भारत सरकार
GOVERNMENT OF INDIA
केंद्रीय अनुसंधान संस्थान/CENTRAL RESEARCH INSTITUTE
कसौली/KASAULI

पत्राचार का पता / Correspondence Address:
डाकघर कसौली / P.O. KASAULI
जिला सोलन (हि0प्र0) /DISTT. SOLAN(H.P.)
पिनकोड/PIN CODE:173204
Tel.No.:01792-273207, 272995
e-mail : director-crik-hp@gov.in
Website:*crikasauli.nic.in*

संख्या/No.: Stores/App/Pre-bid/LC/24-25.

दिनांक :..... 27 FEB 2025

सेवा में/To,

List of address of the firms

Sub: Regarding Pre-bid meeting for the procurement of Liquid Chromatography System.

Sir,

This institute is interested in the purchase of a complete unit of Liquid Chromatography System (01 No.) on an immediate basis. The said equipment is critical & sophisticated, hence, **a pre-bid meeting** has been fixed during 2nd week of March **on 11.03.2025 at 11:00AM** in the office of Chairman, TAC of the Institute.

You are therefore requested to depute your authorized representative to have detailed deliberations for finalization of the specifications etc. TAC approved specifications is being attached for ready reference.

Yours Faithfully,

Stores Officer
for Director

Encl: A/9

Phone No. :01792-272995,273207
Email- crikasaulistore@gmail.com

Approved specifications of Liquid Chromatography system for Antisera Division

Sr.No	Parameters	Specifications
1.	Process description: The hyper immune plasma from equine is subjected to pepsin digestion followed by two step ammonium sulphate precipitation and dialysis. The partially purified antibodies (Anti rabies Serum, Anti Diphtheria Serum, Anti snake venom serum and anti covid-19 serum) will be used for purification on column chromatography	
2.	Process optimization	Vendor should provide optimized operating protocol for purification of Anti rabies Serum, Anti Diphtheria Serum, Anti snake venom serum and anti covid-19 serum. Vendor should also required to execute the initial three batches of each productsuccessfully on installed chromatographic system at CRI.
3.	Technology Transfer	The firm should transfer the optimised technology for the final product meeting all the quality aspects as per IP-2022.
4.	Yield of the product	The firm should able to provide ≥ 90% of the each product yield at purification stage.
5.	Non disclosure agreement	The firm should sign non disclosure agreement before initiation of optimisation
6.	Resin type	Should provide adequate resin (chromatography media/matrix) as optimised by the vendor for 04 specific products.
7.	Resin quantity	• Quantity should be sufficient to purify 12-18 litres- each product per batch • The quantity should be provided two times • Resin Validation cycles: Min 70 or better • The vendor should provide each resin suffice to run 200 batches of Antisera products.
8.	Sample protein conc. (gm %)	8 - 15gm %
9.	Tube material	• Inner side: Pharmaceutical grade Glass material borosilicate glass (inert) • Outer side: cast acrylic or better
10.	Wetted material	Electrolytic polished stainless steel316L and FDA CFR21 part177 certificated plastic PP,EPDM and MOC for each part should be provided
11.	Sample volume to be loaded on column	Batch size of 12 – 18 L with 8 – 15 gm % protein should be processed in single run as per vendor optimized protocol
12.	Flow rate	Minimum 20 ml/min to maximum 1000 ml/min or better
13.	Pressure	5 bar or better
14.	Scale down option	Should be enabled with scale up and scale down option
15.	Detection	UV or Better technology
16.	Detection at	280 nm in UV or as per better technology
17.	pH detection	0-14
18.	Sample injection	Automated/Semi automated closed system should be provided
19.	Sample pump	• Quadra flow, Quaternary diaphragm or better pump should be provided • MOC: SS316, SS304, PP, EPDM, PEEKor equivalent MOC for each part should be provided
20.	Connector size	1 inch or better
21.	Pressure Sensor	High accuracy for protecting column and system.
22.	pH and Conductivity Temperature	• Should provide online calibration facility for pH and conductivity • Temperature sensor should also be provided.
23.	Collection system for Fraction of Interest	• Should provide with option for both manual and automatic system • Should able to separate protein of interest with pre defined

		programme system
24.	Mixer	Should be provided with gradient mixer system if required as per vendors optimised protocol
25.	Automated Control	Touch screen with PLC should be provided Vendor should provide separate set of PC Computer and printer system or better technology
26.	Modular design	Should be provided
27.	Column Dimensions (D x H)	Column Diameter: 15± 5cm Column Height: 50± 5 cm
28.	No. Of column	02
29.	Solvent compatibility	Should be compatible with all commonly used chromatographic solvents
30.	Operating temperature	4-40 °C or better
31.	Warranty & CMC	Warranty: 03 Years CMC: 5 years (Price should be quoted separately) after expiry of the warranty period
32.	**The said equipment is critical & sophisticated. Even After multiple bids since 2021, the institute is not able to get enough vendors and complete the procurement. Hence it is recommended to have a pre bid meeting.**	
33.	Documentation	I. Should provide SAT,DQ,IQ and OQ documents and Should execute PQ as per optimized protocol. II. Should provide MOC certificate. III. Should provide calibration certificate for all installed measuring/recording devices. IV. Should provide validation certificate for number of runs for each resins. V. Should provide GMP compliant chromatography system