

Tender 10/2018-DARE-361191-2



ICAR-CENTRAL TUBER CROPS RESEARCH INSTITUTE

(Indian Council of Agricultural Research)

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F. No 80/2015-INCP

Date: 16.07.2018

NOTICE INVITING QUOTATION THROUGH E-PROCUREMENT

1. Online Bids are invited from the reputed firms under one bid system for **mi RNA sequencing of cassava plant samples** Rate shall be quoted in the Microsoft Excel sheet uploaded as BOQ on the CPP Website. (on CPP site <https://eprocure.gov.in/eprocure/app>). Manual bids shall not be entertained.

2. Tender documents may be downloaded from e-Procurement website of CPP <https://eprocure.gov.in/eprocure/app> as per the schedule given in CRITICAL DATE SHEET as under:-

| | |
|--|---|
| Tender No | 80/2015-INCP |
| Date and Time for Issue/Publishing | 17.07.2018 at 11.00 am |
| Document Download/Sale Start Date and Time | 17.07.2018 at 03.00 pm |
| Bid Submission Start Date and Time | 18.07.2018 at 10.00 am |
| Bid Submission End Date and Time | 26.07.2018 at 3.00 pm |
| Date and Time for Opening of Bids | 27.07.2018 at 3.30 pm |
| Address for Communication | Director ICAR-Central Tuber Crops Research Institute Sreekariyam, Thiruvananthapuram Kerala-695017 |

3. Bidders are advised to follow the instructions provided in the 'Instructions to Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>'.

4. The work/item is to be completed /supplied within 45 days or as subsequently amended in enquiry documents or uploaded in CPPP website <https://eprocure.gov.in/eprocure/app> in accordance with the phasing, if any, indicated in the enquiry from the date of issue of Supply Order.

5. Intending bidders are advised to visit again CPPP web site [https://eprocure.gov.in/eprocure/ app](https://eprocure.gov.in/eprocure/app) 1 day prior to date of submission of bids for any corrigendum/addendum/amendment.

6. The following terms and conditions will govern supply of stores:

(a) Work will be completed within the stipulated date in the work order. No extension will be granted except in the case of natural calamity, factory lock out etc. which is beyond the control of supplier. In such cases supplier shall/should approach this office well in advance but not later than the date for consideration towards extension of date of delivery.

(b) The ICAR-CTCRI reserve the right to reject the stores/work in case these are found not conforming to specification/sample prescribed.

(c) During evaluation and comparison of bids, the buyer may, at his discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

(d) Any clarification regarding size, specification or printing mistake, if any, can be sought by the bidder before 'Clarification End' date. No request for change in Make/model number/size/ specification etc on any pretext will be entertained post-bid.

(e) Work orders are liable for cancellation without assigning any reasons prior to actual supply of stores within the time specified for supply in the supply order.

(f) The rate should remain valid for three months.

(g) As per the existing rules, no advance payment will be made.

(h) The right to accept or reject any or all of the quotation in full or part thereof is reserved by the Director, ICAR-CTCRI, Thiruvananthapuram.

(i) The rates are to be quoted to have a minimum validity for a period upto 90 days from the last date of submission of quotation/tender and the rates are to be quoted with cost and supply of all materials at site, taxes, transportation of material and labour charges etc.

(j) Any bid found without GST No & certificate will not be admitted and treated as cancelled.

7. The following document to be uploaded at the time of bid submission.

- a) Copy of PAN/TIN/GST number.
- b) Bank account details.
- c) Tender acceptance letter to be given in the - As per Annexure -I
company letter head
- d) Technical specification of sequencing work - As per Annexure -II


Senior Administrative Officer 1/2

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of terms and conditions of tender.

Tender Reference No :

Name of tender/work _____

Dear Sir,

1. I/We have downloaded/obtained the tender documents for the above mentioned Tender/work from the web site(s) namely:

As per your advertisement, given in the above mentioned website(s).

2. I/We hereby certify that I/We read the entire terms and conditions of the tender documents from Page No ____ to _____ (including all documents like Annexure(s), Schedules(s) etc..) which form part of the contract agreement and I/we shall abide hereby the terms/conditions/clauses contained therein.

3. The corrigendum(s) issued from the time by your department/organization too have also been taken into consideration, while submitting this acceptance letter.

4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in its totality/entirety.

5. I/We do hereby declare that our Firm has not been blacklisted/debarred by any Govt. Department/Public Sector Undertaking.

6. I/We certify that all information furnished by the our Firm is true and correct and in the event the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,
(Signature of the Bidder, with Official Seal)

Detailed work flow invited for the miRNA sequencing of Cassava Plant Sample on Illumina HiSeq2500 with complete bioinformatics analysis

Introduction

ICAR-Central Tuber Crops Research Institute (ICAR-CTCRI), Thiruvananthapuram wants to perform miRNA sequencing and analysis of cassava plant samples using Illumina HiSeq next generation sequencing platform, as part of the study on Characterization of small RNA mediated gene regulatory mechanisms during Virus-plant interactions.

Project detail: Small RNA sequencing and analysis on illumina Platform

Proposed platform: Illumina HiSeq 2500

Number of Sample: 6 samples

Data Required: ~ 10 Million Reads for each sample, 3-4GB DATA result for each sample should be provided at the end of analysis

Project Timeline: 30-45 days from the supply of samples

Library: 1x50bp

Scope of the work: The project includes the miRNA library preparation and sequencing. It also involves extended bioinformatics analysis of the sequenced data. Q30 of the sequenced data should be of >80%. Basic data QC metrics, raw data in fastq files and all the reports of analysis should be given in the result. The data analysis should include the Quality check and Filter of low quality reads, Adapter trimming and removal of other contaminants. The bioinformatic analysis of the clean data should be done with Cassava (*Manihot esculenta*) genome as well as the bipartite genome of pathogen. The data analysis should also perform identification of conserved and novel miRNAs, prediction of their targets, differential expression analysis of miRNAs, Gene Ontology and pathways analysis.


Senior Administrative Officer i/c