

DEPARTMENT OF PLANT MOLECULAR BIOLOGY
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Tender Enquiry for DNA Sequencing

E-tenders are invited from national firms/institutes for DNA sequencing of 34 plant viral samples with data analysis to be carried out as per the specifications below:

1. Required sequencing of full-length viral amplicons from pooled infected samples with a minimum read length of 100 bp paired ends using Illumina platform.
2. The sequence data should be provided through an active FTP link.
3. The data should consist of FASTA format files with a quality score for raw reads as well as for processed (quality trimming and sequencing artefacts and adapter sequence trimming).
4. Data should be publication quality along with additional sequence information.

The data has to fulfil the above criteria.

Sample Details: 34 samples will be sent to the firm at two-time points. It will be the responsibility of the service provider to collect the samples from the lab and transport them to the sequencing center under proper conditions. The client will not provide any payment for the transportation of the samples.

Data delivery deadline: Sample (DNA) QC report should be submitted within 5 to 7 working days after receiving the samples. Raw FastQ file, Clean FastQ file, sequencing details and data analysis report should reach the client in hard disk(s) within 30 working days after sample QC is completed.

Payment details: Payment by bank transfer will be made only after the receipt of the complete data in accordance with the criteria already mentioned in the tender document. If data does not fulfil the above-detailed criteria, the data will not be accepted and payment will not be made. If the vendor does not follow the above mentioned detailed criteria or delays the delivery of data, the client has the full right to cancel the agreement with the vendor at any time.

Other mandatory terms and conditions:

1. The selection of the firm for the above-mentioned service will be based on a **two-bid system viz technical and financial bids**. Financial bids of only those vendors who clear the technical specifications will be opened and the vendor quoting the lowest price will be awarded the job.
2. The tender should be uploaded only at the CPPP website: <https://eprocure.gov.in/eprocure/app>
3. Details of all protocols/methods followed for sequencing, and raw as well as high quality assembled sequence data should be provided in appropriate storage devices.
4. Bioinformatics analysis should be carried out by an experienced person (with publications on the same to his/her credit) who should have a PhD degree in the relevant subject.
5. Details of analysis and regular updates of work progress should be provided to the principal investigator.

6. Bioinformatics and post-analysis, which should not be limited to the above-mentioned descriptions, some of the requirements may change depending on the initial leads, bioinformatics support is required until manuscript preparation and even to satisfy reviewers' comments if any.
7. Vendors should provide documentary evidence of technical expertise and experience in this area for the completion of this work.
8. The vendor should provide in house Illumina HiSeq 2500 instrument facility certificate explicitly on the name of the company (it should not be in a lease or a tie-up).
9. Samples or data should not be outsourced outside India at any stage.
10. Performance certificate of the company for the last 5 years.
11. The company should also submit a satisfactory certificate (Testimonial/Feedback certificate) from customers/Scientists/Institutes within the last three years.
12. Quote price per sample inclusive of all taxes.
13. A compliance sheet mentioning each of the points specified in the tender should be submitted along with the technical bid.

PLEASE NOTE: ONLY ONLINE SUBMISSIONS (AND NOT HARD COPIES) OF THE BIDS WILL BE CONSIDERED

