



अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
साकेत नगर भोपाल (मध्यप्रदेश) - 462020
Saket Nagar, Bhopal (M.P.) - 462020
web site: www.aiimsbhopal.edu.in

AIIMS, BHOPAL
CENTRAL STORES DEPARTMENT
Dispatch No. 1495
Date 15/2/23

Stores/AIIMS/BPL/Pediatric - PAC /GeM Portal /2022-23/ 1995

Dated: 15/2/2023

Subject: Purchase of FRESenius MEDICAL CARE Haemodialysis machine with SLED and HDF Polystyrene 15 inch, Model : 5008, Make: Fresenius Medical Care Germany, Equipment on Proprietary basis through GeM Portal-Inviting comments thereon.

The request received from **Department of Pediatric**, AIIMS Bhopal, for the purchase of captioned item from (OEM) M/s Fresenius Medical AG & Co. KGaA, 61346 Bad Homburg, Germany, and through its authorized Distributor/Agent M/s Fresenius Medical Care India Pvt. Ltd., India on Proprietary basis.

The Notice is being uploaded for general information of Aspirant Manufacturer/Dealer/Distributor to submit their objections/proposal, if any, on proprietorship of these items.

In case, the product of any Manufacturer/Authorized distributor/dealer conforms to the enclosed specifications, they may submit their proposal for the supply same Equipment/Item along with the following:-

- Details of the required product brochure.
- Point-by-point compliance of the enclosed specifications, along with all relevant documentary evidence;

The objection/ proposal should be sent in sealed cover to the I/c Senior Procurement cum Stores Officer, Central Stores, Service Building, First Floor, AIIMS- Bhopal, Saket Nagar, Bhopal (462020) so as to reach on or before 22/02/2023 up to 17:00 Hrs., failing which it will be presumed that no any other vendor is interested to offer comments/protest and case will be decided accordingly on its merit.

The reference No.: Stores/AIIMS/BPL/Pediatric - PAC /GeM /2022-23/1995, dated: 15/02/2023, due on 22/02/2023 should be super scribed on sealed envelope.

Yours faithfully


I/c Senior Procurement cum Stores Officer, Central stores
Sr. Procurement cum Store Officer
For and on Behalf of Director AIIMS Bhopal
Central Stores Department
AIIMS, Saket Nagar, Bhopal (M.P.)

- Encl: 1. Authorization Certificate
2. PAC Certificate
3. Schedule of requirement
4. Technical Specifications

Schedule of requirement

S.No.	OEM	Description	Qty (No.)
01	M/s Fresenius Medical AG & Co. KGaA, 61346 Bad Homburg, Germany	FRESENIUS MEDICAL CARE Haemodialysis machine with SLED and HDF Polystyrene 15 inch, Model : 5008, Make: Fresenius Medical Care Germany.	01

**** Note: Please don't quote the prices of the above schedule requirement ****

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Technical Specifications

Hemodialysis machine with SLED

(A) Hemodialysis machine

S. no.	Tender specifications
I.	Should have facility for acetate and bicarbonate dialysis with facility of online preparation of dialysate concentrate
II	Can be linked with patient data management system and should be upgradable to future software developments
III	Blood pump should be adaptable to standard AV lines and run even in absence of some of dialysate flow
I	Should be suitable for conventional and high flux hemodialysis (HDF), sustained ultrafiltration (postdialysis) and SLED with latest microprocessor controlled technology
II	Volume passively controlled ultrafiltration
III	Machine should have facility for online preparation and substitution of replacement fluid at 25-600 ml/minute in 1ml/minute increment for HDF. Both options of pre-dilution and post-dilution of blood should be available. Should have at least two bacterial filters for the preparation of substitute substitution fluid
IV	Automatic on-line monitoring and control of blood volume (BYM) that regulates ultrafiltration volume without increasing the risk of intradialytic hypotension
V	Facility for blood temperature control during dialysis
VI	Automatic diagnosis of malfunctioning with on line ability to show the fault with screen (Technical service Model)
VII	Machine can be connected to computer to feed all data and possible chart services any problem
VIII	Machine should have in built space for holding bicarbonate concentrate with facility of online preparation of dialysate and replacement fluid.
IX	Battery backup for at least 20-30 minutes to support all functions of dialysis machine in case of power failure
X	Should have facility for Sodium, bicarbonate and ultrafiltration profiling
XI	Should have facility to show trends curve of all parameters for 20-30 minutes
XII	Dialysate temperature selectable between 35-39°C
XIII	Variable conductivity setting between 12.5-17 mS/cm
XIV	Dialysate flow should be from 100-800 ml/minute
XV	Ultrafiltration rate of 0.1 to 2.5 L/hour. The in and out fluid circuit must be separated so that there is no chance of contamination in case of membrane rupture
XVI	Machine should have TFT screen with touch control facility. Screen should display: arterial pressure, venous pressure, blood flow rate, dialysate conductivity, TMP, UF volume, UF rate, remaining treatment time and heparin infusion rate

XXVII	All important treatment data should be present so that machines can be used anytime without loading data every time.
XXVIII	Should have automatic self test facility
XIX	Should have auto ON/OFF facility
XX	Heparin pump with syringe sizes up to 10-20 ml or more with pump flow rate of 1-10 ml/hour (in 0.1 ml increments)
XXI	Blood pump rate from 20-500 ml/minute adaptable to all standard available AV blood lines
XXII	Should have in built NIBP monitoring system to record pulse rate and blood pressure along with BP cuffs in two different sizes, 9x18 cm and 12x22 cm (2 each for each hemisphere of machine)
XXIII	Treatment parameters should be displayed both graphically and digitally
XXIV	Should have integrated heat and chemical disinfection mechanism with auto OFF facility
XXV	Andrevisional alarms on limit violation of conductivity, air leak (ultrasonic detector), blood leak (photoelectric detection system) for blood loss as low as 0.5 ml/minute with hemistat of 20-25%, transmembrane alarm, can empty alarm, end of disinfection alarm, reverse ultrafiltration and blood pump stop alarm
XXVI	Facility for online clearance monitor (OCM) for urea and Kt/V to assess adequacy of dialysis. Should display real time serum Na, Kt/V and time required to achieve desired Kt/V
C	
I	All consumables needed for installation and sterilization of machine to be provided.
II	In addition following consumables should be provided at the time of installation- one extra pair of bacterial filters, 50 high flux dialyzers along with 50 pediatric tubing, 100 disposable bicarbonate powder bags, 100 cans of part A solution.
D	
I	The unit shall be capable of being stored and capable of operating continuously in without temperature of 0-50° C and relative humidity of 20-80%.
E	
I	Power input to be 220-240 V AC 50 Hrz (fitted with Indian plug)
II	UPS of suitable rating and standards (Europe CE certified) with voltage regulation for 30 minutes back up.
F	
I	Should be US FDA or European CE certified
II	Shall comply with IEC 60601-2-16 safety requirements of medical electric part 2- particular requirement for safety of hemodialysis instruments
III	Should train staff and technician till all staffs get familiar with the instrument

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IV	Should have local service facility with registered office in India. The service provider should have necessary equipments recommended by the manufacturer to carry out preventive maintenance services (PMS) as per guidelines in the dialysis machine manual
G	
I	A hard copy of User manual in English to be supplied
II	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist
III	List of equipments available for providing calibration and routine preventive maintenance support
IV	Bidder should submit user satisfactory report for the equipment for last five years from at least two reputed institutions from government (central, state)
V	Letter of accreditation from the manufacturer of the machine stating that the machine to be supplied is new, the model is being manufactured as on tender date and the spare parts will be available for the next 10 years from the date of delivery and service will be maintained even if the distributor or dealer changes.
VI	Cost of all consumables required by machine should be provided

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