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March 3rd, 2017

BIDDER QUESTION 2

EUROPEAN OPEN TENDER PROCESS

DESY-Reference No.: EO012-16

Supply of a horizontally focusing, plane-elliptical X-ray mirror for beamline P22 at PETRA III

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Locations of DESY
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Directorate
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C. Haringa
Prof. Dr. J. Mnich
Prof. Dr. E. Weckert
Prof. Dr. Christian Stegmann
(Representative of Directors
in Zeuthen)

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Dear Sir or Madam,

a tenderer has asked for the clarification of the following question regarding the above named invitation to tender and the specification:

Question 1)

We would like to know if the beam is always travelling parallel to the floor or if it tilts in the vertical (Z-Y) and/or horizontal (Z-X) planes. According to the file EO012-16_07.2_Incoming_beam_DN63.pdf combined with the 05_EO012-16_TECHNICAL_SPECIFICATION.pdf, the incoming beam moves in the x-y directions and the envelope of all the possible positions at the entrance flange is a rectangle of 18x10 mm (HxV), but can you please clarify which are the angular ranges of the incoming beam (if any) and where is the origin of this rotation?

Answer 1)

There is no tilt in the beam. The different beam positions in the entrance flange result from beam offsets due to different optical configurations of the upstream optics.



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Question 2)

Is not fully clear to us. I mean, the part "all vacuum systems necessary for operation of the mirror system....have to be included in the scope....Remain on the vacuum vessel". What do you mean exactly?

It is clear, from previous answers, that the all metal right angle valve is included and the ion pump with controllers and cables isn't, but with this part of the answer... do you mean that we should add also a set of vacuum gauges and a RGA?

This makes a little sense to me, so why don't you just make a list of what must be considered as scope of supply and left onto the system?

Answer 2)

"All vacuum systems necessary for operation of the mirror system under vacuum after completion of the tests have to be included in the scope of supply and will remain on the vacuum vessel."

Clarification:

As stated in the documents, an all-metal right angle valve (as specified) has to be provided by the tenderer. The required ion pumps are not part of the tender, DESY will supply the ion pumps including cables and controller, also for the FAT if requested by the tenderer.

Everything else which according to the mirror design by the tenderer is required *for the operation of the mirror under vacuum* after completion of the acceptance tests (with all flanges closed including beam inlet and outlet flanges, possible feedthroughs, blinds, viewports, etc) has to be provided by the tenderer and will remain with the customer.

Question 3) Correction on Self declaration form

The tender document "04__EO012-16_SELF_DECLARATION.pdf" contains a spelling error, which we hereby correct as follows and we provide you a revised form under the following URL: http://warenwirtschaft.desy.de/ausschreibungen/index_ger.html

On section IV: "I / We declare (s) that I / we ~~have not been~~ have not been convicted....."

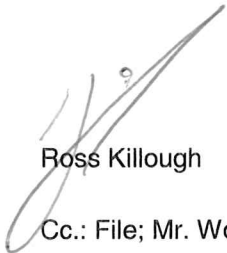
Please use the revised form for the "Self declaration of the suitability and non-existence of exclusion grounds" (see: "04__EO012-16_revised_SELF_DECLARATION.pdf").



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All other specifications are as per the information included in the Call for Tender.

DESY Deutsches Elektronen-Synchrotron
per procuratorum:


Ross Killough


Gerald Knobloch

Cc.: File; Mr. Wolfgang Drube, FS-PEX