HSCC/Medical Equipment/SJH Date: 22th Sept . 2017

AMENDMENT-XXIII

Ref.: IFB No. HSCC/SJH/Medical Equipment/2016/29

Sub.: Procurement of Medical Equipment for New Emergency Block & Super- Specialty Block at Safderjung Hospital, New Delhi.

Regarding and Item No. 3 Amendment has been received from Safdarjung Hospital for Haemodialysis Machine with SLED (1no.) with Portable R.O. Plant and Item No. 2B, RO Plant For Hemodilysis Machine one of the Prospective Bidders has requested vide maild dated 22 Sep.2017 for extension for one week It is therefore to extended the bid submission date from 22.09.2017 to 29.09.2017 for both items.

Item No. 3 Amended Specfication

Hemodialysis Machine with SLED with Portable R.O. Unit for Haemodialysis Machine

Technical specifications

Capable of providing conventional hemodialysis, SLED, haemofiltration and online haemodiafiltrtation
Facility for Acetate, Bicarbonate, dry powder & Sequential dialysis (Isolated UF)
Option for both Pre-dilution & post-dilution of blood should be available
HDF Substitution fluid be produced online with a delivery rate of wide range (20-500 ml/mt)
Should have appropriate filters for preparation of ultra-pure dialysate, with endotoxin retention capacity of at least 10^6 IU
Built in NIBP
Na and Ultra filtration profiling
Audio visual alarms :
Conductivity and automatic bypass
Air detection and automatic clamp
Temperature and automatic bypass
Water and dialysate flow alarm
Arterial and venous pressure alarms
Optical/photo blood leak detector and ultrasonic air detector
Wide range dialysate temperatures selectivity (34 to 39 deg. C)
Variable conductivity setting (13 to 15.7 mS/cm)
Wide dialysate flow rates options (100-1000 ml/mt with increments of 100 ml/mt)
Wide range blood pump flow option (30-600 ml/mt with increment of 10 ml)
Facility to show treatment parameter trends every 15-20 minutes digitally as well as by graph
Heparin pump with variable syringe size with wide infusion rate (in 0.1 ml/hr increments)
Wide ultra filtration range (0.1 to 3.5 kg/h) with volumetric control
Integrated heat and chemical disinfection facility
Online measurement of effective urea clearance (kt/V)
All important data be pre-settled so that machine can be used without feeding data every time
Automatic self test facility
High resolution color touch screen with functional keys

Existing As :Appropriate Operating voltage for Indian conditions, with battery backup of at least 30 mins.

Amended as : Appropriate Operating voltage for Indian conditions, with battery backup of at least 15 mins.

Undertaking from the company/dealer that the price of proprietary AV tubings required for the machine

will be frozen for 5 years.

Accessories

COMPULSORY accessories, which are must for smooth and safe running of machine must be quoted along with machine including Data Processing computer and printer if required.

Environmental factors and power supply

Shall meet General Requirements of Safety for Electromagnetic Compatibility.
The machine shall be capable of being stored continuously in wide range of temperature (0-50 deg C) and relative humidity (15-90%)
Capable of operating in wide ambient temperature (20-30 deg C) and wide relative humidity
Power input : 220-240V/ 50 Hz AC Single phase or Three phase fitted with appropriate Indian plugs and sockets.
Suitable Servo controlled Stabilizer/CVT/UPS should be supplied, if required

Standard, safety, demonstration, training, warranty and maintenance

Electrical safety conforms to standards for electrical safety
Should be FDA/European-CE/IVD certified.

The bidders must quote for *FIVE years* Comprehensive Warranty for complete equipment (Including all spares and labour)
Undertaking by the Principals that the spares for the equipment shall be available for at least 10 years from the date of supply of equipment.
Company should be in market for at least five years
Machine should have been supplied in atleast 3 major government institutions
Machine demonstration has to be done in the Safdarjung Hospital, New Delhi. Time and date of demonstration will be as per department decision.
Training of the hospital staff if required should be done by the manufactures.
All spare parts (Electronic, Mechanical, plastic etc) required as such or due to wear and tear should be included in warranty period and in Comprehensive AMC period. Also all parts/components provided locally should also have to be maintained by company.
Sole responsibility of warranty and CMC will be of the parent company.
Elective visit once a week day as decided by the department.
Preventive machine maintenance regularly as per machine requirement in Safdarjung Hospital, Delhi.
Response time for acknowledgment of complaint 30 minutes.
Response time for physical presence within one working day Uptime 355 days in a year

Documentations

ORIGINAL user and service manual in English to be provided
Certificate of calibration and inspection to be provided, if required
Attach ORIGINAL manufacturer's product catalogue and specification sheet
Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point , if not substantiated with authenticated catalogue/manual, will not be considered.
A complete list of the institution, where machine has been supplied along with the name, designation, mobile and office contact details of the person handling the machine should be provided
Machines details and brochure should also be available on company website
List of important spare parts and accessories with their part number and cost should be provided
List of Equipment available for providing calibration and routine Preventive Maintenance
Support, as per manufacturer documentation in service/technical manual should be provided.
Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist should be provided.
The job description of the hospital technician and company service engineer for maintenance of machine should be clearly spelt out.
If some component/part of machine or its accessories are to be provided by Indian counterpart/agent that should be very clearly defined in the bid and its cost should be clearly separated out.

Portable reverse osmosis (RO) water treatment plant for dialysisDescription of Function

Hemodialysis Machine with SLED and Portable REVERSE Osmosis (RO) System.
Following are the specification of Online Water Treatment Unit (WTU).
Should be compact design on wheels for easy movement.
Should be able to produce 200 Liter/Hour of permeate.
The system must be Microprocessor based.
In build Capabilities to show on display for Permeate (Supply in liter/min, Temperature) & for Raw Water (Consumption in Liters/min & Pressure)
Should have build in dual column softener with fully automated brine, fill and clean cycles, also have a brine tank incorporated in the system.

6Should have build in cartridge type Charcoal Filter.
Should have fully automatic disinfection system in place.
Should have build in cartridge filter of 10 Micron and 5 Micron.
Should have programmable fully automated Rinse cycle for membranes wash.
There should be a provision of OFF line mode and ONLINE mode of Permeate Supply, In case permeate supply is to be used to run dialysis machines directly without collecting permeate tank it should be possible.
There should be a water saving system in place which adjusts the output to the number of machines use and control yield accordingly.
Should not have noise level more than 65 dB
Should deliver the water quality as per AAMI standard.
Yield setting should be between 50 to 70 %.
Should have EC certification attached with tender document.
Should come with Five years warranty.

Amendment to be issued will be uploaded on websites www.tenderwizard.com/HSCC & www.hsccltd.com.

Medical Superintendent
VMMC & Safdarjung Hospital