

RFP: 2017-11

RFP Date: 19 June, 2017

Date of Clarification: 13 July, 2017

The Science and Technology Centre in Ukraine have received the following requests for clarification related to the Request for Proposals no.2017-11 and hereby provide the following clarifications:

	Issue	Clarification
1	<b>Point 13 - Tender Currencies and Payments</b> (shall be made in USD): Kindly let us know if partial bid either in EUR or USD could be accepted. In case of negative answer, we would recommend a fix EUR/USD change rate.	All tenders must be in USD. All payments will be made in USD.
2	<b>Equipment Manual</b>	Equipment should be supplied with Ukrainian/Russian Manual
3	<b>LOT 1 - For the Gas Chromatograph</b> , the "Color touch screen with graphical interface" is requested. Please precise if another type of the screen is accepted, because type of the screen does not affect the performance of the GC.	Yes, the screen duplicates the work of the personal computer and allows online monitoring of the main parameters of the system: detector operation signal, current temperature and information on gas flows, besides programming analysis methods.
4	<b>LOT 1 - For the Headspace autosampler</b> the "Control-color touch screen" is requested. Please precise if another type of the screen is accepted. Because type of the screen does not affect the performance of the headspace.	Yes, the screen duplicates the work of the personal computer and allows online monitoring of the main parameters of the system: programming the operation of headspace autosampler, monitoring the temperature and pressure of the transfer line in on-line mode.
5	In <b>LOT 1</b> it is mentioned: <ul style="list-style-type: none"> <li>RF power supply efficiency greater than 81%, with stability not less than 0,1%</li> <li>The device shall be economical in terms of total flow of argon and shall use maximum 10 l/min of gas during measurement.</li> <li>The built-in video camera should allow to visually monitor the plasma in real time.</li> </ul> All to-be detected components shall be presented	Yes, other types of ISP OES spectrometers based on equivalent technical solutions will be accepted.

	<p>at least with three sensitive and three secondary lines to ensure analysis of different types of specimens</p> <p><i>For some types for ICP OES spectrometers, there are other technical solutions that are characterized by criteria that do not meet the requirements of these specifications.</i></p> <p><i>Will proposals of ICPOES systems, based on equivalent technical solutions, providing sensitivity, efficiency and other characteristics better than required, be accepted?</i></p>	
6	<p><b>LOT 2</b> - For the ICP-OES "Plasma source: radiofrequency generator functioning in free run mode not less than 40MHz" is required. Please precise if 27 MHz radiofrequency generator is acceptable. This parameter will not affect the performance of the ICP-OES.</p>	Yes
7	<p><b>LOT 2</b> - "RF power supply efficiency greater than 81 %" is required. Please precise if it is acceptable that the RF power supply efficiency to be included in the range of 75% - 81%.</p>	<p>No, the efficiency of the high-frequency power supply affects the temperature and stability of the generated plasma, fine tuning of the operation of the high-frequency generator makes it possible to regulate the plasma generation modes, this is necessary for the development of methods and accordingly affects the quality of the analysis. In addition, energy losses are reduced when converted to a high-frequency signal that generates plasma, as a consequence of lower efficiency - the higher the cost of analyzing a single sample. Also, the selection of the optimal parameters of the generator, allows for analysis with a low consumption of argon.</p>
8	<p><b>LOT 2</b> - "Spectral range 165 - 900 nm" Please precise if it is acceptable the spectral range 167 - 785 nm, because the most components have typically wavelengths in this range.</p>	<p>To further expand the analytical tasks, the proposed systems have to operate in a wide range of 165 - 900 nm.</p>
9	<p><b>LOT 2</b> - "Argon shall only be used during plasma igni-</p>	<p>The spectrometer should consume</p>



	tion and combustion." Please precise if it is acceptable that argon is used not only during plasma ignition and combustions, because the total argon consumption can be reduced by another factor.	argon for start of operation for purging the optical path and in analysis mode only for ignition and combustion of the plasma. The design of the spectrometer should provide complete shutdown, without turning on to standby mode and a quick start-up of the device, no more than 30 minutes.
10	<b>LOT 3 - Gamma spectrometer to the point of 'Resolution (FWHM) at 5.9 keV':</b> Would a resolution at 5.9 keV (assuming the detector will feature TRP type Preamplifier) less or equal than 500eV be accepted by the evaluation committee? If RC-Preamplifier could also be accepted, the guaranteed Resolution would be less than requested 450eV.	An HPGe detector featuring a transistor reset preamplifier and resolution at 5.9 keV of Fe.55 less or equal than 500 eV is also acceptable.
11	<b>LOT 3 - Gamma spectrometer:</b> Could you confirm that there is a MCA and availability of Software to be used with requested detector or should we also include within our offer?	A turn key gamma-spectroscopy system is expected and therefore, multi-channel analyzer, notebook as well as complete data acquisition, storage and analysis software shall be part of the offer.
12	<b>LOT 6 - In LOT 6 it is mentioned: "High level of connectivity:</b> <ul style="list-style-type: none"> <li>• Ethernet-YES;</li> <li>• RS-232 - &gt;2;</li> <li>• USB - &gt;2;</li> <li>• <b>Additional display – YES</b></li> </ul> <i>Could you please clarify whether it is a requirement to include an additional display in the offer or there should only be a possibility to connect an additional display?</i>	A possibility for the second monitor connection should be available
13	<b>LOT 7</b> An extract from technical specifications LOT7: <ul style="list-style-type: none"> <li>• Analytical balance: 0,00001 g; 0,0001 g; 82 g; 220;</li> <li>• Readout(d): g 0,01   0,1</li> </ul> <i>An analytical balance that has these parameters (0,00001 g; 0,0001 g ; 82 g; 220) normally would have a read out value - 0,01 0,1 mg. Thus, it seems that there might be a written mistake as it should not be, g' but, mg'. If this is the case please correct accordingly</i>	Readout(d) should be in mg

14	<p><b>LOT 27-28:</b>  <i>Usually a thermostat's chamber volume is the same as the overall volume of the device.</i>  1. <i>Could you clarify, what exactly is the chamber volume? Is it a smaller chamber inside the thermostat?</i>  <i>Please provide a detailed specification so it will be possible to offer an optimum solution.</i></p>	<p>The working volume of the chamber should be in the range of 30-33 litres.</p> <p>Microbiological incubator should be designed for incubating samples during microbiological research according to the State Pharmacopoeia of Ukraine (STU). Therefore, the technical characteristics of the proposed equipment must meet all the standards and requirements of STU for this type of research.</p>
15	<p><b>LOT 33</b>  Fully insulated stainless steel door, with Internal glass door.  Most sterilizers do not have internal glass door. Would it be acceptable if a sterilizer without an internal glass door?</p>	<p>Yes</p>
16	<p>According to the revised technical specification, received by email on 26 June 2017, the "Ukrainian verification" from the specification has been excluded. Nevertheless, in the Invitation for Tenderers nr. 2017-11 from 19 June 2017, point 1.2, this requirement is still mandatory. Please specify if for the equipment requested in the tender dossier the Ukrainian verification is mandatory.</p>	<p>Ukrainian verification is mandatory.  Analytical Equipment must have Calibration Certificate in accordance with ISO 17025.</p>



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