

NOTICE INVITING QUOTATION

DEPARTMENT OF BOTANY
UNIVERSITY OF DELHI

Reference No: UD/BOT/SG/DBT/Climate/Genome station

Dated: July 11, 2019

Department of Botany, University of Delhi is in the process of purchasing the following item(s) as per details given below.

Details of the items	Genome station with UPS
Tender Fees	Nil
Earnest money to be deposited	Nil

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in>. Aspiring Bidders who have not enrolled/registered in e-procurement should enroll/register before participating through the website <http://eprocure.gov.in>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at "Instructions for online Bid Submission"

Tenderers can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type either the "tender notice no." or "Department of Botany"). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <http://eprocure.gov.in> as per the schedule given in the next page.

No manual bids will be accepted. The quotation should be on the E-procurement portal.

SCHEDULE

Name of Organization	Department of Botany, University of Delhi
Tender Type (Open/Limited/EOI/Auction/Single)	Single
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/Auction /Service/Buy/Empanelment/ Sell)	Supply
Product Category (Civil Works/Electrical/Works/ Fleet Management/ Computer Systems)	Genome station (Tower Server)
Source of Fund (Institute/Project)	DBT
Is Multi Currency Allowed	No
Date of Issue/Publishing	July 11, 2019
Document Download Start Date	July 11, 2019
Document Download End Date	July 31, 2019
Date for Pre-Bid Conference	N.A.
Venue of Pre-Bid Conference	N.A.
Last Date and Time for Uploading of Bids	July 31, 2019
Date and Time of Opening of Technical Bids	August 01, 2019
Tender Fee	Nil
EMD	Nil
No. of Covers (1/2/3/4)	1
Bid Validity days (180/120/90/60/30)	180 days from date of opening
Address for Communication	Prof. Shailendra Goel, Department of Botany, University of Delhi, Delhi - 110007.
Contact No	9650229911
Email Address	shailendragoel@gmail.com

Chairman Purchase Committee

Instructions for Online Bid Submission

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<http://eprocure.gov.in/eprocure/app>

REGISTRATION

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Port.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders.
5. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that he/she can upload the bid on time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. A standard format has been provided with the tender document (Annexure-V) to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable.
4. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
5. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done.

6. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
7. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
8. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

General Instructions to the Bidders

1. The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
2. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
3. Tenderers are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

INSTRUCTIONS FOR TECHNO-COMMERCIAL BIDDING OF Genome station

The Department of Botany, University of Delhi invites e-tender (in single cover) for **genome station** through a single tender enquiry. The original manufacturer or its authorized distributor should quote INR prices for the instrument. Please note that this is a techno-commercial tender and has only single cover. The specifications for the genome station are as follows:

Item	Quantity	Product ID / Product Description
Genome Station	1	64GB 6 cores single Intel Processor with minimum 20MB Cache (details given below)
UPS	1	With 2hrs backup

Genome Station (Tower Server Specification)

- Intel Xeon Processor 6 Cores / 20 MB Cache
- 64GB RAM DDR4 RDIMM ECC
- 4 TB HDD (2 TB * 2)
- Integrated Intel HD Graphics Card
- Dell 19" Monitor (LED)
- Dell USB Keyboard/Optical Mouse

UPS For Un-interrupted Power Backup

- UPS with Power Supply For at least 2 hrs backup
- UPS installation at Client Site

Service and Support

- On-site training on Genome Station for 2 days at the time of installation
- 24 months software and plugins up gradation should be provided.
- Warranty: Limited Warranty- 3 years Manufacturer's Warranty.

Analysis Platform Specifications

User friendly bioinformatics software solutions for comprehensive analysis of NGS data including Whole genome, transcriptome de-novo assembly, targeted re-sequencing analysis, Small RNA, Metagenome and Chip-Seq, SQ-IT Software Package: All Genome Stations are supported by proprietary SQ-IT analysis platform. SQ-IT is an advanced analytical software package with ameliorated pipelines and guided workflows for NGS data analysis. Based on a simplified user interface, this software package is designed to sync with optimized operating systems and processing units for enhanced performance. SQ-IT provides comprehensive and automated analytical reports for accelerated scientific insights without the use of complex

command-line interfaces.

Tools: Bowtie, Velvet, Trinity, Transdecoder, VARSCAN, SNPeff, SIFT, HISAT, kallisto, rsem, bedtools, bcftools, bismark, vcftools, anydesk, geany, WPS-office, cutadapt, GMAP, hmmer, FALCON, Interproscan, OASES, SOAP-DENOVO, Cytoscape, PICARD, smallrna workbench, trimmomatic, EMBOSS, CANU, Chrome, Bowtie2, NGSQC toolkit, Velvet, S-space, Spades, IGV, MACS, RStudio, Tophat, Cufflinks, cd-hit, Busco, Contiguator, fastqc, fastq-screen, uparse, filezilla, Augustus, homer, qualimap, qiime, Samtools, UCSC programs, PIP-ITS, Diamond-Blast, BLAST-ALL, BWA, Cluster 3.0, Java tree view, fastx toolkit, seqtk-master etc.

- Tools to understand critical correlations between microbiota, its metagenome, and host. Making sense of complex metagenomic and streamlined analysis workflows for taxonomic and functional microbiome analysis.
- NGS SOFTWARE - In addition to SQ-IT package, 10 additional open sources NGS data analytics software have to be installed as per requirement.

Important considerations while filling the bid:

1. The CIP prices should be quoted
2. Manufacturer or authorized distributor are allowed to quote for the listed items.
3. The product should be free of any manufacturing defect
4. The bidder should also provide a proprietary certificate and authorization certificate from the manufacturer if a vendor is quoting.