

BHARATI VIDYAPEETH
(DEEMED TO BE UNIVERSITY)
**YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE AND
COMMERCE, PUNE-411038 (INDIA)**

TENDER NOTICE

NOTICE INVITING TENDER

Date- 25/01/2019

Ref. No.: YMC/DST-FIST/464/2018-19

Registrar, Bharati Vidyapeeth (Deemed to be University), Pune-411030 (Maharashtra) India invites sealed bids for XRD instrument from Manufactures/Distributors/ Suppliers under DST-FIST PROGRAM equipment grant of Rs. XXXXX/- received vide letter No. SR/FST/COLLEGE-2017/150 (C) Date-19/09/2018.

Sr. No.	Description of Items	Qty	EMD in Rs.
1.	Bench-Top Powder X-Ray Diffractometer	1	10000/-

Tender Documents with complete terms and condition, technical specification etc can be downloaded from Bharati Vidyapeeth (Deemed to be University) website <http://ymc.bharatividyapeeth.edu>. The tender should reach the Principal, Yashwantrao Mohite College of Arts, Science and Commerce, Pune, Bharati Vidyapeeth (Deemed to be University), Erandwane, Pune-411038 on or before 5th February 2019

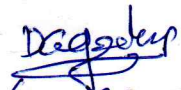

Registrar

Bharati Vidyapeeth (Deemed to be University), Pune.

Registrar
Bharati Vidyapeeth
(Deemed to be University)
Pune-411 030, India




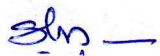
(Dr. S. R. Patil)
Incharge Principal
Yashwantrao Mohite College, Pune-38


(Dr. S. P. Degade)
coordinator
(DST-FIST)

Yashwantrao Mohite College of Arts, Science and Commerce, Bharati Vidyapeeth (Deemed to be University), Erandwane, Pune-411038 invites E-tenders for the purchase of **Bench-Top Powder X-Ray Diffractometer**, hereinafter is referred as BUYER/ purchaser and Tenderer is referred as BIDDER/ Suppliers.

1. Technical specification of instrument are as per attached **ANNEXURE-A**.
2. The bidder should submit offer into two parts- Part A should includes the technical offer and Part B should be financial offer.
3. The supplier shall pay and bear all other liabilities, taxes and duties not specifically agreed by the purchaser in the commercial offer.
4. The leaflets catalogue, etc. should be sent invariably so that proper evaluation of the equipment offered is possible.
5. Pre installation requirement for instruments (power specification, space required etc) should be mentioned clearly.
6. The quotation **MUST BE ENCLOSED IN A SEALED COVER** super scribing tender number/due date and "Offer for **XRD** Instrument " and should reach to "Yashwantrao Mohite College of Arts, Science and Commerce", Pune, Bharati Vidyapeeth (Deemed to be University), Erandwane, Pune-411038 on or before due date mentioned in tender notice.
7. All communications are to be addressed to "Yashwantrao Mohite College of Arts, Science and Commerce", Pune, Bharati Vidyapeeth (Deemed to be University), Erandwane, Pune-411038. In case due date happens to be holiday the tender will be accepted and opened on the next working day.
8. The quantity of items is in the discretion of BUYER.
9. Accessories and item procured in India should be quoted in Indian rupees.
10. GST/Other Govt. Taxes: Excise Duty (ED), other taxes, levies etc. are to be indicated separately. BIDDER should mention Central and State GST Registration Number, PAN Number in the offer.
11. **DELIVERY:** The successful BIDDER should deliver the material as per tender document /purchase order within **60days** from the date of acceptance of purchase order.
12. BUYER will evaluate technical and commercial acceptable offers in its approved technical committee and /or Purchase Committee. Technical Committee and /or Purchase Committee will


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Incharge Principal
Yashwantrao Mohite College, Pune-38

have right to accept or reject the BIDDER. The Technical and /or Purchase Committee will decide to accept the required configuration, items and other requirements in its discretion.

13. SUPPLEMENTARY OFFER/MODIFICATION OF ORIGINAL OFFER: Tender submitted against Notice Inviting Tender (NIT) shall not be returned in case the tender opening date is extended/ postponed or cancelled. In case, BIDDER desirous to modify (or asked to modify) their offer/terms, may submit their revised/supplementary offer (s) within the extended Tender Opening Date (TOD) by clearly stating to extent of updation done to the original offer.

BUYER reserves the right to open the original offer along with the revised offer.

14. CANCELLATION OF TENDER: Not withstanding anything specified in this tender document, BUYER in its sole discretion, unconditionally and without having to assign any reasons, reserves the rights:

- a) To accept OR reject lowest tender or any tender or all the tenders.
- b) To accept any tender in full or in part.
- c) To reject the tender offer not confirming to the tender terms.

15. TERMS OF PAYMENT: Payment terms should be mentioned clearly. It is in the discretion of the BUYER to accept, modify or reject the payment terms offered by BIDDER. BIDDER is allowed to split the payment in foreign currency and in Indian Rupees (for items or services being procured and provide locally)

16. In case any BIDDER is silent on any clauses mentioned in these tender documents, BUYER shall construe that the BIDDER had accepted the clauses as per the invitation to tender. No further claim will be entertained.

17. Revision in the terms and conditions quoted in the offer will be entertained in the Technical committee and Purchase committee.

18. Date and time of opening of Price Bid shall be intimated to technically qualifying bidders only.

19. LIQUIDATED DAMAGES: Timely delivery is essence of the contract and hence if any consignment be delayed, liquidated damages at the rate 0.5% of the price of the delayed consignment, for each week or part whereof shall be levied and recovered subject to maximum of 0.5% of total purchase order value.

20. GURANTEE/WARRANTY: BIDDER should give guarantee/warranty for **36 months**, from the date of Installation, for the performance of the instrument. BIDDER should also give the Non Comprehensive Annual Maintenance for **24 months** after the guarantee/warranty is over.

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21. SUPERVISION OF ERECTION & COMMISSIONING: Successful BIDDER shall depute concerned specialist, for supervision of erection and commissioning of the machine to be carried out. The successful BIDDER shall make necessary arrangement at their own expenses for stay, transport and other expenses of their specialist during their stay in Pune which also includes imparting training to "Yashwantrao Mohite College of Arts, Science and Commerce", Bharati Vidyapeeth (Deemed to be University), Erandwane, Pune personnel.

22. TRAINING: The BIDDER shall submit training proposal for the operation and maintenance to the personnel of "Yashwantrao Mohite College of Arts, Science and Commerce, Bharati Vidyapeeth (Deemed to be University), Erandwane, Pune-411038. General training session for staff and students should be conducted by the BIDDER.

23. LEGAL MATTER: All Domestic and International disputes are subject to Pune Jurisdiction only.

24. If BIDDER is not quoting directly, name and address of agents and representatives in India should be disclosed.

25. The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

26. While submitting bid the Bidder Shall deposit an amount in tender notice a Earned Money Deposit, with the Buyer through: Bank Draft/ Pay Order/ Bank Guarantee in favour of the Registrar, Bharati Vidyapeeth (Deemed to be University), Pune.

27. The Earnest Money shall be valid up to a period of **180 days** or the complete conclusion of the contractual obligations to the complete satisfaction of both the Bidder and Buyer, including warranty period, whichever is later.

28. In case of unsuccessful BIDDER, earnest money deposit will be returned within **90 days** after the tender process is complete. No interest shall be payable by the BUYER to the BIDDER on Earned Money Deposit.

29. In case successful BIDDER, EMD will be returned after Performance Guarantee Bond.

30. The BIDDER undertakes that it has not supplied/is not supplying similar products/ systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/ Department of the Government of India or PSU and if it is found at any stage similar product/ system or subsystem was supplied by the BIDDER to any other Ministry/ Department of the Government of India or PSU at a lower price, then that very price, with due allowances for elapsed time, will be applicable to the present case and difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

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ANNEXURE- A
TECHNICAL SPECIFICATION OF BENCH-TOP XRD SYSTEM

S.N.	Item description	Specifications	Qty
01	Bench-Top Powder X-Ray Diffractometer	<p>A portable desktop powder X-ray diffractometer instrument with fully integrated PC, easy to operate and independent of external media such as cooling circuits etc. for the state-of- art quality control and research facility. The XRD machine should be an all-in-one type.</p> <p>Technical Specifications:</p> <ol style="list-style-type: none"> 1. Geometry: Theta / Theta. Sample should always remain horizontal. 2. Goniometer: Vertical. 3. Type of sample: Powder. 4. Goniometer Angular range: -2° to min 150° 2 Theta 5. The XRD must be able to scan a sample from a low 2Theta angle of at least 0.6 deg. 6. Angular accuracy throughout the whole angular range: $\pm 0.02^{\circ}$ 2Theta. Alignment accuracy should be guaranteed by vendor. 7. Min. step size: 0.005° 2 Theta 8. Achievable peak width: $<0.05^{\circ}$ 9. Slit: Fixed Slit. 10. X-ray wavelengths: Cu, long fine focus ceramic seal tube 11. X-ray generation: 30kV/10mA; 300W or more 12. Alignment: Auto aligned /factory aligned 13. Sample Stage : Spinning sample stage along with standard sample holder. 14. Optics : necessary primary and secondary slits along with k-beta filter. 15. Sample holder: Suitable sample holder for powder samples minimum 10 nos. Silicon low background sample holder for small sample quantity 1 nos. 16. Max. Radiation level $< 1\mu\text{Sv/h}$. 17. Detector: 1- dimensional fast linear detector based on Real time Compound silicon strip or PIXEL or Curved Position sensitive detector Technology with minimum below specification. <ul style="list-style-type: none"> ➤ No. of Strips or PIXEL – 150 or more. ➤ Spatial Resolution : 80 micrometers or better ➤ Minimum Active area : 12 x 12 mm or better ➤ Minimum Capture angle : 3.0 deg. or better 	01

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		<ul style="list-style-type: none"> ➤ Minimum counts rate : 70 million CPS or better ➤ Operational mode: 0D & 1D mode should be possible. ➤ Fluorescence suppression : Suitable hardware / software / mechanism for suppressing secondary fluorescence from sample. <p>18. The offered should be air cooled; external water chiller should be avoid for maintenance purpose.</p> <p>19. Power Supply: 230V, 50/60 Hz</p> <p>20. PC and Interfaces: Necessary computer and operating system should be offered either integrated or external with USB & LAN facility.</p> <p>21. Software: Necessary software with following minimum features.</p> <ul style="list-style-type: none"> ➤ A complete software package that includes from mounting sample to data phase analysis, qualitative, quantitative analysis, Kα2 stripping, percentage of crystallinity measurement, crystal size determination with search match facility. ➤ The software should be compatible with ICDD as well as COD database for phase analysis. ➤ Software for converting the XRD data obtained from the diffractometer to ASCII format for research publication purpose. ➤ ICDD PDF2 database with 5 years license, License should be in the name of Yashwant Rao Mohite collage Pune. <p>22. Offered system should be factory alignment, plug and analyze type, table mounted & should be minimum space requirement for Installation.</p> <p>23. The system generated quality of data should be $\leq \pm 0.02^\circ 2\theta$ on standard sample; supplier should supply the standard sample along with system to evaluate the performance during installation. The Supplier should also provide the written gaurantee for above data quality.</p> <p>24. The XRD system should have all necessary safety protection as per latest Intrnational norms.</p> <p>25. Vendors must mention the service support details and no. of service engineers trained on the quoted model.</p> <p>26. Warranty: The vendor must quote comprehensive warranty for 24 months including spares and X-Ray tube. All warranty replacement parts must be supplied on DDP basis to the installation site.</p>	
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