

# BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

## Directorate of Research



**Jayanta Tarafdar Ph. D, FPSI**  
 Professor and Officer in Charge, ICAR-AICRP on Tuber Crops, Govt. of India,  
 Kalyani Centre, Agricultural Research Complex Building  
 Kalyani 741235, West Bengal

Adjunct Professor, Central Agricultural University, Shillong, Meghalaya  
 Principal Investigator of Ministry of Agriculture funded project on DUS Testing  
 Principal Investigator of UGC, Govt. of India funded project  
 Principal Investigator of BBSRC, UK-DBT-India funded project on CGAT

No. BCKV/TC/NS-4/2022-23

Dated 29/7/2022

### TENDER NOTICE

**Sub:** Inviting quotation for molecular reagents/chemicals/kits and service (Out sourcing) under AICRP on Tuber Crops, Kalyani centre, Directorate of Research, BCKV, Mohanpur

Sealed quotations are invited from the reputed companies/ authorized Dealer and Distributors/ Suppliers for above said items of reputed company make. The sealed quotations may be submitted within 15 days from the date of the advertisement and may be submitted to the office of the Directorate of the Research, BCKV, Kalyani or to the undersigned.

Sl. No.	Name of the Item/Molecular Kit	Specification	Condition
1.	OligodT(50uM)	HPLC Grade Oligo, 10 ug, Sequence: 5' TTT TTT TTT TTT TTT-3'	Reputed Internationally recognized manufacturer
2.	Oligo/primer synthesis	Oligo: 10 nMole/ ~4 O.D. Upto 40-mer, Salt-free, High purity	Reputed Internationally recognized manufacturer price must be on <b>per base</b>
3.	Sequencing of PCR product	Purification, quality control and PCR product sequencing	Highly reputed Internationally recognized company based analysis price must be on <b>per sample</b>
4.	SyBR Fast Master with low ROX	Bright green Fast SYBR Green QPCR Master Mix with Low ROX	(globally reputed company make) Price must be on par pack/ reactions
5.	Templi Phi™ Amplification Kit	<p><b>General description</b></p> <p>TempliPhi™ DNA Amplification Kits use isothermal rolling circle amplification (RCA) to efficiently prepare DNA sequencing templates.</p> <p>TempliPhi™ Kits use a unique process to efficiently prepare micrograms of circular DNA from picogram input material. The DNA templates are prepared by rolling circle amplification (RCA) using bacteriophage Phi29 DNA polymerase. TempliPhi™ uses an isothermal method for the exponential amplification of circular DNA. Phi29 DNA polymerase is active at 30° C, enabling amplification to be performed at this temperature without the need for thermal cycling. The TempliPhi™ protocol requires less than 20 min of hands-on time to amplify 96 samples from</p>	<p>TempliPhi™ DNA Amplification Kits are available to meet different throughput requirements.</p> <p>TempliPhi™ DNA.</p> <p>Price of Amplification Kit <b>100- and 500-reaction kits</b> contain separate, <b>unmixed</b> components for enhanced stability.</p>

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		bacterial colonies. <b>On container:</b> Subject to proprietary rights of the manufacturer. May not be re-sold or used except with the other components of this kit.	
6.	mRNA-Seq/De Novo NGS of plant samples	30 Million reads/Sample; Standard Data Analy Specification of mRNA-Seq/De Novo NGS of plant/insect/fungi samples 1. RNA Sequencing & Analysis of Plant samples. 2. RNA isolation, RNA QC, Library Preparation with data generation, 2X150bp chemistry on illumina platform. 3. <b>Data Required - 30GB Clean read per sample with Denovo based bioinformatics analysis with Publication &amp; training support. NCBI submission.</b>	Price must be given par sample basis analysis <b>Condition:</b> Free pick up of sample in dry ice from BCKV must be assured in the quotation

**Condition:**

- i. All the items must be quoted by the reputed vendor/authorized dealer/manufacturers
- ii. The items must be reputed manufacturer/serve provider in India
- iii. Sequencing of PCR product and mRNA-Seq/De Novo NGS of plant samples must be performed in Illumina/Sanger sequencing platform with highthroughput system
- iv. The authority/purchaser have the right to cancel the quotation, if not matched with specifications and condition.
- v. Bidder must ensure that all above features are supported by documentary evidence such as a Technical catalogue of the product or User manual of the product (which should be available on the internet) or the manufacturer's webpage where it is applicable.
- vi. No communication will be entertained after submission of the quotations.

*As per decision of the 20th LTC meeting held on 29/07/2022, the Tender Notice is approved for uploading in the University Website*  
*Forwarded to the Registrar*  
*29/7/22*

  
**JAYANTA TARAFDAR** 29.7.2022  
 Officer in Charge  
 AICRP on Tuber Crops, Kalyani Centre  
 Directorate of Research, BCKV  
 Kalyani-741235, West Bengal