

Department of Biotechnology

Visva-Bharati

TENDER/QUOTATION/ENQUIRY

Ref. No. DBT-VB/NDEY/SERB/WGS/001 Dated: 04.04.2017

Please quote your lowest rates for the following item so as to reach to Dr. Narottam Dey, PI of SERB funded project, Dept. of Biotechnology, Visva-Bharati, Santiniketan – 731235 on or before the date and time noted below. Please see terms & Conditions as mentioned below, which are essentials for the following item, the failure in compliance of which may lead to rejection of the quotation. Net price should be quoted including all taxes and other expenditures whatever they may be.

Description of the item:

Title: Whole genome resequencing of Rice DNA sample and Bioinformatics analysis

Details:

A. Whole genome resequencing of Rice DNA sample:

Name of Organism: Rice (*Oryza sativa* L)

Genome Size: (approx genome size 389 Mb)

Platform: at least Illumina Hiseq 2500

Coverage: minimum 10 X

B. Bioinformatics Analysis required:

1. Base quality score distribution
2. Sequence quality score distribution
3. Average base content per read
4. GC distribution in the reads
5. Read-length distribution
6. The fastq read quality should be assessed and necessary filters should be applied to retain high quality reads. A quality report should be provided.

Alignment: Align the sequence data with recent IRGSP data base.

Variant calling and comparison: Variant calling and comparison with the samples should be made.

SNP, Indel variation, mutation detection and gene ontology of a selected targeted phenotype as mentioned by PI of the project.

1. The offers should be addressed to Dr. Narottam Dey, PI of SERB funded project, Department of Biotechnology, Visva-Bharati, Santiniketan.

LAST DATE OF SUBMISSION 21- 04- 2017 HOURS (I.S.T.) 4.30 p.m.

2. "Enquiry No. **Ref. No. DBT/NDEY/SERB/WGS/001 Dated: 03.04.2017:** On the face of the envelop
3. Apart from other applications in respect of quality, standard, terms etc., the offer should specially clarify the points noted below, in the following order.

(i) Validity of offer: (ii) Period of Delivery (iii) Total cost including all taxes.

4. University reserves the right to accept/cancel any of the tender or part