

BOSE INSTITUTE
KOLKATA

Tender No.	:	BI/TND/BIC-ZG-RGYI/13-14/03
Tender date	:	27/12/2013
Type of Tender	:	Limited

Tender Title	:	CLASS II A2 TYPE BIOLOGICAL SAFETY CABINET, 4 Ft.
Specification	:	<p>Durable grade stainless steel work surface will never rust, ship or generate particles. Standard work surface is single-piece work tray.</p> <p>Work surface construction: 1.2 mmt/0.06"/16 gauge stainless steel grade 304 with 4B finish.</p> <p>Side walls construction : 1.2 mm(0.05") 18 guage stainless steel, type 304</p> <p>Front transparent sliding sash window which is protected from UV, Acid, starch etc.</p> <p>Main Body Construction : 1.5mmt / 0.06"/ 16 gauge electro-galvanized steel with white oven-baked epoxy powder coated finish</p> <p>External surfaces should be coated with antimicrobial coating to protect against surface contamination and inhibit bacterial growth.</p> <p>EN 12469 type tested exceeds requirements for Class II Microbiological Safety Cabinets Air cleanliness : ISO 14664.1 Class 3, IEST –G-CC1001, IEST-G-CC1002 and other equivalent air cleanliness requirements</p> <p>Standard Compliance :Filter performance : IEST-RP-CC034.1, IEST-RP-CC007.1, IEST RPCC007.1, IEST-RP-CC001.3 and EN1822,</p> <p>Electrical safety : IEC 61010-1 /EN 61010-1 / UL 3101-1 USA, CAN/CSA C22.2 No.61010-1</p> <p>Cleanliness within working area : ISO 14664.1 Class 3, US Federal Standard 209E Class 1 / M1.5, AS 1386 Class 1.5, JIS B9920 Class 3, BS5295 Class C, Class M 10,000 as per KS27030.1 and equivalent classes of VD12083 and AFNOR X44101</p> <p>External Dimension : 1340 x 732 x 1400 mm /52.7" x 28.8" x 55.1" [w x d x h]</p> <p>Internal Dimension : 1270 x 546 x</p>

	<p>670 mm / 50.0" x 21.4" x 26.4" [w x d x h]</p> <p>Internal work area space : 0.56 m²</p> <p>Average Airflow Velocities : Inflow initial set Point : 0.45m/s or 90 fpm (Audible/visual alarm will activate at 0.4m/s or 80 fpm) Down flow initial set Point : 0.30 m/s or 60 fpm</p> <p>Airflow Volumes at initial Airflow Velocities set-point Inflow Volumes Inflow : 356 m³/h Average Down flow (65%) : 741 m³/h Exhaust(35%) : 356 m³/h</p> <p>Downflow and Exhaust Filter Type: ULPA filter with integral metal guards and filter frame gaskets; fully compliant with EN 1822 and IEST-RPCC001,3 requirements (each cabinet has individual downflow and exhaust filters)</p> <p>Filter Efficiency Ratings Minimum: 99.999% at 0.3um/ 99.9994% at 0.12um/99.9991% at MPPS Typical: 99.9999% at 0.3um / 99.9999% at 0.12um/99.9999% at MPPS</p> <p>Noise Level < 62 dBA according to NSF49, < 59 dBA according EN 12469</p> <p>Light Intensity >1190 Lux measured at work surface level (Zero background) as per NSF49 test grid</p> <p>UV-absorbing tempered glass sides A removable rounded front armrest Built-in white 5000k Fluorescent lightening</p> <p>Drain pan Side protection holes along the side of work tray</p> <p>An ULPA-Filtered vertical laminar flow air stream</p> <p>Sentinel Microprocessor control system</p> <p>Audible and visual alarms Optimum safety features: Admin. PIN can be set to restrict access to cabinet menu function.</p> <p>Cabinet inflow and down flow velocities to be continuously displayed on LCD screen.</p> <p>Permanently lubricated direct drive centrifugal blower One piece formed stainless steel work surface with curved front edge</p> <p>3 ft UV-Lamp</p>
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		<p><u>Support base stand with caster wheels for easy movement</u> <u>Electrical Socket Outlet - 2 in number</u> American Style Universal Service Fitting valve for <u>Air/Gas/Vacuum/Nitrogen</u> - Any one</p> <p>Provide a compliance sheet (mentioning "yes" or "no" against the tech specs of the product as mentioned in the tender)</p>
Quantity	:	01

Last date & time for submission	:	13.01.2014 upto 14.00 hrs
Date & time for opening of bids	:	13.01.2014, at 15.00 hrs
Submission of Tender (Address)	:	Bioinformatics Centre, Bose Institute, Centenary Building, P-1/12, C.I.T. Scheme VII M, Kolkata 700054.
Venue of bid opening	:	Office of the Bioinformatics Centre, Bose Institute, Centenary Building, P-1/12, C.I.T. Scheme VII M, Kolkata 700054
For any query the interested bidders may contact (Dept./Section/Div./Unit)	:	Bioinformatics Centre, Bose Institute
		Phone : 033 25693329

General Terms & Conditions ::		
Warranty	:	Minimum one year for all items
Payment terms	:	Payment will be made after complete delivery of the instrument in good condition and satisfactory installation.
Delivery schedule	:	Within one month from date of order & if any defect of the supplied item is found, it should be replaced immediately from your side.
Bid security (earnest money deposit), if applicable	:	N.A.
Submission of Performance Bank Guarantee (PBG), if applicable	:	N.A
Any other information (if applicable)	:	N.A.
<i>Name of the instrument and tender no. should be mentioned on the envelope positively.</i>		
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