

CB No: MCA-M/CF/DWA/W-01

Bidding Document For Construction Works of an Advanced Water Purification Plant (AWPP) and SCADA Controls (CP 2)

ANSWERS TO CLARIFICATION QUESTIONS – ISSUE NO. 3 (QUESTIONS 116-169) February 4, 2021

ANNEX 3 TO THE MINUTES OF THE PRE-BID CONFERENCE OF JANUARY 27, 2021.

<p>Questions and Answers 1-7 issued to all registered Bidders on January 11, 2021</p> <p>Questions and Answers 8-115 issued to all registered Bidders on January 25, 2021</p> <p>The following responses to Question 112 and 115 are updated from Clarification 2 issued to all registered Bidders on January 25, 2021</p>	
<p>Question 112:</p>	<p>Please clarify the rating of submersible pump motor written as 460V and 60 Hz in Specifications 11305 / 2.03 /G.</p>
<p>Answer 112:</p>	<p>Please refer to 00 D-006 for more detailed motor ratings. The motor voltage should be 400 VAC with 50 Hz service. See also 16220 Clause 2.02.G.2.</p>
<p>Question 115:</p>	<p>Technical Specification combine various Standards such as IEC, Nema, UL etc. Please advise which Standard is acceptable – as IEC Standards are cost effective and easy to reach after sales operations in the Region. Please see under the “SECTION 16050 ELECTRICAL WORK – GENERAL” part 1.3 (as below)</p> <p style="margin-left: 40px;">1.3 REFERENCES:</p> <p style="margin-left: 80px;">A. National Electrical Safety Code (NESC)</p> <p style="margin-left: 80px;">B. Occupational Safety and Health Administration (OSHA)</p> <p style="margin-left: 120px;">1. OSHA Part 1910; Subpart S, 1910.308</p> <p style="margin-left: 120px;">2. OSHA Part 1926; Subpart V, 1926.950 through 1926.960</p> <p style="margin-left: 80px;">C. National Fire Protection Association (NFPA)</p> <p style="margin-left: 120px;">1. ANS/NFPA 70B: Electrical Equipment Maintenance</p> <p style="margin-left: 120px;">2. NFPA 70E: Electrical Safety Requirements for Employer Workplaces</p> <p style="margin-left: 120px;">3. ANS/NFPA 70: National Electrical Code</p> <p style="margin-left: 120px;">4. ANS/NFPA 780: Lightning Protection Code</p> <p style="margin-left: 120px;">5. ANS/NFPA 101: Life Safety Code</p> <p style="margin-left: 80px;">D. National Electrical Manufacturers Association (NEMA)</p> <p style="margin-left: 80px;">E. International Electrotechnical Commission (IEC)</p> <p style="margin-left: 80px;">F. Insulated Cable Consultants Association (ICEA)</p> <p style="margin-left: 80px;">G. Instrument Society of America (ISA)</p> <p style="margin-left: 80px;">H. Underwriters Laboratories (UL)</p> <p style="margin-left: 80px;">I. Factory Mutual (FM)</p> <p style="margin-left: 80px;">J. International Electrical Testing Association (NETA) – Acceptance Testing Specification for Electric Power Distribution Equipment and Systems (STD)</p> <p style="margin-left: 80px;">K. Institute of Electrical and Electronics Engineers (IEEE)</p> <p style="margin-left: 80px;">L. All inspections and tests shall utilize the following references:</p> <p style="margin-left: 120px;">1. Project Design Specifications</p> <p style="margin-left: 120px;">2. Project Design Drawings</p> <p style="margin-left: 40px;">60598209 16050-3</p>

Answer 115:	Bidders shall bid based on the specifications and drawings as provided. The successful bidder may propose substitutions following Specification section 01630. The Contractor will be responsible for demonstrating equivalency to the specifications to the Engineer's satisfaction. The Contractor shall be responsible for coordination between all items including any approved substitution. Compliance with IEC Standards is acceptable.
The following are the responses to questions received since the issuance of Clarification #2 on January 25, 2021, but before or during the Pre-Bid Conference of January 27, 2021.	
Question 116:	With regard to Form EXP-1: General Construction Experience; Form EXP-2: Similar Construction Experience; Form EXP-3: Specific Construction Experience in Key Activities. Please note that few of our contracts are in different currency other than USD. Kindly inform us the date and source of exchange rate to be considered for converting such contract amounts to USD.
Answer 116:	Bidders should indicate the Contract value in the currency of that contract and its equivalent value in USD, using the exchange rate from the OANDA website https://www.oanda.com/bvi-en/ at the date of Contract award.
Question 117:	<p>With regard to Section I: Instructions to Bidders 5. Eligibility Eligible Bidders Clause Number 5.2 and clause Number 5.3 states: <i>“A Bidder, all parties constituting the Bidder, and any subcontractors and suppliers for any part of the Contract, including related services, may have the nationality of any country, subject to the nationality restrictions specified in this Section 5. An entity will be deemed to have the nationality of a country if such entity is constituted, incorporated, or registered in, and operates in conformity with, the provisions of the laws of that country.”</i></p> <p>We have read Clause 5 of Section I of the IFB and cannot find any list of eligible countries. Kindly provide the same.</p>
Answer 117:	<p>Bidders are encouraged to visit the websites of the US Department of State and the US Department of Treasury for updates on embargoed countries.</p> <p>https://www.state.gov/state-sponsors-of-terrorism/</p> <p>Where is OFAC's Country List? What countries do I need to worry about in terms of U.S. sanctions? U.S. Department of the Treasury</p> <p>Sanctions Programs and Country Information U.S. Department of the Treasury</p> <p>Furthermore, the requirements and restrictions for Eligible Materials, Equipment, and Services are set forth in IFB Section I - Instructions to Bidders - ITB 6. Per ITB 6.1, the restrictions on the nationality of the supplier described in ITB 5.3 are also applicable to the country of origin of the materials, equipment, and services supplied. Bidders should note that, per ITB 6.2 and 6.3, the origin of materials, equipment, and services is distinct from the nationality of the Bidder, and that “origin” means the place where the materials and equipment are mined, grown, cultivated, produced, manufactured, or</p>

	<p>processed, and from which the services are provided, as further described in ITB 6.2.</p> <p>For Government Owned Enterprises, please refer to the responses to Questions 2, 3 and 4 of IFB Clarification 1 issued on January 25, 2021.</p>
Question 118:	We cannot find the ineligible country list. Please tell us where to find it.
Answer 118:	Please refer to the response to Question #117.
Question 119:	Are China and Russia are eligible countries?
Answer 119:	Please refer to the response to Question #117.
Question 120:	Is there any restriction for source of countries and are Asian countries allowed to participate?
Answer 120:	Please refer to the response to Question #117.
Question 121:	When will the CP1 (Construction of Downstream Wellfield Wells at Shuvuun and Biokombinat) tender be announced?
Answer 121:	MCA-Mongolia is only responding to questions on this procurement for the AWPP and SCADA Controls at this stage. The dates for the issuance of other construction procurement documents have not yet been published; however, any firm that had registered for this current procurement will receive the relevant Procurement Notices to be released in the future.
Question 122:	As per global tendering practice if the project execution period is greater than 24 months, price escalation is applicable. We understand the same is applicable for this tender as well. Kindly confirm our understanding.
Answer 122:	<p>Bidders are referred to ITB 15.5 of Section II of the IFB – Bid Data Sheet, which states <i>“The prices quoted by the Bidder shall not be subject to adjustment.”</i></p> <p>ITB 15.6 states that <i>“prices quoted by the Bidder shall be fixed during the Bidder’s performance of the Contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.”</i></p> <p>Bidders should ensure this is accounted for when submitting their Lump Sum Bid.</p>
Question 123:	The deadline for Bid submission is: Date: March 02, 2021 Time: 10 am Ulaanbaatar time (GMT+8), Mongolia. We kindly ask you to extend the deadline of Bid submission.
Answer 123:	Please refer to the response to Question 99 of IFB Clarification 1 issued on January 25, 2021. To date MCA-Mongolia as not issued any changes to the Technical specifications or bidding requirements that are significant enough to

	warrant an extension. As such, the Bid Submission date is currently maintained as March 2, 2021.
Question 124:	Looking at the exhaustive details requested by Company, Could you please provide any extension to Bid submission deadline?
Answer 124:	Please refer to the response to Question #123.
Question 125:	Will there be any further addendums or changes? As we notice there is already 3 Addendums since December 2020. The deadline is March 2nd, so it will be strange if you keep doing even small changes.
Answer 125:	Please refer to the response to Question #123.
Question 126:	<p>With regard to Section IV: Bidding Forms – Appendix to Bid Advance Payment 14.2 states <i>“Plant and Materials intended for the Works 14.5(b)(i) 14.5(c)(i) In the table of Plant and Materials immediately below, Bidders shall indicate the major items of Plant and Materials and the proposed country of origin for each.”</i></p> <p>We understand that the advance payment will be 15% and 60% up to supply. However, it is not clear how interim payments will be made for construction and upon commissioning. Kindly provide a detailed break up of payment terms.</p>
Answer 126:	<p>Conditions of Contract Sub-Clause 14.2 in the Appendix to Bid states: <i>“Total advance payment shall be: Fifteen percent (15%) of the Accepted Contract Amount less Provisional Sums and shall be payable in the currencies and proportions in which the Accepted Contract Amount is payable.....”</i></p> <p>There is no reference or linkage to Conditions of Contract Sub-Clause 14.2 in Sub-Clause 14.5. The Conditions of Contract Sub-Clause 14.5 is not an Advance Payment. The Appendix to Bid adds a table to Conditions of Contract Sub-Clauses 14.5(b)(i) 14.5(c)(i) and states that <i>“60% Payment shall be made for Electro-Mechanical Plant and Materials when delivered and accepted at Site.”</i></p> <p>Note that this does not pertain to all supplies and is not an Advance Payment. For payment of the remaining 40% of Electro-Mechanical Plant and Materials please refer to the response to question 13.</p> <p>With regard to interim payments, final payments and retention money payments, please refer to Conditions of Contract Clause 14 - Contract Price and Payment. General Conditions shall be those forming the General Conditions of the “Conditions of Contract for Construction,” First Edition, 1999, as prepared by the Fédération Internationale des Ingénieurs-Conseils (“FIDIC”) as amended by MCA-Mongolia’s Particular Conditions of Contract.</p> <p>Contract Clause 14 “Contract Price and Adjustment” with the following Sub-Clauses:</p>

	<p>14.1: The Contract Price 14.2: Advance Payment 14.3: Application for Interim Payment Certificates 14.7: Payment 14.8: Delayed Payment 14.9: Payment of Retention Money 14.11: Application for Final Payment Certificate</p>
<p>Question 127:</p>	<p><i>With regard to Section III, 2.4 Experience, 2.4.2 Similar Experience. The IFB states: “Participation as contractor, management contractor, or subcontractor, in at least three (3) contracts within the last ten (10) years, each with a value of at least seventy million US Dollars (\$70,000,000), that have been successfully and substantially completed and that are similar to the proposed Works. The similarity shall be complexity and methods/technology and projects which include significant process equipment installation, significant electrical and controls construction, significant piping and other mechanical construction, in addition to civil and structural work to hours and support the mechanical and electrical work. Each member must meet requirement.”</i></p> <p>We consider this requirement to be illogical and excessive. By setting it up such high requirement, i.e., that “Each member must meet requirement” the Employer will automatically exclude participation of any JV. Usually, only one JV partner should fulfill requirement. Therefore, we are kindly asking to reconsider this requirement and to propose some which will not exclude bidders from the bidding process.</p>
<p>Answer 127:</p>	<p>The experience described in factors 2.4.1 and 2.4.2 of Section III of the IFB (“General Experience” and “Similar Experience”) are those experiences MCA-Mongolia deems essential for a party that would be severally liable for the full scope of the Contract. As such, each member of a JV must meet the requirements as detailed in these two factors. In contrast, each of the “Specific Experiences in Key Activities” listed under factor 2.4.3 must be met either by at least one of the JV members or by a subcontractor (and could be a different JV member or subcontractor for each of the four enumerated Key Activities). Further, the “Environmental and Social Management Experience” and “Health and Safety Management Experience” (Factors 2.4.4 and 2.4.5) must be met by at least one member of the JV (and could be a different member for 2.4.4 vs. 2.4.5).</p> <p>If an entity is needed to meet one or more of the enumerated “Specific Experiences in Key Activities” but that entity cannot meet the requirements for a JV member, then the Bidder may consider bringing that entity into the Bid as a subcontractor.</p>

Question 128:	<p>Section III – PQ Requirement – Clause 2.4.2 Similar Experience – It ask for three (3) contracts within the last ten (10) years, each with a value of at least seventy million US Dollars (\$70,000,000) – To be met by each JV Partner.</p> <p>We request the clause related to each JV Partner to be removed – As if all the JV Partner has to meet the PQ, then the sole purpose of having JV is lost. Key Purpose of having JV is that shortfall of one partner is fulfilled by another partner, but if all JV partner has to meet the PQ then JV is not required.</p>
Answer 128:	Please refer to the response to Question #127.
Question 129:	<p>Further we would like to highlight in all the Pre-Qualifications under clause 2.4.2 Similar Experience & clause 2.4.3 Specific Experience in Key Activities has specified the value of Project – For Example 70 Mn or 25 Mn or 35 Mn. We would like to highlight different countries will have different capex value of executing each item depending on the demand, supply, Tax Regime, etc. Water, wastewater, or industrial water treatment systems will cost lower in India and higher in Africa. Therefore, we would request if instead of Contract Value if the Size/Capacity of specific PQ can be asked, which will invite more bidders having relevant experience of executing such projects.</p>
Answer 129:	<p>Whilst we note the comments on different countries or funding entities having <i>“different capex value of executing each item depending on the demand, supply, tax regimes etc.”</i>, MCA-Mongolia has set suitable qualification criteria for this project. Please refer to the response to Question #127.</p>
Question 130:	Request you to reconsider the criteria for clause 2.4.1 and 2.4.2
Answer 130:	Please refer to the response to Question #127.
Question 131:	<p>The retention up to 10% of the Contract value is high for such size of project. We request that MCA-Mongolia reduces the upper limit of retention to 5%. We also request that part of the retention can be replaced by a bank guarantee</p>
Answer 131:	<p>The limit of retention money shall remain at Ten percent (10%) of the Contract Price as set forth in Contract Sub-Clause 14.3 (c). With regards to the retention money guarantee, please refer to Particular Condition of the Contract Sub-Clause 14.9 Payment of retention money.</p>
Question 132:	What is the special requirement for subcontractors from Mongolia
Answer 132:	<p>There are no special requirements for local subcontractors. While foreign bidders may consider the benefits of Mongolian Subcontractors, there are no specific requirements to do so; and no preference is given to this during evaluation. As stated in IFB Section I - Instructions to Bidders - ITB 35 states <i>“No Margin of Preference: In accordance with the MCC Program Procurement Guidelines, a margin of preference for domestic Bidders shall not be used.”</i></p>

Question 133:	We could not open "2. Technical specifications and Performance requirements (with Appendix A-E)-updated as of 21 Jan 2021" All other files were opened without problem.
Answer 133:	Numerous individuals were able to open this file without any problems. This may be an issue with your server.
Question 134:	Please clarify if there will be Withholding Tax
Answer 134:	<p>In accordance with the Program Implementation Agreement Annex V Tax Schedules C (Corporate Income Tax) and D (Individual Income Tax), the Contractors and their staff are exempt from withholding income taxes under the Compact, with exception to legal entities formed under the laws of Mongolia for corporate income tax, and Mongolian nationals and permanent residents of Mongolia for individual income tax.</p> <p>With regard to tax compliances, please refer to the Compact 2.8 Taxes section and Program Implementation Agreement 2.13 Tax exemption implementation section and Program Implementation Agreement Annex V. Tax schedules, respectively.</p>
Question 135:	We wish to know whether all the Mongolian citizens engaged in the job in the category of skilled, unskilled and semiskilled are eligible for exemption of income tax and social insurance.
Answer 135:	<p>Please refer to the response to Question #134.</p> <p>Also, with regard to the project tax compliances, please refer to the Compact 2.8 Taxes section and Program Implementation Agreement 2.13 Tax exemption implementation section and Program Implementation Agreement Annex V. Tax schedules respectively.</p> <p>With regard to social insurance, please refer to Program Implementation Agreement Annex V Schedule E (Social Insurance), all Natural Persons performing work in connection with the Compact is exempt from social insurance, with exception to natural persons who are citizens or permanent residents of Mongolia.</p> <p>Therefore, citizens and permanent residents of Mongolia are not exempt from payment of income tax and social insurance.</p>
Question 136:	Does the Main Contractor need a construction license in accordance with Mongolian law for execution of construction works?
Answer 136:	<p>Clauses 45.2 and 45.3 of the Law of Mongolia on Construction provide two options for Foreign individuals and legal entities (Foreign Contractors) to consider:</p> <ol style="list-style-type: none"> i. Clause 45.2 states <i>“A foreign legal entity in order to carry out construction activities shall obtain a license as set forth in the clauses 19 and 20 of this law.”</i>

	<p>ii. Clause 45.3 states: <i>“Unless otherwise specified in the legislation of Mongolia, the foreign entities to perform the construction activities to be funded from the state or local state budget or funded by the foreign aid or loan shall perform the activities in cooperation with the authorized Mongolian legal entity through entering into a contract as provided in this law.”</i></p>
Question 137:	Since this is an open book contract, is it allowed to declare the approved budgeted value of this Contract or does it remain confidential?
Answer 137:	The MCC Program Procurement Guidelines do not allow for Budget estimates for Works to be released.
Question 138:	Is there any planned budget cost?
Answer 138:	Please refer to the response to Question #137.
Question 139:	Are there still COVID-19 restrictions for visitors to enter into Mongolia even for the bidders - That is to observe the construction site.
Answer 139:	<p>As stated in IFB Section II - Bid Date Sheet – ITB 8.2 states;</p> <p><i>“Due to current travel restrictions related to Covid-19 pandemic, MCA-Mongolia will not organize a site visit, nor does it encourage Bidders to visit the site. In place of the site visit, MCA-Mongolia shall present Bidders with a site video at the Pre-Bid conference detailed in ITB 8.4. Bidders are reminded that the aforementioned video is for information purposes only and the Bidder is fully responsible for ensuring its bid is based on the Bidding documents as provided herein.”</i></p> <p>These travel restrictions remain in force and MCA does not encourage Bidders to visit the site.</p>
Question 140:	Will there be any assistance by MCA for the flight of a foreign Contractor during COVID restrictions?
Answer 140:	<p>There is currently a restriction on border crossings until March 31st, 2021 and the Contract will not have been awarded by that time. MCA-Mongolia cannot advise if these restrictions will continue beyond this and up to the date of Contract award and Mobilization of the Contractor. If, however it does, MCA-Mongolia may consider provision of assistance as follows:</p> <p><u>Pre-award:</u> At the sole discretion of MCA-Mongolia, it may assist the successful Bidder with travel assistance for any pre-award meeting or Contract signing. If necessary, MCA-Mongolia shall extend its support to the Contractor’s request for inclusion of its authorized representatives to the official charter flight list approved by the Government of Mongolia.</p>

	<p><u>After Contract award:</u> At the sole discretion of MCA-Mongolia, it may assist the Contractor with travel assistance. If necessary, MCA-Mongolia shall extend its support to the Contractor's request for inclusion of its Key Personnel to the official charter flight list approved by the Government of Mongolia. Under no circumstances shall travel assistance provided by the Employer imply any financial cost to the Employer. All travel costs associated with the Contract execution are to be borne by the Contractor.</p> <p>While MCA Mongolia may consider the provision of the above mentioned assistance, the successful Bidder is fully responsible for fulfilling its Contractual obligations.</p>
Question 141:	<ul style="list-style-type: none"> a) We see that the meeting is being recorded. Will it be shared with the participants? b) Will the presentations be shared with all the participants? c) Will this video be shared with all the participants?
Answer 141	<ul style="list-style-type: none"> a) The recording of the event shall not be issued to participants. However, in accordance with IFB Section II - Bid Data Sheet – ITB 8.6 - Minutes of the Pre-Bid Conference is issued to all registered Bidders and posted on the MCA-Mongolia website. Annexed to the minutes are: (i) Contact List of Participants; (ii) PowerPoint Presentations; (iii) Questions and Answers. b) As above. c) As above.
Question 142:	<ul style="list-style-type: none"> d) Is that possible to form a joint venture with the company of other countries, i.e., South Korea, Japan and Malaysia?
Answer 142:	<p>Yes, subject to MCC's eligibility requirements. Please refer to the responses to:</p> <ul style="list-style-type: none"> i. Questions 2, 3 and 4 of IFB Clarification 1 issued on January 11, 2021; ii. Questions 72, 88 and 100 of IFB Clarification 2 issued on January 25, 2021; d) Questions 117 to 120 in this IFB Clarification 3.
Question 143:	Must foreign contractors have subcontractors from Mongolia or not?
Answer 143:	<ul style="list-style-type: none"> iii. While foreign bidders may consider the benefits of Mongolian Subcontractors, there are no specific requirements to do so; and no preference is given to this during evaluation. As stated in IFB Section I - Instructions to Bidders - ITB 35 states <i>"No Margin of Preference: In accordance with the MCC Program Procurement Guidelines, a margin of preference for domestic Bidders shall not be used."</i>
Question 144:	We are interested in providing a Subcontractor quote for Sections 13300 - 13355 to Prime Contractors. Will a list of Attendees be provided in the minutes of this meeting?

Answer 144:	Please refer to the response to Questions 5 and 6 (a) of IFB Clarification 1 issued on January 11, 2021, and Question 141 in this IFB Clarification 3.
Question 145:	We are interested in providing Subcontractor quotation on civil and mechanical works to Prime Contractors specializing in water facilities. Can we receive list of bidders?
Answer 145:	Please refer to the response to Questions 5 and 6 (a) of IFB Clarification 1 issued on January 11, 2021; and Question 141 in this IFB Clarification 3.
Question 146:	We are a Mongolian NGO with over 160 construction companies' members companies looking forward to cooperating and partner with Bidders for the MCA's construction tenders. Bidders are welcome to contact us.
Answer 146:	Please refer to the response to Questions 5 and 6 (a) of IFB Clarification 1 issued on January 11, 2021; and Question 141, in this IFB Clarification
Question 147:	We seek contact with any subcontractor candidates especially for RO system. subcontractor candidates are welcome to contact us.
Answer 147:	Please refer to the response to Questions 5 and 6 (a) of IFB Clarification 1 issued on January 11, 2021; and Question 141, in this IFB Clarification
Question 148:	Are foreign bidders (entities) obliged to have Mongolian Special Licenses for execution of design and performance of works i.e., to obtain construction work permits, for handover of works etc.?
Answer 148:	Please refer to the response to Question 136 in this IFB Clarification.
Question 149:	For Section 3 kindly inform the Substantial completion percentage?
Answer 149:	<p>MCA-Mongolia assumes the question refers to IFB Section III - Bid Review, Evaluation Criteria, and Bidder Qualification Requirements; Qualification Criteria 2.4.2 Similar Experience “Participation as contractor, management contractor, or subcontractor, in at least three (3) contracts within the last ten (10) years, each with a value of at least seventy million US Dollars (\$70,000,000), that have been successfully and substantially completed... “</p> <p>If so, Substantial Completed means that the construction or building project or a designated portion of the project is sufficiently complete, in accordance with the construction contract documents, so that the owner may use or occupy the building project or designated portion thereof for the intended purpose.</p>
Question 150:	With regard to the Design parameters for the Plant in the 100% Tender Document Submittal Design Specifications - We understand that the source of Water is brackish water. Also kindly provide the inlet and outlet parameters for which the RO plant has been designed in order to understand the RO configuration.
Answer 150:	The source of water is not brackish. It is groundwater however; polluted surface water will recharge ground water during the extraction. The inlet water quality

	parameter is shown in specification 13025. Outlet water quality must meet Mongolian drinking water standard MNS0900-2018.
Question 151:	What will be the size of AWPP?
Answer 151:	The AWPP will encompass an area of approximately 5 hectares and will be capable of an influent source water flow of up to 90,000 m ³ /day and a treated water flow of 75,000 m ³ /day (with redundant unit processes).
Question 152:	Since the equipment and capacities are selected in the technical specifications, please confirm that there are no performance guarantees requested for the treated water.
Answer 152:	Please refer to specification 01650 Test on Completion Requirements. Note that section 1.16, I, within this specification, requires the Contractor to transition from the Commissioning Test to Acceptance Testing “only after testing of finished water quality as summarized in Exhibit 2 to this specification. The stringent of the two standards shall be the basis of acceptance (USEPA or Mongolian National Standards (MNS))”. The Contractor is required to comply with all requirements described in 01650. Refer to section 01650, 1.19 and General Conditions of Contract (FIDIC) sub clause 10.1 and 10.2 with regard to acceptance and Taking-Over Certificate.
Question 153:	We understand the RO Skids have to be designed by the Bidder. Can you please confirm the guaranteed inlet and outlet parameters
Answer 153:	Please refer to Specification sections 13025 and 13025A.
Question 154:	We could not find the BoQ.
Answer 154:	Please refer to Specification Section 01025 which describes measurement and payment and reference to the Letter of Bid in the IFB.
Question 155:	Operation hours are 7.00am to 5pm. It is not convenient because of short construction period in Mongolia.
Answer 155:	Please refer to Specification 01030 Special Requirements, section 1.20, A, 1, “No outdoor activity on or adjacent to the site will be permitted before 7:00 a.m. or after 5:00 p.m., unless other arrangements are made with the Owner.” Note that the Contractor can make a request to the Engineer and the Employer for longer working hours with demonstration on how it will improve the schedule. Bidders should state their assumptions of working hours in Form Tech-3. Contractor is required to comply with noise control requirement described in specification 01110 at all times.
Question 156:	Will we be provided with milestones for whole project including the AWPP
Answer 156:	Please refer to the response to Question 101 (c) of IFB Clarification 2 issued on January 27, 2021.

Question 157:	With regard to the SCADA Network, Drawings 1 and 2 showing primary and secondary servers separate for SCADA and Historian. Can we consider common servers for SCADA and Historians if SCADA have inbuilt historian?
Answer 157:	No, the SCADA and historian servers shall be separate as shown in the design.
Question 158:	<ul style="list-style-type: none"> a) Is there any engineering service requested in the scope of the Bid? For example, the equipment and capacities are selected in the technical specifications for RO system. b) Will the Bidders be requested to recalculate the calculations in their Bid?
Answer 158:	<ul style="list-style-type: none"> a) Note that the Contractor is responsible for the RO System Supplier who will provide the design of the RO system in accordance with specification 13025. Bidder may seek to clarify any specific details of the RO design in questions during this procurement process. b) Bidder shall follow the drawings and specifications for the RO system.
Question 159:	We understand the RO Skids have to be designed by the Bidder. Can you please confirm the guaranteed inlet and outlet parameters?
Answer 159:	Refer to Specification Section 13025, subsection 2.02 DESIGN AND PERFORMANCE AND WARRANTY REQUIREMENTS which lists anticipated RO inlet water quality for the RO system and the required RO permeate quality
Question 160:	In the drawing 00-D-011 Hydraulic profile, there are 2 Phases described. Please confirm that the Bid shall be prepared according to Phase-1.
Answer 160:	The Bids shall be based on Phase I only.
Question 161:	<ul style="list-style-type: none"> a) What is the collecting point (and how it is far away from the AWPP plant) for concentrate water stream which will be produced in RO stage? b) Regarding the concentrate transport & discharge, is it necessary to apply some specific technical and/or environmental standards?
Answer 161:	<ul style="list-style-type: none"> a) Construction and Installation work of brine discharge pipeline will be carried out under the Construction Package-3 and is not within the scope of this Construction Package-2. However, the length of the brine pipe is 1.8km, diameter of 500mm, HDPE, will connect the new CWWTP effluent channel. b) The Bidders are not required to apply for any specific permits related to concentrate water disposal.
Question 162:	In case of inconsistencies between Specifications and Drawings. please advise the order of precedence.
Answer 162:	FIDIC clause 1.5 lists the order of precedence for the documents and identifies the specifications have a higher order of precedence. However, note that the Engineer will deliver clarifications and instructions and for technical issues

	typically the interpretation is that the more stringent requirement between the Drawings and Specifications shall apply.																																												
Question 163:	In the electrical drawings (E011, E604, E606, E608) there are fiberoptic cables going to the buildings out of the limit of the AWPP, to well pump house, to orbit junction pressure control system etc... The fiberoptic cables and related civil works are not included in the scope of the Bid. Please confirm.																																												
Answer 163:	The Scope of Work for FO cables for the subject project (AWPP) shall be limited to within the AWPP treatment plant and flow valve vault site. The Contractor shall make FO terminations for communication with wells and other off-site locations at the fiber splice box. This box is located adjacent to Structure 70- Flow Valve Vault. Refer to Sheet 00 E-011 for location of splice box																																												
Question 164:	Section 15072 did not dictate carbon steel pipe wall thickness and/or class. Pipe schedule D005 also refers to section 15072. Please inform Bidders about the carbon steel class.																																												
Answer 164:	<p>Please see below which shall replace existing Section 2.02 of Specification 15072 in its entirety.</p> <p>“2.02 PIPE:</p> <p>A. Fabricate to sizes, dimensions, and shapes indicated. B. Sizes, Pipe, Fittings and Specials:</p> <p>1. Carbon steel pipe: Nominal pipe size diameter pipe fabricated of carbon steel having the following minimum wall thickness:</p> <table border="1"> <thead> <tr> <th>Nominal Pipe Size (mm)</th> <th>Pressure Class (PN)</th> <th>Actual O.D. (mm)</th> <th>Min Wall Thk (mm)</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>16 or 25</td> <td>60.3</td> <td>4</td> </tr> <tr> <td>75</td> <td>16 or 25</td> <td>88.9</td> <td>5.6</td> </tr> <tr> <td>100</td> <td>16 or 25</td> <td>114.3</td> <td>6.3</td> </tr> <tr> <td>150</td> <td>16 or 25</td> <td>168.3</td> <td>7.1</td> </tr> <tr> <td>200</td> <td>16 or 25</td> <td>219.1</td> <td>8.8</td> </tr> <tr> <td>250</td> <td>16 or 25</td> <td>273.0</td> <td>10</td> </tr> <tr> <td>300</td> <td>16 or 25</td> <td>323.9</td> <td>10</td> </tr> <tr> <td>350</td> <td>16 or 25</td> <td>355.6</td> <td>10</td> </tr> <tr> <td>400</td> <td>16 or 25</td> <td>406.4</td> <td>10</td> </tr> <tr> <td>450</td> <td>16 or 25</td> <td>457</td> <td>10</td> </tr> </tbody> </table>	Nominal Pipe Size (mm)	Pressure Class (PN)	Actual O.D. (mm)	Min Wall Thk (mm)	50	16 or 25	60.3	4	75	16 or 25	88.9	5.6	100	16 or 25	114.3	6.3	150	16 or 25	168.3	7.1	200	16 or 25	219.1	8.8	250	16 or 25	273.0	10	300	16 or 25	323.9	10	350	16 or 25	355.6	10	400	16 or 25	406.4	10	450	16 or 25	457	10
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	500	16 or 25	508	10
	600	16 or 25	610	10
	700	16 or 25	711	10
	800	16 or 25	813	10
	900	16 or 25	914	10
	1000	16 or 25	1016	10
	1200	16 or 25	1220	10
	1400	16 or 25	1420	10
	1600	16 or 25	1620	11
	<p>Refer to Piping Schedule (00-D-004 and 005), use PN 16 for all pipe and fittings for services with maximum pressure less than 1622 kPa.</p> <p>PN 25 shall be used on all pipe and fittings where maximum pressure exceeds 1622 kPa as shown on the piping schedule.</p> <p>C. Seams:</p> <ol style="list-style-type: none"> 1. Except for seamless mill type pipe, provide piping fabricated from steel plates rolled into cylinders or sections thereof with longitudinal seams or spiral seams butt welded. 2. Do not use more than two longitudinal seams in piping 1800 mm and smaller in size. 3. Butt weld girth seams at least 2 meters apart, except in specials and fittings.” 			
Question 165:	<ol style="list-style-type: none"> a) What is the confirmed groundwater capacity that Shuvuun and Biokombinat have? b) Who did the calculations? c) how much % do we use when the project starts? d) What is rate of recovery of the groundwater? e) By 2021 how much groundwater are we using from those sources? 			
Answer 165:	a-e: The groundwater aquifer capacity and its recharge rate is enough to adequately supply the AWPP. Construction of wells and connection from wellfields to the AWPP will be procured separately. Groundwater from both wellfields will be available by commissioning and startup of AWPP.			
Question 166:	Between 2025 and 2030 how many users use fresh water and how much water will be used?			
Answer 166:	This has not been determined and is not required for the Bidder.			
Question 167:	What will be allowable timing for the works at site.			

Answer 167:	Please refer to response to Question 155.
Question 168:	Please detail whether we can work between the October to March winter season.
Answer 168:	There are no restrictions except for outside concrete works between October through March. Refer to Specification 01030.
Question 169:	In case that Contractor finds it necessary, is it possible to temporarily import equipment for performance of works, and are there any limitations on temporarily imports i.e., import time restraint etc.?
Answer 169:	It is possible to temporarily import equipment for performance of works. Relevant documents must be prepared and submitted in accordance with the Laws and regulations of Mongolia. Bidders are advised to review the Law of Mongolia on Custom tariff and Custom tax and “Temporary entry of goods into the customs territory regime implementation rule” and any other relevant laws.
<p>A further round of questions was received before 10 am on February 02, 2021. These shall be responded to in the next Clarification(s) to be issued imminently.</p> <p>In accordance with ITB 8.1, MCA-Mongolia has responded in writing, or shall respond in writing, to all clarification requests received on or before 10am February 02, 2021, Ulaanbaatar time (GMT+8), Mongolia – this being 28 days before the submission date and time.</p> <p>With the abovementioned deadline now having expired, no further Bidder Clarification requests regarding this bidding document shall be responded to.</p>	