in due course</i>
4	Please gently clarify that what is 6L material the and 6N material the specific material used in item 61.08(b)-. 61.08(c) of BOQ Series 6000A- BOX CULVERT?	<i>Refer Standard; BS EN 13242</i>
5	Item 61.34 of BOQ Establishment on site for load testing of three (3) pile tests means we just need to do three Preliminary piles' load testing? If we need to do extra load testing for working piles?	<i>Response will be provided in due course</i>
6	This project requires 300,000 m <sup>3</sup> of sludge to be cleared. According to the site visiting, there is sufficient area on both sides of the river to stack sludge. Whether it is possible to stack the sludge	<i>There is limited space for stacking all removed materials within the sides of the river. Bidders should consider liaising with relevant Local Authority for guidance on disposing removed</i>

<b>S/No</b>	<b>Issue/Questions</b>	<b>Clarification/Responses</b>
	on both sides of the river or transport it outside the city for stacking? Please clarify.	<i>materials at appropriate locations.</i>
7	Does the main bus station of BRT need to be demolished? Please clarify.	<i>BRT is required to be demolished. Refer BOQ Item 32.01(f)</i>
8	Please clarify whether it is necessary to rebuild the BRT station because the BOQ list only includes the demolition items of the existing BRT station, and there is no drawing and engineering quantity of the new BRT station.	<i>Response will be provided in due course</i>
9	Please clarify the width of the construction boundary of the project. If the on-site construction needs to increase land acquisition, whether the work will be undertaken by the owner.	<i>Width of construction boundary is as indicated in layout drawings and fits within the available corridor. it is obligation of the Employer to acquire land if required for permanent works.</i>
10	There is an existing bus station on the right side of the midpoint of the project and it is connected to the existing road. After the construction of the project, this location will be a bridge area. Please clarify whether it needs to be connected to the existing road on the right.	<i>There will be no connection from the bridge except for pedestrian access only whose details shall be provided later during construction. However, bidders should consider in their traffic management that existing access to the Depot will remain operational during construction</i>
11	In the Work Requirements Specifications, it is clearly required that the contractor should dispose of the dredged materials to the place indicated by the supervision Engineer. Can the designated place or the distance from the dredging construction site be specified?	<i>Refer Clarification No. 6 above</i>
12	The Geotechnical Interpretation Report file is missing, please provide it in time.	<i>Please access the Geotechnical Report through the following link:</i>
13	Item 42.01 of the BOQ, where is the Bituminous Base Course used? This quantity of work has not been found in the drawings.	<i>There is no Item 42.01 in the BOQ.</i>
14	The Geotechnical/Soils reports cannot be accessed from the soft copy	<i>Refer Clarification No. 12 above</i>
15	Survey/setting out data are not provided	<i>The setting out data are included in the drawing No. B1804-08-RD-0201. However, control points as established at site shall be identified as appropriately during construction.</i>
16	It is mentioned on the tender document that there are rocks underneath around the project area. Where is the location?	<i>Refer Clarification No. 12 above</i>
17	There is a need for clarification on the unit rate for Pre-stressing tendons and end Anchorage at Jacking	<i>For Clarification refer SSRW 2000; Section 6512 – Measurement and Payment and as covered in Sub-items 65.01 and 65.02 of the Standard</i>

S/No	Issue/Questions	Clarification/Responses
		<i>Specifications for Road Works, 2000.</i>
18	There is a need for the Client to provide as-built drawings for the existing bridge and culverts to be demolished.	<p><i>Drawings for part of the bridge and culverts have been provided for information only. However, available detailed do not cover the existing structures in their entirety. Bidders are advised to visit and take relevant observations at site.</i></p> <p><i>Please access drawing for existing bridge and culverts through the following link:</i></p>
19	<p>In the purchased tendering document, the following files are damaged and unable to be opened:</p> <p>Volume 5  ~ 5B Geotechnical Interpretation Report (Word and PDF)  ~ App A - Geotechnical Survey Report</p> <p>Kindly we request the Employer to provide new readable copies of the aforementioned files</p>	<i>Refer Clarification No. 12 above</i>
20	<p>In the Bid Notice, it is stated that "The completion period for the works is 36 months which includes 3 months' mobilization period." However, in Section IX Particular Conditions, specifically SCC 1.1.84, it is stated that "Time for Completion is 24 months including Three (3) months of Mobilization." Kindly clarify which construction period is correct.</p>	<i>The completion period is twenty four (24) months including three (3) months mobilization period as provided for in Sub-clause 1.1.84 of Part A-Contract Data of the Particular Conditions</i>
23	<p>The precast beam yard for the bridge requires a large area to meet the prefabrication and storage requirements of reinforced concrete beams. The Employer is kindly requested to provide clarification regarding the specific location of the beam yard available for bidders to use. Please provide a marked map indicating the precise locations.</p>	<i>There is no designated area identified by the Employer for contractor's beam yard. It is the Contractor's obligation to identify Contractor's camp including beam yard.</i>
24	<p>Furthermore, please provide a marked map indicating the designated areas available for contractor camps.</p>	<i>There is no designated area identified by the Employer for contractor's beam yard. It is the Contractor's obligation to identify Contractor's camp including beam yard.</i>
25	<p>Taking into account the current unavailability of the Geotechnical Report, and aiming to enhance the quality of our technical proposal and provide a more precise quotation, we respectfully seek an extension of the bid submission deadline by one month at least. We eagerly await</p>	<i>Response will be provided in due course</i>

<b>S/No</b>	<b>Issue/Questions</b>	<b>Clarification/Responses</b>
	the Employer's approval for this requested extension.	
26	It is mentioned in invitation letter that period of projects 36 months otherwise it is mentioned at the bidding documents that period of project 24 months, kindly clarify the exact period of the project.	<i>Refer Clarification No. 20 above</i>
27	For Garage of BRT Bus Depot at station 0+500 and city center St 1+050 for new project, will be closed? or the Employer shall make alternative path during the implantation period.	<i>Depot will remain operational during construction period. Bidders should consider in their traffic management maintaining access to the Depot including arranging for alternative path</i>
28	Reference made to Sub Clause 1224 THE HANDING OVER OF THE SITE, shall the Employer provide extra land for the traffic diversions during the execution of the project when it is needed, OR the contractor shall make appropriate arrangement with land owners on the contractor's own cost?	<i>The Contractor should make appropriate arrangement of utilizing available space within the corridor for accommodating traffic and is also obliged to provide diversions within the basin or alternative route for traffic movements.</i>
29	No as built drawings for existing 2 culverts, bridge and BRT stations that will be demolished are provided in the bidding documents, however the demolition relative bill items are in L.S?	<i>Drawings for part of the bridge and culverts have been provided for information only. However, available detailed do not cover the existing structures in their entirety. Bidders are advised to visit and take relevant observations at site.</i>
30	Shall the adjustment formula be applied from the commencement date?	<i>The price adjustment will be applicable in accordance with respective formular indicated in the Contract Document</i>
31	In Volume 5 - Supplementary Info "Material Report" of the bidding documents that it is mentioned that No Rock soil, otherwise the bridge drawings show that there is a socket rock length approximately 10m. kindly clarify, and if there is rock, what is the classification of that rock, (ex- strength, etc) complete soil investigation of rock shall be provided.	<i>Refer clarification No. 16 above</i>
32	(Page 142), bridge drawings, the symbol B1 & B2 indicate two sides of the bridge? either indicating the presence of another bridge for which the corresponding drawings are not available.	<i>B1 and B2 indicate two sides of the bridge with structurally separated decks for accommodating traffic in opposite direction</i>
33	The bidding documents do not indicate the status of rain falls data that shall affect the work program, and what are the conditions of applying extension of time due to up normal rain falls?	<i>Bidders are advised to contact the Tanzania Meteorological Agency (TMA) to acquire rainfalls data to the following address: -</i>

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		<p><b>University of Dodoma, Administration Block, Department of Computer Science and intuitive education, 1 CIVE Street, P.O Box 27, 41218 DODOMA.</b>  <b>Telephone: +255 26 2962610</b>  <b>Email Address: met@meteo.go.tz</b></p>																																								
34	<p>Please clarify the discrepancies in quantities between the BOQ bill items and the drawings as follows:</p> <table border="1" data-bbox="308 544 882 1935"> <thead> <tr> <th data-bbox="308 544 539 645">Items</th> <th data-bbox="547 544 627 645">Units</th> <th data-bbox="635 544 754 645">Bill Qty</th> <th data-bbox="762 544 882 645">Drawings Qty</th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="308 656 882 689"><b>A-Earth Works</b></td> </tr> <tr> <td data-bbox="308 689 539 925">Improved subgrade layer as specified in the Drawings to require minimum G 15 quality material</td> <td data-bbox="547 689 627 925">M<sup>3</sup></td> <td data-bbox="635 689 754 925">7,625</td> <td data-bbox="762 689 882 925">2,828</td> </tr> <tr> <td data-bbox="308 936 539 1037">Geogrid - For trac or equivalent 80 T</td> <td data-bbox="547 936 627 1037">M<sup>2</sup></td> <td data-bbox="635 936 754 1037">14,400</td> <td data-bbox="762 936 882 1037">43,650</td> </tr> <tr> <td data-bbox="308 1048 539 1171">Geogrid - For trac or equivalent R 300/50-30 T</td> <td data-bbox="547 1048 627 1171">M<sup>2</sup></td> <td data-bbox="635 1048 754 1171">25,994</td> <td data-bbox="762 1048 882 1171">31,360</td> </tr> <tr> <td data-bbox="308 1182 539 1451">Improved subgrade layer as specified in the Drawings to require minimum G7 quality material,</td> <td data-bbox="547 1182 627 1451"></td> <td data-bbox="635 1182 754 1451">151,373</td> <td data-bbox="762 1182 882 1451">Not Existing in drawings</td> </tr> <tr> <td colspan="4" data-bbox="308 1462 882 1496"><b>B- Box Culvert</b></td> </tr> <tr> <td data-bbox="308 1496 539 1664">Steel Reinforcement for Box culvert including wing walls</td> <td data-bbox="547 1496 627 1664">M<sup>2</sup></td> <td data-bbox="635 1496 754 1664">161</td> <td data-bbox="762 1496 882 1664">248</td> </tr> <tr> <td colspan="4" data-bbox="308 1675 882 1709"><b>C-Bridges</b></td> </tr> <tr> <td data-bbox="308 1709 539 1935">The unit rate of Prestressing Longitudinal Tendons and End Anchorage MN-m, kindly explain what</td> <td data-bbox="547 1709 627 1935"></td> <td data-bbox="635 1709 754 1935"></td> <td data-bbox="762 1709 882 1935"></td> </tr> </tbody> </table>	Items	Units	Bill Qty	Drawings Qty	<b>A-Earth Works</b>				Improved subgrade layer as specified in the Drawings to require minimum G 15 quality material	M <sup>3</sup>	7,625	2,828	Geogrid - For trac or equivalent 80 T	M <sup>2</sup>	14,400	43,650	Geogrid - For trac or equivalent R 300/50-30 T	M <sup>2</sup>	25,994	31,360	Improved subgrade layer as specified in the Drawings to require minimum G7 quality material,		151,373	Not Existing in drawings	<b>B- Box Culvert</b>				Steel Reinforcement for Box culvert including wing walls	M <sup>2</sup>	161	248	<b>C-Bridges</b>				The unit rate of Prestressing Longitudinal Tendons and End Anchorage MN-m, kindly explain what				<p><i>Response will be provided in due course</i></p>
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	are you referring to?	
35	Please confirm that Guarantee issued by Insurance Companies are acceptable as a Bid Bond.	<i>Pursuant to ITB 19.3 of Section of 1 of the Bidding Document, the specified type of the Bid Security is a demand guarantee and not a Bid Bond.</i>
36	The Project is situated on a major traffic area thus it will experience a high volume of daily vehicular movement. Please advise whether this bridge/road section will remain operational during the construction phase?	<i>We confirm that, traffic movement across Jangwani Valley, in particular along the construction site, will have to be maintained during the construction of Jangwani Bridge.</i>
37	<p>Refer to Section 6113.01 "General" of Volume 2 Specifications document, there is a description regarding foundation piling. Please confirm whether the use of permanent casings is required.</p> <p><b>6113.01 General</b>  <i>This specification concerns permanent works and is to be read in conjunction with the conditions of contract, drawings, the General Specification, the Specification for Concrete and Reinforcing Steel for Piling Work, Specification for Pile Testing and Specification for Excavation.</i></p> <p><i>Where works are ordered to be performed by the Contractor, but are not specified in this specification. The Contractor must carry them out with full diligence and expedience as are expected for works of this nature.</i></p> <p><i>This specification shall be used for general piling works only. Clauses relevant to other pile types are for information only.</i></p> <p><i>All piles shall have protective sleeve for a minimum depth of 3m below the cut-off level of the pile. This sleeve shall be plastic or metal bedded in mastic to form a fully water-proofed seal to the concrete.</i></p>	<i>Follow requirements as described in the Specifications</i>
38	Refer to Section 6113.10 "Pile Testing" of Volume 2 Specifications document, the specific quantity for Integrity Testing is not explicitly mentioned. Please provide clarification regarding the required testing quantity.	<i>The quantities to be the same as quantities specified for Dynamic load tests</i>
39	Section 6113.10 "Pile Testing" of the Volume 2 Specifications document	<i>There is no separate pay item for carrying out "Dynamic tests. This will</i>

S/No	Issue/Questions	Clarification/Responses																					
	<p>stipulates that "Dynamic tests shall be carried out on 10% of working piles below each bridge pier and abutment and below the wing walls," and it also outlines the required numbers of tests for static compression load testing as indicated below.</p> <p>However, in BOQ item 61.35, the quantity specified for load testing on piles is only 3. We kindly seek clarification on the discrepancy between these two documents.</p> <p><b>Specification:</b>  <b>Static load testing of piles</b>  <i>Static load testing shall be performed and results interpreted by approved independent specialist firms.</i></p> <p><i>(a) Static compression load tests to be performed</i></p> <p><i>Static compression load testing is to be carried out on bored piles. The number of tests required is indicated below.</i></p> <table border="1" data-bbox="304 1032 895 1417"> <thead> <tr> <th data-bbox="304 1032 571 1104">Location / type</th> <th data-bbox="571 1032 743 1104">Preliminary piles</th> <th data-bbox="743 1032 895 1104">Working piles</th> </tr> </thead> <tbody> <tr> <td data-bbox="304 1104 571 1211"><i>In the area of the western abutment</i></td> <td data-bbox="571 1104 743 1211">1</td> <td data-bbox="743 1104 895 1211">3</td> </tr> <tr> <td data-bbox="304 1211 571 1319"><i>In the centre of the Jangwani Valley</i></td> <td data-bbox="571 1211 743 1319">1</td> <td data-bbox="743 1211 895 1319">2</td> </tr> <tr> <td data-bbox="304 1319 571 1417"><i>In the area of the eastern abutment</i></td> <td data-bbox="571 1319 743 1417">1</td> <td data-bbox="743 1319 895 1417">3</td> </tr> </tbody> </table> <p>BOQ</p> <table border="1" data-bbox="304 1503 895 1944"> <thead> <tr> <th data-bbox="304 1503 400 1574">61.35</th> <th data-bbox="400 1503 724 1574">Load Test on Piles</th> <th data-bbox="724 1503 828 1574"></th> <th data-bbox="828 1503 895 1574"></th> </tr> </thead> <tbody> <tr> <td data-bbox="304 1574 400 1944">(i)</td> <td data-bbox="400 1574 724 1944">Maximum Load test on piles compression Test, diameter 1000mm, Length 35.00-55.00m, maximum load 2125kN and 2361kN as per drawing No. B1804-08-BR-0102 to B1804-08-BR-0104.</td> <td data-bbox="724 1574 828 1944">No</td> <td data-bbox="828 1574 895 1944">2</td> </tr> </tbody> </table>	Location / type	Preliminary piles	Working piles	<i>In the area of the western abutment</i>	1	3	<i>In the centre of the Jangwani Valley</i>	1	2	<i>In the area of the eastern abutment</i>	1	3	61.35	Load Test on Piles			(i)	Maximum Load test on piles compression Test, diameter 1000mm, Length 35.00-55.00m, maximum load 2125kN and 2361kN as per drawing No. B1804-08-BR-0102 to B1804-08-BR-0104.	No	2	<p><i>be deemed to be included in pricing of other items.</i></p> <p><i>Response will be provided in due course</i></p>	
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S/No	Issue/Questions				Clarification/Responses
	(ii)	Ultimate Load test on piles compression Test, diameter 1000mm, Length 35.00-55.00m, Ultimate Load determined as per SS613-U-3.	No	1	
Please Clarify on the Total number of tests to be done on piles for both the Preliminary piles and the Working piles. This should be clear for both the BOQ and the Specification. So that the Contractor can account for this in BOQ during tendering.					
40	Please provide the specific standards for waterproofing materials.				<i>Refer to Standrad; ASTM 6153</i>
<b>67.0 4</b>		<b>Other Elements for the Bridge</b>	<b>Unit</b>	<b>Quantity</b>	
(a)	Provision of waterproofing with varying surfacing thickness				
(i)	Providing and constructing waterproofing system against water effects on bridge decks as per drawing No. B1804-08-BR-0101 and 0192.		m <sup>2</sup>	18,341	
(ii)	Providing and constructing waterproofing system against water effects embedded structural parts (foundations, retaining walls, abutment walls, wing walls, etc.)		m <sup>2</sup>	8,451	
41	Disposal of the excavated materials and site restoration. 4.1 Disposal methods shall be in accordance with all federal state or local requirements. The Contractor shall dispose				<i>Refer Clarification No. 6 above</i>

S/No	Issue/Questions	Clarification/Responses
	<p>the dredged materials to a location to be instructed by the Engineer. This regulation has a great impact on the quotation. Is there any recommended disposal point?. Please clarify</p>	
42	<p>According to the Special Specifications, we can know the Asphalt PG76-16 is to be used, but the type of asphalt SP37.5 in the BOQ is PG70-16, is it correct? Please clarify.</p> <p><b>4201 SCOPE</b>  <i>Replace entire Clause 4201 of the Standard Specifications by the following:</i></p> <p><i>This section covers all work in connection with the construction of hot mixed bituminous concrete layers. These works include the procuring and furnishing of aggregate, bituminous binder, mixing at a central hot mixing plant, haulage, paving and compaction of the mixture, testing, etc., all as specified for the construction of virgin hot mixed bituminous materials.</i></p> <p><i>The major asphalt works are outlined below:</i></p> <ul style="list-style-type: none"> <li>• 50mm SURFACING (PG76-16) Superpave Mix</li> <li>• 60mm Binder Course (PG76-16)</li> <li>• 150mm DBM30 (25mm Nominal mix Superpave design)</li> </ul>	<p><i>Refer to Clarification No 13 above</i></p>
43	<p>a) We saw that in the document of Request of Bid, the completion period for works is 36 months, but on bidding document is 24 month, and</p> <p>b) 5B - Geotechnical Interpretation Report is not accessible, can not be opened.</p> <p>Please clarify the above question and send the accessible file.</p>	<p><i>Refer Clarification No. 20 above</i></p> <p><i>Refer Clarification No. 12 above</i></p>
44	<p>Since we have not yet to receive your response on request for clarifications, we are asking your good office to consider extending the submission date of the bid deadline by at least one month thus becoming 27<sup>th</sup> October 2023 to allow us study/prepare our tender properly</p>	<p><i>Response will be provided in due course</i></p>

Dropbox link for Issue/Questions No. 12 and 18

<https://www.dropbox.com/scl/fo/xsd4fi4hrv5bb6wnm31xj/h?rlkey=05f2oqcp34l1aznb32ui35npi&dl=0>