

REQUIREMENT SPECIFICATIONS

REQUEST FOR PROPOSAL FOR SUPPLY AND DELIVERY OF HIGH FLUX DIALYSER FOR HAEMODIALYSIS TREATMENT

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 as described in these Requirement Specifications (the “**Goods**”), to all its dialysis centres in Singapore.

2. Product Specification

- 2.1 The Goods 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 1 May 2024 to 30 April 2026**, with option to extend for another twenty four (24) months till **30 April 2028** subject to such extensions of the period of appointment by NKF in accordance with the Conditions of Contract.
- 3.2 NKF's estimated consumption for the Goods over a period of twenty four (24) months is set out as below:

S/No.	Item Description	Estimated Quantity for 24 months
1	High flux dialyser with effective surface area (m ²) range: 1.3 - 1.4 m ²	64,000
2	High flux dialyser with effective surface area (m ²) range: 1.5 - 1.6 m ²	493,000
3	High flux dialyser with effective surface area (m ²) range: 1.7 - 1.8m ²	749,000
4	High flux dialyser with effective surface area (m ²) range: > 1.9 m ²	239,000
5	High flux dialyser with effective surface area (m ²) range: > 2.1 m ²	90,000

- 3.3 The Goods shall be delivered monthly to such of NKF's dialysis centres as NKF shall stipulate from time to time. Please refer to **Annex B** for the detail list of NKF's Dialysis Centres (as at date of this RFP). 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

Authorised Signature: _____ Vendor's stamp : _____

4. Submission of RFP bids

- 4.1 Each Vendor should provide the price quote in the Price Schedule.
- 4.2 All quotations submitted by the Vendor must indicate the prices applicable for the estimated numbers of Goods specified in paragraph 3.2 above.
- 4.3 The Vendor, at the point of submission of its RFP bids, is required to supply at its own costs the required samples as provided in point 5 for each offered product stipulated in its RFP 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 RFP. Samples after approval shall indicate the standards to be maintained for the duration of the Contract.
- 4.4 Each vendor is required to indicate the following information for the proposed products in the Price Schedule:
- 4.4.1 The minimum delivery lead time
 - 4.4.2 Country of manufacturer
 - 4.4.3 Location of storage, including alternative site

5. Submission of samples

- 5.1 Each vendor shall submit **5 pieces** of samples for each of the item in the full range of products set out in the proposal requirement in respect of which they are quoting, free-of charge and non-returnable, to the Company at the following address:

National Kidney Foundation

81 Kim Keat Road,
Singapore 328836
Attention: Ms Jeslyn Ng
Department: Purchasing

- 5.2 Each set of samples must be labelled individually with the following information:
- RFP Number
 - Item S/N (as per price schedule S/No)
 - Company Name
 - Product Code Number
- 5.3 The samples are to be submitted **within four (4) weeks from the Request For Proposal opening date**, or such extended time period as the Company may agree to in writing upon request by the Company, **after the submission of the Request For Proposal**. The vendor may be rejected if samples are not submitted on time.
- 5.4 If more sample are required, as may be requested by NKF from time to time, on the terms and conditions set out in the Request For Proposal.

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Annex A

REQUIREMENT SPECIFICATIONS

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				Remarks
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			

Authorised Signature: _____

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11	Packaging Requirement : <ul style="list-style-type: none"> • Packaging must be able to open easily • Packaging must have clear indication of the batch number or lot number, manufacturing date & expiry date. 	
12	Certification Requirement : <p>a) Is HSA registration required? Yes / No</p> <p>b) Has the product been registered? Yes / No / Pending / Not Applicable</p> <p>c) If yes, the registration no. is:- range: 1.3 - 1.4 m² _____ range: 1.5 - 1.6 m² _____ range: 1.7 - 1.8m² _____ range: > 1.9 m² _____ range: > 2.1 m² _____</p> <p>d) The HSA classification is : range: 1.3 - 1.4 m² Class : A / B / C / D range: 1.5 - 1.6 m² Class : A / B / C / D range: 1.7 - 1.8m² Class : A / B / C / D range: > 1.9 m² Class : A / B / C / D range: > 2.1 m² Class : A / B / C / D</p> <p><u>Vendor shall provide the following documents to support the certification of the product:</u></p> <p>e) Product licence with Health Science Authority</p> <p>f) Manufacturing licence with Health Science Authority</p> <p>g) Quality Certificate of Product</p> <p>h) Product literature; Catalogue or brochure</p> <p>i) Any other relevant certification or clinical papers necessary for the product</p>	

Authorised Signature: _____

Vendor's stamp : _____

LIST OF NKF DIALYSIS CENTRES

NKF DC ADDRESS LIST			
ADT	761 WOODLANDS	MSD	204 MARSILING
	The Hour Glass-NKF Dialysis Centre (Admiralty Branch)		Jo & Gerry Essery-NKF Dialysis Centre
	BLK 761 Woodlands Ave 6. #01-108. S (730761)		BLK 204 Marsiling Drive. #01-188. S (730204)
	Tel : 6362 2153 / Fax : 6362 2360		Tel : 6368 0291 / Fax : 6368 0267
	CNM - Smitha James , SOA - Sharifah Zainab		CNM - Pan Mei Yu, OA - Tan Bee Luan May
ALJ	102 ALJUNIED	PNG	PUNGGOL OASIS TERRACE
	Hong Leong-NKF Dialysis Centre		NKF Dialysis Centre Supported by Ngiam Kia Hum & Family
	BLK 102 Aljunied Crescent. #01-265. S (380102)		BLK 681 Punggol Drive. #02-02. S (820681).
	Tel : 6743 3572 / Fax : 6743 0817		Tel : 62437020 / Fax : 62437022
	CNM - Lija Varghese, OA - Selicia Chai		CNM - Cheong Lay Tin, OA - Hairiani Khamsani
AM2	633 ANG MO KIO	PSR	180 PASIR RIS
	Western Digital-NKF Dialysis Centre		Tampines Chinese Temple-NKF Dialysis Centre
	BLK 633 Ang Mo Kio Ave 6. #01-5155. S (560633)		BLK 180 Pasir Ris St 11. #01-06. S (510180)
	Tel : 6459 0113 / Fax : 6552 1697		Tel : 6583 9500 / Fax : 6583 0779
	SSN - Tan Bee Lei, OA - Nabilah		CNM - Jaidave Swarna Lakshmi, SOA - Lau Siew Eng Esther
AM3	565 ANG MO KIO	QT1	55 STRATHMORE
	Pei Hwa Foundation-NKF Dialysis Centre		NKF Dialysis Centre Supported by San Wang Wu Ti Religious Society
	BLK 565 Ang Mo Kio Ave 3. #01-3401. S (560565)		BLK 55 Strathmore Ave. #01-145. S (140055)
	Tel : 6552 6569 / Fax : 6552 6539		Tel : 6778 0330 / Fax : 6777 6155
	CNM - Arranz Karen Ann Roquid, OA - Lavonne Koh Sufen		CNM - Wong Wai Mei, OA - Nigel Tan
BBK	103 BUKIT BATOK	SRG	201 SERANGOON
	NTUC Income-NKF Dialysis Centre		IFPAS-NKF Dialysis Centre
	BLK 103 Bt Batok Central. #01-237. S (650103)		BLK 201 Serangoon Central. #01-30. S (550201)
	Tel : 6569 2370 / Fax : 6569 7359		Tel : 6285 4113 / Fax : 6284 2553
	SSN - Aye Aye Chein, OA - Nur Arsikhin		CNM - Khoo Lai Fan, OA - Tan Soon Ling (YuKi)
BD2	105 BEDOK NORTH	SMI	101 SIMEI
	NKF Dialysis Centre supported by Man Fatt Lam Buddhist Temple		Kwan Im Thong Hood Cho Temple-NKF Dialysis Centre (Simei Branch)
	BLK 105 Bedok Avenue 4 #01-2168. S (460105)		BLK 101 Simei St 1. #01-892. S (520101)
	Tel : 6243 7349 / Fax : 6214 0210		Tel : 6785 9882 / Fax : 6786 6268
	SSN - Luo Fang, OA - Fa Kia Wei Collin		CNM - Bindumol , SOA - Jaclyn E Lee
BM2	128 BUKIT MERAH	TM1	935 TAMPINES
	The Singapore Buddhist Lodge-NKF Dialysis Centre		National Trades Union Congress/Singapore Pools-NKF Dialysis Centre
	BLK 128 Bukit Merah View. #01-22 S (150128)		BLK 935 Tampines St 91. #01-333. S (520935)
	Tel : 6878 0552 / Fax : 6878 0021		Tel : 6789 8534 / Fax : 6784 5244
	SSN Adela Guzman, OA - Magnah Bte Mazlah		CNM - Anthony Yutoc, OA - Ho Qian Hui
BPJ	274 BANGKIT	TM2	271 TAMPINES
	New Creation Church-NKF Dialysis Centre		Wong Sui Ha Edna-NKF Dialysis Centre
	BLK 274 Bangkit Rd. #01-54. S (670274)		BLK 271 Tampines St 21. #01-99. S (520271)
	Tel : 6764 6400 / Fax : 6764 2004		Tel : 6789 9878 / Fax : 6789 7336
	SSN - Zhang Xiaoling , OA -		CNM - Wang Jing, SOA - Wu Fuyi
BP2	275 BANGKIT	TWY	113 TECK WHYE
	Le Champ-NKF Dialysis Centre (Bukit Panjang Branch)		Leong Hwa Chan Si Temple-NKF Dialysis Centre
	BLK 275 Bangkit Rd. #01-96. S (670275)		BLK 113 Teck Whye Lane. #01-666. S (680113)
	Tel : 6891 2782 / Fax : 6891 2592		Tel : 6769 0178 / Fax : 6769 9231
	CNM - Doi Ling, OA - Cindy Ng Boon Kiaw		SSN - Zhang Yan, OA - Wendy Wong
CLE	326 CLEMENTI	TPH	225 TOA PAYOH
	Low Foundation-NKF Dialysis Centre		Singapore Airlines-NKF Dialysis Centre
	BLK 326 Clementi Ave 5. #01-175. S (120326)		BLK 225 Toa Payoh Lor 8. #01-54. S (310225)
	Tel : 6775 0668 / Fax : 6775 0891		Tel : 6254 2066 / Fax : 6251 9484
	CNM - Umarani, OA - Ee Poh Swan		SSN - Corales Preslee Salvador, OA - Hanis Binte Jamal
CP1	IRC LEVEL 1	TP2	TOA PAYOH WEST CC
	NKF IRC Supported by The Sirivadhanabhakdi Foundation		Seck Hong Choon-NKF Dialysis Centre
	500 Corporation Road Level 1 S (649808)		BLK 200 Toa Payoh Lorong 2. #03-01. S (319642)
	Tel : 6359 3610 / Fax : 6251 4174		Tel : 6970 4190 / Fax : 6970 4195
	CNM - Bakkia Mary / Mar Mar Aung, OA - Jenny Sim		CNM - Dolly Ponnnyil Poullose , OA - Fadila
CP2	IRC LEVEL 2	URD	311 UBI
	NKF IRC Supported by The Sirivadhanabhakdi Foundation		Foo Hai-NKF Dialysis Centre
	500 Corporation Road Level 2 S (649808)		BLK 311 Ubi Ave 1. #01-383 S (400311)
	Tel : 6359 3620 / Fax : 6251 4175		Tel : 6747 8864 / Fax : 6747 8823
	CNM - Harold Yu, OA -		CNM - Leah May Estacio, SOA - Sanda Tun

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GMH	1 GHIM MOH Woh Hup-NKF Dialysis Centre 1 Ghim Moh Road, #01-358, S (270001) Tel : 64679200 / Fax : 64679231 CNM - Joel Navidad Nillo, SOA - Sherina Sek	UBK	19 UPPER BOON KENG Sakyadhita-NKF Dialysis Centre Blk 19 Upper Boon Keng Rd #01-1220, S (380019) Tel : 6743 1278 / Fax : 6743 1237 CNM - Corazon Eriguel, OA - Jasmine Pang
	114 HOUGANG Singapore Buddhist Welfare Services-NKF Dialysis Centre BLK 114 Hougang Ave 1, #01-1298, S (530114) Tel : 6382 6332 / Fax : 6383 0203 CNM - Yang Man , OA - Lim Yoke Chan Mary		701 WEST COAST The Hour Glass-NKF Dialysis Centre (West Coast Branch) Blk 701 West Coast Rd #01-323, S (120701) Tel : 6560 1184 / Fax : 6560 1076 CNM - Xu Chun, OA - Mimi Chan Kok Hwee
	628 HOUGANG NKF Hougang-Punggol Dialysis Centre BLK 628, Hougang Ave 8, #01-108, S (530628) Tel : 6284 1877 / Fax : 6284 0867 CNM - Cynthia Wong, OA - Martha Monica Lim		825 WOOLANDS Thong Teck Sian Tong Lian Sin Sia-NKF Dialysis Centre BLK 825 Woodlands St 81, #01-30, S (730825) Tel : 6365 1810 / Fax : 6365 4179 CNM - Prabudoss Rajesh Samuel, OA - Nadiah Binti Zulkepli
	240 JURONG EAST NKF Dialysis Centre Supported by Yuhua Grassroots Organisations BLK 240C Jurong East Ave 1, #01-01, S (603240) Tel : 6970 1847 / Fax : 6970 1849 CNM - Sadanandan Arockia Sophia, SOA - Wong Telk Hin		365 WOODLANDS SCAL-NKF Dialysis Centre (Woodlands Branch) BLK 365 Woodlands Ave 5, #01-490, S (730365) Tel : 6362 4905 / 6362 3956 / Fax : 6362 5849 SSN - Rey Mark, OA - Estee Neo Li Fang
JW1	744 JURONG WEST Sheng Hong Temple-NKF Dialysis Centre BLK 744 Jurong West St 73, #01-19, S (640744) Tel : 6794 1061 / Fax : 6794 1071 CNM - Sundaresan Jayalakshmi, OA - Audrey Ho	YS1	203 YISHUN Toa Payoh Seu Teck Sean Tong-NKF Dialysis Centre BLK 203 Yishun St 21, #01-239, S (760203) Tel : 6759 4002 / Fax : 6759 4003 CNM - Su Xiao Ping , OA - Masitah Kamarudin
	940 JURONG WEST NKF Dialysis Centre Supported by The Sirivadhanabhakdi Foundation Blk 940 Jurong West Street 91, #01-441, S (640940) Tel : 6316 6246 / Fax : 6316 6194 CNM - Minimol Muhamadali , OA - Jennifer Koh		639 YISHUN Le Champ-NKF Dialysis Centre (Yishun Branch) BLK 639, Yishun St 61, #01-168, S (760639) Tel : 6257 1860 / Fax : 6257 1650 CNM - Syuhaidah Salleh , OA - Muhammad Ibrahim
KKT	NKF CENTRE Tay Choon Hye-NKF Dialysis Centre 81 Kim Keat Rd, S (328836) Tel : 65062291 / Fax : 6254 9947 CNM - Louie Surban, OA - G. Manonmani	YS3	840 YISHUN SCAL-NKF Dialysis Centre (Yishun Branch) BLK 840 Yishun St 81, #01-382 , S(760840) Tel : 64813006 / Fax : 64813076 SSN - A. Kalavani, OA - Adeline Luke
	43 BENDEMEER Kwan Im Thong Hood Cho Temple-NKF Dialysis Centre (Kolam Ayer Branch) BLK 43 Bendemeer Rd, #01-1018, S (330043) Tel : 6291 3946 / Fax : 6291 3969 SCNM - CNM Sivamani Anandam, OA -		YISHUN COMMUNITY HOSPITAL NKF Dialysis Centre Supported by Keppel 2 Yishun Central 2 #03-01 Yishun Community Hospital, S(768024) Tel : 6970 4213 / Fax : 6970 4216 CNM - Wang Mei Ni, SOA - Lezlie Lim
BED	27 NEW UPPER CHANGI Singapore Pools-NKF Dialysis Centre BLK 27 New Upper Changi Rd, #01-694 S (462027) Tel : 6444 4278 / Fax : 6444 4978	PR2	427 PASIR RIS Pasir Ris 2 Dialysis Centre 427 Pasir Ris Drive 6 #01-43 S(510427)

Accepted By:

Authorised Signature: _____

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

Vendor's name : _____ Vendor's stamp : _____