

TENDER NO: 20160202

REQUIREMENT SPECIFICATIONS

TENDER NO. 20160202

TENDER FOR THE SUPPLY AND DELIVERY OF:

1. BLOOD TUBING SET WITH DRAINAGE BAG,
2. ARTERIAL VENOUS FISTULA NEEDLES, 15G AND 16G &
3. STERILE RECIRCULATION TUBE TO NKF

1. Introduction

- 1.1 The National Kidney Foundation (“**NKF**”) wishes to appoint a contractor (the “**Contractor**”) for the supply and delivery of:
1. Blood tubing set with drainage bag
 2. Arterial venous fistula needles, 15G and 16G and
 3. Sterile recirculation tube
- to NKF as described in these Requirement Specifications – Annex A1-A2, B and C (the “**Goods**”), to its thirty-one (31) dialysis centres in Singapore.

2. Product Specification

- 2.1 The Goods must be registered with Health Science Authority and shall conform to the detailed specification in **Annex A1-A2, B and C**.

3. Quantity requirements and delivery schedule

- 3.1 The Contractor shall supply the Goods over a period of **twenty-four (24) months**, from **August 2016 to July 2018**, subject to such an 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 are detailed as follows:

Sno	Description of Item	Estimated Quantity for 24 months
1.	Blood Tubing Set with Drainage Bag	1,050,000 units
2.	Arterial Venous Fistula Needles, 15G & 16G	1,680,000 units
3.	Sterile Recirculation Tube	3,000 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 D1-D2** for the detailed list 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.

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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.

SPECIFICATIONS OF BLOOD TUBING SET WITH DRAINAGE BAG			
Description of function			
Blood tubing set is required as integral part of dialysis therapy along with the Dialyzer. Blood tubing set is used for drawing blood and returning to body through Dialyzer during dialysis therapy.			
General Specification			
S.N.	Parameter	Specification	Comply Yes/No
1	Universal Tubing set	Set should be appropriate for Fresenius, Gambro and B Braun models in all series of haemodialysis machines.	
2	Tube material	Biocompatible / Medical Grade PVC Tube.	
3	Clamp	Provide clamps on all insert ports to secure blocking performance.	
4	Sterilization	ETO Gas / Steam	
5	Universal tubing set shall comprise	(1) An arterial bloodline set. (2) A venous bloodline set. (3) One unit of drainage bag. (Both lines and the drainage bag shall be packed in a sterile pouch.)	
Operating specification:			
6	Size of Blood Pump Segment	Inner Diameter : 8mm and Outer diameter : 12mm	
7	Size of Arterial and Venous Blood Line	Inner Diameter : 4.6mm and Outer diameter : 6.8mm	
8	Length of Arterial and Venous Blood Line	Arterial line: 3680mm Venous line: 2400mm	
9	Length of Arterial and Venous Chamber	Arterial Chamber: 125mm Venous Chamber :112mm	
10	Size of Inner diameter of Arterial and Venous Chamber	Arterial Chamber one end:15.7mm, other end: 16.6mm Venous Chamber: 18.80mm	
11	Size of Outer diameter of Arterial and Venous Chamber	Arterial Chamber: 20mm Venous Chamber: 22mm	
12	Pre pump Arterial pressure monitoring blood line	Pre pump arterial pressure monitoring line 500mm in length with clamp and transducer moulded to the monitoring line.	
13	"T" junction saline infusion line.	It should have a clamp and a recirculation tube attached at the end.	

Annex A2

S.N.	Parameter	Specification	Comply Yes/No
14	Colour coded ports and connectors	1. All Ports and Connectors of Arterial line must be in RED colour. 2. All Ports and Connectors of Venous line must be in BLUE colour.	
15	Injection Port	1. All injection port should have minimum width of 26mm. 2. All injection port must be colour coded in RED for Arterial line and BLUE for Venous line.	
16	Luer Lock	1. Arterial line must have a recirculation tube attached to the needle end. 2. Venous line does not need the recirculation tube. The needle end of venous line should be connected to the drainage bag. 3. Both Arterial and Venous line must have luer lock connection to attach AVF needle and Dialyser. 4. All injection ports must have bungs attached.	
17	Drainage Bag	1. The bag should have capacity of 2000mls.	
18	Particulate Filter	1. Venous chamber must have particulate filter, with one insertion line, with clamp attached and venous pressure monitoring line 350mm with clamp and transducer moulded to the monitoring line. 2. Arterial bubble chamber with insertion line with clamp attached.	
19	<p><u>Certification</u></p> <p>a) Does 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</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 f) Manufacturing licence with Health Science Authority g) Quality Certificate of Product h) Any other relevant certification necessary for the product</p>		

SPECIFICATION OF ARTERIAL VENOUS FISTULA NEEDLES			
Description of function			
Fistula needle set is required as integral part of dialysis therapy along with dialyser and blood tubing set (extra-corporeal circuit). It is used for drawing and returning blood to the body through extra-corporeal circuit during dialysis therapy.			
General Specification			
Sno	Parameter	Specification	Comply Yes/No
1	Gauge	15G, 16G	
2	Needle Length	1 inch (25mm) with Back-Eye	
3	Cannula	Extra thin wall with clear kink resistant tube fitted with female luer lock connection and pinch clamp to secure blocking performance.	
4	Tube Material	Biocompatible / Medical Grade PVC Tube	
5	Tube length	300 mm	
6	Tube volume	2.8 mls	
7	Wing	Fixed wing	
8	Wing Colour	15G (Ivory), 16G (Light green)	
9	Sterilization	ETO Gas / Steam	
10	Certification a) Does 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 <u>Vendor shall provide the following documents to support the certification of the product:</u> e) Product licence with Health Science Authority f) Manufacturing licence with Health Science Authority g) Quality Certificate of Product h) Any other relevant certification necessary for the product		

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Annex C

STERILE RECIRCULATION TUBE

Sno	Item Description	Requirement	Comply Yes/No
1	Sterile recirculation tube	To supply 3,000 units of individually sterile pack of recirculation tube for distribution to the dialysis centres.	

TENDER NO: 20160202**Annex D1****LIST OF NKF DIALYSIS CENTRES**

Hong Leong-NKF Dialysis Centre 102 Aljunied Cre, #01-265, S (380102) Tel: 6743 3572 / Fax: 6743 0817 ALJ	Sheng Hong Temple-NKF Dialysis Centre 744 Jurong West St 73, #01-19, S (640744) Tel: 6794 1061/ Fax: 6794 1071 JW1
Japan Airlines National Kidney Foundation Dialysis Ctre 17 Ang Mo Kio Ave 9, #03-01, Ang Mo Kio Hospital Ltd S (569766) Tel: 6459 2997 / Fax: 6459 3006 AM1	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
SAF-NKF Dialysis Center 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

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Annex D2

SAF-NKF Dialysis Centre (Hong Kah) 536 Jurong West St 52, #01-497, S (640536) Tel: 65616898/ Fax: 65626027 HON	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	NKF Woodlands Dialysis Centre 365 Woodlands Ave 5, #01-490, S (730365) Tel: 6362 4905 / 63623956 / Fax: 6362 5849 WD2
NKF Hougang - Punggol Dialysis Centre Address : Blk 628, Hougang Ave 8, #01-108 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 Address: Blk 271, Tampines St 21, #01-99 S (520271) Tel: 67899878 /67896965 Fax: 67897336 TM2	Le Champ - NKF Dialysis Centre 639 Yishun Street 61, #01-168, S(760639) Tel : 6257 1860 / Fax : 6257 1650 YS2
The Singapore Buddhist Lodge – NKF Dialysis Centre Blk 128 Bukit Merah View, S(150128) Tel: 6878 0552 Fax: 6878 0021 BM2	Kwan Im Thong Cho Temple – NKF Dialysis Centre Blk 43 Bendemeer Road, S(330043) Tel: 6291 3946 Fax: 6291 3969 KLA
Jurong West 2 Dialysis Centre Blk 940 Jurong West Street 91, S(640940) JW2 (Estimated date of operation in <u>January 2016</u>)	Bukit Panjang 2 Dialysis Centre Blk 275 Bangkit Road, S(670275) BP2 (Estimated date of operation in <u>March 2016</u>)
Yishun 3 Dialysis Centre 840 Yishun Street 81 YS3 (Operation date: TBA)	Blank

Accepted By:

Authorised Signature: _____

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

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