



(N.I.T no. JBNSTS/7-2/2023-24/67 dated 22.02.2024)

JAGADIS BOSE NATIONAL SCIENCE TALENT SEARCH
1300, RAJDANGA MAIN ROAD
KOLKATA - 700107
Tel.: 2442 8270, 24417542

NOTICE INVITING TENDER

Sealed quotations are invited from reputed vendors / suppliers for supplying the following autoclave at our office at 1300, Rajdanga Main Road, Kolkata – 700 107. Details are as under

Sr. no.	Item Name	No. of Units to be purchased	Specification
1.	Autoclave	01 (One)	As per Annexure 1

Other terms and conditions:

- 1. Delivery:** Free of cost at our office at 1300, Rajdanga Main Road, Kolkata - 700107
- 2. Installation:** Free of cost by authorized technician of the company only
- 3. Delivery period:** Within 15 days of the purchase order
- 4. Payment** – Payment shall be made by a/c payee cheque only after successful installation of the machine at our office. All legal deductions shall be made before the final payment.
- Bidders are mandatory to mention the brand and model name with photograph of the autoclave clearly in the bid documents.
- Bidders are required to submit unit price inclusive of all taxes and charges like transportation, supervision, mobilization of materials / manpower etc. No extra payment shall be admissible for any reason whatsoever
- Quotations along with a copy of GSTIN regn / trade license / PAN should be submitted in a sealed envelope addressed to “The Director, Jagadis Bose National Science Talent Search, 1300, Rajdanga Main Road, Kolkata – 700107 at our office at 1300, Rajdanga Main Road, Kolkata – 700 107 at any time before the time of closing of the tender.

The last date of submitting quotations is **28.02.2024 up to 12.00 pm IST**. The quotations will be opened at **03.00 pm (IST) on 28.02.2024** at our office. Interested parties may remain present at the time of opening quotation.

For further details contact:

Asst. Director (Admin)
Phone: 033- 24417542,

Annexure 1

Technical Specification for Autoclave (One Unit)

Sl. No.	Details Specifications		
01.	Operating Temperature range	Sterilizing	105-121 °C (Optional 105 to 135 °C)
		Heating	45-104 °C
		Warming	45-95 °C
02.	Maximum Operating Pressure		15-16 PSI Gauge (Optional 30 PSI Gauge)
03.	Temperature	Display	Digital
04.	Pressure	Display	Analogue
05.	Range of Pressure Gauge		35 PSI Gauge (Optional 60 PSI Gauge)
06.	Heat Source		3500 W maximum
07.	Safety Devices	*Water Level Sensor *LID Interlock *Over temperature protection *Over Pressure Protection *Pressure Safety Valve	
08.	Time	Display	Digital
09.	Time Range		0 to 999 Mins
10.	Chamber Dimension	Dia (mm) x Depth (mm)	400 x 600
11.	Basket	Dia (mm) x Height (mm)	380 x 515
12.	Chamber Capacity	Ltrs	75
13.	Chamber type		Cylindrical and SS304 3MM sheet for better safety
14.	Type of sterilizer chamber Door	Heavy duty SS-304 and Gas spring door	
15.	Dimension	(W x D x H) mm	590 X 595 X 885
16.	Weight	Kgs	Maximum 100 kg
17.	Door Sealing	By elastomeric High temp. Red Silicon rubber gasket suitable to withstand temperature up to 180°C & Pressure up to 20-35 psi	
18.	Door	Single liver lock system and Hinged door system	
19.	Design	Attractive outer body design with dual color combination	
20.	Audio- visual Alarm facility available for notifying	Temperature sensor with range -80 °C to 400°C, unit provide a low water indication, cut off automatically when the autoclave is dry then run process will be stop and pressure will be release by steam release valves and safety valves.	
21.	Rated Voltage	230V 50Hz	
22.	Environmental Conditions	Ambient temperature 10 to 45 deg Celsius	
23.	Ambient pressure	Atmospheric	
24.	Relative Humidity	30 to 70 %	
25.	Safety Features	Low water alarm with indication (audio and visual) , temperature overshoot alarm, low water cutoff, high pressure safety and high temperature cutoff, Door open indication, High pressure lid lock.	
26.	Controller	Digital microprocessor controller with timer	
27.	Accessories	Water outlet valves, Stainless steel wire mesh baskets, Basket Tray, Nozzle	