



# The Arab Republic of Egypt Gharbia Company for Water and Wastewater

## Kitchener Drain Project - Wastewater Component

### Request for Additional Clarifications after Deadline

for

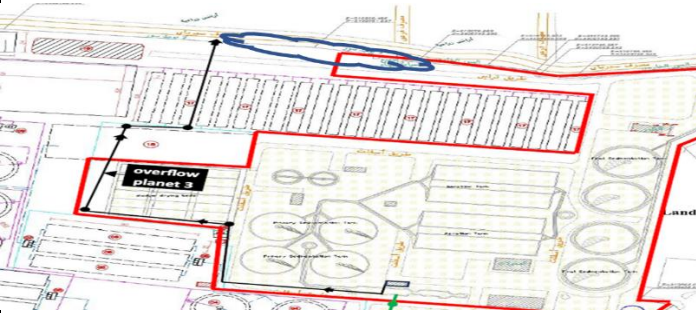
### Rehabilitation (Rebuild) of Tanta Wastewater Treatment Plant 100,000 m<sup>3</sup>/day

Ref. No./ Contract No.	2/GH/KP/Works/2022
Implementing Entity	Gharbia Company for Water and Wastewater
Loan Operation No.	N° FI 87454 Serapis No 2017/0090
Issue Date	March 2024

No.	Question	Answer
<p>1) <b>Technical Clarifications (From Q.1 to Q.60)</b></p>		
<p>1A) <b>Processes, Mechanical &amp; Civil (From Q.1 to Q.60)</b></p>		
<p>Q.1</p>	<p>Q.194 Technical specifications: Page 49                  F. The plant shall be controlled by PLC suitable for SCADA and telemetry connection and shall incorporate a Human Machine Interface (HMI) within a dedicated Motor Control Centre (MCC).                  The HMI shall be only within the PLC panels not within the mcc, please confirm                  Technical specifications: Page 50                  G. The blowers are frequency controlled to maintain the required pressure in the main air header with changing air demand.                  The HMI shall be only within the PLC panels not within the mcc, please confirm</p> <p>HMI is required for both PLC and MCC panels.</p>	<p>Please refer to the TD and specifications.</p> <p>Referring to your kind clarifications' reply , question no.(194) concerning the HMI, kindly note that in our design both PLC panel and MCC or MLT panel shall be in the same room, accordingly there is no need for HMI in both PLC &amp; MCC panel, the operator can use the HMI in PLC panel, to avoid any unnecessary duplication, Kindly Advise.</p>
<p>Q.2</p>	<p>Q.91 In referenced section it is mentioned that inlet flow is measured by parshall flume. Please confirm that it is required to measure the inlet flow by parshall flume.</p>	<p>Confirmed.</p> <p>Referring to your kind clarifications' reply, question no. (91) concerning the inlet flow measuring unit, our understanding for inlet flow measuring a Parshall flume will be used to measure the inlet flow, no measuring units shall be used for each force main pipeline, please confirm our understanding.</p>
<p>Q.3</p>	<p>Q.9 Please provide drawing for underground existing piping and cables</p> <p>Regarding Clarification reply #9: Please confirm removing all process underground networks for streams 1&amp;2</p>	<p>Confirmed.                  The Employer believes the site to be free of any existing infrastructure, but this does not relieve the Contractor of performing normal due diligence.</p>

No.	Question	Answer
Q.4	Kindly confirm that for low current systems (CCTV System, Structural cabling system, Access control system and Telephony system) and cathodic protection system are needed or not because there are not mentioned at Employer requirements.	CCTV, access control system and Cathodic protection system are not required while the rest of items shall be included in telecommunication system, Contractor is requested to submit a complete telecommunication system in his proposal based on his own design with all required devices, protocols etc. considering the system availability, reliability and redundancy to provide the ability to control/monitor the system and receive notifications if there were any alarms or system errors
Q.5	<p>"Tender document states that "'Penstocks of width and valves of size greater than 500 mm at screens, grit removal, aeration process, air blowers and process pumps (wastewater/sludge) shall be motorized type.'</p> <p>Please confirm that all valves and penstocks which are not related to daily operation routine activities shall be manually operated"</p>	No changes or modifications to the technical specifications outlined in the Tender Documents are permitted.
Q.6	<p>"Please note that site conditions for selecting air blowers such as relative humidity, site elevation and ambient temperature are missing, please state a certain value to be unified for all bidders.</p> <p>"Also, state values of relative humidity, site elevation and ambient temperature for OPEX evaluation.</p>	This is a Design & Build contract; the provided outline design serves as guidance only. The contractors are responsible for developing the detailed design based on comprehensive data collected under their responsibility.
Q.7	<p>Q154: Answer "The design for the current TD is only for carbon removal."</p> <p>"Regarding process treatment, as mentioned in tender specification "Table 2: Influent and Effluent Wastewater Quality of the WWTP". That the limit of ammonia nitrogen in treated water effluent is less than or equal 3 PPM and the influent concentration is 36 PPM. which means that nitrification should be included in the process, while in clarification answers in item No Q154 says that "The design for the current TD is only for carbon removal.", taking in consideration that ammonia removal is not required as per law 48 for year 1982 and its following decrees; in addition to the significant impact on CAPEX and OPEX as well.</p> <p>Please confirm that only carbon removal is required without nitrification. and update required effluent concentration of ammonia nitrogen in treated effluent criteria."</p>	Nitrogen removal is not considered in this contract.

No.	Question	Answer
Q.8	<p>Kindly be informed that DO of <math>\geq 4</math> mg/l is not a common practice and will result in a significant increase on blower sizing and will lead to sludge floating in final sedimentation tanks due to the stimulation of filamentous bacteria growth. On other hand; if carbon removal only is required, DO in the effluent will be low.                      Please remove DO concentration from effluent parameters.</p>	<p>No changes or modifications to the technical specifications outlined in the Tender Documents are permitted.                      The design criteria should adhere to the Egyptian Code, and the Wastewater Engineering Book, Metcalf &amp; Eddy, 5th Edition, 2014.</p>
Q.9	<p>Kindly be informed that if only carbon removal is required, residual chlorine cannot be achieved due to presence of ammonia which will react with chlorine; knowing that removing ammonia by chlorine will require a huge and unpractical dose of chlorine accordingly, in this case; Please remove residual chlorine concentration from effluent parameters. and please confirm that other disinfection techniques like UV is acceptable, otherwise;</p>	<p>Rejected.</p>
Q.10	<p>Tender documents mentioned in (Effluent Quality Guarantee Values for Tanta WWTP) that "Dry solid content of the final more than or equal 40 dewatered sludge"                       Kindly be informed that 40% sludge dryness is not an applicable value for drying beds unless it is treated with additional stage of drying that will require larger area which is not available in the plant, please confirm that 18% dryness is accepted for drying beds, or 22-25% dryness for mechanical dewatering.</p>	<p>The design criteria should adhere to the Egyptian Code, and the Wastewater Engineering Book, Metcalf &amp; Eddy, 5th Edition, 2014.</p>
Q.11	<p>Please confirm that connecting effluent pipe to existing outfall structure is accepted.</p>	<p>Rejected.</p>
Q.12	<p>Q184: answer "The power supply should be redundant. Other modules redundancy is optional."                       Q190: Answer "Redundant PLC/HMI system should be supplied and installed in the control room and to be interfaced with SCADA system. The tenderer may propose a SCADA system without PLC/HMI in the control room as a main or an                       Referring to technical specifications for control system, and considering the provided clarifications replies, a discrepancy found between the specifications and the clarifications replies, and the clarifications replies to Q184 and Q190., Please confirm that the power supply should be redundant.</p>	<p>Confirmed                      The power supply module for each PLC should be redundant.</p>
Q.13	<p>Q189: answer "Confirmed for Phase-01. The system should be extendable for Phase 02 I/O's."                       Please confirm that expandability is according to empty rack space, which means leaving space in the panel for future I/O modules, and that phase-1 design includes only the supply and installation for phase-1 I/O signals.</p>	<p>Please refer to the detailed Scope of Work outlined in the Tender Documents</p>

No.	Question	Answer
Q.14	 <p>1. Please confirm our understanding that the overflow pipeline of Plant 3 is passing in the clouded area and is connected to the existing outfall.</p> <p>2. "Referring to the mentioned document and question No. 9 and it's answer, Kindly provide diameter and levels of the overflow pipe which runs through the proposed location of the future drying beds. And coordinates along it's routing.</p>	<p>1. The provided drawings and layout are for guidance only, with the mandatory condition that the identified treatment processes must not be altered. The awarded contractor shall develop the detailed design, layout, and drawings.</p> <p>2. Any missing data could be obtained from the site after having Gharbia WSC permission.</p>
Q.15	<p>The response indicated to question No. 111 means that there is no new administrative building within the scope of the contractor and the existing administrative building will be used, while the answer to question No. 162 has been confirmed that there is a new administrative building within the scope of the contractor as part of this contract. Please explain this discrepancy.</p>	<p>The Tender Documents are very specific and clear. Please carefully review the scope of work and the schedules. The construction of a new administrative building is within the scope of the contract.</p>
Q.16	<p>Please confirm our understanding that the form "Plant" in the technical form's submission includes all items of the WWTP, it means providing a list of the plant buildings and facilities.</p>	<p>Confirmed.</p>
Q.17	<p>The diesel generator shall be designed on Prime use basis</p>	<p>The diesel generating plant shall be designed to cover the basic plant load</p>

No.	Question	Answer													
	<p>The received documents in Annex#3 is for Stand-by generator, so please provide the required specs for the prime one.</p> <p>Please confirm that supplying generating set without weather enclosure is accepted.</p>	<p>under emergency condition excluding non-continuous loads comprising of cranes, normal ventilation, and dewatering pumps (stand-by use) to ensure continuous operation of the plant that meet the required of the treated effluent criteria and sludge thickening and dewatering as per the Functional Guarantee.                      The diesel generator shall be designed on Prime use basis.</p>													
Q.18	<p>Please confirm our understanding that, the CCTV system will be located around the fence only.                      Kindly provide the specification for this system.</p>	<p>Confirmed.</p>													
Q.19	<p>Please clarify the mentioned compressive strength; is Compressive Strength of Concrete Cylinders 28-days or Compressive Strength of Concrete Cubes 28-days?</p>	<p>Please follow the Egyptian Code.</p>													
Q.20	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">Q.37</td> <td style="width: 45%;">Please provide odour treatment system requirement and specification.</td> <td rowspan="6" style="width: 45%; vertical-align: top;">                     The odour treatment system shall be proposed by the contractor, and it will be subject to the Employer's technical evaluation.                 </td> </tr> <tr> <td></td> <td>Please confirm that odour is required only for the quiting chamber and shall be of activated carbon system.</td> </tr> <tr> <td></td> <td>Please provide specification for the required odour control system. Please specify which treatment units to be considered for odour control.</td> </tr> <tr> <td></td> <td>please confirm that supplying and installing odour control system for the plant is in our scope</td> </tr> <tr> <td></td> <td>Employer' Requirement: Page 215</td> </tr> <tr> <td></td> <td>                     16. Odour                     <ul style="list-style-type: none"> <li>• The plant shall be designed such to minimize discernible odours from it at any point within 50 meters of the site boundary under prevailing wind conditions at any time of the year.</li> <li>• Proposals for containing and treating odours and directing them away from areas of habitation should be included in the design. However, these should not affect the performance of the plant with regard to treatment of wastewater.</li> <li>• Odour control facilities is required and shall be provided in the WWTP's Site.</li> </ul>                     Considering the sludge drying beds, sludge storage area and other treatment units please confirm that odour control systems shall be provided.                 </td> </tr> </table> <p>We kindly ask you to provide more technical details for the requirements of odour treatment:</p> <ul style="list-style-type: none"> <li>- From which locations polluted air shall collected?</li> <li>- What is the air exchange rates for the locations where the polluted air is collected?</li> <li>-Please clarify which is the required concentration/limit of the treated foul air and where it is measured.</li> </ul>	Q.37	Please provide odour treatment system requirement and specification.	The odour treatment system shall be proposed by the contractor, and it will be subject to the Employer's technical evaluation.		Please confirm that odour is required only for the quiting chamber and shall be of activated carbon system.		Please provide specification for the required odour control system. Please specify which treatment units to be considered for odour control.		please confirm that supplying and installing odour control system for the plant is in our scope		Employer' Requirement: Page 215		16. Odour <ul style="list-style-type: none"> <li>• The plant shall be designed such to minimize discernible odours from it at any point within 50 meters of the site boundary under prevailing wind conditions at any time of the year.</li> <li>• Proposals for containing and treating odours and directing them away from areas of habitation should be included in the design. However, these should not affect the performance of the plant with regard to treatment of wastewater.</li> <li>• Odour control facilities is required and shall be provided in the WWTP's Site.</li> </ul> Considering the sludge drying beds, sludge storage area and other treatment units please confirm that odour control systems shall be provided.	<ul style="list-style-type: none"> <li>• Confirmed, odor control system shall be provided.</li> <li>• Optional items are not accepted.</li> </ul>
Q.37	Please provide odour treatment system requirement and specification.	The odour treatment system shall be proposed by the contractor, and it will be subject to the Employer's technical evaluation.													
	Please confirm that odour is required only for the quiting chamber and shall be of activated carbon system.														
	Please provide specification for the required odour control system. Please specify which treatment units to be considered for odour control.														
	please confirm that supplying and installing odour control system for the plant is in our scope														
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	16. Odour <ul style="list-style-type: none"> <li>• The plant shall be designed such to minimize discernible odours from it at any point within 50 meters of the site boundary under prevailing wind conditions at any time of the year.</li> <li>• Proposals for containing and treating odours and directing them away from areas of habitation should be included in the design. However, these should not affect the performance of the plant with regard to treatment of wastewater.</li> <li>• Odour control facilities is required and shall be provided in the WWTP's Site.</li> </ul> Considering the sludge drying beds, sludge storage area and other treatment units please confirm that odour control systems shall be provided.														
<p>'Referring to your kind clarifications' reply , question no.(37) regarding the odor system, we have to show the</p>															



No.	Question	Answer
	<p>following:                    1- As per tender requirements drying beds with sludge storage area shall be considered. 2- Primary Sludge shall be exist. 3- Drying beds and sludge storage area shall be completely isolated for odor control. 4- For effective odor control system considering the above 3 points , the odur control system will be a very huge one with a significant CAPEX and OPEX cost increase. - Please confirm that odor control system shall be provided. - you may kindly accept the odor system to be priced as an optional item; not included in the whole price</p>	

No.	Question		Answer
Q.21	<p><b>Sludge drying beds</b></p> <p><b>Paved Drying Beds</b></p>	<p>tanks following Activated Sludge = (25 - 70) Kg/m<sup>2</sup>/day.</p> <p>The thickened sludge from sludge thickener tanks shall be dried by drying beds.                      The dried sludge shall be removed every 4-7 days and the supernatant water shall be returned to the inlet works of the treatment plant.</p> <p>Sludge layer thickness = 10 – 15 cm                      Total Sludge layer thickness = 30 cm                      Period of drying before covering with another layer = 4 days                      Gravel layer thickness = 0.15 – 0.3 m with an effective size 3-6 mm.                      Sand layer thickness 0.15 – 0.3 m with an effective size 0.5 – 0.75 mm.                      The under-drainage system consists of perforated PVC pipes with diameter 100 – 150 mm with interval distance not exceeding 6m.                      The total drying beds area = 1.25 – 2 times the designed required drying beds surface area for evacuation and drying purpose</p> <p>The following equation can be used to determine the required surface area:</p> $A = \{(0.014) (S) [(1-S_d)/ S_d - (1-S_e)/S_e] + (100) (P) (A)/(K_e) (E_p)\}$ <p>Where:</p> <p>A = Bottom area of paved bed, m<sup>2</sup>                      S = Annual sludge production, dry solids, kg                      S<sub>d</sub> = Percent dry solids in the sludge after decantation, % as a decimal.                      S<sub>e</sub> = Percent dry solids required for final sludge disposal, % as a decimal.                      P = annual precipitation, m</p>	<p>Only paved drying beds are accepted.</p>
<p>Implementation Consultant (PIC) for the Kitchener Drain Project Wastewater Component                      Tender Documents – Tanta WWTP                      Sect VII: Technical Specification - Process &amp; Electromechanical Works</p>		<p>5</p>	<p>Would you please confirm that both types of drying beds shown above are accepted, paved &amp; ordinary (with sand &amp; gravel media).</p>



No.	Question	Answer
Q.22	<p>Referring to your kind clarification's reply, concerning the drying beds, Questions No. 11, 27, 30, 52, 98, 105, 124, 125, 126, 133 &amp; 163.</p> <p>You may kindly share the following:</p> <ul style="list-style-type: none"> <li>- Your calculated area for drying beds, to be considered as a guide,</li> <li>- Type of drying beds considered for your calculations, paved drying beds or ordinary (with sand &amp; gravel media).</li> </ul>	<ul style="list-style-type: none"> <li>• The provided drawings and layout are for guidance only.</li> <li>• Only paved drying beds are accepted.</li> </ul>
Q.23	<p>It is mentioned that Oil and grease shall be moved to a separate specific pumping station to be pumped to assigned drying beds.</p> <p>Dewatered sludge becomes dilute because of pumping of oil/grease and scum in the sludge drying beds.</p> <p>As another option, oil/grease and scum which will be pumped to gravity thickener tanks, it returns to inlet of biological treatment unit with supernatant.</p> <p>Please confirm that the grease concentrator should be provided for oil/grease and scum.</p>	<ul style="list-style-type: none"> <li>• Specifications of Volume 1 - Process &amp; Electromechanical Specifications should remain unchanged.</li> <li>• Any missing details shall be subject to the approval of the DDC during the detailed design phase.</li> </ul>
Q.24	<p>Refer to Tender Documents - Tanta WWTP;                      Section VII - Employer's "Implementing Entity's" Requirements, Volume 1</p> <p>A. Below-ground coarse screening plant is provided for removing coarse particulate materials from the raw wastewater, that could otherwise damage or hinder the performance of downstream processes and equipment. The coarse screening plant consists of mechanical and manual bar coarse screens installed in concrete channels.</p> <p>B. Also, a fine screening station is provided for removing fine material from the wastewater, that could otherwise damage or hinder the performance of downstream processes and equipment. The screening plant consists of mechanical and manual fine screens which are installed in concrete</p> <p>O. The mechanical screens shall be either fine or coarse screens according to the Contractor design and they shall be of Multi Rake type.</p> <p>There are two contractionary information between Item A+B and O. Please confirm that both as coarse and fine screening will be provided and each type of screen has its own manual screen (Mechanical Coarse Screen + Manual coarse screen and Mechanical Fine Screen+ Manual Fine Screen) or Contractor is free to select only one screen that could be coarse. medium or fine screen and only one Manual Screen?</p>	<ul style="list-style-type: none"> <li>• Coarse and fine screens shall be provided.</li> <li>• Specifications of Volume 1 - Process &amp; Electromechanical Specifications should remain unchanged.</li> <li>• Any missing details shall be subject to the approval of the DDC during the detailed design phase.</li> </ul>
Q.25	<p>Given that in the tender documentation, there is no clear specification regarding the emergency condition of the diesel generating plant, kindly please clarify the time to be considered for such an emergency condition.</p>	<ul style="list-style-type: none"> <li>• Specifications of Volume 1 - Process &amp; Electromechanical Specifications should remain unchanged.</li> <li>• Additional information provided by the Bidders will be evaluated during the technical offer evaluation stage.</li> </ul>

No.	Question	Answer
		<ul style="list-style-type: none"> <li>Any missing details will be subject to the approval of the DDC during the detailed design phase.</li> </ul>
Q.26	It is mentioned that the existing administration building rehabilitation is out of the scope of the current contract, except for the SCADA control room. Please kindly provide the existing administration building drawing.	The SCADA control room will be located within the new administration building.
Q.27	Please clarify the Gas Chlorine Unit Price in order to evaluate each tenderer the same.	Rejected.
Q.28	Referring to Query No.41, We understand that the additional six feddans to the northwest of the site for future expansion of the WWTP, which will be used as the Contractor's site establishment during the construction period at no additional cost, are clean and free of obstacles, kindly confirm.	As far as the Employer is aware the additional six feddan is suitable for the contractors site establishment. During the Pre-tender site visits the contractor had suitable opportunity to confirm this to his own satisfaction. Should the land prove not to be suitable then the contractor should seek an alternative location at his own cost.  Land available for the Contractor for temporary site establishment is shown on drawing attached to the previous replies to the clarifications. Should the Contractor require land in addition to this the Contractor shall source this himself.
Q.29	It is mentioned that screenings shall be disposed of outside the plant in an authorized landfill.  Please clarify whether the transfer of screenings is the Contractor's scope. If the answer is yes, please clarify that the location of the landfill and how far it is from the plant.	Disposal of screenings outside the WWTP is not in the Contractor's scope.
Q.30	It is mentioned that Settled quantity of sand = 4-200 1/1,000m <sup>3</sup> of wastewater flow/day (typically, 15 1/1,000m <sup>3</sup> /d) It is also mentioned that the quantity of sand sediments: (100-250) liter I 1000 m <sup>3</sup> of daily flow in the Egyptian Code of Practice 2017. Please clarify which range should be considered to calculate the quantity of sand/grit.	The design criteria should adhere to the Egyptian Code, and the Wastewater Engineering Book, Metcalf & Eddy, 5th Edition, 2014.

No.	Question	Answer
Q.31	Please provide us with the nearest approved offsite disposal area to Tanta WWTP, which may be used during the construction period. "If required any disposal	Any missing data could be obtained from the site after having Gharbia WSC permission.
Q.32	As per the reply for Previous Clarifications Query No.30 Drying beds are the only approved sludge dewatering process, and Query No.125 Mechanical dewatering is allowed under this TD. Could you confirm using both Drying Bed and Mechanical dewatering is allowed under this TD?	Drying beds are the only approved sludge dewatering process.
Q.33	Please provide us with the detailed technical specifications for the pumps. like Submersible pumps & etc.	Please refer to Specifications of Volume 1 - Process & Electromechanical Specifications
Q.34	We understand that the "Site Organization" is for the proposed project personnel organization chart. Please confirm/advise.	Confirmed.
Q.35	We understand that the project Program "Project time plan" includes the mobilization schedule, construction schedule, and time schedule. Please confirm/advise.	Confirmed.
Q.36	Please provide us with the HDPE Pipe detailed technical specifications.	Please refer to Specifications of Volume 1 - Process & Electromechanical Specifications
Q.37	Please clarify that which the flow rate should we consider for first year of the operation year.	Please carefully review the TDs.
Q.38	We understand that the CCTV system is not required, please confirm.	The CCTV system will be provided and located only around the fence
Q.39	Please provide us with the odor control system's technical details, including but not limited to the "source of odors required to be controlled, technical specifications, etc.".	Bidders are requested to submit their proposals for odor control systems in the technical offer. The system will be evaluated both technically and financially.
Q.40	Please provide us with the Minimum Requirement for the workshop equipment.	Complete set of tools and equipment needed for the maintenance of all provided electro-mechanical items in the WWTP.
Q.41	As per the site visit, it was noticed that there is a large amount of organic waste reaching a height of 8 meters that needs to be cleared outside of the plant. So please confirm that it is not part of the contractor's scope of work.	Confirmed.
Q.42	3- Question no.37, Odour system, which breach the fair evaluation basis as you have requested that each tenderer shall propose an odour treatment system without giving any of the following	Bidders are requested to submit their proposals for odor control systems in the

No.	Question	Answer
	parameters: - <ul style="list-style-type: none"> <li>• Odour treatment system requirement and specification.</li> <li>• Units on which odour system shall be installed</li> <li>• From which locations polluted air shall collected?</li> <li>• What is the air exchange rates for the locations where the polluted air is collected?</li> <li>• required concentration/limit of the treated foul air and where it is measured.</li> </ul>	technical offer. The system will be evaluated both technically and financially.
Q.43	Please provide an AutoCAD drawing for the mentioned Annex #5 as to plot accurate the services which will remain in place and to be considered in tender design outputs achieving the required avoiding site clashes.  In case of AutoCAD can't be provided, please provide the actual coordinates and spaces required for each service mentioned	AutoCAD drawing will not be provided.  Any missing data could be obtained from the site after having Gharbia WSC permission.
Q.44	Please provide pipe diameter and invert level for the overflow pipe which runs through the proposed location for future drying beds	Any missing data could be obtained from the site after having Gharbia WSC permission.
Q.45	Please confirm that the effluent parameters for the project shall comply as a minimum with law No.48 for year 1982	Based on the HCWW recommendations, the standards outlined in Law 48 of 1982 are considered the sole reference for the treated effluent limits of Tanta WWTP.
Q.46	Please confirm that as the tender is design and build; the tenderer is free to design and calculate process units' volume and dimensions as per ECP 2017 and complying with guidelines mentioned (Design criteria) with <u>no change in the treatment process technology of complete mix activated sludge</u>	Confirmed. The design criteria should adhere to the Egyptian Code, and the Wastewater Engineering Book, Metcalf & Eddy, 5th Edition, 2014.
Q.47	Please provide specifically the points related to pumps specification in order to check the copy of tender we received if any section is missing	Please refer to Specifications of Volume 1 - Process & Electromechanical Specifications
Q.48	Please be noted that the drain level surveyed from site is higher than provided in hydraulic profile by 2 meters, accordingly and complying with tender hydraulic profile; water level at the quitting chamber shall be +6.36 +2m = +8.36	Obtaining the accurate levels is the contractor's responsibility and will be reviewed by the detailed design consultant (DDC).

No.	Question	Answer
Q.49	Please be noted that the drain level surveyed from site is higher than provided in hydraulic profile by 2 meters, accordingly and complying with tender hydraulic profile; water level at the quitting chamber shall be +6.36 +2m = + 8.36	Obtaining the accurate levels is the contractor's responsibility and will be reviewed by the detailed design consultant (DDC).
Q.50	Please confirm by pass line shall be directed from inlet works to drain and to be designed on 100 % average flow for phase I and II	Confirmed.
Q.51	As per schedule 26-Operation, Maintenance, and Training for the Plant for DLP (one year), OPEX Items "Electricity costs is excluded as it will be paid directly by Gharbia Water & Wastewater Company", accordingly please confirm electricity is excluded or provide modified schedule	Rejected. Electricity costs during O&M year is the contractor's responsibility
Q.52	Please confirm that only civil works construction of inlet works for phase I & II is required, Other civil works shall be for phase I only	Confirmed.
Q.53	Kindly advise as there are many conflicts in the clarification replies regarding the administrative Building. - Clarification replies for Q2»> confirmed that the admin Building is out of scope from this contract. - Clarification replies for Q151»> There was a list including ad min Building & laboratory are to be part of the detailed design that will be developed by the contractor. - Clarification replies for Q162»>Confirmed that the construction of the ad min building is a part of this contract. please illustrate the conflict as the laboratory also will be out of this contract's scope of work as it is also required to be furnished in the specs (2. Volume 1 Technical Specification - Process Electromechanical Works with EIB Comments-rev.27.08.2023 - Page 186 »> 7.4,7.5 & 7.6).	The Tender Documents are very specific and clear. Please carefully review the scope of work and the schedules. The construction of a new administrative building is within the scope of the contract. The new building shall also include laboratory.
Q.54	kindly provide us with the as-built drawings only for the fence to be able to determine an accurate price for it. Furthermore; please allocate the existing length in the layout.	The as-built drawings only for the fence could be obtained from Gharbia WSC.
Q.55	kindly confirm that the hardscape will be gravel around the buildings.	Rejected.
Q.56	Kindly confirm that the soil excluded any contaminated soil or hazardous material.	Bidders are allowed to visit the site after having Gharbia WSC permission.
Q.57	Kindly provide us with the elements such as (Cement, Reinforcement, ... etc.) to be used in the fluctuation formula as the instability in the local market.	Rejected

No.	Question	Answer
Q.58	<p>Drying Beds &amp; odor system Requirements</p> <p>Referring to a/m subject, tender specs and your kind clarifications reply, we hereby have to resubmit our technical clarification about a contradiction between using a drying beds for sludge dewatering, odor control system required &amp; the drying beds design criteria as follows:</p> <p>1- Tender requirements:</p> <p>e- Drying beds is the solely/mandatory solution for sludge dewatering, f- 40% dryness after drying beds is required,</p> <p>g- Paved drying beds is included in the minimum tender requirements,</p> <p>h- Odor system to minimize discernible odors within 50 meters of the site boundary is included in the minimum tender requirements &amp;</p> <p>i- Existence of primary sludge.</p> <p>2- Our technical evaluation;</p> <p>e- Based on the above points, no area available for such drying beds,</p> <p>f- Odor system is useless in the existence of drying beds odors, especially with primary sludge &amp;</p> <p>g- From the practical point of view, drying beds odors cannot be collected and treated, it will be a too huge covering system with too much air volume to be handled which means a corresponding too much/uneconomical financial solution.</p> <p>3- Our technical recommendation:</p> <p>a- drying beds can be used under the following conditions:</p> <p>l. Ordinary drying beds as per Egyptian code requirements with sand &amp; gravel layers,</p>	<ol style="list-style-type: none"> <li>1. Based on the preliminary design, there will be enough space allocated for the drying beds. This is evidenced by the similarity in capacity and treatment process between the demolished stream 3 and the new WWTP, and the available footprint was deemed adequate for drying beds.</li> <li>2. Odor control for drying bed is not required.</li> <li>3. Rejected.</li> </ol>
<p><b>2) Procurement &amp; Financial Clarifications (From Q.61 to Q.74)</b></p>		
Q.59	<p>Payment conditions, PCoC 14.5 b and c and Preamble to Price Schedules</p> <p>As per PCoC 14.5 b and c, and also Preamble to Price Schedules, no payment shall be effected after shipping neither after delivery to site. The payment for the goods will be effected after completion of installation only.</p> <p>Considering that the AP is defined as 20% only, this will lead to a massive negative cashflow and the burden for the contractor to pre-finance a considerable portion of the contract value.</p>	<p>The Employer issued modification#4 to the tender documents and changed the payment conditions in this regard to be as the following:</p> <p>Section IX. Particular Conditions, Plant and Materials 14.5(c) to be modified as follows; Payment shall be made for Plant and Materials when they are delivered to site.</p>



No.	Question			Answer
	Total advance payment	14.2	20% Percentage of the Accepted Contract Amount, payable in Egyptian Pounds and Euros for each respective part of Contract Price.	
	Start repayment of advance payment	14.2(a)	When payments are 10 % of the Accepted Contract Amount less Provisional Sums	
	Repayment amortization rate of advance payment	14.2(b)	25%. The repayment amortization rate (%)	
	Plant and Materials	14.5(b)(i)	No payment shall be made for Plant and Materials when shipped.	
	Percentage of Retention	14.5(c)(i)	No payment shall be made for Plant and Materials when they are delivered to site.	
	<p>The payment conditions is still not clear, we request from the client to clarify the payment conditions so that we can plan our cash flow and finance accordingly.</p>			
	Material Supply	%		
	Material Erection	%		
	PAC Acceptance	%		
	<p>The client is requested to accept payment of goods against presentation of shipping documents (B/L, CMR, etc) and shall provide the details of the payment due upon the</p>			
	<p>following milestones:                      supplies against B/L, installation, T&amp;C, civil works, O&amp;M</p>			
Q.60	<p>Kindly identify a cap for the penalties/damages specified under Section 5.3 of "SCHEDULE OF GUARANTEES" (i.e. percentage from the O&amp;M price).</p>			<p>The Engineer has the right to fine the contractor in case of having specific violations as per the contract conditions. Example: Section IX. Particular Conditions, Part B – Specific Provisions, Safety Procedures article 4.8.</p>
Q.61	<p>The identification number of the ICB is: 2/GH/KP/Works/2022 according to the Tender Documents Different ICB identification numbers were observed under Section II. Tender Data Sheet -ITT 1.1, Corrigendum Notice for changes or additional information Works dated 12/12/2023, and the Corrigendum No.1. Accordingly, kindly advise with the final identification number of the ICB to be included in the Tender Security.</p>			<p>The identification number of the ICB is: 2/GH/KP/Works/2022</p>

No.	Question	Answer
Q.62	<p>The current payment terms will cause a huge negative cash flow, accordingly please consider changing/ adjusting the payment terms of the materials and equipment during the bidding phase to enable the contractors to consider the relative finance cost within the pricing stage.</p> <p>We appreciate to consider the proposed milestones below to minimize the negative cash and enhance the project progress</p> <ul style="list-style-type: none"> <li>- Upon shipping documents,</li> <li>- Delivery to site,</li> <li>- Installation and testing</li> <li>- Commissioning</li> </ul>	<p>In general, payment will be based on submission of interim payment as per the tender conditions.</p> <p>In case of supplies: the Employer issued modification#4 to the tender documents and changed the payment conditions in this regard to be as the following:</p> <p>Section IX. Particular Conditions, Plant and Materials 14.5(c) to be modified as follows; Payment shall be made for Plant and Materials when they are delivered to site.</p>
Q.70	<p>In item (d) Tenderers will insert the total amount of discount (if any).                      In item (f) Tenderers will provide more details about the granted discount (if any).</p> <p>Reference to Letter of Financial Tender and reply to Clarification (262); kindly confirm that a discount (if any) shall be inserted in item (f).                      Accordingly, item (e) shall be amended as follows:                      "The price of our Tender, excluding any discounts offered in item <del>(d)</del> (f) below is the sum of....."</p>	<p>Please replace the answer to clarification#262 in the shared clarifications and answers in December 2023 with the following answer:</p> <p>Tenderers may refer in item "d": to the tasks needed for implementation as per the tender requirements.</p> <p>Item "e" read as follows" The price of our Tender, excluding any discounts offered in item (f) below is the sum of .....</p>
Q.71	<p>Reference to the Specifications - Scope of Services/ Supply/ Management - Item 12:</p> <p>"Operate and maintain the WWTP, at the contractor's cost, for a duration of 12 months starting from the issuance of the <u>Completion Certificate</u>. This period will also include providing operation, maintenance and training to the</p>	<p>Confirmed. The Completion Certificate means the Taking Over Certificate as defined in Clause 10 from the General Conditions.</p>

No.	Question	Answer
	<p>Employer's personnel as outlined in this Technical Specifications."</p> <p>Kindly confirm that the Completion Certificate shall mean the Taking-Over Certificate.</p>	
Q.72	<p>Kindly provide the key activities that are required to be reflected in form 4.2-b as it's not mentioned in the eligibility criteria (specific experience 4.2).</p>	<p>Form 4.2-b is not required</p>
Q.73	<p>Due to the exceptional local current economic situation and materials price inflations, you are kindly requested to accept that the entire tender will be priced and paid in euros. Accordingly, please update Section II of the Tender Data Sheet, ITT 18.1, to state that the inputs to the plant, installation services, and design services that the tenderer expects to supply from within and outside the promoter's country will be priced in euros and paid in euros. Kindly confirm.</p>	<p>Not confirmed                      Please refer to Tender Data Sheet, Section II, ITT 18.1.</p>
Q.74	<p>Conditions of contract (cc) and contract forms, Part A: Contract Data, Adjustments for Changes in Cost, clause 13.8, state that the adjustments for changes in cost are not applicable; however, due to the exceptional local current economic situation and material price inflations, you are kindly requested to apply the price adjustment formula in compliance with Law 182 of 2018, which regulates contracts in Egypt. Kindly confirm.</p>	