

BOSE INSTITUTE
KOLKATA

Tender No.	:	BI/Bio/SSKR/03/2013-14/R/2111/13
Tender date	:	02.08.2013
Type of Tender	:	Limited

Tender Title	:	Ultraviolet Crosslinker & Hybridization Oven
Specification	:	<p>Ultraviolet Crosslinker</p> <ol style="list-style-type: none"> 1. UV cross linker with short wave ultraviolet light (254 nm). 2. Must have both preset and manual controls for regulating ultraviolet or time exposures 3. Preset exposure should deliver ~120,000 micro joules or ≤5 minutes of exposure time 4. In order to ensure maximum energy efficiency, must have microprocessor control to monitor ultraviolet energy and control UV output 5. Must have built-in UV sensor to ensure accuracy and reliability 6. Must have large LED display and touch panel to display time and energy settings 7. Must have window on the door to allow viewing of the process; but window should be able to block out the UV radiation 8. Must have overhead UV to ensure uniform UV exposure 9. Watts: 8 watt desirable 10. Must be able to deliver at least 0.999 joules/cm² at a maximum UV energy setting 11. Footprint should not exceed 17" X 10" X 15" (W x H x D) 12. Chamber dimension should not exceed 10" X 7" X 12" (W x H x D) <p style="text-align: center;">&</p>

	<p style="text-align: center;"><u>Hybridization Oven</u></p> <ol style="list-style-type: none"> 1. Must have variable speed control between 10 to 20 RPM 2. Heating Element should be 1250 watts or better 3. Should be microprocessor-based to enable precise control of temperature 4. Operation range of temperature should be ambient +10°C to 99.9°C 5. Temperature Controller accuracy should be within 0.1°C or better 6. For ease of operation, current temperature inside chamber must be displayed on LED display 7. Must maintain a temperature stability as follows: Inside oven should be +0.5°C to 65°C, or better & inside bottles should be +0.2°C to 65°C, or better 8. Must maintain a temperature uniformity as follows: Inside oven should be +0.2°C to 65°C, or better & inside bottles should be +0.2°C to 65°C, or better 9. Bottle Capacity must be 20 numbers of 35 x 150 mm or 10 numbers of 35 x 300 mm, or different combinations of such bottles 10. Rotary must allow off-set positioning of bottles 11. Power: 230V/50Hz 12. Dimensions of interior should not exceed the following: 15" W x 12" H x 12" D 13. Dimensions of exterior should not exceed the following: 18" W x 18" H x 18" D 14. Rotary wheel must be removable so
--	--

		<p>that the machine can accommodate a rocking platform</p> <p>15. ust have a removable tray to enable cleaning of spills and must have stainless steel interior to enable easy cleaning</p> <p>16. The speed of the rotary wheel should be controllable with an external know to facilitate the removal of samples</p> <p>17. Must include the following</p> <p>a. Small bottles (<40 mm X <160 mm)</p> <p>b. Large bottles (<40 mm X <320 mm)</p> <p>c. Rocking tray to fit inside the oven</p>
Quantity	:	1 No. & 1 No.

Last date & time for submission	:	16.08.2013 within 1.00 p.m.
Date & time for opening of bids	:	16.08.2013 at 3.00 p.m.
Submission of Tender (Address)	:	Department of Biochemistry Bose Institute P-1/12, CIT Scheme VIIM, Kolkata 700054
Venue of bid opening	:	As above
For any query the interested bidders may contact (Dept./Section/Div./Unit)	:	033 2569 3238

General Terms & Conditions ::		
Warranty	:	3 years
Payment terms	:	Payment will be made after complete delivery of the instrument in good condition and satisfactorily installation.
Delivery schedule	:	Within 1 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)	:	Quotations must include a check-list stating compliance with each the above-listed specifications individually. Sufficient details of any deviation must be provided. Quotations which do not include this check list will <u>not</u> be included in the comparative statement for this tender. It is <u>mandatory</u> to include printed product brochure that has

	<p>picture of the item(s) being quoted and brochure itself should contain detailed specifications of the item(s).</p> <p>Preference will be given manufacturers who can supply both instruments in order to facilitate later maintenance and also to ensure that instruments can be stacked on top of each other to save bench space (bidders must mention if instruments are stackable).</p>
<p><i><u>Name of the instrument and submission of tender should be mentioned on the envelope positively.</u></i></p>	
<p>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.</p>	

Registrar
02.8.2013