

Request For Proposal For The Supply, Delivery, Installation and Commissioning Of Reverse Osmosis Water Treatment System, Centralised Acid Concentrate Delivery System and Haemodialysis Machines

Requirement Specification for Renal Point of Care System (RPOC)

The Objectives of the Renal Point-Of-Care (RPOC) System are as follows:

- To enable the capture of patient information during every dialysis treatment so as to provide a comprehensive medical record of all our patients inclusive of pre & post dialysis treatment parameters, medication ordered and prescribed, clinical notes, session alerts etc.
- To provide online monitoring during the dialysis sessions with the necessary alerts and reminders.
- To provide online access to our patient information by our doctors and clinicians anytime anywhere so as to enable timely intervention of patient treatment.
- To automate the download of clinical data from the dialysis machines during the treatment sessions at periodic intervals to our back-end main Clinical System.
- To enable bi-directional data exchange with external systems via XML data template from NKF.

Renal Point-Of-Care (RPOC) system requirements	Comply Yes/No	Vendor Comments
• The dialysis machine must be equipped with the patient card reader and the ability to transmit dialysis machine readings and settings to and from NKF's selected RPOC System.		
• The communication protocol must be provided to NKF to enable the transfer of the dialysis machine readings and settings to and from NKF's selected RPOC System.		
• The system must be able to communicate with the weighing scales used by NKF to capture pre and post weight data.		
• The system shall include any hardware components to achieve full network connection eg. BSL (Bedside Link), LAN cables, and/or any proprietary connectors.		
• The system must be configurable to allow NKF to customize its own checklists, pre and post dialysis assessments with data validation and mandatory field options. Note this also applies to existing vendors that are currently having limitation to apply mandatory field options.		
• The system must support the entry of Nurses notes (both during dialysis and independently) in the form of a clinical diary.		
• The system must allow NKF to maintain and manage its own master data.		
• The reports produced by the RPOC system must be customizable to our requirements.		

Authorised Signature: _____

Vendor's stamp: _____

Renal Point-Of-Care (RPOC) system requirements	Comply Yes/No	Vendor Comments
<ul style="list-style-type: none"> The system must integrate to Active Directory for the ease of user setup. 		
<ul style="list-style-type: none"> The system database must only be in Windows Authentication mode, Mixed mode is not allowed (audit requirement). 		
<ul style="list-style-type: none"> The system must support our corporate device/software, namely: <ul style="list-style-type: none"> Windows 10 and 11 and Office 365 application Edge (Chromium) Browser Desktop: CPU i5, Windows 10, 8GB/16GB ram, 512 NVMD COW: CPU i5, Windows 10, 8GB/16GB ram, 256 NVMe/512 NVMe 		
<ul style="list-style-type: none"> The system must include any other hardware and/or software (with installation), except for the following that will be provided by NKF: <ul style="list-style-type: none"> Servers with OS and MS SQL database only Nursing station PC with OS only Computer on Wheels (COW) laptop with OS only 		
<ul style="list-style-type: none"> The RPOC system must be able to integrate with existing NKF Clinical System through XML data interface bi-directional, <ul style="list-style-type: none"> Taking patient data from NKF Clinical System to allow ease of patient card setup. Sending treatment plan, treatment data, and clinical diary to NKF Clinical System to allow central storage of patient data. New data point from new machine model (eg. HDF) to be integrated. 		
<ul style="list-style-type: none"> The RPOC system data sync interval must be customizable to support real-time, hourly or predefined intervals as required. 		
<ul style="list-style-type: none"> Include 5 concurrent licenses per DC plus 1 concurrent license for every 4 machines or part thereof. Eg. 20 machines must include 10 concurrent licenses. 		
<ul style="list-style-type: none"> The RPOC license must be transferrable to the next purchase of the same brand of HD machine 		
<ul style="list-style-type: none"> There must be 6 patient cards included for every machine purchased. <ul style="list-style-type: none"> Example: 20 machines must include 120 patient cards. 		
<ul style="list-style-type: none"> Contractor must be able to provide local application and technical support 		
<ul style="list-style-type: none"> Local application and technical support coverage must be as follows: <ul style="list-style-type: none"> Refer Additional Terms and Conditions 		

Authorised Signature: _____

Vendor's stamp: _____