



Department of Biotechnology

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Dr. B.C. Guha Centre for Genetic Engineering & Biotechnology

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Ref No: CU/BT/AS/WBDBT/2019/2

Date: 08/02/2019

QUOTATION NOTICE

Quotations for the sequencing and analysis of following items are invited from authorized parties for the WBDBT funded project entitled "Exploring the molecular mechanisms leading to improvement of Endophyte -mediated Arsenic phytoremediation in *Solanum nigrum*" (70(Sanc.)-BT/(Estt.)/RD-61/2017) under Dr. Anindita Seal. Suppliers are requested to submit quotations of all items listed below in a sealed envelope within 10 days from the publication of this notice. The quotation should be addressed to the undersigned, Department of Biotechnology and Dr. B.C. Guha for Genetic Engineering and Biotechnology, University of Calcutta.

(i) **Project:** Whole genome sequencing for bacteria on illumina

- **Proposed platform:** Illumina HiSeq 2500
- **Number of Sample:** 1
- **Species:** Bacteria
- **Genome Size:** 5Mb
- **Coverage required:** 100x

(ii) **Project:** Whole Genome Metagenomic Sequencing

- **Sample source - Total DNA**
- **Proposed platform:** Illumina Hiseq
- **Read Length:** 2x150bp
- **Out Put:** 3-4 GB Data /Sample
- **Data-** 80% Data will be of Q30
- **Number of Samples-** 2

(iii) **Project:** Ref based Transcriptome Sequencing and Bioinformatic Analysis of Rice samples on Illumina Platform

- **Proposed platform:** Illumina Hiseq 2500/4000
- **Samples:** 12
- **Data Requirement :** 30-40 million raw reads/Sample

Yours faithfully

(ANINDITA SEAL)

Dr. Anindita Seal
Assistant Professor
Department of Biotechnology
University of Calcutta



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Ref No: CU/BT/AS/WBDBT/2019/1

Date: 08/02/2019

QUOTATION NOTICE

Quotation for the following item are invited from authorized parties for supplying the undernoted item for the WBDBT funded project entitled "Exploring the molecular mechanisms leading to improvement of Endophyte –mediated Arsenic phytoremediation in *Solanum nigrum*" (70(Sanc.)-BT/(Estt.)/RD-61/2017) under Dr. Anindita Seal. Suppliers are requested to submit quotations for the item listed below in a sealed envelope within 10 days from the publication of this notice. The quotation should be addressed to the undersigned, Department of Biotechnology and Dr. B.C. Guha for Genetic Engineering and Biotechnology, University of Calcutta.

Sl. No.	Item	Quantity
1	Laminar Air Flow	1

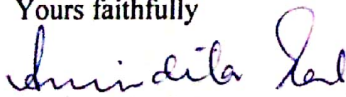
Specifications

- The cabinet or closet should be a carefully enclosed bench designed to prevent contamination of biological samples, or any particle sensitive materials. Air should be drawn through a HEPA filter and blown in a very smooth, unidirectional flow towards the user. The bench (2' x 2') should be made of stainless steel.
- System should have additional facility to measure the hydrogen-ion activity in water-based solutions, indicating its acidity or alkalinity and to incubate samples in water at a constant temperature over a long period of time having a digital or an analogue interface to allow users to set a temperature.
- The cabinet must have a UV-C germicidal lamp to sterilize the interior and contents before usage to prevent contamination of experiment along with normal Fluorescent illumination.
- Air Handling Unit : Should be of 1/4th HP, 1440 RPM Motor, shafts directly fitted with Aluminium centrifugal type impeller. Air velocity - 90 FPM.
- Filters: Pre Filter: Non Woven synthetic polyester fibre with fine HDPE mesh reinforced on both sides in enamel coated casing. Specially treated with anti fungal and bacterial agents to inhibit growth of microorganisms. Washable with water and reusable.
- Hepa Filter: Ultra fine glass fibre paper deeply folded and separated with fine Aluminium foils, casing by mild steel enamel coated sheet. Should have retention efficiency 99.97%, dimension - 2' x 2' x 0.6". Pressure: Drop 23 mm WG.

To be supplied complete with following accessories

1. Static Pressure Manometer,
2. Transparent Perplex Front Door and side Panels
3. Cock for Gas, Air Line

Yours faithfully


(ANINDITA SEAL)

Dr. Anindita Seal
Assistant Professor
Department of Biotechnology
University of Calcutta