

<b>BOSE INSTITUTE KOLKATA</b>
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<b>Tender No.</b>	:	<b>BI/BIC/RLF/15-16/01</b>
<b>Tender Date</b>	:	<b>14/07/2015</b>
<b>Type of Tender</b>	:	<b>Limited</b>

<b>Tender Title</b>	:	<b>Bio-Safety Cabinet Class II A2 Type, 4 Ft.</b>
<b>Specifications</b>	:	<ul style="list-style-type: none"> <li>• The Bio safety cabinet should be advanced microprocessor control, which supervises operation of all cabinet functions. Temperature-compensated air velocity sensor monitors both exhaust and downflow. 24-hour clock, UV timer, UV run hour meter, and blower run hour meter are standard.</li> <li>• The Bio safety cabinet should be <b>Type A2 in which 70% Air should be re-circulated and 30% of the air should be exhausted</b></li> <li>• The Biological safety cabinet should come individually certified of any of <b>International Standard Certificates like ANSI 49, NSF, EN , ISO, JIS and UL etc</b></li> <li>• The cabinet must include <b>two DC motors</b>. The motor must automatically adjust the airflow speed without the use of a damper to ensure continuous safe working conditions, even without maintenance adjustments.</li> <li>• The cabinet should have long life Dual <b>ULPA/HEPA Filter</b> (H14 as per EN 1822 EU) for supply and exhaust with 99.99% efficiency for particle size 0.1 to 0.3 microns.</li> <li>• Should be raised <b>1 pair of armrest</b> for elevates the operators arms to prevent inflow grille blockage for safety work.</li> <li>• Work tray should be made of <b>stainless steel type</b></li> <li>• Programmable automatic <b>UV light timer</b> should simplify operation and extending UV light life and saving energy.</li> </ul>

		<ul style="list-style-type: none"> <li>• The front window should be a 10" sash opening and be made of laminated safety glass to ensure containment of potentially hazardous samples in the case of accidental glass breakage</li> <li>• The controller must include soft touch keypad controls with <b>LCD/LED display</b> of air flow velocity, audible and visual alarms for ULFA/HEPA filter failure, blower failure, airflow speed failure. The Bio Safety Cabinet must incorporate an <b>LCD/LED Indicator</b> to indicate filter loading and should provide visual and audible alarm to indicate excessive ULFA/HEPA filters loading which can result in unsafe airflows deviation from the NSF recommended inflow and down flows air velocity values measured in meters per second or foot per minute.</li> <li>• The construction of cabinet should be electrogalvanized steel including stand also.</li> <li>• Internal Dimension around 1150 x 500 x 658 mm(w x d x h)</li> <li>• Inflow velocity should be around 0.46m/s or 468 m<sup>3</sup>/h</li> <li>• Instant start fluorescent lamp intensity should be greater than 1200 lux or 120 FC</li> <li>• The sound emission of the should be less than 63 dBA</li> <li>• There should be UV protected sliding front sash which can be fully opened to insert and remove large instruments.</li> <li>• The cabinet should come with following accessories: UV lamp, electrical outlet socket and fully SS stand, receptacles, 6 ports for service valves. However 2 smart port for 3" plugged cable is optional.</li> <li>• Original literature should be provided as a proof of your specifications.</li> </ul>
<b>Quantity</b>	:	<b>One</b>
<b>Last Date &amp; Time for submission</b>	:	<b>28/07/2015 before 14:00 hrs</b>
<b>Date &amp; Time for opening of Bids</b>	:	<b>28/07/2015, at 15:00 hrs</b>

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 interested Bidders may contact (Dept./Section/Div./Unit)	:	Bioinformatics Centre, Bose Institute Phone No. 033 25693 333

<b>General Terms &amp; Conditions ::</b>		
Warranty	:	Minimum one year for all items
Payment Terms	:	Payment will be made after complete delivery of the instrument in good condition & satisfactory installation
Delivery schedule	:	Within one month from the 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
Name of the instrument & 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 without assigning any reasons. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.		

**Sr. Prof. & Incharge, Registrar's Office**