



संत लौगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान,
लौगोवाल, संगरूर, पंजाब - १४८ १०६

(मानव संसाधन मंत्रालय के अधीन समविश्वविद्यालय)

Sant Longowal Institute of Engineering and Technology
Longowal, Dist. Sangrur, Punjab - 148106
(Deemed to be University under MHRD)

Ref. No. SLIET/PUR/25/19/ 731-734

Date: 23/10/2019

(Registered Post)

M/s _____

In-Charge Website

Sub: Notice inviting quotation for purchase of equipment under CSIR project.

This Institute intends to purchase equipment under CSIR project. Please send quotation to the undersigned in a sealed cover duly super scribed on envelop "Quotation for purchase of equipment" so as to reach latest by closing date i.e. 14.11.2019. The detailed specifications are as under:

S. No.	Detailed Specification	Qty.	EMD	Remarks
1.	Rotary Vacuum Evaporator System (Detailed technical specifications are enclosed at Annexure-A)	01	15000/-	

The Terms & Conditions for submitting quotation are as under:-

- 1) It may be noted that quotation received only through registered/speed post shall be considered. The institute is located in a remote area and it takes 5 to 7 days to reach the mail, therefore, quotation be dispatched well in time to avoid any sort of delay.
- 2) Rate of GST/IGST, if extra must be mentioned clearly along with GST number.
- 3) The other terms & conditions for submitting the quotation are given overleaf which must be read carefully before submitting the quotation.
- 4) The Price quoted must be FOR SLIET, Longowal.
- 5) Quotations received later than due date are liable to be rejected and returned as it is.
- 6) Quotation must be sent on the letter head of the party duly addresses to Deputy Registrar (Store & Purchase) along with a certificate that the firm/company is not blacklisted by any govt. organization/dept.
- 7) As per instructions if purpose of quotation is not super scribed and quotation is opened by mistake then it may be rejected.
- 8) The bid security of **Rs. 15,000/-** is required to be submitted in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks in favour of Director, SLIET, Longowal.

Hanspal Singh
Deputy Registrar
(Store & Purchase)

TERMS & CONDITIONS FOR QUOTATION

DELIVERY	The rate quoted must be free delivery/F.O.R. Longowal after allowing the discount, if any. Where quoted extra ad-valorem rate payable should clearly be indicated. Supply should be made within the specified delivery period.
TERMS OF PAYMENT	Our normal term of payment is within 45 days after receipt of stores in good condition by means of cheque/draft/RTGS.
PERFORMANCE SECURITY	Performance Security @ 5% of order value in the shape of DD, FDR or BG valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations, as per GFR-2017 rules, is also required.
Concessional GST	The Institute is registered with the department of Scientific & Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Govt. notification No. 51/96-customs dated 23.07.1996 and central excise duty exemption in terms of Govt. notification No. 10/97-central excise dated 01.03.1997 and 45/2017 & 47/2017 dated 14/11/2017 regarding GST as amended from time to time. The relevant exemption certificate will be issued to the successful bidder only if the excise duty/customs duty/GST are exclusively mentioned in the commercial bid of e-Tender/NIQ. NO ADVANCE PAYMENT WILL BE MADE.
EXEMPTIONS	Excise and customs duties are exempted to the institute. The relevant exemption certificate will be issued to the successful bidder only if the excise duty/custom duty is exclusively mentioned in the Quotation. In case the offered items are to be imported, the rates should be quoted in foreign currency on FOB basis. Basic duty as applicable under notification No. 51/96 customs dated 23.07.1996 as applicable shall be borne by the institute. If the price quoted is in foreign currency then payment shall be made through letter of credit against submission of B.G. of Min. 25% value of supply order, if the order value is more than US\$ 10,000 or through Telegraphic Transfer (TT) if the order value is less than US\$ 10,000 through Nationalized banks. The bank charges outside India should be borne by the Beneficiary. Clearance at customs will be arranged by us but you will assist our clearance agent. In case of indigenous item the price must be quoted in Indian Rupees and 100% payment will be made only after successful installation, testing and commissioning of equipment.
DIRECTOR'S RIGHTS	Director, SLIET, reserves the rights of acceptance or rejection of any or all quotations. The discretion for increasing or decreasing of the quantities also rests with him. SLIET also does not bind itself to accept the lowest price. In case of any dispute, the decision of Director SLIET will be final & binding.
VALIDITY OF QUOTATIONS	Quotations must remain valid for period of at least 03 months.
SAMPLE/BRAND/MAKE/WEIGHT	Sample, where asked for, will invariably be made available and sent along with the quotations. However, Brand/Make/Weight etc. must be mentioned clearly in the quotations. Technical literature/pamphlet should also be enclosed.
REJECTION	Quotation not confirming to the set procedure as above will be rejected. Conditional, telegraphic quotation shall be rejected out rightly.
DISCOUNT/REBATES	A special discount/rebate wherever admissible keeping in view that the supply is being made for education purpose in respect of Public Institution of national importance may please be indicated.
GENERAL TERMS	SLIET shall not be held responsible for any postal delay in sending or late receipt of quotation. Quotation should be free from corrections & erasures. Other terms & Conditions will be applicable as per GFR-2017.

**Deputy Registrar
(Store & Purchase)**

TECHNICAL SPECIFICATION FOR ROTARY VACUUM EVAPORATOR

Rotary Evaporator

Rotation Speed up to 280 RPM, Vertical condenser with Condenser surface area of 1400 cm² or more, Should have integrated control panel with digital LCD display in front of main machine to control and adjust rotation and heating temperature. The control panel should be in accordance with IP 42 to protect electronics control panel from water splash and the optional extension cable to allow placing the control panel outside closed laboratory hoods, Convenient Automatic Lift model should also have facility to automatically lift evaporating flask during power off. There should standby button to stops all functions and residual heat warning indicator of heating bath temperatures when above 50°C.

There should be two separate knobs with dynamic control for setting the rotation speed and heating bath temperature: fast turning for large jumps, slow turning for precise setting of the set values. The Separate knobs should be with intuitive LED ring light system not only allow visual process control, but also direct intervention in the evaporation process at any time.

The accidental changing of the values should able to be prevented by the lock function & the locking function of the knobs prevents unintentional adjustment of the values. There should be ground-free condenser design with grease-free threaded connections. There should be highly resistant and particularly durable PTFE vacuum seals that can achieve maximum tightness and reduce expenses for spare parts in the long run. The universal heating bath temperature should be 20-210 °C or wider range starting from 20 °C, Bath Temperature Accuracy ± 1 °C. Heating bath should accommodate all flasks up to 5litre flask as a standard and allows for 200 mm horizontal extension without tilting and without any cost of retrofitting.

The heating bath should have safety handle and drain spout available. The heating bath should have cut-off at 5 °C over set temperature and Secondary over temperature cut-off of 250 °C. It should have Stand with clamp to support condenser as a standard supply. It should have Integrated clamp to hold evaporating flask. There should be FDA-compliant materials for all active and passive media-contacting components permit a broader range of application and research at the highest level

The vapour tube should be with sleeve to add more strength and easily removable from the drive. To prevent short circuits and corrosion, the cable coupling should comply with the protection class IP 67. The media-contacting plastic parts such as the screw connection for mounting the condenser and the clamping sleeve on the vapour tube should be made of highly resistant PPS to ensure a long lifespan

Vacuum pump with digital vacuum controller

Vacuum pump should be Chemical resistant Two-stage PTFE Diaphragm pump. All components that come in contact with media should made from chemically resistant . The Vacuum can be controlled through valves, Should have Suction capacity should be .75 m³/h or more, Should have Ultimate vacuum should be 12 mbar or better, Vacuum pump should be valve controlled vacuum pump for use of other applications also, vacuum controller should have Manual Vent button to prevent bumping, Should have options of Graphs in order to display the entire vacuum process, Should have RS232 interface Multilingual menu navigation , Vacuum controller complete set should have integrated ceramic vacuum sensor, regulation valve and venting valve. With wall-plug power supply, ready for use, Should have Upper measuring limit 1080/810 mbar/torr, Should have Lower measuring limit 0.1/0.1 mbar/torr, Should have Measurement principle Ceramic diaphragm (alumina), capacitive, gas indep., absolute pressure, Should have Accuracy of measurement $< \pm 1$ mbar/hPa/torr / ± 1 digit (after adjustment, constant temp.), Should have Protection class DIN EN 60529 - Residue pump IP 42

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Chiller Specifications

Temperature Range -10 to 100 °C, Temperature accuracy of ± 0.2 K, Cooling capacity at +20 °C; 800 W, Chamber volume 4.5 L, Pump Flux 8L/min, Cooling capacity at 0 °C; 560 W

Note: The price of Chiller & Vacuum pump should be quoted separately

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