

CB No: MCA-M/CF/WRA/W-01**Invitation for Bids for the Wastewater Recycling Plant Design-Build****ANSWERS TO CLARIFICATION QUESTIONS – ISSUE No. 9 (Question 166-169)
December 15, 2021**

<p>Questions and Answers 1-32 were issued to all registered Bidders on August 24, 2021</p> <p>Questions and Answers 33-35 were issued to all registered Bidders on August 27, 2021</p> <p>Question and Answer 36 was issued to all registered Bidders on September 6, 2021</p> <p>Questions and Answers 37-69 were issued to all registered Bidders on September 17, 2021</p> <p>Questions and Answers 70-85 were issued to all registered Bidders on September 24, 2021</p> <p>Questions and Answers 86-90 were issued to all registered Bidders on November 04, 2021</p> <p>Questions and Answers 91-138 were issued to all registered Bidders on November 23, 2021</p> <p>Questions and Answers 139-165 were issued to all registered Bidders on December 3, 2021</p> <p>Questions and Answers 166-169 were issued to all registered Bidders on December 15, 2021</p>	
Question 166:	<p>Kindly advise when in December we will get your feedback for the following points:</p> <ul style="list-style-type: none"> • Surge system (answer 139): Please refer to answer to question # 81 and #106. The addendum related to the surge system will be issued by MCA-M to all Bidders in December 2021; • Heat trace requirements (answer 154): An addendum will be issued provided further definition of the heat trace requirements which are considered to be industry standard; • (Answer 92): However, the requirements included in the Employer’s Requirements are very general and not describing the factory acceptance test related requirements in detail. Therefore, MCA Mongolia is planning to an amendment to the Employer’s Requirements with the purpose to clearly determine the factory acceptance test related requirements; • (Answer 94): Note: for the Item 1.10 an English translation of the Power Supply Technical Condition will be provided to Bidders through issuing an amendment to the ER.
Answer 166:	<p>We are sorry that an incorrect information was provided in answer to the question 139. The Consultant still has not done yet the Hydraulic Calculation of the Conveyance System (due to non-completion of the recycled water transmission pipeline’s route determination) therefore, this information cannot be provided to the Bidder through issuing an addendum in December 2021. Kindly refer to the rest of the answer to question 139: “Bidders shall assume with a wide-range of reserve for the design of surge protection vessels considering basic information provided in the drawings indicated in Annex 3.1 of the Employer’s Requirements and the information indicated in Table 2-12 (Transfer Pump Station #2 Design Criteria), such as the pump flow capacity, Total Dynamic Head (TDH) and Estimated Pump motor.”</p> <p>We are sorry that an incorrect information was provided in answer to the question 154. Kindly refer to the revised answer to question 154: The Bidder is required to propose a facility which is operable in the local climatic conditions and it is likely that the Bidder’s design will require some heat tracing to be installed. The Bidder should prepare its design in a way that minimizes heat tracing requirements for example pipes should be installed sufficiently below grade to be below the freezing level where possible. As per practical experience in Mongolia all measuring devices always required to be installed indoor but not outside in a harsh environment. However, if due to a specific requirement (require to have a straight section to both sides) for installing an orifice outside then the impulse lines</p>

	<p>might need to have a heat tracing besides the heat insulation. Where heat tracing cannot be avoided it should be provided to industry standard and practical requirements. In addition to heat tracing, please refer to ER section # 2.19.59 (Pipe Insulation), section # 2.19.59.1 for above ground insulation and section # 2.19.59.2 for above ground pipe insulation. Thermal insulation (field applied) using standard products are recommended. Bidders shall make their own proposal for insulation material and pipe insulation works as per these Specifications and the specified ASTM standards. Kindly note that as per Mongolian industrial practice specific instruments (such as bulk flow meters or pressure data loggers or transmitters) are installed indoor where feasible, and where not feasible installed outdoor with the necessary electrical heat tracing beside applying thermal insulation.</p>
Question 167:	Referring to answer 96; it is understood that vehicles on rent shall be supplied by the bidders and not a brand new as specified in ER 2.6.17. kindly confirm.
Answer 167:	Rental vehicles supplied by the bidders shall not be used vehicles. This is due to difficulty associated with accurate assessment of the actual conditions and suitability of the used vehicles considering the severe operating conditions in an arid, dusty, environment subject to both hot and cold weather extremes.
Question 168:	Referring to answer 112; kindly provide us with the following files: Compact clause 2.8 and Program Implementation Agreement (PIA) clauses 2.13 and Annex V and Program Implementation and Agreement Annex V- Tax Schedules, Schedule B.
Answer 168:	The requested information can be obtained from MCA-Mongolia's website https://mca-mongolia.gov.mn/en/mca-mongolia Policies and Documents section.
Question 169:	<p>Referring to spare parts it is still not clear if the contractor shall supply spare parts for each item. For example: three influent pumping station (pumping station 1) will be supplied by the contractor so shall he supply three No. or one No. of the following spare parts:</p> <ul style="list-style-type: none"> • replacement impeller and each type of bearing or bushing; • Sufficient seals, sealing rings, wear ring, O-rings, shaft sleeves, packing, gaskets, etc. and replacement parts for annual or shorter service periods for each unit over five years; • Three-year supply of lubricants; • Suction and discharge pressure gauge including cocks and snubbers.
Answer 169:	<p>The pump or equipment item vendor's recommendations shall be followed by the Contractor for supply of spare parts. These spare parts shall be available to the Employer at the taking over certificate and any spare parts, over and above the quantities recommended by the pump vendor, required during erection, pre-commissioning and commissioning shall be supplied by the pump vendor without any commercial implications to the Owner.</p> <p>In general, any item which has a service life of less than two years shall be supplied for each unit. Any consumable shall be supplied for each unit. In the example asked any replacement parts for annual or shorter service period for each unit shall be provided for each unit. The lubricants shall be provided for each unit. For the other items listed if the manufacturer recommends in its published literature or if the expected service life is less than five years one shall be provided for each individual pump. In the absence of a manufacturer's recommendations and for items generally expected to last more than one year then one set for each size of item may be provided.</p>

