## ADDENDUM TO TENDER INVITATION NO KDU/PRO/CAP/154/2022 PURCHASE OF HEMODIALYSIS MACHINES FOR DIALYSIS UNIT AT UHKDU

- 1. It is here by informed that the tender will be opening on 06<sup>th</sup> September 2023 due to update of the specifications discussed during the pre-bid meeting, and the specifications are attached as annex 'A' to this addendum.
- 2. Forwarded for your information and necessary action please.

## (HD) TECHNICAL SPECIFICATION FOR SUPPLY OF HAEMODIALYSIS MACHINES 02 NOS

## **Tehnical Specifications:**

Description: Technical specifications of supply, installation, commission, training and maintenance of 3D mapping system with accessories

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	Purchaser's Requirement			Bidde	Bidder's Offer <sup>1</sup>	
Srl No	Purchaser's Requirement	Priority	Conformity	J	Proof 4	Remarks
OVITIO	i di chasel 3 Nedani ement	2	Yes	No		IVCIII 41 PS
01	The unit shall operate on 230±10%,50 Hz power supply and there shall have in built battery for					
	back up for emergency power failure for at least 15 minutes.Power cable should be with 13A	С				
	replaceable fuse with square 3 pin plug top.					
02	The unit shall have ability to perform Acetate & Bicarbonate Dialysis & Isolated Ultafiltraion,					
	a. Bicarbonate shall be supplied in the mean of liquid and powder cartridages	С				
03	Machine shall be able to perform HD (Haemodialysis)	С				
04	The unit shall be capable for profiling of Sodium & Ultra filtration and capable of Adjusting	`				
	bicarbonate levels and Sodium levels.	r				
05	The unit shall have capability of performing both standard and single needle techniques.		`			
06	It shall have a facility to perform HD for LOW WEIGHT & LOW VOLUME PATIENTS (If low	נ				
	blood volume Blood line/consumables are available mention in the offer)	(				
	a. It shall have accurate ultra filtration principal shall be volumetric system	С				
07	Facilities for both Chemical & Thermal (at least 80°C - 90°C) disinfection methods shall be				:	
	available.					
08	Blood pump shall have adaptable pumping rate of 20-500ml /min of standard AV blood line	С				
09	It shall have the ability to adjust blood pump segment & pump Rotor as per the segment (2mm-				·····	
	10mm)	(				
10	The ultra filtration rate shall be 0-4000ml/Hr & UF volume up to 10L/Hr	С				
11	It shall consist of built in syringe type Heparin pump with minimum two syringe	С				
12	Heparin Delivery rate shall be adjustable up to 10ml/hr	С				
13	Concentrate pump raw material must be indicated	\$** *			À	
<u>1</u> 4	Dialysate fluid shall be of the Temperature range 32°C - 37°C	a	<b>3</b>	3		general general general

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Overseas Technical Training: Bidders shall quote for an overseas training programme of not less than 7 days on an all inclusive basis for 01 Biomedical engineer/Technician (Technical training). Training programme should be arranged on an identical system in a training centre at OEM premises within 06 months after QCI arranged on an identical system in a training centre at OEM premises within 06 months after QCI	A user list of current installations in S11 Lauxa and a second	All the consumable items price need to be more and overseas shall be provided	separately	Bidder shall specify availability or or disinfection. If these are optional they should quote disinfection facility during disinfection. If these are optional they should quote dislocate and probe disinfection facility during disinfection.	registration certificate for the model offered should be attached with the letter to prepare ultrapure	GENERAL REQUIREMENTS FOR THE MACHINE GENERAL REQUIREMENTS FOR THE MACHINE  GENERAL REPORT FOR THE MACHINE  GENERAL REPOR	system.HL7 format	HIS connectivity must be provided with	with the quotations for evaluations.  with the quotations for evaluations.	It should have AV blood lines. If it is machine specific inc.		It shall have the ability to include provide the unit	Clear display of flow pain 101 01000,07 F	It shall have facilities for quanty comes, dialyser and ultra filtration shall be available	of operation 6 smallty control tool to measure KT/V at end of treatment.	Treatment parameters shall be displayed vii iii	Automated self-testing & rinsing facilities shall be available interface by the machine at the time	stop untill user confirm.	Rhood detect sensor should be available in blood income.	alarm, end of disinfection alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, bypass alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau be available alarm, blood pump stop alarm etc. Snau blood pump stop alarm etc. Snau blood pump stop alarm etc. Snau blood pump stop alarm, blood pump stop alarm, blood pump stop alarm, blood pump stop alarm etc. Snau blood pump stop alarm, blood pump stop alarm, blood pump stop alarm etc. S	All standard safety features like audio vices.	It shall have dialysate flow rates 300 to 700ml/min  It shall have dialysate flow rates 300 to 700ml/min  Output  Diagrams on limit violation of Conductivity, blood	
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to be indicated separately but include in the war cost.	viii. If the equipment supplied needs any special type of power supply (eg. UPS) cost of such nems	vii. Spares/ replacable items/ consumables required for the system must be guaranteed for supply vii. Spares/ replacable items/ consumables required for the system must be guaranteed for supply vii. Spares/ replacable items/ consumables required for the system must be guaranteed for supply vii. Spares/ replacable items/ over a period of 10 years from the date of installation should be made available.	c. 6th to 10 year: Comprehensive maintenance vi. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and	b. 3rd to 5th year: Labour only contract	along with the main offer)  a 1st & 2nd year: Warranty period	period of validity  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract  v. A Labour-only service contract  v. A Labour-only service contract  v. A Labour-only service Maintenance Contract  v. A Labour-only service contract  v. A Labo	iii. A list of reference sites of the same model at early insurance sites of reference sites of the same model at early insuranty for a period of not less iv. All sub items described in this schedule should be covered by a warranty for a period of not less than <b>24 calender months</b> from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories and turnkey work. Such a warranty shold also include servicing and at least 4 preventive maintenance per year during the	ii. Tender shall provide manufacturer's authorization letter for sale from the same manufacturer.	Warranty, Services Agreements and Documentation  Warranty, Services Agreements and Documentation  Tetter of charantee that after sale services is available should be provided from the local agent.	Original technical literature describing the equipment offered shall be provided with the outer	Supplier shall have trained technical staff and necessary testing equipment such as conductivity meter, recommended by the manufacturer to carry out preventive/corrective maintenance as per outdelines provided in the service/maintenance manual	User Training:  Comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical comprehensive training	
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	viii.If the equipment supplied needs any special type of power supply (eg.UPS) cost of such items to be indicated separately but include in the total cost.	vii. Spares/ replacable items/ consumables required for the system must be guaranteed for supply over a period of 10 years from the date of installation. The price list for such items over a period of 10 years from the date of installation should be made available.	vi. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and	b. 3rd to 5th year: Labour only contract  c. 6th to 10 year: Comprehensive maintenance	a. 1st & 2nd year: Warranty period	along with the main offer)	as per schedule given below after 02 year warranty period. Further those prices should be quoted in	v. A Labour-only service contract for a 03 year period and Comprehensive Maintenance Contract	period of validity	for any defect in manufacturing process, workmanship and all accessories and turnkey work. Such a warranty shold also include servicing and at least 4 preventive maintenance per year during the	than 24 calender months from the date of successful commissioning of the equipment including	iv. All sub items described in this schedule should be covered by a warranty for a period of not less	iii. A list of reference sites of the same model already installed should be attached	ii Tender shall provide manufacturer's authorization letter for sale from the same manufacturer.	warranty, services Agreements and pocumentation.  I often of migrantee that after sale services is available should be provided from the local agent.		guidelines provided in the service maniforment affered shall be provided with the offer	meter, recommended by the manufacturer to carry out preventive conference manufacturer as por	Supplier shall have trained technical staff and necessary testing equipment such as conductivity	Comprehensive training of at least 2 weeks shall be provided to the uses at each site Nurse/Medical	User Training:	
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similar units installed in Sri Lanka and overseas as well as evidence of the reliability of after-sales  $|\mathrm{x.~Prospective}$  suppliers must provide documentary evidence of their previous experience with ix. A sample unit must be available for demonstration and performance evaluation at the request of services provided. the TEC xii. Training should be provided to end users in respect of operation, handling and maintenance of xi. The successful bidder shall also install and commision the equipment at University equipment supplied Hospital,KDU  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ 

Make & Model

xiii.NMRA/CDDA Certificate must be available

Country of Manufacturer:

Relevant catalogues & technical information attached.

Information given under "Bidder's Offer" is true and correct.

Bidder's Name:

Signature:

Date:

- 1. Bidder shall fill in Col.4,5 & 6
- 2. Purchaser will mark C for critical requirments
- 3. If the bidder has marked no for confomity, bidder shall provide information in this column of his offer against the clause concerned in Col.2 (Purchaser's requirments). If the bidder has marked Yes, Bidder has the option of providing additional information to established that it conforms to the
- page number in the original user/service manual mentioning the specification 4. Bidder shall include proof to support the conformity of the specification e.g.document and the specification given