

BOSE INSTITUTE KOLKATA	
Tender No. Tender Date	DPB/13-14/Srirupa Das/02 01/10/2013
Type of tender	Limited

Tender title	Services required for analysis of ubiquitin enriched-protein samples and identification of PTMs.
Specification	<p>Requirements:</p> <ol style="list-style-type: none"> 1. Gel-free analysis system. 2. Separation of samples on RP column for MS and MSMS analysis in online MS to get mass information. 3. Analysis Platform: nRPLC orbitrap Thermo Velos mass spectrometer. 4. Analysis platform must have high >100000 resolution, sensitivity and mass accuracy better than 1ppm RMS. It must have MSⁿ and CID/HCD/ETD capability that will help in separation and identification of PTMs with great precision. 5. Identification of the amino acid and the position on which the PTM occurs, if any. 6. Detailed software analysis of the data generated and differential comparison between the samples: <ol style="list-style-type: none"> a. MSMS spectra analysis. b. Alignment of spectra from each sample. c. QC of acquired MSMS data d. PTM Identification from MS and MSMS spectra, if any. e. Data Analysis with Customized Data Source. 7. In case of unknown proteins, de-novo sequencing to be done. 8. Detailed information to be given (coverage, score, algorithms etc). 9. Expected number of ubiquitylated proteins in the range of at least 400-500. 10. QC to be done before charging samples in orbitrap to make sure that it yields the desired result. 11. Cooperation must be extended until publication of data is completed.
Quantity	04

Last date & time for submission	22.10.2013 upto 12.00 noon
Date & time for opening of bids	22.10.2013 at 2.00 p.m.
Submission of Tender (Address)	Office of the Department of Plant Biology, Centenary Building, Bose Institute, P-1/12, C.I.T. Scheme VII M, Kolkata.700 054 (addressed to the Registrar, Bose Institute).

Venue of bid opening	Office of the Department of Plant Biology, Centenary Building
For any query the interested bidders may contact (Dept/Section/Div./Unit)	033 2569 3312 / 033 2569 3254

<i>General Terms & Conditions ::</i>	
Warranty	N.A.
Payment terms	Payment will be made after complete delivery of the instrument in good condition and satisfactorily installation.
Delivery schedule	Within 6 - 8 weeks from date of order & if any defect of the supplied item is found, it should be replaced immediately from your side.
Bid security (earnest money deposit), if applicable	N.A.
Submission of performance Bank Guarantee (PBG), if applicable	N.A.
Any other information (if applicable)	N.A.
Name of the instrument and submission of tender should be mentioned on the envelop positively. Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.	

Registrar