



# KERALA AGRICULTURAL UNIVERSITY

REGIONAL AGRICULTURAL RESEARCH STATION,

PILICODE, KASARAGOD-671310

Phone: 0467 226 0632, Email: rarspil@kau.in

No.B2-1289/2025

Dated: 28.04.2025

## TENDER NOTICE

Tender Number	B2-1289/2025
Tender Cost	0.20% of the cost of tender rounded to the nearest multiple of 100(Minimum-400/-)
GST (18%)	18% of tender cost
Amount of EMD to be paid	Rs.2,500/-
Last date and time for receipt of tender	12 .05.2025 3.00 PM
Last date and time for opening of tender	12.05.2025 3.30 PM
Date up to which the rates are to remain firm for acceptance	Up to 30/08/2025
Designation and address of officer to whom the quotation is to be addressed	<b>The Associate Director, Regional Agricultural Research Station (North Zone) Pilicode – 671310</b>
Place of Supply	<b>RARS Pilicode</b>
Superscription: “ <b>Tender for transcriptome sequencing service</b> ”	

Sealed competitive tenders are invited for next generation sequencing service at RARS Pilicode

### Specifications

#### Details of the requirement

Sample: **Rice (*Oryza sativa*)**; Number of samples: **12**; Genome size: **~430 Mb**; Requirement: **mRNA sequencing**; Read length: **PE 150 bp**; Number of reads: **30 million reads per sample (~ 9 GB data/sample)**

(RNA isolation, sample QC, library preparation, library QC, Sequencing (PE 150 bp, 30 M reads per sample), data output 9 GB per sample)

#### Bioinformatics analysis

FASTQ raw data files, Primary statistics report -QC, Read statistics, Reference genome IRGSP build 1.0 RAP-DB, alignment statistics report, transcript wise expression matrix across all samples-DESeq2, DEG reports (Log 2FC +/- 1), GO enrichment analysis, KEGG pathway enrichment analysis with separate reports for each significantly enriched pathway, Heatmap and clustering of expression profiles, Comparative DEG analyses for Control vs control, control vs stress, stress vs stress; Transcription factors among the DEGs, Identification of SSRs (EST-SSRs), detection of di to hexa nucleotide repeat motifs, SSR motif frequency and distribution analysis, annotation of SSR containing genes, SNP and inDel identification, manuscript support.

#### Terms and conditions

- Leaf samples will be provided for RNA isolation and sequencing
- The sequencing service provider must carry out both sequencing and basic downstream analysis as detailed above
- The raw data files and analysis reports must be submitted within 35 days from the date of receiving the samples.
- Payment will be processed only after the completion of sequencing and submission of data.
- Data must be delivered in a secure format.



### Tender form

The Tender form shall be downloaded from the following link in the internet- [www.kau.in/tenders](http://www.kau.in/tenders) OR [rarspil.kau.in/tenders](http://rarspil.kau.in/tenders). The same should be submitted duly signed along with other documents.

The cost of tender form, GST and EMD will be accepted by way of separate DDs in favour of Associate Director, Regional Agricultural Research Station, Pilicode, Pin 671310.

**Earnest Money Deposit:** An EMD of **Rs.2,500/- (Rupees Two Thousand Five Hundred Only)** should be remitted by separate DD drawn in favour of Associate Director, Regional Agricultural Research Station, Pilicode Pin-671310.

### Agreement:-

- 1 The tender should be accompanied by an Agreement in Kerala stamp paper worth **Rs.200/-(Rupees Two hundred only)** in the format that can be downloaded from the website [www.kau.edu/tenders](http://www.kau.edu/tenders) OR [rarspil.kau.in/tenders](http://rarspil.kau.in/tenders).
- 2 The sealed cover containing the tender documents should be super scribed as **"Tender for transcriptome sequencing service"**. The cover should contain the DDs for tender cost, GST, EMD and the Agreement as mentioned above.
- 3 The successful tenders should execute an agreement in Kerala Stamp paper worth **Rs.200/-(Rupees Two hundred only)** and furnish a security deposit of 5% of cost of the rate quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of Associate Director, Regional Agricultural Research Station, Pilicode, Pin 671310, Kasargod District payable at the State Bank of India, Kayyur (Branch code SBTR000573), when directed from this office.
- 4 The rate, tax and other charges if any should be separately stated.
- 5 The Associate Director has the right to accept or reject any or all of the offers without assigning any reason.
- 6 The successful tenderer shall initiate the work/supply the item within one week of award and should finish the supply within one month.
- 7 If any hartal/strike/any unexpected holiday occurs on the date of opening of tender, the tender will be opened at the same time on the next working day.
- 8 All the rules and regulation applicable to government tender will be applicable to this tender also.

### Special Conditions:

1. Tender insisting payment in advance either full or part for releasing the documents through bank are liable for rejection.
2. Payment will be made after satisfactory delivery/ installation, service and demonstration of the Item/equipment./work
3. Details of warranty offered should be clearly stated in the tender details of maintenance service contract offered after expiry of normal warrantee and after-sales service facilities available should be indicated.
4. The under signed reserves the authority to accept or reject any or all of the offers for any particular item without assigning any reason whatsoever.
5. The decision of the under signed in tender procedures will be final and binding

\*Enquiries if any may be mailed to [rarspil@kau.in](mailto:rarspil@kau.in) during office hours.

Sd/-  
Dr. Vanaja.T  
Associate Director

To:

1. Notice Board/KAU website ✓
2. Panchayath Office, Pilicode/Cheruvathur
3. Nileshwaram Municipality. ✓

Copy to: Dr. Maya.P, Post-Doctoral Fellow

//Approved for issue//

Section Officer