

**KSCSTE- JAWAHARLAL NEHRU TROPICAL BOTANIC GARDEN & RESEARCH
INSTITUTE**

(An Institute of Kerala State Council for Science, Technology and Environment, National
Centre of Excellence, Govt. of India)Palode, Thiruvananthapuram. 695562, Kerala,
India)Tel: +91 (0) 472-2869626, 2869628, Fax: + 91 (0) 472 – 2869646, 2869226.

e-Tender Notice

Tender ref no: JNTBGRI/1174/VGY/A325/PCC(P)/24 **13-06-2024**

Tender id: 2024_KCSTE_676031_1

e-tenders are invited from competent vendors for the supply of Biological Safety Cabinet with the following specifications at JNTBGRI, Palode, Thiruvananthapuram

Sl. No.	Item with complete Description	No.
1.	<p>Biological Safety Cabinet- Class II B2 . <u>Specifications</u></p> <ul style="list-style-type: none"> • <u>Size</u>: External Dimension: LxDxH: 180 x 85 x 250 Cm. Internal Dimension (working area):LXDXH: 173 x 60 x 60 Cm. • <u>Main body</u>: Constructed in mild steel with epoxy powder coated. • <u>Working Platform</u>: Seamless, scratch-free, high quality 18-gauge stainless steel, grade 304. • <u>Air flow</u>: 100% air exhaust through ULPA filter and vertical air flow is required • <u>Filter type</u>: Supply of ULPA filter 99.999% at 0.12 micron. • <u>Control panel for uv light & blower</u>. Continuously display true value of differential pressure of ULPA filter for inflow as well as down flow velocity. • <u>Ultra violet tube light</u>: Germicidal / 254 nm. • <u>Electrical socket</u>: Internal sockets inside the Chamber. • <u>Front control panel</u>: Suitable front control Panel to avoid direct exposure of UV tube light. • <u>Front sash door</u>: Manual sliding sash door made up of strong poly carbonate sheet or toughened glass with sloping front for better access of samples. • <u>Air velocity</u>: 100 ft./min ± 10 or higher. • <u>Illumination of work surface</u>: fluorescent tube light (intensity > 600 lux) with excellent illumination for work surface. • <u>Working noise level</u>: Should be less than 65 dB. • <u>Power supply</u>: 230 V ± 15%, 50 Hz. 	1 no.

<ul style="list-style-type: none"> • Arm rest bar: Should include arm rest bar to avoid contamination from outside to inside contamination. • Working tray: Should be autoclavable, & removable stainless-steel work surface for easy cleaning. • Drainage port: Provide beneath work surface to facilitate easy & better cleaning of the interior & handling of spillage inside the chamber. • Blower-Motor assembly: Should be dynamically and statistically balanced aluminium centrifugal impeller driven by single phase motor of 2800 RPM. • Castor wheels: Lockable sturdy MS coated Wheels. <p>Other requirements</p> <ul style="list-style-type: none"> • Fluorescent tube light to be positioned at the front side. • System provided with fitting for gas & vacuum • System provided with electrical socket and other accessories. • Seamless stainless-steel removable work surface. • Electrical components used should be of ISI standard or equivalent. for better electrical safety to the operator. • Double inlet blower should be fitted to reduce vibration. • UV absorbent counter balanced front sash door made up of strong polycarbonate sheet with channel locks for adjustment at particular level
Tender Form Fee: Rs. 600/- +12% GST
EMD: Rs. 2700/-
Place and date of issue of tender form : Online (www.etenders.kerala.gov.in) Tender ID:
Last date & time of receipt of filled tender bids : 05.07.2024 upto 5:00 pm
Date & time of opening of tender bids : 08.07.2024 at 10:00 am

DR. S PRADEEP KUMAR.
DIRECTOR(I/C)JNTBGRI