

From: [BARNETT, Sabine](#)
To: [BARNETT, Sabine](#)
Subject: Clarifications to IAEA RFQ 625691-SB - Micro-focus X-ray source for X-ray Radiography/ Tomography (ALG1019)
Date: Friday, 18 August 2023 12:17:38
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Dear Bidder,

In reference to the RFQ in subject the IAEA has received requests for clarifications, and responds as follows:

- 1. IAEA Specifications, section 3.2.1, Source X-ray power:** Our source can output 15W continuously, the RFQ states 50W required. Microfocus sources with high power operating modes up to 50W will defocus the spot significantly in order to avoid damage, leading to lower resolution at higher power. Our source remains below 8um over the entire power range to enable high resolution imaging at all powers. Is this acceptable?
15W as the maximum possible output power is not sufficient; the Specifications indicate an output power of 50W or more. In fact, 24W at a current of 240µA and a voltage of 100kV has been shown to provide the desired high resolution imaging, depending on the nature of the object.
- 2. IAEA Specifications, section 3.2.6, Source input power:** Our source is powered by 24VDC, 2A maximum. The RFQ states 230VAC power, which our source does not accept. Any standard 24VDC/2A supply will work, and these are available from many manufacturers worldwide. We are also open to providing such a power supply. Is this acceptable?
230 V AC, 50 Hz is the only standard single-phase power available at the End-User's premises.

Sabine Barnett | Procurement Assistant |
Office of Procurement Services | Department of Management |
International Atomic Energy Agency | Vienna International Centre, PO Box 100, 1400 Vienna, Austria |
Email: s.barnett@iaea.org | T: (+43-1) 2600-24610 |

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