

REQUIREMENT SPECIFICATIONS

TENDER NO. 20201001

TENDER FOR THE SUPPLY AND DELIVERY OF HIGH FLUX DIALYSER FOR HAEMODIALYSIS TREATMENT TO NKF

1. Introduction

- 1.1 The National Kidney Foundation (“**NKF**”) wishes to appoint a contractor (the “**Contractor**”) for the supply and delivery of High Flux Dialyser for Haemodialysis Treatment to NKF, as described in these Requirement Specifications (the “**Goods**”), to its thirty-nine (39) dialysis centres in Singapore.

2. Product Specification

- 2.1 The Goods must be registered with Health Science Authority and shall conform to the detail specification in **Annex A**.

3. Quantity requirements and delivery schedule

- 3.1 The Contractor shall supply the Goods over a period of **twenty-four (24) months, from May 2021 to April 2023**, subject to such extensions of the period of appointment by NKF in accordance with the Conditions of Contract.
- 3.2 NKF estimates consumption for the Goods over a period of twenty-four (24) months is set out in below:

Item Description	Estimated Quantity for 2 years period
High flux dialyser with effective surface area (m ²) range: 1.3 - 1.4 m ²	53,930 units
High flux dialyser with effective surface area (m ²) range: 1.5 - 1.6 m ²	512,360 units
High flux dialyser with effective surface area (m ²) range: 1.7 - 1.8m ²	531,050 units
High flux dialyser with effective surface area (m ²) range: > 1.9 m ²	40,450 units

- 3.3 The Goods shall be delivered bi-monthly to such of NKF’s dialysis centres as NKF shall stipulate from time to time. Please refer to **Annex B1-B2** for the detail listing of NKF’s Dialysis Centres (as at date of this tender). For the avoidance of doubt, NKF reserves the right at any time to increase or decrease the number of and to vary and /or change the location of any or all of the listed Dialysis Centres.

Avoid delivery from: 1300hours to 1400hours

4. Submission of tender bids

- 4.1 Each Tenderer should provide the price quote in the Price Schedule.
- 4.2 All quotations submitted by the Tenderer must indicate the prices applicable for the estimated numbers of Goods specified in paragraph 3.2 above.

- 4.3 The Tenderer, at the point of submission of its tender bids, is required to supply at its own costs at least two (2) nos of samples for each sample stipulated in its tender bids. The NKF shall be at liberty to call for further submission of such samples as required until the samples submitted are in accordance with the requirements of the Tender. Samples after approval shall indicate the standards to be maintained for the duration of the Contract.
- 4.4 Each tenderer is required to indicate the following information for the proposed products in the Price Schedule:
 - 4.4.1 The minimum delivery lead time based on 1 month's quantity
 - 4.4.2 Country of manufacturer
 - 4.4.3 Location of storage, including alternative site

General Specification for High Flux Dialyzer					
Description of function					
Dialyzer equipped with a semi permeable membrane and used for performing dialysis. During dialysis therapy Dialyzer acts as an artificial Kidney.					
S.N.	General Specification :				Comply to Specification (Yes / No)
	Parameter	Specification			
1	Membrane material	Synthetic Membrane - Polysulfone (PS) / PolyEthersulfone (PES) / Polynephron / Polyamide blend / Ethylenevinylalcohol (EVAL) / Polyacrylonitrile (PAN) / Polyester polymer alloy(PEPA) / Polymethylmethacrylate (PMMA)			
2	Treatment Mode	Haemodialysis treatment			
3	Clearance (ml/ min): with Qd500 & Qb:	200	300	400	Typical Clinical Data
	Urea	165 -199	202-287	222 - 354	
	Creatinine	140 - 198	215 -277	242 - 329	
	Phosphate	138 - 191	208 - 260	234 - 294	
	Vitamin B12	80 - 164	134 - 215	156 - 215	
4	Sterilization	Steam / Gamma			
Dimensional Specification :					
5	Effective Surface Area (m²) Range	0.7 to 2.4			Range for high flux dialyzers
6	Effective Length (mm)	165-280			Typical Clinical Data
7	UF-coefficient (ml/h.mmHg)	20 to 77			
8	Blood Priming Volume (ml)	40 - 165			
9	Maximum Pressure (mmHg)	500 - 600			
10	Sieving Coefficient	Inulin	0.99 - 1.0		
		β2 microglobulin	0.63 - 0.8		
		albumin	<0.01		
11	Packaging Packaging must be able to open easily with lot number and expiry date printed clearly.				
12	Certification a) Is HSA registration required? Yes / No b) Has the product been registered? Yes / No / Pending c) If yes, the registration no. is _____ d) The HSA classification is Class A / B / C / D Vendor shall provide the following documents to support the certification of the product: e) Product licence with Health Science Authority f) Manufacturing licence with Health Science Authority g) Quality Certificate of Product h) Any other relevant certification or clinical papers necessary for the product				

LIST OF NKF DIALYSIS CENTRES

Hong Leong-NKF Dialysis Centre 102 Aljunied Cre, #01-265, S (380102) Tel: 6743 3572 / Fax: 6743 0817 ALJ	Tay Choon Hye-NKF Dialysis Centre 81 Kim Keat Rd, S (328836) Tel: 6506 2291 / Fax: 6254 9947 KKT
Western Digital-NKF Dialysis Centre 633 Ang Mo Kio Ave 6, #01-5155, S (560633) Tel: 6459 0113 / Fax: 6552 1697 AM2	Tampines Chinese Temple-NKF Dialysis Centre 180 Pasir Ris St 11, #01-06, S (510180) Tel: 6583 9500 / Fax: 6583 0779 PSR
Pei Hwa Foundation-NKF Dialysis Centre 565 Ang Mo Kio Ave 3, #01-3401, S (560565) Tel: 6552 6569 / Fax: 6552 6539 AM3	IFPAS-NKF Dialysis Centre 201 Serangoon Central, #01-30, S (550201) Tel: 6285 4113 / Fax: 6284 2553 SRG
Singapore Pools-NKF Dialysis Center 27 New Upper Changi Rd #01-694 S (462027) Tel: 6444 4278 / Fax: 6444 4978 BED	Kwan Im Tong Hood Cho Temple-NKF Dialysis Centre 101 Simei St 1, #01-892, S (520101) Tel: 6785 9882 / Fax: 6786 6268 SMI
NTUC Income-NKF Dialysis Center 103 Bt Batok Central #01-237 S (650103) Tel: 6569 2370 / Fax: 6569 7359 BBK	Sakyadhita-NKF Dialysis Centre 19 Upper Boon Keng Road, #01-1220, S(380019) Tel: 6743 1278 / Fax: 6743 1237 UBK
Woh Hup National Kidney Foundation Dialysis Centre Blk 1 Ghim Moh Road, #01-358, S (270001) Tel: 6467 9200 / Fax: 6467 9231 GMH	National Trades Union Congress (NTUC) Singapore Pools NKF Dialysis Centre 935 Tampines St 91, #01-333, S (520935) Tel: 6789 8534 / Fax: 6784 5244 TM1
New Creation Church-NKF Dialysis Centre 274 Bangkit Rd, #01-54, S (670274) Tel: 6764 6400 / Fax: 6764 2004 BPJ	Leong Hwa Chan Si Temple-NKF Dialysis Centre 113 Teck Whye Lane, #01-666, S (680113) Tel: 6769 0178 / Fax: 6769 9231 TWY
NKF Clementi Dialysis Centre 326 Clementi Ave 5, #01-175, S (120326) Tel: 6775 0668 / Fax: 6775 0891 CLE	SIA-NKF DIALYSIS CENTRE 225 Toa Payoh Lor 8 #01-54 S (310225) Tel: 62542 066 / Fax: 6251 9484 TPH
Sheng Hong Temple-NKF Dialysis Centre 744 Jurong West St 73, #01-19, S (640744) Tel: 6794 1061 / Fax: 6794 1071 JW1	Thong Teck Sian Tong Lian Sin Sia-NKF Dialysis Centre 825 Woodlands St 81, #01-30, S (730825) Tel: 6365 1810 / Fax: 6365 4179 WD1
Singapore Buddhist Welfare Services-National Kidney Foundation Dialysis Center 114 Hougang Ave 1, #01-1298, S (530114) Tel: 6382 6332 / Fax: 6383 0203 HG1	SCAL -NKF Dialysis Centre (Woodlands Branch) 365 Woodlands Ave 5, #01-490, S (730365) Tel: 6362 4905 / 6362 3956 / Fax: 6362 5849 WD2
NKF Hougang-Punggol Dialysis Centre 628, Hougang Ave 8, #01-108, S(530628) Tel: 6284 1877 / Fax: 6284 0867 HG2	Toa Payoh Seu Teck Sean Tong National Kidney Foundation Dialysis Centre 203 Yishun St 21, #01-239 S (760203) Tel: 6759 4002 / Fax: 6759 4003 YS1
Wong Sui Ha Edha NKF Dialysis Centre 271, Tampines St 21, #01-99 S (520271) Tel: 6789 9878 / 6789 6965 / Fax: 6789 7336 TM2	Le Champ - NKF Dialysis Centre (Yishun Branch) 639 Yishun Street 61, #01-168, S(760639) Tel: 6257 1860 / Fax: 6257 1650 YS2

Annex B2

NKF Dialysis Centre supported by The Sirivadhanabhakdi Foundation Blk 940 Jurong West Street 91, #01-441, S(640940) Tel: 6316 6246 / Fax: 6316 6194 JW2	Kwan Im Thong Hood Cho Temple-NKF Dialysis Centre (Kolam Ayer Branch) Blk 43 Bendemeer Road #01-1018, S(330043) Tel: 6291 3946 / Fax: 6291 3969 KLA
The Singapore Buddhist Lodge-NKF Dialysis Centre Blk 128 Bukit Merah View #01-22, S(150128) Tel: 6878 0552 / Fax: 6878 0021 BM2	Le Champ - NKF Dialysis Centre (Bukit Panjang Branch) Blk 275 Bangkit Road #01-96, S(670275) Tel: 6891 2782 / Fax: 6891 2592 BP2
SCAL - NKF Dialysis Centre (Yishun Branch) Blk 840 Yishun St 81 #01-382, S(760840) Tel: 6481 3006 / Fax: 64813076 YS3	The Hour Glass NKF Dialysis Centre (Admiralty Branch) Blk 761 Woodlands Ave 6 #01-108, S(730761) Tel: 6362 2153 / Fax: 6362 2360 ADT
Queenstown Dialysis Centre Blk 55 Strathmore Avenue #01-145 S(140055) Tel: 6778 0330 / Fax: 6777 6155 QT1	The Hour Glass NKF Dialysis Centre (West Coast Branch) Blk 701 West Coast Road #01-323, S(120701) Tel: 6560 1184 / Fax: 6560 1076 WCR
NKF Integrated Renal Centre supported by The Sirivadhanabhakdi Foundation 500 Corporation Road, Level 1 S(649808) Tel: 6359 3610 / Fax : 6251 4174 CP1	Jo & Gerry Essery NKF Dialysis Centre Blk 204 Marsiling Drive #01-188 S(730204) Tel: 6368 0291 / Fax: 6368 0266 MSD
NKF Integrated Renal Centre supported by The Sirivadhanabhakdi Foundation 500 Corporation Road, Level 2 S(649808) Tel: 6359 3620 / Fax : 6251 4174 CP2	Foo Hai – NKF Dialysis Centre Blk 311 Ubi Ave 1 #01-383 S(400311) Tel: 6747 8864 / Fax: 6747 8823 URD
Jurong East Dialysis Centre supported by Yuhua Grassroots Organisations Block 240C Jurong East Ave 1 #01-01 S(603240) Tel: 6970 1847/ Fax : 6970 1849 JE1	Ngiam Kia Hum & Family -NKF Dialysis Centre Blk 681 Punggol Drive #02-02 S(820681) Tel: 6506 2291 / Fax : 6243 7022 PNG
Seng Hock Choon - NKF Dialysis Centre 200, Toa Payoh Lorong 2, #03-01, S(319642) Tel: 6970 4190 / Fax : 6970 4195 TP2	
New Dialysis Centres	
YCH Dialysis Centre Yishun Community Hospital 2 Yishun Central 2 (Estimated date of operation in 2020)	

Accepted By:

Authorised Signature: _____

Signatory's name : _____ Signatory's title : _____

Tenderer's name : _____ Tenderer's stamp : _____