

IRQ-ITB-005/20 - Supply and Installation of New Compact Water Treatment Unit 200 m3/hr. in Al
Houtah- Shaat-Al Arab District, Basrah Governorate, Iraq – Re-advertisement

Consolidated Response to Clarifications sought by Bidders.

Clarifications raised by bidders through e-mail:

#	Clarifications raised by bidders	UNDP response
1	<p>we have some question about the quantity as shown below:</p> <p>2-construction of the operation room (4*5) m2 and a bathroom (2*2) m2</p> <p>3-a; foundation of room using sulphate resistance cement 100m3 (this quantity it is not correct it is very a lot of quantity)</p>	<p>The quantity is corrected to 3</p> <p>The revised BOQ shall be posted with the Addendum 1 to the ITB-005/20 Re-advertisement</p>
2	<p>3-b; roof casting 18 cm thickness 150m3 this quantity it is not correct it is very a lot of quantity</p>	<p>The quantity is corrected to 4.5</p> <p>The revised BOQ shall be posted with the Addendum 1 to the ITB-005/20 Re-advertisement</p>
3	<p>3-c; lintels over door 150m3 (it is not correct too)</p>	<p>The quantity is corrected to 2.5</p> <p>The revised BOQ shall be posted with the Addendum 1 to the ITB-005/20 Re-advertisement</p>
4	<p>Kindly clarify item 29 line 3 where it mentions “must pass the required laboratory test”</p> <p>the laboratory test required shall be conducted based on what criteria. There is no feed wayer analysis provided by the Client, and no treated water quality level required by the client provided as well.</p>	<p>Item 29 of BOQs, is not related to the water quality test, as this step is provided by the client (as mentioned by the bidder) also this might be carried out at the same time by end-user upon completion.</p> <p>The required laboratory test by the contractor is for performed civil works, such as gravel laboratory test and concrete works on casting, for example, contractor send samples of concrete cubic to the local laboratory test. As also referenced under each item of the civil works.</p> <p>Basically, price of item 29 covers the 1) performance testing of supplied equipment, 2) Inspection with commissioning of the compact unit and 3) provide on-site training, upon completion. Refer to the same item’s description.</p> <p>“Conduct a timely Inspection and required Performance test to all performed works and supplied equipment and must pass the required laboratory test control, and if necessary a third party Accredited Testing Center, shall verify the Test Results, Drawings and Certificates of origin for supplied equipment.”</p> <p>Also related steps of item# 29 are referenced in ITB’s Section-3- Schedule of Requirements.</p>

		<ul style="list-style-type: none"> - Perform a timely inspection and required performance test to all performed works and supplied equipment and must pass the laboratory test control of the End-user beneficiary, and if necessary a third party accredited by end-user government, shall verify the Test Result drawings and certificate of origin. - Provide on-site training to the operators and maintenance staff of end-user with guidance on installation, start-up and commissioning with required tests to ensure all project components work properly and systematically. - Once the Inspection/evaluation is completed and the equipment passed the test a Certificate of test Results shall be approved by end-user technical department, in accordance with the applicable standards of tests and confirm to the specs described in the compliance sheet
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Clarifications raised by bidders during the site visit:

No.	BIDDER QUESTIONS ASKED	UNDP RESPONSES GIVEN
1	Item No: 19-a) High Lift Pumps (Filter Feed Pumps) End user requested to increase the power (Kw) -of supplied pumps from 50Kwatt to 55Kwatt	(Item #19-a) changed the specs of Filter Feed Pump rated power from 50Kw to 55Kw . This change is reflected in the revised BOQs and Technical Compliance sheet which will be posted together with the Addendum 1
2	Item No: 21-b) Low Lift Submersible Pump. End user requested to decrease the rated power (Kw) from 44Kwatt to 27Kwatt	Item #21-b changed the specs of Submersible low lift pumps, rated power reduced from 44KW to 27KW as per the requirements of end-user. This change is reflected in the revised BOQs and Technical Compliance sheet which will be posted together with the Addendum 1
3	Few bidders requested to explain some technical terms used for pumps or motors in the descriptions of BOQs such as Head (H), Q, KW, IP, rpm, PH, Hz and etc. as sometimes it's challenging to obtain the exact required specifications for pumps or motors from the international suppliers.	The sources in the supply market are vary, and offers are expected to meet the UNDP's required specifications as described in the ITB's Technical Compliance sheet, with attention to main factors. For most pumps the main requirements are: (Q) is the Rated flow (Delivery) in m3/hr., (H) is the Rated Head measured in meter There is Equation which validates that: $P=Q.H.0.981$ 0.981 = Average Intensity of Gravity. For others (Hz) for frequency, (Ph) Phase (rpm) for motor speed, rated power (Kw), and Protection class (IP) all the details with required specs are mentioned in the Annex-3- Technical Compliance sheet.
4	Bidder suggested to install the supplied flow meter in the steel structure of the Intake connected to the low lift pumps.	This suggestion was rejected by engineers of end-user and UNDP and both confirmed the requirement to install the flow meter after the outlet section at the header line connected to the main water network. This will allow the Unit to measure actual water delivered to consumers.