



SCHOOL OF ENVIRONMENTAL STUDIES

Date: 05/12/2022

Enquiry No: JU/SOES/LT-4/22-23

Dear Sir/Madam,

I shall be pleased to receive your lowest possible quotation in a sealed cover with our Enquiry Number and the due date duly superscribed on the Cover and on the face of the offer letter for the supply of the under mentioned goods or articles, subjects to the Terms and Condition mentioned in the below.

Last date for submission of quotation is 30/12/2022 within 05: 00 pm

1. Microcosm for simulating intertidal environment. See attached details

Yours faithfully

Director

Jandeep Mukherjee
05/12/2022

Director
School of Environmental Studies
JADAVPUR UNIVERSITY
Kolkata - 700 032

TERMS & CONDITIONS OF TENDER

- Authorization Letter from Manufacturer or Manufacturing Certificate from authority must be provided for Equip etc.
- Quotation shall be accepted only from GST registered Vendor/Dealer/Manufacturer etc.
- The GST registration number must be mentioned on the quotation.
- Warranty must be mentioned for the item.
- Validity of your offer will be 30 days.
- University reserves the right of selection.

Description of the microcosm

Tank with top flanges and one reservoir (with flange) will be mounted on a base. The second reservoir (with flange) may be placed on the floor. Two flowmeters are to be purchased. Pump already available with the department hence not to be purchased.

Liquid will flow from reservoir no. 1 through gravity at flowrate of 25-30 mL/min and will fill the tank in 6 hours. After that the drain valve will be opened manually and the liquid will drain out of the tank at 25-30 mL/min in 6 hours. The liquid will be collected in reservoir no. 2 after which it will be pumped manually to reservoir no. 1. The process will be repeated four times a day ($6 \times 4 = 24$ hrs)

Dimensions of the tank = 17 cm (H) \times 44 cm (L) \times 27 cm (B)

Dimensions of the solid triangular block with corrugated slope = 33 cm (base) \times 10 cm (altitude) \times 35 cm (hypotenuse)

Dimension of each teeth = 1 cm \times 0.5 cm (see diagram)

Flow controller (electronically controlled) with flowmeter, range of flowmeter = 0 – 100 mL/min (working 25-30 mL/min). 2 nos. required

Volume of reservoir tanks = 15 liters (2 nos. required)

Horizontal bar on the top of the tank flange for attachment of four electrodes. Dimensions will be provided later to the vendor who is assigned the job.

Tank and reservoirs to be made out of transparent polymethylmethacrylate (PMMA). Base, support rods of reservoir no. 1 and triangular block to be made out of high density polypropylene (HDPE) block. High-quality flexible piping will be used for all connections.



