



Date: August 17, 2020

**CLARIFICATIONS 1**

**To:** **All Potential Bidders**

**From:** **UNDP LIBYA**

**Subject: CLARIFICATIONS - ITB/LBY/SLCRR/2020/6601 -Supply of Four (04) Units of Portable Sewage Treatment Plan at Al – Garbuli Municipality, Tripoli, Libya**

Reference is made to the UNDP published procurement notice for the: **ITB/LBY/SLCRR/2020/6601 - Supply of Four (04) Units of Portable Sewage Treatment Plan at Al – Garbuli Municipality, Tripoli, Libya**

All interested potential bidders are hereby notified about the following clarifications:

NUMBER	QUESTION	ANSWER
1.	The request in the given guideline related to STP tanks' coating process. Within the guide, internally FRP coating and externally enamel coating is requested for the STP tanks. We are manufacturing our tanks with an epoxy coating as well as 40 mm special insulation for protecting the biological reactor from high external temperature.	Chemicals can be severely corrosive and FRP prevent the problem of corrosion and leakage for more than 10 years.  The bidder can put Remark/Comment on proposed deviations (clearly explain any proposed deviations from the equipment/items requested in the BOQ) in the compliance sheet column provided.

	Please kindly confirm if it is possible to participate.	
2.	Does the chlorination tank mentioned in the tender guide also means treated water tank?	No. It means holding tanks that hold water after settling tank where water is dosed using chlorine and before the dual media filters.
3.	For this tank, is there any detention time requested to calculate its needed volume?	There are no tanks for holding final treated water, the water will be discharged into the main line
4.	Can we use electrical or pneumatic controlled valves for controlling instead of multi-port valves? Because multi-port valves could be ruined rapidly. -	Yes. Even Manual Butterfly valve
5.	There is anything mentioned in the tender guide about sand filters and activated carbon filters backwash tanks, pumps and other equipment. Will backwash of these filters be done with its feed water by means of filter feed pumps	Yes. Same filter feed pumps will be used for backwash.
6.	What do MSEP and MSFRP mean? These definitions are mentioned within the guide.	MSEP means mild steel epoxy painting and MSRP means Mild steel Fibre Reinforced Plasting (lining)
7.	What is clarisettler? We use lamella sedimentation for thickening. Are these the same?	Yes. This is used in the settling tank to separate solids and water before water goes to the holding /chlorination tank for dosing.
8.	Is any sludge dewatering unit requested? (if not, we need to know pumping height needed for selecting sludge pumps ).	Yes, it is required so that sludge can be pumped back to the equalization tank and drying the head is mentioned in compliance sheet as 10 m minimum and the bidder can change as per his/her plant design as mentioned in the BOQ because this is part of the complete STP plant.
9.	According to descriptions in the ITB document given above, we understand that our scope includes only supply, installation, test, and	As mentioned in the Scope of Works Project Description, Lot 1 only refers to Supply, Installing and commissioning of 4 units portable sewage treatment plants of 500 m3 capacity. Another ITB has been launched for Lot 2. Specifically, information about the current Lot Is

	<p>commissioning of sewage treatment plants. On the other hand, when we read the article mentioned in BOQ document given above, we understand that our scope also contains civil works, electrical works, supply of other equipment such as pump, diffusers, pipes, laboratory equipment; installing and commissioning of other equipment which defined on BOQ. Please kindly clarify differences between Lot 1 and Lot 2. Should we consider that all civil works, pipings, electrical works etc. (turnkey project)? Please kindly inform us.</p>	<p>provided in the BOQ and compliance Sheet. This was also clarified in the field visit in detail</p> <p>Works includes but not limited to supply, installation, testing and commissioning of fully automatic sewage treatment plant BIO RECTOR (MBBR) TECHNOLOGY with MBBR Bio media, air diffuser system), with sewage handling capacity 4×500 m<sup>3</sup> per day, including Automatic Bar Screens and Integrated Laboratory The work include Start up, test, commissioning and Training 2 engineer 2 technician, as indicated on the BoQ.</p>
10.	<p>If it is possible please submit us a draft layout so we can calculate the distance between equalization tanks and STP for piping calculation</p>	<p>It was clarified while visiting the site accompanied by the Director of the Utilities Office in the municipality. Layout drawing for the location can be taken from the Utilities Office in the Alqarabouli Municipality Layout.</p>
11.	<p>If there is not any draft layout, please inform us about distance between equalization tanks and STP for piping calculation</p>	<p>Same as above.</p>
12.	<p>If there is not any draft layout, please inform us about area dimensions where all equipment will be installed</p>	<p>Dimensions 15 m x 60 m</p>
13.	<p>Please inform the distance info between power supply area and the location of all equipment will be installed.</p>	<p>About 20 m.</p>
14.	<p>BOQ Document, A5; Integrated Laboratory: Supplying, installing and commissioning of an integrated laboratory for the plant. Including all required equipment, prefabricated building, tools, materials and all necessary tests, according to international standards.</p>	<p>This lab is for testing the influent and effluent to check if the STP is in line the required and acceptable environment parameters</p>

	With re-arrangement the laboratory place (electrical works, lights, sockets, switches, boxes, elec wires). Please submit us more specific details about this equipment. Is there any equipment list for it? Please kindly inform	
15.	Besides BOQ List, in Compliance Sheet document, defined another equipment. like filters, sludge pumps.	The project is about to supply ,install and commission the 4x500 cubic fully Automatic close skid mount only MBBR STP as mentioned in the BOQ all equipment mentioned or not mentioned for an MBBR STP should be included .( filters and sludge pumps are mentioned in compliance sheet)
16.	Please kindly inform us about the scope of this equipment and their installation, commissioning etc. works. -	The scope is mentioned in the BOQ
17.	Will it be in containers?	Since it is outdoor should be in containers.
<b>DURING SITE VISIT QUESTIONS 13.8.2020</b>		
18.	Will an inspection company be appointed to inspect equipment from the supplying country?	According to the ITB Document, UNDP can arrange the inspection of the goods. It will be determined with the project.
19.	Is payment made immediately after supply or after installation and operation?	As mentioned in section 5b of the ITB document Payment Terms: 100 % within 30 days upon UNDP'S acceptance of the goods delivered as specified and receipt of invoice.
20.	Method of evaluating companies and choosing the company	Please kindly refer to the section 2 – Instruction to Bidders - Section D Evaluation of Bids.
21.	Accept standard containerized plants for wastewater, which use MBR technology (not MBBR as required in the tender)	No. According to ITB requirement. Wastewater treatment as required for ecological reasons can be done using the MBBR. MBBR technology is the one accepted as per the requirement of the project.
22.	Will the resulting water be used for irrigation?	From the output criteria in the bill of quantities it is for irrigation