



भाकृअनुप - केन्द्रीय बारानी कृषि अनुसन्धान संस्थान

ICAR - Central Research Institute for Dryland Agriculture

संतोषनगर, सैदाबाद-पोस्ट हैदराबाद ५०००५९ Santoshnagar, Saidabad P.O. Hyderabad 500 059

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F. No: 9-1/(29)/2016/NICRA/ST

Date: 12.07.2016

Sub: Quotation is invited for Custom Services for carrying out transcriptome analysis- Reg.

Dear Sir (s),

Quotations are invited for following items cited below:

S. No	Name of the Items	No. of samples
1	<p>Custom Services for carrying out transcriptome analysis.</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Technology to be used: Illumina HiSeq 2500 2. Application: mRNA sequencing for quantitative expression analysis and SNP identification 3. Organism: Maize 4. Sample Type: seedlings 5. No. of genotypes: 2 6. Treatments: 2 (control, stress) 7. Library Protocol: Stranded mRNA protocol 8. Data output: 40-50 million reads <ol style="list-style-type: none"> a. Quality Control of samples using latest standard soft wares b. Caliper profile of Library should be provided to confirm the purity of sample and library. c. Detail technical note should be provided for Bioinformatics Analysis: d. Final report should contain <ol style="list-style-type: none"> i. Statistics of raw reads ii. Sequencing saturation analysis iii. Statistics of reads randomness iv. Analysis of the distribution of reads on reference genome v. Gene expression annotation vi. Screening and identification of differentially expressed genes vii. Experimental repeatability and reproducibility analysis viii. Expression pattern analysis ix. Comparative transcriptomics study x. GO enrichment analysis xi. Pathway enrichment analysis xii. SNP and SSR Discovery <ul style="list-style-type: none"> • Should be ISO certified company for next generation sequencing and bioinformatics services. • Please provide proof of working with government institutes where your services were used recently to generate next generation sequencing data using Illumina HiSeq2500. • Sequencing should be performed on 4 dyes based sequencing systems to generate highest quality data. 	4 Nos

TERMS & CONDITIONS

- 1) The last date for submission of quotation is on or before **03-08-2016**. Rates offered shall be F.O.R. CRIDA, Hyderabad
- 2) Quotations should be sent by post only in a sealed cover addressed to the Director, Central Research Institute for Dry land Agriculture, Santoshnagar, Saidabad Post, Hyderabad - 500 059. The cover containing quotation should invariably be super scribed. The quotations in person by hand will not be accepted.
 - a) Enquiry F. No: 9-1/(29)/2016/NICRA/ST
 - b) Due on 03-08-2016
- 3) **For Custom Services for carrying out transcriptome analysis**
- 4) The quotation should remain open for acceptance for a period of 90 days from the date (due date)

- 5) **Bid security (EMD).** The quotation should accompany with a bid security of **Rs.7500/- (Rupees Seven thousand Five hundred only)** in favour of "ICAR unit A/c, CRIDA, Hyderabad" in the form of Demand draft. The prescribed bid security will be returned to the unsuccessful bidders. The bid security in the case of successful bidder will be returned only after the completion of warranty /Guarantee period.
- 6) No advance payment/delivery against payment is permissible. However, the payment shall be arranged in 10 days from the date of submission of pre-receipted bill in triplicate along with stores.
- 7) The rates quoted should be net payable for each item for delivery at the Institute at the address given above (inclusive of all taxes, packing, forwarding, transport, insurance and excluding rebate/discount etc.)
- 8) This Institute is not in a position to supply any 'D' or 'C' forms.
- 9) While quoting the rates please mention the following:
- Approximate time for supply of stores from the date of placing order.
 - Guarantee/Warranty/Expiry period
 - In case you have got any rate contract with the DGS&D, the same may be indicated
 - Any other condition

Quotation which do not conform to the above terms and conditions will not be considered. The Director, Central Research Institute for Dryland Agriculture, reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

Yours Sincerely

(Er C V K N Rao)

Stores and Purchase Officer