

**DBT-AAU CENTRE FOR AGRICULTURAL BIOTECHNOLOGY
ASSAM AGRICULTURAL UNIVERSITY
JORHAT**

NOTICE INVITING QUOTATION FOR WGS SERVICE

Sealed quotations are invited from reputed firm/service provider for providing the Whole Genome Sequencing (WGS) service. The details of requirements may be downloaded from the classified section of the web site www.aau.ac.in. The quotations with all relevant documents should be submitted 21st September 2022 till 2.00 pm and will be opened on the same day.

S/d-

Centre Director
DBT – AAU Centre
Jorhat 13

Memo No.

Copy for information to

1. PS to Vice Chancellor, AAU, Jorhat
2. The Comptroller, AAU, Jorhat
3. The Deans/Registrar/All Directors/ Chief Librarian with a request to display in the notice board.
4. The Web Master, AKMIT Cell, AAU, Jorhat with a request to upload the advertisement in the AAU web site.
5. The Editors, The Sentinel and Dainik Janambhumi. They are requested to publish the advertisement in their respective daily Newspapers.
6. The Supervising Officer, Government of India Book Depot, 8, K.S.Ray Road, Kolkatta-700001. He is requested to publish the advertisement in the next issue of the Indian Trade Journal and submit the bill in quadruplicate along with the paper cutting for payment.
7. The Accountant, DBT-AAU centre, AAU, Jorhat


Centre Director

DBT – AAU Centre

Jorhat 13

✓ Centre Director
DBT-AAU Centre
Assam Agricultural University
Jorhat-785013

Terms and Conditions

1. The quotation fees of Rs.200/- (Rupees Two hundred only) in favor of "The Comptroller, Assam Agricultural University, Jorhat-13" is not **refundable**. The quotation fee in the form of DD along with the quotation must be submitted and **without which quotation will be rejected**.
2. The quotation shall be sealed and superscribed at the top of sealed cover "**Quotation for WGS Services under DBT-NECAB**".
3. Quoted price: To facilitate format evaluation, the bidder shall quote the price of each items separately along with relevant papers for supporting the quoted price such as **catalog, authorization certificate and Company's printed pricelist, list of user/customers with valid contact details, email address**. Failing which the bid shall be treated as non-responsive at the discretion of the purchaser.
4. Additionally performance certificates (if available) should be furnished along with the bidding documents. Failing which the bid shall be treated as non-responsive at the discretion of the purchaser.
5. The quotation should be valid for aperiod of minimum 120 days. Quotations not conforming to this provisions hall be treated as non-responsive.
6. Quotation must also be submitted in a **soft copy in CD (to support in Microsoft words only)** in the following format failing which the bid treated as non-responsive, at the discretion of the purchaser. In case of any optional items, pictures should be shown separately. Any discrepancies in the soft copy will be the responsibility of the quotationers.
7. To facilitate prompt evaluation, the bidder shall provide Technical Compliance Report (TCR) and price data for each item separately in separate envelops Failing which the bid shall be treated as non-responsive at the discretion of the purchaser.

Annexure-I

Format for price bid (to be provided separately in separate envelop)

Name of Item	Brief Specification	Unit Price	GST	Installation/freight/any other charge(If any)	Total

Price data:

8. Price:

9. Taxes and levies(mainly GST)

10. Service delivery:

11. Any other terms & condition

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Annexure-II
(To be provided separately for each item)
FORMAT FOR Technical Compliance Report & Price data

Name of the service (i.e. WGS Service):

Sl. No.	Specification asked for(strictly as mentioned in bid document)	Specification offered (Corresponding to Specification in bid document)	Technical Compliance (Yes/No)	Variation If any	Details of Technical Literature supporting the technical compliance (Suitably tagged)

12. The rate shall be quoted for all duties, taxes and other levies payable by the bidder shall be included in the item rate. GST should be quoted separately (TIN No/GST No. must be furnished)

13. There should not be any over writing. Corrections, if any, should be made with date and initial of bidder. Bidder shall submit quotations partly in each item.

14. Rates should be quoted clearly both in words and figures separately without which the quotation shall stand rejected.

15. The price quoted shall be fixed and not subject adjustment/variation during the performance of the contract.

16. All payment shall be made preferably in Indian Rupees only after the satisfactory data analysis and training.

17. Where ever the laws and regulations require, deduction of taxes at source of payment, the purchaser shall effect such deduction from the payment due to the service provider, the remittance of amounts so deducted and insurance certificate for such deduction shall be made by the purchaser as per the laws and regulation in force.

18. The quotation will be opened on the day of last date of submission i.e. on **22nd September 2022 till 2.00 pm and will be opened on the same day at 2.30 pm** in the office of the undersigned. The bidder or his authorized representative may attend the bid opening. Except price, no other details will be announced during the opening.

19. Every page of the bidding documents purchased from the purchaser are to be signed by the bidder including the acceptance of terms and conditions and returned with the quotation.

20. The undersigned reserves the right to accept or reject any quotation and to cancel the instant bidding process and reject all quotation at any time prior to award of contract, without thereby incurring any obligation to the affected bidders on grounds for the purchaser's action.

21. The documents should be supplied for the bid evaluation system, i.e. The price bid and the technical bid should be supplied separately in separate envelopes.



Signature & Seal of the bidder

WGS Sequencing Specifications

Sample size: At least 200 samples of Tea for SNP discovery, genome study, GWAS and LD analysis

1. High Quality high molecular weight DNA isolation from samples. QC report of DNA extracted based on standards method for NGS.
2. Library preparation should be done using True- ree PCR F ree library. Library Quality Control report should be furnished.
3. Sequencing on Novaseq 6000 at a read length of PAIRED- END 150 bases. (2x150 base).
4. 12 GB high quality with Q30>80% filtered data per sample must be generated. Redo of the data if it does not match quality.

5. Advanced Bioinformatics:

- a. Read QC, trimming and Filtering.
- b. To Identify reads from a single linked fragment for classification using any short read taxonomic classifier , if required.
- c. Assembly and re-assembly of unassembled reads using appropriate assembler followed by scaffolding.
- d. Ab -initio Gene prediction.
- e. Genome Annotation and Comparative Genomics, as required once data are ready after initial screening.
- f. SNP and In-Del calling with imputation missing data, if needed..
- g. Phylogenomics including LD and haplotype analysis. Support in GWAS is also included
- h. Analysis report containing complete methodology from Sample QC to Data analysis with all the Tables, Figures and Results in desired format.
- i . The raw data needs to be submitted to our system.

General Specifications:

1. Samples must be picked up from our facility.
2. Previous work experience on similar works is mandatory.
3. Minimum 5 Publications in peer reviewed journals Genome analysis/ Metagenomics work should be provided.
4. Complete support up to publication level required.
5. On-Site training for Bioinformatics has to be provided for above analyses.
6. Payment will done only after satisfactory data analysis, and training.

