

ICAR-CENTRAL SOIL SALINITY RESEARCH INSTITUTE

KARNAL-132001

Date: 31. 01.2022 / 7815

LIMITED TENDER FOR SEQUENCING WORK

Sub: Quotations for Amplicon sequencing of V3-V4 region of soil DAN-reg.

Sir,

You are hereby invited to submit the sealed quotations for the Amplicon sequencing of V3-V4 region of soil DAN as per attached specifications alongwith terms & conditions. The quotation must reach this office on or before 15.02.2022 upto 01:00 PM in the name of Director, ICAR-CSSRI, Karnal- 132001.

TERMS & CONDITIONS:

1. The quotations must be sealed. The quotation reference no. and due date should invariably be super subscribed on the envelope cover.
2. The authorization certificate of manufacture must be attached.
3. Full bank details must be mentioned i.e. bank account, IFSC code for smooth transaction of payment.
4. The payment will be made on the bill basis after completion of work.
5. Director, ICAR-CSSRI has the right to cancel the quotations without assigning any reasons.


31/1/22
Asstt. Admn. Officer(P)

Dated: December 04, 2021

Subject: *Amplicon sequencing of V3-V4 region of soil DAN-reg.*

Approval and sanction may kindly be given for sequencing services of soil DNA of 25 soil samples under DST-WTI project

Specifications:

1. Amplicon sequencing for V3-V4 region, NG grade meta gDNA isolation from soil and sequencing
2. Extraction and QC should be done for samples before processing for library
3. Library should be made for V3-V4 region using proprietary primers with published resource
4. Sequencing should be done on Miseq 300X2 platform to generate 1 lakh clean high quality reads
5. Miseq platform in house facility certificate should be provided
6. Bioinformatics should include below points
 - Quality filtration of data,
 - QIIME Analysis
 - Pie charts for each taxonomic class.
 - Heat map,
 - abundance and identification of microbial community,
 - Taxa identification
 - Rarefaction curve and alpha diversity,
 - Comparative analysis
 - Beta diversity (PCoA Plot) (if more than 3 samples),
 - Krona plot
 - NCBI submission (SRA)