

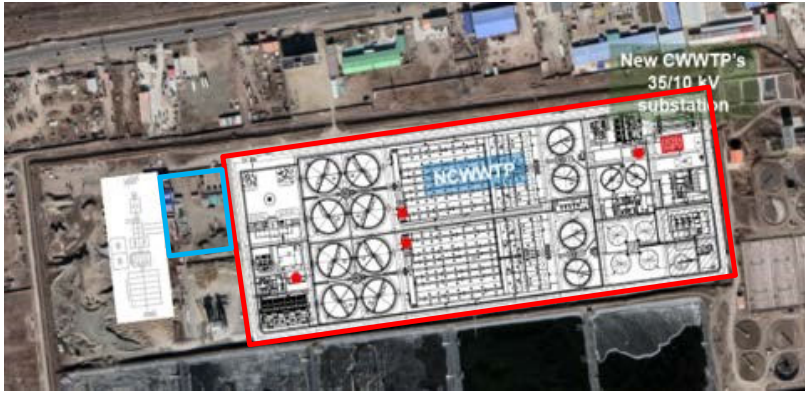
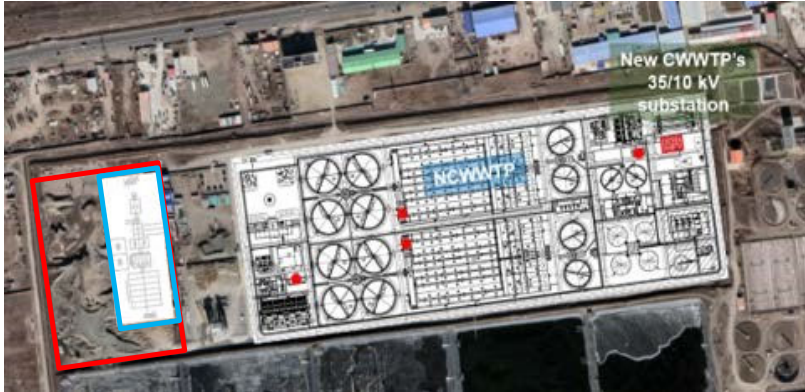
**CB No: MCA-M/CF/WRA/W-01**  
**Invitation for Bids for the Wastewater Recycling Plant Design-Build**

**ANSWERS TO CLARIFICATION QUESTIONS – ISSUE No. 11 (Question 173-182)**  
**January 17, 2022**

<p><b>Questions and Answers 1-32 were issued to all registered Bidders on August 24, 2021</b>  <b>Questions and Answers 33-35 were issued to all registered Bidders on August 27, 2021</b>  <b>Question and Answer 36 was issued to all registered Bidders on September 6, 2021</b>  <b>Questions and Answers 37-69 were issued to all registered Bidders on September 17, 2021</b>  <b>Questions and Answers 70-85 were issued to all registered Bidders on September 24, 2021</b>  <b>Questions and Answers 86-90 were issued to all registered Bidders on November 04, 2021</b>  <b>Questions and Answers 91-138 were issued to all registered Bidders on November 23 2021</b>  <b>Questions and Answers 139-165 were issued to all registered Bidders on December 3 2021</b>  <b>Questions and Answers 166-169 were issued to all registered Bidders on December 15 2021</b>  <b>Questions and Answers 170-172 were issued to all registered Bidders on January 7 2022</b></p>	
<b>Question 173:</b>	Referring to Form CON-2: Compliance with Sanctions Certification Form; kindly note that the website of SAM is not working; System for Award Management (SAM) Excluded Parties List - <a href="https://www.sam.gov/SAM/pages/public/searchRecords/search.jsf">https://www.sam.gov/SAM/pages/public/searchRecords/search.jsf</a> . Kindly advise how to proceed.
<b>Answer 173:</b>	Please visit SAM.gov using a VPN set to the US. Use the following steps to search for exclusions in SAM.gov. From any page on SAM.gov, select "Search" in the menu. From the Search page, select the plus sign next to "Select Domain." Select "Entity Information" from the list, then select "Exclusions". Next, enter an entity's name (entities from all countries), DUNS Number, Unique Entity ID (SAM), or CAGE code (US entities) To search for a person, you can search by their name, Social Security Number, or tax identification number (TIN) - (US entities).
<b>Question 174:</b>	<p>Referring to "Appendix 5 - List of Factory Inspection Tests":</p> <p>a) Testing is mentioned for Transfer Pump Station #1: effluent pumps (3 nos.) and VFD (5 nos.). kindly confirm if the contractor shall supply 5 VFD or 3 VFD for pump station # 1.</p> <p>b) If 5 VFD shall be supplied for transfer pumps station # 1 then kindly confirm the number of pumps that should be supplied by the bidders for pump station # 1 and if there is a new capacity that the bidders shall proceed with.</p> <p>c) Also Testing is requested for Transfer Pump Station #2: effluent pumps (5 nos.) and VFD (5 nos.), kindly confirm if the bidders shall supply 5 pumps and 5 VFD.</p>
<b>Answer 174:</b>	<p>Please find below the answers to the respective questions</p> <p>a) The contractor shall supply 3 VFD for pump station # 1. We apologize for the mistake listed in Appendix 5, factory inspection requirements under "factory testing of Transfer Pump Station #1".</p> <p>b) The Bidders shall supply 3 VFD-equipped pumps for pump station # 1. There is no new capacity to be considered (please follow the requirements of section 2.17.1 of ER).</p>

	c) The contractor shall supply 3 VFD for pump station # 2. We apologize for the mistake listed in Appendix 5, factory inspection requirements under “factory testing of Transfer Pump Station #2”.
<b>Question 175:</b>	<p>Referring to “Appendix 1 - Geotechnical Investigation Report for WRP”, page 15 of 69, WRP Preliminary layout:</p> <p>a) The layout shows the no. of pump station # 2 as 5 pumps instead of 3 pumps. kindly confirm if the bidders shall proceed with 3 pumps or 5 pumps for pump station # 2 and if there is a new capacity that shall be considered.</p> <p>b) The layout should have a legend so that the bidders can recognize the numbers from 1 to 10 mentioned in the layout. It seems that each number is referring to a certain point/description that is unknown to the bidders. Kindly advise</p> <p>c) Some buildings are shown in the new layout of appendix 1 (such as power building, chemical storage facility, ...). Kindly advise if the bidders shall follow the same arrangement/location of mentioned buildings.</p> <p>d) Many shaded areas can be found in Appendix 1 layout, kindly clarify what these shaded areas are referring to.</p> <p>e) In layout C-100; there was a road between Dual filters and disinfection contact basin while in appendix 1 layout the road is not existing anymore, kindly advise which layout shall be followed by the bidders.</p> <p>f) As mentioned in the employer requirements that A 6-meter-wide road is to be built around the WRP by the WRP Contractor. However, referring to appendix 1 layout; it is not look like a complete road around the plant. Kindly advise how the bidders shall proceed.</p> <p>g) In layout C-100; the proposed WRP has taking place in lower part of the suggested area (the area that is far away from the existing WWTP) while in appendix 1 layout; the proposed WRP was taking place in the upper part of the suggested area (the area that is near the existing WWTP). Kindly advise which area shall be used at this bid.</p>
<b>Answer 175:</b>	<p>Please find below the answers to the respective questions:</p> <p>a) The layout shown on page 15 is indicative, please follow the requirements listed in Table 2-12 of the Employer’s Requirements (Transfer Pump Station #2 Design Criteria). The number of pumps to be supplied and installed by the Contractor is 3 (2 duty, 1 standby) with a combined flow rate (2 in service) of 50,000 m<sup>3</sup>/day.</p> <p>b) Please follow the legend provided in the layout plans and sections given in Annex 3.1 of the Employer’s Requirements.</p> <p>c) The arrangement of buildings in the layout of appendix 1 is indicative, the Bidders may follow this arrangement or provide their own arrangement/location of mentioned buildings.</p> <p>d) The shaded areas correspond to possible arrangements for internal roads, parking, and access area to buildings and are indicative only. Bidders may follow this arrangement or provide their own arrangement for internal roads.</p>

	<p>e) In layout C-100 the area referred is not a road but a current small stream that will be eliminated under the project (no road is required between Dual filters and disinfection contact basin)</p> <p>f) Please refer to answer d) above, Appendix 1 shows a possible arrangement of internal roads around the WRP (except for the area separating the WRA with the new Central WWTP). The A 6-meter-wide road is to be built around the WRP by the WRP Contractor may follow this arrangement or a separate arrangement according to Bidder's design proposal.</p> <p>g) Please follow the layout given in layout C-100.</p>
<b>Question 176:</b>	Kindly note that energy required per year will exceed the 11 million and that will affect the capacity of transformer and diesel generator. Kindly advise how to proceed.
<b>Answer 176:</b>	The Bidders shall provide a price quotation to design (according to the Technical condition “Power Supply Technical Condition for WRP” enclosed as Appendix 3a of the Addendum No 5 issued by MCA-M on Jan-6-2022) and construct the parts of the power supply facility that are listed in section 2.17.16 of the Employer's Requirements. The permitted capacity of 1,010 kVA as stipulated in para. #5 of the Technical Condition cannot be exceeded.
<b>Question 177:</b>	Referring to ER clause 2.17.17 Heat supply facilities at the WRP; kindly note that area for TPS # 1, TPS # 2, sludge handling pump station, and MBBR mentioned in the table will not be enough and larger areas should be considered. Kindly advise
<b>Answer 177:</b>	The Heat Supply Technical Condition of the WRP is currently being discussed by MCA-M with the “Ulaanbaatar District Heating Network” State-Owned Joint Stock Company and the MoE with the purpose to obtain the Heat Supply Technical Condition. The total heat demand for all plants and facilities at WRP (Office, Garage, Chemical storage, TPS #1, TPS #2 Sludge handling Pump station, and MBBR) is estimated at 1000 kW or 0.86 Gcal/h as per preliminary estimation. However, the Heat Supply Technical Condition is expected to be issued for a maximum heat demand of 1.8Gcal/hour (actual heat demand is expected to be lower than this value). The point of connection for the heating supply is 1 <sup>st</sup> circuit pipeline of the New Central Wastewater Treatment Plant. The Bidder has to estimate the heat demand based on its design document and choose the appropriate capacity of the heat substation and heat supply relevant equipment.
<b>Question 178:</b>	Referring to ER clause 2.17.17 Heat supply facilities at the WRP; kindly advise if bidders shall keep with an area of 400 m <sup>2</sup> for chemical storage.
<b>Answer 178:</b>	The area of 400 m <sup>2</sup> for chemical building storage is indicative. Bidders shall design the storage area according to the chemical consumption (as per their /own/ process design e.g. dosing rates of the various treatment chemicals proposed) and storage requirements. Please refer also to Answer to Question #160.
<b>Question 179:</b>	There is no <u>trottoir</u> details at the road. Please kindly provide.
<b>Answer 179:</b>	<p>The road-construction code has a category for the road inside the industrial facilities. The road shall have a minimum of 2 lanes with a width of 3.5 m for each lane and 1 m for landscaping and lighting. The sidewalk's width is 1.5 m. Max slope gradient is 6 degrees, and the road pavement should be similar to the access road /concrete.</p> <p>USUG and Engineer will recommend the sidewalk paver, and the most common material is interlock blocks in Ulaanbaatar.</p>

<b>Question 180:</b>	At the Employer Requirement Subclause 2.13.1.3 Fencing of Site, “The final WRP site shall be enclosed by a 2.4 m high chain-link wire security fence with an overhang, and razor wire coils.” written. But there is no information about bottom side. Please kindly provide.
<b>Answer 180:</b>	Please refer to ER’s subclause 2.13.7 / post setting material/ and subclause 2.13.9 / Chain link framework installation.
<b>Question 181:</b>	Will demolish the buildings which are seen at the existing air maps seen in the upper right corner? Please kindly clarify.
	
<b>Answer 181:</b>	The Bidder’s question is ambiguous. Note that buildings/facilities within the red square are part of the New Central Wastewater Treatment Plant, and do not belong to the WRP project boundary. The structure in the blue square is the campsite for the NCWWTP’s EPC contractor within a buffer zone and will not be demolished. Westside of the Blue square is the area designated for the WRP. Please see the highlighted portion of answer 182.
<b>Question 182:</b>	We lean to the right the WRP area. We understand you request to the right side regard to the Employer Requirement Subclause 2.2.1.4 Services for Site Use. Please kindly clarify
	
<b>Answer 182:</b>	Highlighted in the red square points the boundary of the WRP site. The blue rectangular shows the indicative location of the WRP treatment trains/processes. The location of temporary buildings, services, and staging area and the final location of the treatment trains/processes shall be determined by the Bidder. The final layout and location of temporary buildings, services, and staging areas shall be approved by the Engineer during the execution of the project.