

Call for tenders' details

Title: E-beam Evaporator Integrated in a Glovebox for the Preparation of U235 Targets

Start date: 29/05/2019

Time limit for receipt of tenders: 03/07/2019

Contracting authority: European Commission, Joint Research Centre - Geel (JRC-GEE)

Status: Closed

Call for tenders question list

#	Submission date	Publication date	Question subject	Question	Answer
1	11/06/2019 15:35	12/06/2019 10:06	Glovebox windows	For the glovebox, can the windows be made of sapphire coated polycarbonate, instead of PMMA?	12/06/2019 Yes, the windows can be made of sapphire coated polycarbonate.
2	11/06/2019 15:35	12/06/2019 10:06	FATs	For the FATs (point 16 in the technical requirements), can these be in different locations for the glovebox setup and deposition tools?	12/06/2019 Yes, the FATs can be in different locations for the glovebox setup and deposition tools.

Call for tenders questions summary

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3	11/06/2019 15:35	12/06/2019 10:07	Technical drawings	When you ask for technical drawings (e.g., point 2 'Process/Vacuum chamber'), do you mean that these will be required with the supply? Or are you asking for technical drawings as part of the bid?	12/06/2019 The requested technical drawings are not part of the bid. Only after the first phase of the contract, conceptual technical drawings should be provided for intermediate approval. In case of the process chamber, a detailed technical drawing of the top of the chamber is required at the end of the contract (supply) in order to enable in-house fabrication of a planetary carousel.
4	13/06/2019 10:34	13/06/2019 12:03	General mandatory technical requirements	It is mentioned that all electronics should fit underneath the GB. Is this a requirement or can it be placed in a separate cabinet independent of the GB?	13/06/2019 Due to the total size of the glovebox and the limited laboratory space the electronics should fit underneath the GB, preferably underneath the evaporation system.
5	13/06/2019 10:39	13/06/2019 14:29	Rotational feedthrough	Can we use a full magnetic rotational feedthrough instead of a ferrofluidic feedthrough?	13/06/2019 If the full magnetic rotational feedthrough provides enough torque in case a planetary carousel should be actuated this is allowed.

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6	13/06/2019 10:36	13/06/2019 14:30	Filament change	If filament change is a critical parameter for the FAT and should be performed with gloves, we would assume that FAT needs to be for the complete unit?	13/06/2019 The filament change can also be simulated by wearing gloves and respecting the geometry limits of the glovebox. This enables the FAT to take place on the deposition chamber without being integrated in a glovebox.
7	13/06/2019 15:51	13/06/2019 16:50	Rotation feedthrough	Is it possible to use a standard rotation feedthrough (that will be modified for the RF power), instead of the ferrofluidic feedthrough?	13/06/2019 In order to guarantee the best vacuum conditions over time, a ferrofluidic feedthrough is required. 14/06/2019 If specific problems are expected for a ferrofluidic feedthrough in combination with RF and as long as the required vacuum conditions are not affected (also after over time), a special or modified non ferrofluidic feedthrough for RF power can be used.
8	14/06/2019 10:34	14/06/2019 11:36	Feedthrough	A ferrofluidic feedthrough will not carry RF power. In our experience the special feedthrough we use for RF power are just as good at holding the vacuum as the FerroFluidic models. Can we use these special feedthrough in order to carry the RF power and have the same vacuum specifications?	14/06/2019 As long as the required vacuum conditions are not affected (also after over time) there is no problem in using a special feedthrough for RF power.

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9	24/06/2019 08:44	26/06/2019 08:44	Tubular device	Do we have to provide the tubular device?	26/06/2019 Yes, the tubular device must be provided. For clarification purposes, the Technical Specifications have been updated to reflect this.
10	24/06/2019 08:48	26/06/2019 08:46	Cooling	Do we need to offer a water chiller for the cooling, or do you have your own water housing for the cooling?	26/06/2019 Yes, as mentioned in section 11. Cooling, the cooling system for the crucible, e-beam and the turbo pump should be included.

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