

**Dr. Mainak Sengupta**  
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## **QUOTATION NOTICE**

Ref. No.: MSG/SERB\_Rec 1/Year 20-21 Dated: 06.10.2020

1. Quotations for the following item(s) are invited from authorized parties for supplying the under noted items for the DST-CSRI funded project under Dr. Mainak sengupta (PI). Suppliers are hereby requested to submit their quotation including the current GST registration certificate, PAN no., copy of registration certificate with statutory authorities and other credentials within 5 days from the publication of this notice in a sealed envelope addressed to the undersigned. **Please provide a tender complete in all aspects, otherwise, it won't be considered.** The authority reserves the right to accept/reject any quotation without showing any reason thereof.

<b>S. No</b>	<b>PARTICULARS</b>	<b>QTY</b>
<b>1.</b>	DNA QC, library preparation, cluster generation, and sequencing with Illumina HiSeq Sequencer. 2x150bp reads 80 - 100 X average on target depth With Bioinformatic Analysis	10 reactions

Yours faithfully,

**Dr. Mainak Sengupta**  
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University of Calcutta, Kolkata

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## QUOTATION NOTICE

Ref. No.: MSG/SERB\_Non-Rec 1/Year 20-21 Dated: 05.10.2020

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S. No	PARTICULARS	QTY
1.	<p><b>GEL DOCUMENTATION SYSTEM (COMPRISING CCD CAMERA, DARK HOOD, UV TRANSILLUMINATOR, FILTER AND SOFTWARE)</b>  <b>Model : GELSTAN 1012 ECONOMY</b>  <b>Make : MEDICCARE</b>  <b>Camera Features:</b></p> <ul style="list-style-type: none"> <li>• Monochrome CCD Camera.</li> <li>• 4.2 M pixels.</li> <li>• Resolution 1024 x 1392 Pixels.</li> <li>• Low noise. High speed data interface.</li> <li>• Fire wire interface to complete command transfer and fast image capture.</li> <li>• Elegant dark room for better imaging of the gels.</li> <li>• 6X manual zoom lens, 8-48 mm.</li> </ul> <p><b>Software features L300 (LABIMAGE, Germany):</b></p> <ul style="list-style-type: none"> <li>• Recognize number gel lanes manually.</li> <li>• Bands and background automatically.</li> <li>• Add or delete any band, adjust or move any lane as you want Density contrast.</li> <li>• Scan appointed gel lane, describe the scan curve, and then compute the density integral calculus and peak value of each band in this lane. Compare the volume of one spot to a reference.</li> <li>• Cancel or redo all the operations infinitely.</li> </ul> <p><b>Image Pre-processing:</b></p> <ul style="list-style-type: none"> <li>• Image filter: brightness, contrast.</li> </ul> <p><b>Image Analysis:</b></p> <ul style="list-style-type: none"> <li>• Manual lane detection</li> <li>• full automatic band detection</li> <li>• manual lane and band correction</li> <li>• Bend and move single lane or lane box</li> <li>• Scalable lane profile ,</li> </ul> <p><b>Calculation:</b></p>	One

<ul style="list-style-type: none"><li>• Basic values: MW, Rf, Volume (5 values)</li></ul> <p><b><i>MW Standard:</i></b></p> <ul style="list-style-type: none"><li>• Create own MW standard</li><li>• Export standard Assign sample image to standard</li><li>• 6 calibration curve types</li><li>• MW Standard editor</li></ul> <p><b><i>Features of UV Transilluminator;</i></b></p> <ul style="list-style-type: none"><li>• High UV output. 6 tubes x 8watt</li><li>• Viewing area: 20 cm x 20 cm.</li><li>• Wavelength: 312nm. 230V, 50 Hz.</li><li>• Special UV quality filter glasses with long durability and optimal material properties for a high efficiency of the UV transparency</li></ul> <p><b><i>Filter:</i></b></p> <p>Ethidium Bromide Filter is supplied as standard filter</p>	
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