



**REQUEST FOR QUOTATION:
RENAL MACHINES.**

1.0 INTRODUCTION

The Mater Misericordiae hospital seeks for qualified bidders to;

1. Supply and install One Haemodialysis Water plant with capacity of Fifteen (15) hemodialysis machines at renal section.
2. Supply and install One Haemodialysis Water plant with capacity of Five (5) hemodialysis machines at ICU section.
3. Placement proposal of twelve (12) haemodialysis machines.-This proposal should include ten (10) dialysis chairs and with list and costs of consumables with.

NOTICES

Kindly take note of the following:

I. Submission of Bids

- Bidders are expected to submit two separate bids:
 - Technical bid – one original copy
 - Financial bid – one original copy

II. Prices Quoted should be net inclusive of all taxes. Delivery costs, must be in Kenya Shillings and shall remain valid for 90 days from closing date of Tender.

- Completed RFQ documents are to be enclosed in plain sealed envelopes, marked and clearly Labeled with the instructions “Do not open before **Friday, 21stFebruary, 2020 at 1600 hours** (East Africa Time). The bids will be dropped in the tender box on 3rd floor (Do not email your bids).The bids will be:

Addressed to

**THE CHIEF EXECUTIVE OFFICER
THE MATER HOSPITAL
P. O. BOX 30325 - 00100,
NAIROBI**

- Dropped at the **Tender Box located at the reception of the Administration Block, 3rd Floor**

- III.** For any clarifications or enquiries you are requested kindly contacts Procurement Department on :
0732163203 or 0732163024 or 0732163201

2.0 MANDATORY REQUIREMENTS

- a) Original tender receipt of Kshs. 2,000
- b) Copy of a company or firm’s registration certificate.
- c) Certificate of Incorporation.
- d) Copy of a valid tax compliance certificate
- e) Business questionnaire duly completed, signed and stamped.
- f) Manufacturer’s authorization Certificate for the Haemodialysis Water plant and Haemodialysis Dialysis machines.

3.0 TECHNICAL REQUIREMENTS

The tabled technical requirements will form basis of evaluation criteria and awarding of marks.

| No. | Technical Requirements | Score |
|-------------|--|-------|
| I. | Machine Information/Specifications. Catalogues, drawings and brochures containing technical data sheet as provided in the technical specification section for the equipment to be used. | |
| II. | Experience: Your brief company profile should list down at least 3 reputable organizations that you have supplied with the Haemodialysis Water plant and Hemodialysis machines in the last three years. Reference checks will be conducted. Attach Evidence of supply (Recommendation letters/Certificates). | |
| III. | Educational and other Qualifications for Technical Staff Provide CVs and experience of at least 3 technical staff proposed to support the Hospital in event of award. | |
| IV. | After Sale Service- Your company profile should also provide details of : <ul style="list-style-type: none"> a) Delivery period of the machines b) Warranty period of the machines. c) Customer service and maintenance. <ul style="list-style-type: none"> I. List of spare parts with prices of the machines. II. Compatibility and relevance of spare parts listed III. Draft of comprehensive maintenance contract for water plant and placement contract for the dialysis machines and chairs with terms and conditions. Reference checks will be conducted. | |
| V. | Provide copies of the Audited Accounts for the last two years. | |

**4.0 TECHNICAL SPECIFICATIONS FOR THE HAEMODIALYSIS WATER PLANT
FOR RENAL SECTION WITH CAPACITY OF 15 DIALYSIS MACHINES.**

| No. | Description | Comments |
|-----|---|----------|
| 1. | Should have Capacity: 15 dialysis Machines | |
| 2. | <p><u>Pre-treatment requirements</u> The machine should have the following:</p> <ul style="list-style-type: none"> ▪ Water booster pump ▪ Sand filter ▪ Charcoal filter ▪ Water softener ▪ Sediment pre-filter ▪ Reverse Osmosis unit | |
| 3. | <p><u>Reverse Osmosis Unit</u></p> <ul style="list-style-type: none"> ▪ The RO unit should be able to supply at least 15 Dialysis machines. ▪ Power Requirements should be Single phase 100-240V ac 50HZ alternatively three phase 380/ 415V ac 50Hz. ▪ Should have Status display for the RO unit parameters, normal & error status. ▪ Should have Membrane material: medical polyamide ▪ Should have Permeate supply to dialysis machine points and loop back to Ro unit. ▪ Should have Permeate output: 500 to 3000L/h ▪ Should have a Rejection rate: >99% for bacteria and antitoxins >99% for dissolved salts ▪ Should have Concentrate supply to drain ▪ Should have Disinfection function. ▪ Should have Approval: CE. | |

**5.0 TECHNICAL SPECIFICATIONS FOR THE HAEMODIALYSIS WATER PLANT –
ICU SECTION WITH CAPACITY OF 5 DIALYSIS MACHINES.**

| No. | Description | Comments |
|-----|--|----------|
| 1. | Should have Capacity: 5 dialysis Machines | |
| 2. | <p><u>Pre-treatment requirements</u> The machine should have the following:</p> <ul style="list-style-type: none"> ▪ Water booster pump ▪ Sand filter ▪ Charcoal filter ▪ Water softener ▪ Sediment pre-filter ▪ Reverse Osmosis unit | |
| 3. | <p><u>Reverse Osmosis Unit</u></p> <ul style="list-style-type: none"> ▪ The RO unit should be able to supply at least 10 Dialysis machines. ▪ The Power Requirements should be: 100-240V ac 50HZ. ▪ Should have Status display for the RO unit parameters, normal & error status. ▪ Should have Membrane material: medical polyamide. ▪ Should have Permeate supply to dialysis machine points and loop back to Ro unit. ▪ Should have Permeate output: 500 to 1000L/h. ▪ Should have Rejection rate: >99% for bacteria and antitoxins >99% for dissolved salts ▪ Should have Concentrate supply to drain. ▪ Should have Disinfection function. ▪ Approval: CE ▪ Should have Approval: CE. | |

6.0 TECHNICAL SPECIFICATIONS FOR THE HAEMODIALYSIS MACHINES

| No. | Description | Comments |
|-----|---|----------|
| 1. | Power requirements should be: 100-240V ac 50Hz single phase | |
| 2. | Should have a Power back up: Rechargeable battery up to 15 - 30 minutes | |
| 3. | Should have a Water Supply pressure of 1.5 to 6.0 bar | |
| 4. | Should have a Water inlet temperature of 6 to 30 degrees | |
| 5. | Should have a User Interface which is a Touch screen | |
| 6. | Should have a Display Monitor for Real time monitoring of dialysis treatment parameters | |
| 7. | <u>Arterial pressure monitoring</u> Should have: <ul style="list-style-type: none"> ▪ Display range: -300mmhg to + 500mmHg ▪ Accuracy: ± 10mmHg | |
| 8. | <u>Venous pressure monitoring</u> Should have: <ul style="list-style-type: none"> ▪ Display pressure range: -60mmHg to +520mmHg ▪ Accuracy: ± 10mmHg | |
| 9. | <u>Transmembrane pressure [TMP] monitoring</u> Should have a Display Range of 60mmHg to +520mmHg | |
| 10. | <u>Arterial blood Pump</u> should have the following: <ul style="list-style-type: none"> ▪ Blood flow range: 15 to 700ml/min ▪ Accuracy: ± 10mmHg ▪ Air Bubble detector with venous clamp ▪ Auxillary equipment: | |
| 12. | <u>Integrated Heparin pump :</u> Should have: <ul style="list-style-type: none"> ▪ Flow rate: 0-10ml/h, ▪ Bolus function | |
| 13. | <u>BPM monitor</u> | |

| | | |
|-------------------|---|--|
| | <p>The monitor should have following:</p> <ul style="list-style-type: none"> ▪ Display parameters : Systolic, diastolic & MAP pressures. ▪ Systolic: 30mmHg to 280mmHg ▪ Diastolic : 10mmHg to 240mmHg ▪ MAP: 20mmhg to 255mmHg ▪ Pulse: 20to 245 bpm | |
| <p>14.</p> | <p><u>Dialysis Fluid Circuit</u></p> <ul style="list-style-type: none"> ▪ Should have Dialysis fluid flow rate Selectable: 0-300-500-700ml/min ▪ Should have Dialysis fluid temperature Selectable: 35°c to 39°c ▪ Should have a Dialysis fluid conductivity Range; 12.8 to 15.7 mScm Accuracy: ±0.1mScm ▪ Should have Dialysis fluid acid component of: Bicarbonate range Na+ 130 to 150mmol/l <p>Profiling - Na+,HCO3,UF</p> <p>Bicarbonate dry concentrate: bibag</p> | |
| <p>15.</p> | <p><u>Ultrafiltration</u> To have the following:</p> <ul style="list-style-type: none"> ▪ UF rate: 0 t 4000ml/h in steps of 1ml ▪ UF Volume: Adjustable 0 to 10L ▪ Pump volume accuracy ±1% ▪ Parameter displayed: UF goal, UF time UF rate UF Volume ▪ Adjustable infusion pole | |
| <p>16.</p> | <p><u>Disinfection and cleaning programs</u></p> | |

| | | |
|------------|---|--|
| | Should have automatic disinfection programs for both hot rinsing and chemical disinfection | |
| 17. | <p><u>Safety:</u> The machine to have following:</p> <ul style="list-style-type: none"> ▪ Automatic pre-use check ▪ Automatic disinfection programs ▪ Blood leakage detection ▪ Alarm function visual/audio ▪ Electrical safety: Classification according to IEC60601-2-16 for Hemodialysis machines ▪ FDA/CE approval | |

NOTE:

Kindly note that the 10 chairs and the 12 haemodialysis machines will be on placement. The placement proposal shared should be inclusive as well as list and costs of consumables.

7.0 TECHNICAL SPECIFICATIONS FOR THE HAEMODIALYSIS CHAIRS.

NB: The chairs will be part of the placement package.

| No. | Description | Comments |
|-----|--|----------|
| 1. | Should have a Power requirements of 100-240V ac 50Hz | |
| 2. | Should have a Seated weight capacity: 100Kg | |
| 3. | <u>Construction</u> Should have following: <ul style="list-style-type: none">▪ Mobile with brakes▪ Made of material easy to sanitize▪ A medical chair upholstery cover of superior antibacterial quality for ease of cleaning & disinfection▪ Adjustable arm rests with strap | |
| 4. | <u>Operation</u> <ul style="list-style-type: none">▪ Should be Programmed selectable positions for Height, Tilt, Back rest, Footrest & CPR.▪ Should have Remote switch for the patient self-operation of the preprogrammed positions. | |

NOTE:

Kindly note that the 10 chairs and the 12 haemodialysis machines will be on placement. The placement proposal shared should be inclusive as well as list and costs of consumables.

5.0 FINANCIAL PROPOSAL

- **PRICE SCHEDULE FOR SUPPLY, INSTALLATION AND MAINTENANCE OF THE HAEMODIALYSIS WATER PLANT.**
- **PLACEMENT PROPOSAL FOR 12 HAEMODIALYSIS MACHINES AND 10 DIALYSIS CHAIRS AS PER ABOVE SHARED SPECS WHICH INCLUDES CONSUMABLE COSTS.**

| No. | Description | Total KSHS (VAT INCLUSIVE) |
|------------|---|-----------------------------------|
| 1. | Supply, installation and maintenance of Haemodialysis Water Plant machine. | |
| 2. | Placement proposal for 12 dialysis machines and 10dialysis chairs which details out prices of consumables. | |
| 3. | Price Schedule for the maintenance of Water pant machine | |
| 4. | Payment Schedule | |
| 5. | Warranty Period | |
| 6. | Training period | |
| 7. | Any other costs | |

Confidential Business Questionnaire

You are requested to give the particular indicated in Part 1 and either Part 2(a), 2(b), or 2(c)

PART 1. Whichever applies to your type of business?

You are advised that it is a serious offence to give false information on this Form.

Part _____ General:

Business Name

Location of business premises

Plot No. Street/Road

Postal Address Tel. No.

Fax Email

Nature of business

Registration Certificate No.

Maximum value of business which you can handle at any one time

Kshs.

Name of your bankers Branch

PART 2(a) – Sole Proprietor:

Your name in full, Age

Nationality Country of origin

Citizenship details.....

PART 2(B) – Partnership

Give details of partners as follows

| Name | Nationality | Citizenship Details | Shares |
|------|-------------|---------------------|--------|
|------|-------------|---------------------|--------|

1.
2.
3.
4.
5.

PART 2(C) – Registered Company:

Private or public

State the nominal and issued capital of the company –

Nominal Kshs..

Issued Kshs.....

Give details of all directors as follows

| | Name | Nationality | Citizenship Details | Shares |
|----|-------|-------------|---------------------|--------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |

Date.....

Signature of Tenderer
 (Authorized Signatory)

Stamp