

BOSE INSTITUTE
KOLKATA

Tender No.	:	R/MC/ 852
Tender date	:	14th November, 2013
Type of Tender	:	Limited

Tender Title	:	Biological Safety Cabinet
Specification	:	<ol style="list-style-type: none"> 1. The biological safety cabinet should be of Class II design in compliance with international standards . 2. It should be certified from an internationally reputed independent accredited agency. 3. It should have user protection, sample protection, cross contamination protection and environmental protection 4. It should utilize DC motor technology to ensure lower levels of energy consumption and heat emission. 5. It should have dual blower for independent control for inflow & down flow velocities. 6. The motor should automatically adjust the airflow speed. 7. The interior dimensions (approx): (wxhxd) 900x780x495 mm. Air flow direction: vertical laminar flow & air intake across front opening. 8. Filter: High performance particle air filter (HEPA), filtering efficiency 99.999% at 0.3 micron particle size. 9. Pressure sensor should be in-built for exact airflow measurement. 10. It should have Independent supply and exhaust blowers to balance downflow and inflow/exhaust velocity. 11. Control panel should display inflow/downflow velocities, hours of use etc. 12. Approximately 30% of the air volume should be exhausted as sterile air back into the environment and approximately 70% of the air should be recirculated inside the work area. 13. The UV light should be programmable and should shut off automatically. 14. The front window sash should preferably be angled to reduce glare for users. 15. The cabinet noise level should be less than 55 dB(A). 16. The microprocessor controller must be located for easy viewing by the user. 17. The microprocessor must display the inflow and downflow air velocities in real-time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions. 18. The microprocessor must display the number of hours of use on the HEPA filters to ensure user knows when to replace the HEPA filters to achieve safe working conditions. 19. The interior of the front window must be accessible for cleaning without requiring the user to manually hold the window. 20. The drain pan beneath the work surface must be

		<p>negatively pressurized to ensure that any contaminants are quickly trapped and pushed into the HEPA filters.</p> <p>21. Arm rest should be provided for operator's comfort without disturbing the Air Flow.</p> <p>22. The Work Area should be illuminated with switchable fluorescent lamp of lighting power greater than 1200 lx.</p> <p>23. In built Access ports (23 mm) 4 (2 on each side) should be available.</p> <p>24. The instrument should be quoted with floor stand.</p> <p>25. Service tap for combustible gas with safety valve should be quoted optionally.</p> <p>26. Warranty for 2 years.</p> <p>27. Electrical supply available: 230V A.C, single phase, 50 Hz.</p> <p>28. Prompt & efficient after sales service should be available from Kolkata.</p> <p>29. Some User list and Performance Certificate from reputed Institutes should be provided.</p>
Quantity	:	1

Last date & time for submission	:	10 th December, 2013 upto 13:30 hrs (IST)
Date & time for opening of bids	:	10 th December, 2013 at 14:30 hrs (IST)
Submission of Tender(Address)	:	Chairperson, Department of Chemistry Bose Institute, 93/1, APC Road, Kolkata – 700009.
Venue of bid opening	:	Bose Institute (Main Campus) Deptt. of Chemistry 93/1, A.P.C Road, Kolkata-700009
For any query the interested bidders may contact (Dept./Section/Div./Unit)	:	Department of Chemistry, Bose Institute 93/1, APC Road, Kolkata – 700 009 Ph : 033 2303 1153

General Terms & Conditions:

Warranty	:	2 years
Payment terms	:	Payment after successful installation.
Delivery schedule	:	2-3 weeks after receiving the official order
Bid security (earnest money deposit), if applicable	:	Nil
Submission of Performance Bank Guarantee (PBG), if applicable	:	N.A.
Any other information (if applicable)	:	NA

Name of the Instrument and submission of tender should be mentioned on the envelope positively.

Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.

Registrar