

Open Procedure: Cyclotron, Hotcells, Switching system, Shielded Laminar Air Flow workbench (LAF)for Tc-99m Generators

Appendix 5: Questions & Answers (Q&A) form

No.	Lot, Section and page no. or drawing to which the questions refers	Quote of the text to which the questions refers	Question	Answer
1.	Request for Tender, 2.4	Scope of Contract	It is unclear if the procurer accepts bids for the specified lots in part. Would the procurer please clarify if the tender is to be considered as one whole, and if submission of bids is conditional on submission of bids for all lots, or if the tenderer would accept bids for the individual lots in part.	As stated in the Contract Notice section II.1.6 "Information about lots" the tender is divided into 5 lots, and tenders may be submitted for all lots. This means that a tenderer has the possibility to submit tenders for all 5 lots but is not obligated to submit tenders for all 5 lots. A tenderer may therefore also decide to submit tenders for 1, 2, 3 or 4 lots.
2.	Request for Tender, 4	Inspection of the installation site.	Could you please clarify if the site visit is not mandatory and that there will be to no disadvantage in the tender evaluation if we are not participating in the site visit.	The site visit is not mandatory, - it is a possibility for the tenderers to visit the site but there is no obligation to participate and there will be no consequences in terms of the tender evaluation.
3.	Lot 1, Appendix 1a, Section 4,	Voluntary delivery options invited to be disclosed separately	Can additional items or options, not listed in this table, be	No additional options can be proposed by a tenderer.

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	page 1		proposed for consideration?	
4.	Appendix 4, Lot 1, General layout.pdf	Lot 1.	The general layout shows three bunkers, delineated by dotted lines, all inside the shaded area labelled Lot 1. Do these bunkers exist?	The three individual bunkers does not exist at the moment. However, the area indicated "Lot 1" is intended to house a total of three cyclotrons, meaning that only 1/3 of the area is available for installation of the supply in lot 1. At this time only the outer wall of 1800 mm concrete has been completed.
5.	Appendix 1a, Section 9.1	Installation in a bunker with maze entrance is the preferred solution, however access via a heavy door (plug) may also be accepted due to space limitations. Multiple installation proposals can be submitted, in which case pros and cons should be specified for each proposal.	Can you please specify what is the allocated space (m x m) for the cyclotron within this area, with or without optional beam line?	The available space is 6.0 x 8.7 m ² including wall to the adjacent bunker.
6.	Lot 1, General layout.pdf	Lot 1.	What is the maximum ceiling height of the cyclotron bunker?	The free height from floor to ceiling is 3000 mm.
7.	Request for Tender, Section 3, page 5	Appendix 2	Can you please provide Appendix 2?	Appendix 2 is the tenderers own response. There is not a template for Appendix 2.
8.	Request for Tender, Section 3, page 6	Appendix 6	Does tenderer have to provide a draft of appendix 6 with the tender submission? Is there a specific format for	The question concerns the Acceptance Test documents which according to the Request for Tender are to be prepared by the tenderer in accordance with the

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			Appendix 6?	Contracting Authority based on the Contracting Authority's specifications and requirements. The document should not be provided with the tender submission.
9.	Appendix3a- quotation-sheet- lot1-cyclotron. Section Service and Spare Parts	Annual Cost. Excel: Cells E65 and E70	Is the price to be entered into these cells the total Annual Cost for Service agreement Level 2 and 3, or it is the incremental difference compared to the previous level? For example: If Annual Cost for Level 1 is DKK20 and Annual Cost for Level 2 is DKK50, Should DKK30 or DKK50 be entered in cell E65?	It is the total annual cost for service agreement level 2 and 3. In the stated example, "50" should be entered in cell E65.
10.	Lot 2- Appendix 1b Specification of requirements – pos. 5.11	The required minimum for individual lead shielded internal volume of the production hotcells shall be 65 x 70 x 80 cm (WxHxD).	May you clarify if the required minimum dimensions for individual lead shielded internal volume of the production hotcells are mandatory and if it is a difference in dimensions	Position 5.11 is a minimums requirement and shall be met by the tenderers solution. However the Contracting Authority has decided to adjust

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			reason of exclusion from the tender?."	<p>the specific position and make a corrigendum to Appendix 1b and uploaded at www.udbud.rm.dk :</p> <p>"The required minimum for individual lead shielded internal volume of the production hotcells shall be 65 x 70 x 80 cm (WxHxD)."</p> <p>Shall be replaced by the following:</p> <p>"The required minimum for individual lead shielded internal volume of the production hotcells shall be 60 x 65 x 70 cm (WxHxD)."</p>
11.	Request for tender – item 11. Variants	As stated in the contract notice variants will be accepted. Each tenderer may submit up to two different variants. When offering variants the tenderer shall prepare separate tenders for each variant.	To offer a variant, May you clarify if it is enough to send an additional envelope containing Appendix 1, Appendix 3 and Appendix 6 and related documentation to present the features of the offered item or we must send an additional envelope containg all documetation requested for the tender, including the	To offer a variant a separate folder containing Appendix 1, Appendix 2 (the tender response) and Appendix 3 (the Quotation Sheet) shall be submitted. In terms of Appendix 6 Acceptance Test see the answer to Question 8.

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			administrative one?	
12.	Request for tender – item 3 Tender and Contract Documents	Appendix 2: Tender Response (tenderers solution)	May you clarify what the Authority asks or if it is correct to interpret “tender response (tenderers solution)” as the additional documents related to the appendix 1 in order to present the offered items?	Appendix 2 is the tenderers offered solution /tender response. See the answer to question 7.
13.	Request for Tender, Section 13.1, page 10	<ul style="list-style-type: none"> – Requirements for functionality – Requirements for technical quality and service – Education and training – Working environment and safety protection – Installation (except Lot 5) <p>Each of the above subjects is given an overall score between 0 and 8, where 8 is given when the proposed solution only fulfills mandatory requirements and the score 0 is given to the best possible solution.</p>	<p>There are five subjects that will be given an overall score from 0 to 8. How is the final quality score for each Lot calculated? Is it based on average of the five individual scores or is there another formula?</p> <p>As a result of the above calculation, can the Quality score for each Lot or the entire Tender Submission (in case if multiple Lots are offered), be a fraction or is it going to be an integer from 0 to 8?</p>	<p>Yes the final score of "Quality of the system" (for each separate Lot) will be based on an average of the 5 individual scores (except for Lot 5 which will be based on an average of 4 individual scores).</p> <p><i>The tenderer is asked to please clarify the second question.</i></p>
14.	Lot 5 Shielded Laminar Air Flow workbench (LAF)for Tc-99m Generators / Appendix 4 - Drawing: Layout	N.A.	Following the site visit, we kindly ask you to clarify that the window 322.094 close to the hood for Tc99 will have vertical opening instead of horizontal as reported in the actual laboratory drawing.	Since the window 322.094 has not yet been produced, it can be constructed with an opening either horizontal or vertical according to the winning tenders specifications

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	Tc99 LAF bench			
15.	Lot 1, 3.5	Target, 11C, CO2/methane	Do you mean a combined target or two separate targets?	Two separate targets. One target designated for the production of C-11 CO2 and one target for the production C-11 CH4.
16.	Lot1, 5.21	It is preferred that recovery of 18O gas from the 18F fluorine target after bombardment is efficient and automatic. Describe procedure for recovery, including molecular sieves and NaF traps.	Can you specify what you mean with NaF traps?	The tenderers are asked to disregard the final sentence: "Describe procedure for recovery, including molecular sieves and NaF traps" Instead tenderers are simply asked to describe procedures for recovery of 18O gas.
17.	Lot 2, 4.1	Solid target, including transport system and chemical processings for several products e.g. Cu-64, Zr-89, I-124, Ga-68	In Lot 1 (3.7) you are asking for a mandatory delivery option on a solid target irradiation system. Is this a question for the same equipment or is it for a hotcell for the solid target system?	It is confirmed that this is a question for the same equipment.
18.	Lot 2, 5.11	The required minimum for individual lead shielded internal volume of the production hotcells shall be 65 x 70 x 80 cm (WxHxD).	We collaborate with leading Hotcell manufacturers. Can you confirm that WxHxD is correct?	See answer for question 10 The Contracting Authority has decided to adjust the specific position and make a corrigendum to Appendix 1b and uploaded at www.udbud.rm.dk :

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				<p>"The required minimum for individual lead shielded internal volume of the production hotcells shall be 65 x 70 x 80 cm (WxHxD)."</p> <p>Shall be replaced by the following:</p> <p>"The required minimum for individual lead shielded internal volume of the production hotcells shall be 60 x 65 x 70 cm (WxHxD)."</p>
19.	Lot 2, 5.15	The tender shall include three development hot-cells (inner dimensions minimum: 111 cm (W) x 820 (D) cm (D) x 970 cm (H)).	We assume that min. dimensions are 1110mm (W)x820 mm (D)x 970 mm (H). Can you confirm? We are concerned about 5.11 and 5.15, that the WxDxH dimensions are switched around	It is confirmed that the minimum dimensions for the inner cell are: 1110mm (W) x 820mm (D) x 970 mm (H).
20.	Lot 3, 9 Installation	It is preferred that the supplied system is compact and designed to be housed in room 02.18.081, see attached drawing. Besides the switching system, room 02.18.081 is intended to house process cabinets serving a minimum of two cyclotrons.	Is it required to offer tubing? If yes, could you please specify requirements?	It is not required to offer tubing. The required tubing might be subject to cyclotron supplier specifications. The chosen supplier might be invited to offer tubing after a delivery contract is entered.

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		Describe possibilities.		
21.	Lot 1, Quotation sheet	Energy consumption	Can you confirm that for level (beam on) will last for 16 hours each day? Our experience is, that with modern cyclotrons you are able to run shorter runs with high production yields.	The quotation sheet for lot 1 contains a mistake regarding the use pattern. On working days it should be: Run level 1: 16 h Run level 2: 4 h Run level 3: 4 h
22.	Answer for Question 13 (dated Oct.31)	Yes the final score of "Quality of the system" (for each separate Lot) will be based on an average of the 5 individual scores (except for Lot 5 which will be based on an average of 4 individual scores). The tenderer is asked to please clarify the second question.	Clarification: If, for example, 5 individual scores will be: 1, 2, 1, 2, and 2, according to the answer provided, the average score will be 1.4. Will this score be rounded to 1.0 or used as 1.4?	In the example where the 5 individual scores are 1, 2, 1, 2, and 2, the total score "Quality of the system" will be 1.6.
23.	Appendix 1a, Lines: 5.14, 5.15 and 5.16	Shaded cell in "Reply" column, G	These lines, specially line 5.15, require written answers. However cells in column G are shaded grey. Where should the answers be given, in the shaded cells?	The answer for B-requirement 5.15 should indeed be given in cell G55. Please ignore that this cell by mistake has been shaded.
24.	Appendix 1a Table 3. Mandatory delivery options. Line 3.6	Target, 68Ga (either liquid target or solid target based system)	If solid target is offered: Should this be a 2nd, complete solid target irradiation system, similar to the one requested in Line 3.7? Or is this a request for an	This is a request for a target, capable for production of 68Ga. If a solid target is offered, this is an request for an individual 68Zn solid target, that can be used in

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			individual ^{68}Zn solid target that can be used in the Solid target irradiation system (line 3.7)?	the Solid target irradiation system (line 3.7)
				<i>More questions and answers will be uploaded during week 45.</i>