



**SLAC National Accelerator Laboratory**  
Operated for the U.S. Department of Energy by Stanford University

REQUEST FOR PROPOSAL No: 2526  
Addendum 1

Coherent X-Ray Imaging (CXI) 1 micron Kirkpatrick-Baez  
(KB) System

Contact Person:

Carol Lam  
Sr. Contract Administrator  
(650) 926-5051  
[clam@slac.stanford.edu](mailto:clam@slac.stanford.edu)

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**The purpose of this Addendum 1 is to incorporate the following information:**

**1. The following are answers to questions submitted by vendors from January 15, 2008 through February 6, 2009:**

Question #1

“It seems that attachment 12 is just an older version of attachment 2. How should we deal with these two very similar versions?”

Answer #1

Attachment 12 is not an older version of Attachment 2. Attachment 12 is the draft version of a second KB system to be procured by SLAC in the future. The vendors are not asked to bid on this second system now. They were only provided attachment 12 for information so they can be aware of our plans for a second system in the near future. The vendors may choose to ignore attachment 12 entirely.

Question #2

“Unless I missed something in the documents, I did not find any data about the ground stability and vibrations (expressed normally in Power spectrum density). It is not possible for us to guarantee the vibration stability if we do not have this input.”

Answer #2

Attachment 13 – Addendum 1 is hereby incorporated.

Question #3

“Page 12 -> b) we didn't make an audit of financial statement because we aren't obliged to make. In this case, don't we have to submit this document? Or should we submit any substitution?”

“Same page -> c) we don't understand certainly that sentence, especially about a phrase of "the effort" would you please rephrase that sentence?”

“Page 13 -> 1) b) Is key personnel one? Or can some key personnel be? “

“Exhibit B -> 1. mirror substrate: this list has not concerning about coating; don't we have to make coating on the mirror substrate? Or the coating is included? “

Answer #3

Reference to Page 12, b) - If a written audit opinion is not available from an independent Certified Public Accountant firm, please provide a written audit opinion from a similar institution.

Reference Page 12, c) – A current financial statement and a written audit opinion is required if twenty percent (20%) of the effort or the total cost is performed by a subcontractor.

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Reference Page 13 – Key personnel can be one person or many people.

Reference Exhibit B, 1 – SLAC will do the coating. Vendors are not to include price of coating in their total price

Question #4

“Tble 1: Parameters for first mirror of KB1 system (P13) says, #6 Mirror Thickness >50mm. For example 51mm of mirror thickness is acceptable?”

Answer #4

Yes. Even 50 mm would be fine, just not thinner than 50 mm.

Question #5

“And, we couldn't find any requirements about the sides and the base of substrate in the specifications, but, (if using the mirrors in vacuum), do you have any request of processing on these (each) surfaces? “

Answer #5

This requirement is found in section 6.6.2.2 for the Non-Optical Surfaces Areas. These surfaces should be wet-chemical etched and cleaned as described in Section 6.6.5.2.

Question #6

“6.6.4 Test coupons. (P18)

6.6.4.1 Says test coupons should preferably be 2inch diameter flat disk.

For example, will the "square (not disk)" test coupons that is the size of 60mm (L)\*50mm (w)\*15mm (t) be acceptable for you? “

Answer #6

Yes. A square coupon with the suggested size is fine.

Question #7

“How range of clear aperture should be? We will supply the test coupons with clear aperture of 50mm (L)\*30mm (w), will it be acceptable for you?”

Answer #7

Yes. This is acceptable.

Question #8

“6.6.4.2 Says

This substrate should be prepared in the same manner as the primary, mirror substrate.”

“Our polishing technique is so precise that we don't need to polish on the test substrate with our technique for achieving the (relaxed) specifications required on 6.6.4.2.

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Still, should we polish the test substrate using same technique adapted to the primary mirror? “

Answer #8

If you can achieve the relaxed specifications without using exactly the same polishing technique, then that's OK and you do not need to use the same technique.

Question #9

“..and, the clear aperture of the test substrate will be same range (350mm(L)\*20mm(w)), will it be acceptable for you ?”

Answer #9

Yes. This is acceptable.

Question #10

“I am contacting you to ask for an extension of the deadline to return our offer/proposal for the RFP No. 2526....”

Answer #10

The new bid due date is March 3, 2009.

Question #11

“Page 14 -> b) ( i ) c) - What is the meaning of "contract type"? Would please show us an example(s)? (Can we answer for example "manufacture" or "service" etc?)”

Answer #11

There are many contract types, but the most common types used are Firm Fixed Price and Cost Plus Fixed Fee. Firm Fixed Price types of contract provide a firm price and not subject to any adjustment on the basis of the contractor's cost experience in performing the contract. For example, if you quoted \$100 to deliver a machine, and it cost you \$150 to make, you can only invoice \$100 at delivery. For past experience information, if you performed a service type contract and it was a firm fixed price contract, you can answer Firm Fixed Price Services.

Question #12

“Can we get answers for our question till February 10?”

Answer #12

An addendum with all questions and answers received from January 20, 2009 to February 6, 2009 will be issued on Monday, February 9, 2009.

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**2. Remove and replace the following pages in the RFP:**

Remove

Page 3  
Page 7  
Page 8  
Page 10  
Page 12

Replace

Page 3 - Addendum 1  
Page 7 – Addendum 1  
Page 8 – Addendum 1  
Page 10 – Addendum 1  
Page 12 – Addendum 1

**3. Attachment 13 and Exhibit G are hereby incorporated in RFP No. 2526.**

**4. All other terms and conditions remain unchanged.**

**(End of Addendum 1)**

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