



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH  
PUNE

CLARIFICATION ON TENDER NUMBER - IISER-PUR-1044-19

ITEM DESCRIPTION- PROCUREMENT OF WAVELENGTH DISPERSIVE X-RAY  
FLUORESCENCE

Refer IISER Pune press tender notice dated 22/1/2020 for procurement of Wavelength Dispersive X-Ray Fluorescence. The tender document was published on Institute website [www.iiserpune.ac.in](http://www.iiserpune.ac.in) and on CPP Portal on 20/1/2020.

Pre-Bid meeting was held on 27/1/2020 at 3.00 PM and minutes of meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure -II

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Pune and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website [www.iiserpune.ac.in](http://www.iiserpune.ac.in) will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

27.1.2020

Sd/-  
Assistant Registrar (S&P)



## IISER PUNE

## PRE-BID CONFERENCE FOR PROCUREMENT OF WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE

### TECHNICAL & COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-1044-19

DATE : 27.1.2020

Sl.No	Query/Clarification Sought	Clarification / Amendment
1	<p><b><u>Sample preparation and gas cylinders</u></b></p> <p>* Instrument should have provision for analyses of solid, pellet and fuse-bead samples. The vendor should quote a 40 Tons Semi -Automatic Pellet Press for sample preparations along with suitable stainless steel die set (preferable ring dimension of Ø 35 x Ø 40 x13) and minimum 50 nos. of steel rings (40 mm) or suitable die set.</p> <p>* All required gas cylinders (minimum 2 nos.) and appropriate gas regulators (1 nos.) should be provided for XRF analyses</p>	<p><b><u>Sample preparation and gas cylinders</u></b></p> <p>The specification now has been revised to clarify the number of gas cylinders required.</p> <p>The vendor must quote minimum <b>two</b> gas cylinders and <b>one</b> gas regulator required for the XRF analyses.</p> <p>The remaining specification for sample preparation remains unchanged.</p>

<p>2</p>	<p><b><u>Vacuum, Chiller, UPS and sample preparation</u></b></p> <p>consumables</p> <ul style="list-style-type: none"> <li>* A rotary vacuum pump with oil mist filter which fits inside the machine cabinet should be included for vacuum.</li> <li>* Chiller as appropriate to be offered as standard.</li> <li>* The vendors must quote an air compressor, if required, for the quoted model.</li> <li>* The vendor must quote an online UPS system of at least 30 kVA capacity with appropriate batteries for minimum 30 minutes back up for the WDXRF instrument,</li> <li>* chiller, compressor and all other peripherals.</li> <li>* The vendor should provide required fluxes and binders for 1000 fusion-beads and 1000 pressed-pellet sample preparation.</li> </ul>	<p><b><u>Vacuum, Chiller, UPS and sample preparation</u></b></p> <p>The following revision regarding vacuum pump and consumable supply has been made.</p> <p>(i) The vendor must quote a rotary vacuum pump with oil mist filter which fits inside the machine cabinet should be included for vacuum.</p> <p>(ii) The vendor should provide required fluxes and binders for 1000 fusion-beads and 1000 pressed-pellet sample preparation.</p> <p>The remaining specification regarding Vacuum, Chiller, UPS and sample preparation consumables remains the same.</p>
<p>3</p>	<p><b><u>Accessories</u></b></p> <p>An automated electric base fusion-bead system with cold-cold operation which should have provision to prepare at least one bead with its size must be matching with the quoted XRF model. The bead preparation should be carried out in closed and safe environment. This instrument should not increase and decrease the temperature abruptly; it should have ways to change the temperature in ramps as defined by the user.</p> <p>The quote must include two platinum crucibles of suitable capacity (~30 ml) and weight ~ 30 gram along with one no. of suitable mould required for fusion bead preparation.</p> <p>A weighing balance with automated calibration, touchscreen display and automatic door controller. This balance should be able to measure</p>	<p><b><u>Accessories</u></b></p> <p>The following revisions regarding accessories have been made.</p> <p>(i) The vendor must quote an automated electric base fusion-bead system with cold-cold operation which should have provision to prepare at least one bead with its size must be matching with the quoted XRF model. The bead preparation should be carried out in closed and safe environment. This instrument should not increase and decrease the temperature abruptly; it should have ways to change the temperature in ramps as defined by the user.</p>

	<p>weights up to 120 gm in a precision level of 0.01 mg.</p> <p>Two granite-top tables must be quoted for weighing balance and computer.</p>	<p>(ii) The quote must include two platinum crucibles of suitable size (40 mm) and weight (48 gm) along with one no. of suitable mould required for fusion bead preparation.</p> <p>The remaining specifications regarding accessories remain the same.</p>
4	<p><b><u>Standards and Auto sampler</u></b></p> <p>A pre-calibrated application package for geological application in fuse bead preparation method with a set of geological standards (with at least 24 different certified standards) should be supplied with the instrument.</p> <p>The instrument should supply along with at least 48 position sample magazine or tray. At least 30 numbers of steel sample holders should be provided with the instrument.</p>	<p><b><u>Standards and Auto sampler</u></b></p> <p>The following revisions regarding Standards and autosampler have been made.</p> <p>(i) A pre-calibrated application package for geological application in fuse bead preparation method with a set of geological standards (with at least 24 different certified standards) should be supplied with the instrument.</p> <p>(ii) The instrument should supply along with at least 48 position sample magazine or tray. At least 32 numbers of steel sample holders should be provided with the instrument.</p>
5	<p><b><u>Warranty</u></b></p> <p>3 Years Warranty to be offered as standard for complete system with X-ray tube, water chiller, UPS, fuse-bead machine and Hydraulic press.</p>	<p><b><u>Warranty</u></b></p> <p>The following revisions regarding Warranty have been made.</p> <p>3 Years Warranty to be offered as standard for complete system with X-ray tube, water chiller, UPS, fuse-bead machine and Hydraulic press.</p>

6	<p><b><u>References</u></b></p> <ul style="list-style-type: none"> <li>* Manufactures have to give at least 3 Reference details of Government (of India) Institutes where the quoted model is working satisfactorily for geological applications.</li> <li>* Vendors must quote their most latest and globally available model of the spectrometer, it should not be more than five years since it's worldwide launch and should reflect in manufacturer official website.</li> <li>* Vendors should successfully demonstrate the specified specification in any of their existing WDXRF instrument prior to financial evaluation</li> </ul>	<p><b><u>References</u></b></p> <p>The following revisions regarding References have been made.</p> <p>(i) Vendors must quote their most latest and globally available model of the spectrometer, it should not be more than five years since it's worldwide launch and should reflect in manufacturer official website.</p> <p>The remaining specifications regarding References remain the same.</p>
7	<p>Two numbers of P10 gas cylinders to be mentioned (one will be connected to XRF and other will be as back up).</p>	<p>The suggested change in specification has now been incorporated. Please see above for details (Sl. no. 1).</p>
8	<p>Since crucible and mould are made of Platinum which has significant cost therefore mentioning it's weight would be more appropriate to get same dimension, weight and cost from all vendors: -</p> <p>Crucible ~ 30 ml 30gm - 2 numbers</p> <p>Either one of following mould dimension and weight can be selected - 2 numbers</p> <p>30 mm diameter - 30 gram</p> <p>32 mm - 36 gm</p> <p>35 mm - 48 gm</p> <p>40 mm - 48 gm - preferable this type to maintain same size of pellet and fused bead.</p>	<p>The suggested change in specification has now been incorporated. Please see above for details (Sl. no. 3).</p>

9	Electrical type fusion bead equipment to be mentioned.	The suggested change in specification has now been incorporated. Please see above for details (Sl. No. 3).
10	48 numbers of tray / magazine to be included.	The suggested change in specification has now been incorporated. Please see above for details (Sl. No. 4).



## IISER PUNE

## PRE-BID CONFERENCE FOR PROCUREMENT OF WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE

### COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-1044-19

DATE : 27.1.2020

Sr. No.	Query/Clarification Sought	Clarification / Amendment
1	<p><b><u>Delivery Period</u></b> Request to extend delivery period to 120 days from the date of purchase order or 60 days from the date of LC whichever is later.</p>	<p><b><u>Delivery Period</u></b> The delivery period is amended to 120 days from the date of purchase order.</p>
2.	<p><b>Commercial Bid BOQ</b></p> <p>Since WDXRF is an imported instrument however accessories like water chiller, UPS, hydraulic press, gas cylinder are indigenous items hence please allow separate BOQ or price bid format for imported as well Indigenous items to be quoted in EUR as well as INR respectively.</p> <p>Please clarify In BOQ additional row to be included for imported items (in foreign currency) and indigenous items (INR).</p>	<p><b>Commercial Bid BOQ</b></p> <p>The commercial bid BOQ is in excel format; however there is provision of pdf file where price details in respect of indigenous items can be put. <b>While comparing the bids, L1 bid will be determined after taking into consideration both excel price bid format and pdf price bid format.</b></p> <p>Hence in BOQ additional row is not included for indigenous items (INR)</p>

3.	<p><b><u>AMC and CAMC charges</u></b></p> <p>AMC and CAMC percentage will be mentioned and submitted along with technical bid without mentioning the cost.</p>	<p><b><u>AMC and CAMC charges</u></b></p> <p>AMC and CAMC percentage should be mentioned in pdf file along with the commercial bid. Hence Annexure H (AMC format) is to be submitted in pdf form with commercial bid.</p>
----	--	---