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AYUB TEACHING HOSPITAL  
DEPARTMENT OF NEPHROLOGY

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Subject: Specifications for Dialysis Machine and Dialysis Chairs

In response to the letter ATH/EME/956-58-2023 dated 11-04-2023, dialysis machines and chairs with following fundamental specifications are required for up gradation of the Dialysis Unit, ATH. We also need mandatory backup servicing and maintenance facility (including weekly preventive maintenance) for minimum 5 years (warranty) guaranteed by the company interested.

Dialysis Machine Specifications:

1. LCD touchscreen display
2. Monitoring window, Full ultrafiltration display
3. Digital and Graphical Monitoring
4. Online dialysis dose/ clearance monitoring
5. BP monitoring
6. Dialysis fluid filter to generate ultra pure dialysis fluid
7. Single needle or double needle system with single pump
8. Isolated ultrafiltration program
9. Ultrafiltration and sodium profiling
10. Volumetrically controlled ultrafiltration
11. Central concentrate delivery system
12. Arterial pressure monitoring
13. Venous pressure monitoring
14. Transmembrane pressure monitoring
15. High or low Pressure alarm systems
16. Arterial blood pump flow range (15-600ml/min)
17. Air bubble detector (ultrasonic/optical)
18. Blood leak detector ( $\leq 0.5$  ml blood/min at 800ml/min flow)
19. Heparin pump with bolus function
20. Dialysate flow (0-800ml/min)
21. Adapted flow option
22. Temperature range (35-39C)
23. Adjustable mixing ratio for acid component
24. Adjustable bicarbonate component (-8 to +8 mmol/L)
25. Dry bicarbonate concentrate
26. UF rate: 0 to 4 litres

REF: \_\_\_\_\_

Date: \_\_\_\_\_

**MEDICAL & TECHNICAL ITEMS (Electro Medical Equipment etc.)**

Mandatory Documents	Status on ATL	Bids without Mandatory documents shall not be considered for evaluation
	Income Tax Registration	
	Sales Tax Registration	
	Last Year income Tax Returns	
	Last Year Sales Returns	
	Last 03 years Bank Statement & audit reports by external auditor	
	Registration with respective Govt. Department	
	Authorized dealer of the original manufacturer	
	Certificate that 2% CDR is attached with financial bid	
	Affidavit on stamp paper duly attested regarding black listing and other conditions as per provided specimen in the bid document	
	Warranty with parts as per bid document	
	100% compliance with purchaser's specifications	

EVALUATION CRITERIA

S/No	Parameters	Detail/Supporting Documents	Maximum Marks	Remarks
1	Running Cost of quoted item  (Economical= 20, medium= 15, Costly= 7, Very costly= 0	List with cost of consumable items of quoted item	<b>20</b> Concerned Engineer and End User will calculate this cost	Running cost=  (Actual Cost= )
		List with cost of replaceable accessories of quoted item		
		Charges NOT covered under warranty		
		Expected numbers/duration of services/test/procedures with brand new accessories		
2	Product Sample (Evaluated by End User)	Additional Special Feature (s) NOT mentioned by the purchaser: up to 10 Marks	<b>10</b>	
3	Physical resources	Established office within 200 Km from purchaser: 2	<b>2</b>	Details with supporting documents must be attached.
		Established office beyond 200 Km from purchaser: 1		
		List of tools, testing equipment and calibration equipment relevant to the product	<b>1</b>	
		Details of spare parts available for quoted items	<b>1</b>	
		Detailed Training Plan with resource persons	<b>1</b>	
4	Technical Staff	Qualified Technician	<b>1</b>	Short CV with Original Signature of Head HR showing Name, Designation, Education and Experience with the current organization
		Diploma Engineer	<b>1</b>	
		Graduate Engineers (For High Tech/Critical Equipment)	<b>2</b>	
		MSc/PhD Qualification/Foreign Training	<b>1</b>	
5	Market Experience in quoted items	02 Mark per year. Maximum 10 marks	<b>10</b>	Reputed Govt / Pvt organizations
6	International Certifications	Registration with US Food and Drug Administration (FDA)	<b>3</b>	
		Registration with European Community (CE)	<b>3</b>	
		Registration with Japan Industrial Standard (JIS)	<b>3</b>	
7	Manufacturer International performance certificate	02 marks per certificate, total 06 marks	<b>6</b>	

8	Manufacturers local performance certificate of quoted equipment by HOD of relevant field of reputed hospital of at least 50 beds. The certificate should NOT be older than THREE years	Performance Certificate from the user mentioning "Excellent, very Good & Good Performance". Maximum marks 10. (Maximum 2 certificates) Excellent= 5, Very Good= 3 & Good=2	<b>10</b>	Performance Certificates mentioning "Satisfactory" will get ZERO marks
9	Warranty	01 years beyond asked warranty with parts: 2 02 years beyond asked warranty with parts:6 03 years beyond asked warranty with parts: 10	<b>10</b>	
10	Post-warranty Maintenance Services including provision of spare parts	Post-warranty Maintenance Contract offering percentage (%) of the contract value in the Technical Bid. The lowest will get the Full Marks. The rates MUST come from the Original Manufacturer	<b>05</b>	
<b>TOTAL MARKS</b>			<b>90</b>	

**In Technical Evaluation 70% (63/90) marks will be passing marks**

**50% weightage would be given to technical evaluation marks and 50% weightage would be for financial.**

$\text{Financial Marks} = \frac{\text{Lowest Bidder}}{\text{Bid under consideration}} \times 100 \times 0.5$
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