



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

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दिनांक :

संख्या/No.: Stores/App/Pre-bid/TFF/25-26.

सेवा में/To,

Nodal Officer, Website Committee, CRI, Kasauli

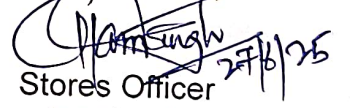
Sub: Regarding Pre-bid meeting for the procurement of Cross Flow System (Dialysis Machine).

Sir,

This institute is interested in the purchase of a complete unit of Cross Flow System (Dialysis Machine) (01 No.) on an immediate basis. The said equipment is critical & sophisticated, hence, **a pre-bid meeting** has been fixed during 3rd week of July **on 16.07.2025 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

Phone No. : 01792-272995, 273207

Email- crikasaulistore@gmail.com

कसौली/Kasauli-173204

End: Hk'

TAC approved Specifications of Cross Flow System for Anti Sera Division

Sl.No.	System	Technical Requirements
1.	Holder	a) Maximum Effective Filtration Area – 7 m² b) Self Draining ; Self-Venting c) Manual Clamping with Torque Wrench
2.	Recirculation Pump	a) Rotary Lobe Pump with Flow rate of minimum 4m³/hour at 4 Bar b) Speed control through VFD c) Peristaltic pump for buffer addition
3.	Piping	a) MOC - 316L (1.4404) , Roughness average - 0.6 – 0.8 µm Ra, Electro polished b) ASME Standard c) O-Rings ; Gaskets – EPDM
4.	Feed Line	a) With Dry Run Protection Switch b) Diaphragm Pressure Sensor (1- 6 Bar) c) Inlet End Connection d) Holder Isolation Valve
5.	Retentate Line	a) Pressure Measurement - 1 to 6 bar b) End Connection c) Drain Valve & pressure control valve both with EPDM Diaphragm d) Integrity test port TC
6.	Permeate Line	a) Pressure Measurement - 1 to 6 bar b) End Connection - 50.5 OD TC c) Holder Isolation valve with EPDM Diaphragm d) Drain Valve with EPDM Diaphragm e) Electromagnetic Flow meter, pH& Conductivity sensor
7.	Control	a) Control system with Dry run Protection & high pressure cut off b) Data Recording with paperless recorder c) Emergency Stop Switch d) TMP Control e) PLC/SCADA control f) Flow meter (Magnetic inductive)
8.	Trolley	Holder, Pump, Control System mounted on single trolley MOC-SS304
9.	Feed tank	a) Pressure sensor b) Safety relief valve c) Sterilizing grade hydrophobic vent filter d) Nozzles e) Temperature sensor f) Sanitizing 360 rotary spray ball g) Capacity approx 100L h) Level switches
10.	Power Supply	220V ±5%, 50 Hz. and 415V ±5%, 50 Hz. available at site
11.	Warranty	a) 02 years or more
12.	CMC	a) 05 years AMC after expiration of warranty period: The successful firm must enter into AMC for the period of five years after completion of warranty period. The AMC must include i) Q2 preventive maintenance visits (ii) any breakdown visits and replacement of faulty major components if any within 72 hours (iii) annual calibration of all the recording devices.
13.	Documentation	a) cGMP standard system documentation b) CFR-21 compliance c) IQ, OQ and PQ qualification documents must be provided at the time of installation d) MOC certificates e) Calibration Certificate for the recording devices f) Validation cycle certificate must be provided
14.	Dully filled and signed technical compliance sheet needs to be submitted.	

Pre bid meeting:- a pre bid meeting will be held before final tender.