

**Dr. Sudipta Ray**  
 Centre of Advanced Study  
 Department of Botany  
 Mob.: 94330 65760  
 e-mail: srbot@caluniv.ac.in  
 Phone (O): 2461-5277/ 4711 (Ext. 319)



**UNIVERSITY OF CALCUTTA**  
 Department of Botany  
 TARAKNATH PALIT SIKSHA PRANGAN  
 35, Ballygunge Circular Road  
 Kolkata – 700 019, W.B., INDIA

## Quotation Notice

Ref. No. BOT/SR/WBDBT/EQUIPMENTS /1/17-18

Dated. 02/05/2017

Quotations for the following items are invited from authorized parties for supplying the undernoted items for the **WBDBT project entitled ‘IN PLANTA VALIDATION FOR CO-EXPRESSING DEHYDRIN GENE(S) ALONG WITH GENE(S) INVOLVED IN RFO BIOSYNTHESIS FOR IMPROVING DROUGHT AND SALINITY STRESS TOLERANCE’ (Sanction no. 237(Sanc.)/BT(Estt.)/RD-28/2016 dated 29-03-2017)**, under Dr Sudipta Ray (PI). Suppliers are hereby requested to submit their quotation including the current Trade License, Service Tax Registration Certificate, PAN No., copy of Registration Certificate with Statutory Authorities and other credentials within 10 days from the publication of this notice in a sealed envelope addressed to the undersigned. The authority reserves the right to accept/reject any quotation without showing any reason thereof.

Sl. No.	Product Description	Make	Qty.
01	<p><b>Ultrapure water purification system capable of producing ultrapure water from tap water as per specification</b></p> <p><b>1. Imported RO purification unit :</b></p> <ul style="list-style-type: none"> <li>- Bench top RO system should be capable of rejection of up to 99.9% organic and inorganic matter (&gt;150 Daltons).</li> <li>- It must have Micron filter and Carbone filter cartridges before RO module to enhance life and performance of RO membrane.</li> <li>- Conductivity cell before and after RO module.</li> <li>- RO water should meet the ASTM type-3 water quality.</li> <li>- RO water production capacity minimum 10 Ltr. /hr.</li> <li>- Digital display for Feed and Product water conductivity.</li> </ul> <p><b>2. Imported RO water storage cum delivery unit :</b></p> <ul style="list-style-type: none"> <li>- RO water should be stored in a pressurized and hermetic tank to protect RO water against secondary contamination from air.</li> <li>- The Storage tank could be kept in any position and in any direction near the main systems.</li> <li>- The tank should be free from any consumable/spare which is needed to be replaced periodically and is capable of delivering water to Type-1 without use of any</li> </ul>	Any	1

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	<p>delivery pump.</p> <ul style="list-style-type: none"><li>- Capacity minimum 50 Ltr.</li></ul> <p>3. Imported Ultra Pure Water purification unit :</p> <ul style="list-style-type: none"><li>- Bench top Ultrapure water system capable of delivering ASTM Type-1 ultrapure water with flow rate &gt; 1 Ltr./min.</li><li>- It must have in-built mixed bed Deionization Resin cartridges, 185/254 nm UV photo-oxidation module and UF cartridge</li><li>- Product water Quality – Resistivity: 18.2 MΩ·cm TOC: Reduce by 5 log cycle. Bacterial count: &lt; 1 cfu/ml Particulates (&gt; 0.2 μm/ml) : &lt; 1 part/ml Endotoxines: &lt; 0.001 EU/ml</li><li>- Digital display .</li><li>- Audio- Visual alarm for security.</li></ul> <p>4. Indigenous Pre Filter system : A heavy duty RO Base Prefilter( Output ≥ 30L ) capable of reduction of TSS, TDS, Inorganic ions, Organic matter etc. from Tap water should be supplied with the main instrument.</p>		
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Yours faithfully,

(Dr. Sudipta Ray)  
Assistant Professor,  
Department of Botany,  
University of Calcutta.

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Sl. No.	Product Description	Make	Qty.
01	HPLC column (Agilent Hi-Plex Ca, 7.7 × 300 mm, 8 µm)	Agilent	1

Yours faithfully,

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## Quotation Notice

Ref. No. BOT/SR/WBDBT/EQUIPMENTS /3/17-18

Dated. 02/05/2017

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Sl. No.	Product Description	Make	Cat. No.	Qty.
01	CFX96 Touch Real Time PCR	BIORAD	185-5196	1

Yours faithfully,

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