

सीएसआईआर – उत्तर पूर्व विज्ञान एवं प्रौद्योगिकी संस्थान
CSIR – NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY
(Council of Scientific & Industrial Research)

जोरहाट: JORHAT: असम: ASSAM

NIT No. 3(POQ)/07/18 – 19/PUR/T – 07

Date: 11.05.2018.

Note: Please send your quotation in **ONLINE** as per the time schedule given in online tender notice.

To,

Prospective bidders
Through CPP Portal
<https://www.etenders.gov.in>

Dear Sirs,

Kindly arrange to send your offer **ONLINE in SINGLE BID System** quoting this office file / NIT reference on the uploaded offer within due-date and time as per the terms & conditions given in this NIT:

Sl. No.	Description of the Item	Qty.
1.	<p>Supply & Installation of Autoclave.</p> <p>Specifications:</p> <ul style="list-style-type: none">Capacity- 850L to 1000LRectangular horizontal type and front loading.Should be microprocessor based fully automatic. Should have LED/LCD display and program to indicate working status of temperature & pressure with pre-programmed cycle for liquid, solid, porous load and vacuum leak.Should be with standard water level indicator, pressure gauge and mechanical pressure relief safety valve for chamber and jacket for steam release.Should be triple walled with steam Jacket and Separate Boiler. Inner chamber should be made of SS 316 and rest of the other chamber, boiler, lid and radial arms should be made of SS 304 with exterior of epoxy resin powder coated steel and corrosion resistant. Steam jacket should be lined on the outer side with asbestos sheet or glass wool to prevent heat losses. Boiler should be made of thick stainless steel plate suitably located under the sterilizer.Sterilizers should have single door made out of rolled steel lined with stainless steel sheet on both sides and have lid with locking system with high quality nylon/Teflon gasket.Should be hydraulically tested up to 40psi to withstand 2.5 times the working pressure.Should be fitted with water gauge glass for water level, safety valve, water inlet and drain valves fitted at the side bottom for easy draining / cleaning.Timer 0-10 hr, Pressure- up to 2.0 Kg/cm² at 130° C, temperature accuracy- ± 0.5° C, sterilization temperature- 110°C - 130° C, sterilization time range- 0-9 hours.Should be operating voltage to work on 440 volts, 3 phase, 50Hz AC supplied with cord and plugs to work on mentioned operating voltage.Safety features should have:<ol style="list-style-type: none">Over-temperature protective device of chamber.With low water level cut off device.Over current.Auto- release against over pressure.Overloaded protective device of door motor.Safety valve up to 2.0kg/cm².Chamber pressure resistance should resist 60psi for safety.Emergency cut-off switch.Door should not open if the chamber is pressurized and alarms for automatic shutdown with beep reminding after sterilization and recycle of operation is completed.Should have control lockout to prevent a cycle start when the door is not closed and locked.Steam pressure lock to prevent operator from opening if pressure exists in the chamber.After reaching normal temperature, door should be opened by a single switch mode. <p>• Should be with warranty and installation.</p>	01 No.

Last Date and Time for Submission of Bids: 29.05.2018 at 11:00 AM

Date and Time of Opening of Bids: 30.05.2018 at 11:00 AM

Details available on <https://www.etenders.gov.in>

भंडार एवं क्रय अधिकारी

Stores & Purchase Officer

Tel: 91 – 0376 – 2372710, Fax: 91 – 0376 – 2372921, E-mail: spo@neist.res.in