

REF: PH/PRS/0369/2019-20

Date 04-09-2019

Dear Sir/Madam,

Kindly send your lowest quotation for a “shaker incubator/growth chamber for algae” with the attached specifications. Your quotation should clearly indicate the terms of delivery, delivery schedule, E.D., S.T., Transportation charges, installation charges, if any, payment terms etc. All the necessary components needed to operate the item should be included. Your quotation duly signed and sent in a sealed envelope containing the detailed technical specification of the system including the details of the submodules/components required and the commercial bid (price estimates) should reach on or before 19-09-2019.

Yours faithfully,
Dr. Prerna Sharma
Assistant Professor
Department of Physics,
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Bangalore 560012

The specifications of the shaker incubator/growth chamber for algae are as follows:

1. Number of Tiers with Illumination: 3 (2 removable and 1 inbuilt)
2. LED light illumination type: Cool white LED light panels with user-defined custom protocol/program for controlling light intensity and duration of each tier individually.
3. Maximum Illumination Intensity: $500 \mu\text{mol.m}^{-2}.\text{s}^{-1}$ or higher for top panel and $100 \mu\text{mol.m}^{-2}.\text{s}^{-1}$ or higher for lower panels
4. Controlled Temperature Range: $+15^{\circ}\text{C}$ to $+45^{\circ}\text{C}$ (shaking ON, max illumination ON)
5. Internal Volume: 265 litres or more
6. Compatible orbital shaker of speed range 30-500 RPM with platform(s) to attach clamps for 100 ml and 1000 ml Erlenmeyer flasks.
7. Compressor: 220-240V ;~ 50 Hz
8. Power Input: 600 W / 900 W
9. Warranty : Minimum 1 year warranty.