



Tender Reference: UHS/IT/ TENDER/0003/2022
Tender Expiry Date: 21.08.2022

01.08.2022

Dear Valued Vendors

The Hospital Management has decided to invite vendors for a Tender. You, as a vendor are requested to participate in the tender process by submitting your offer for one or more of the items described in RFP document.

The Tenderer should comply with the following terms & conditions:

1. All the prices should be presented in UAE Dirham.
2. Only platinum or Gold or equivalent partnership level of vendors are requested to submit the proposal.
3. The Specification of the proposed product should be clear, informative & include Brand, Origin, Unit of Measure, Qty and Delivery Period.
4. The price quoted is inclusive of the delivery/ installation or as mentioned in the technical requirement (specified in the attached document) to **University Hospital Sharjah**.
5. Warranty and support services from manufacturer should be for 3 years. Support should be 3 years premium. Vendor should provide 3 months post support.
6. Vendors have to submit their partnership level certificate of the proposed products.
7. Vendors have to submit the end of marketing, end of life and end of support documents regarding the proposed products. Failed to submit the documents will eliminate the vendors from the evaluation.
8. Vendors have to provide the customer references on similar projects.
9. Vendors have to provide the technical team details and their level of certifications on the proposed project.
10. Technical BOQ should be discussed with IT department before submitting.
11. The financial offer should be on you company letter head containing authorized signatory and may please be sent to the attention of Director of Finance and Administration, **University Hospital Sharjah, PO Box 72772, Sharjah in a sealed document**.



12. All deliveries should be made for ordered quantity in full to our Main Warehouse, located in the Hospital vicinity or as specified on the Purchase Order/ Contract.
13. As a part of the Tender document, the Vendors are requested to provide their valid Trade License, Name and Designation of the Managing Director/General Manager/Sr. Manager who has authority to bind their company for business relationship. Also is required the authorization letter/Agency certificate providing the confirmation that the vendor is legalized to supply the items on behalf of the manufacturer/principal company.
14. Standard payment terms are 90 days from the date of completion of delivery of all the items ordered or as specifically agreed in writing by the Materials Management Department of the University Hospital Sharjah.
15. Any delays or short supply or non-conformance may result in the termination of Purchase contract and/or imposition of penalty for delayed supplies as per the discretion of the Hospital Management.
16. The proposed items should be evaluated & approved by our Hospital Technical team before confirmation. Once the agreement is signed off, the supplies will have to correspond to the same quality, specification and source as originally agreed and any deviations will be considered as non-compliance with agreed terms.
17. The brand/manufacturer mentioned should be maintained during the Purchase contract period.
18. Any defective products should immediately be replaced with new ones, as and when notified within a maximum period of one month of date of notification.
19. University Hospital Sharjah will be constantly evaluating the compliance of Contracted Terms and consistency in supplies throughout the duration of the Purchase contract. Should Vendors not be meeting the requirements of University Hospital Sharjah, we reserve the right to cancel the contract giving 1 month notice.
20. Purchase Contact details (landline, mobile, emails) of the responsible person/s should be mentioned.
21. **Tenders should be submitted in two sealed envelope and submitted to Administration Office Finance Department- UHS:**
 - a. **The Technical Specification details (PLEASE DO NOT INDICATE ANY FINANCIAL VALUE IN THIS).** If requested for additional clarifications and details these needs to be submitted to University Hospital Sharjah- **(Materials Management Department).**
 - i. The technical offer should conform to the Indicative specification as per attachment.



- ii. Completed indicative specification document to submit along with the technical offer (hard copy).
 - iii. Reference hospital where the equipment is currently installed.
 - iv. Authorization letter from the Principal Company indicating.
 - v. Soft Copy (CD or USB)
- b. **The Financial Offer** address to Director of Finance and Administration, University Hospital Sharjah with **tender reference**.

All above document should be submitted before the tender expiry date, all documents submitted after the expiry date will not be accepted.

22. University Hospital Sharjah reserves the right to accept / reject the tenders without assigning any reason thereof.
23. Tender will be awarded project wise as per the Purchase contract.
24. Quality, Price, after sale services are combined parameters for tender evaluation.

The list of Equipment's/ Service/ Medical Disposables for which Tender is being invited are listed as per Annexure I which is an integral part of this Tender Invitation. The vendors are advised to strictly mention the Item Code, the Group Code mentioned therein.

For University Hospital Sharjah

Materials Department



Request for Proposal for Bedside Device Integration Project

Document Details

Title: Requirement Specification Document

Project: Bedside Device Integration

Date: 1st August 2022

Version: 3.0

Created by: Syed Zainuddin

Document controls

Document Modifications			
Version	Date	Description of Change	Modified By
1.0	15/06/2022	Creation	Syed Zainuddin
2.0	26/06/2022	Scope of work is updated	Syed Zainuddin
3.0	25/07/2022	Annexure 1 (Devices Details are updated)	Syed Zainuddin

1. Introduction

1. 1.1 Overview

The purpose of this document is to define the scope of work for the Bedside Device integration project with Trakcare. The project specifically initiated for the ICU-A, ICU-B, and NICU bedside device integrations with Trakcare.

This document is the basis for the design/implementation of the project. While it is expected that additional details may be decided at the time of implementation.

2. 1.2 Out of Scope

The project is specifically initiated for the following High acuity areas, ICU-A, ICU-B, and NICU. Any other high acuity area, including but not limited to Operations, Emergency unit etc is out of scope for this phase of the project.

Syringe pumps integration with Trakcare is also out of the scope for this integration in this phase. To implement Syringe pump integration, a major change needs to be introduced in Trakcare in the medication ordering process.

2. Functional Specification

Overview

The following section details the requirements about integration and data fetching/reading from bedside devices and pushing to Trakcare.

Scope of Work:

1. List of equipment given in Annexure 1 needs to be integrated with EMR (Trakcare).
2. ECG machines given in Annexure 2 require to be integrated with a Bedside device integration solution. The solution should be able to read the data from ECG machines and convert it to pdf file format and send it to EMR (Trakcare).
3. A central station software solution is required from the supplier to integrate all bedside devices and other machines central monitoring stations with their software solution. A bedside device Central Station solution will be integrated with EMR (Trakcare).
4. As at present we have the patient monitors of the following brands, Mindray (ICU-A and ICU-B), Philips (NICU) and GE (NICU) monitor. Additionally, we are in the process to buy additional monitors. The central stations of patient monitors needs to be integrated wherever available.
5. Other bed side devices where central station is not available will be connected by using supplier bed side device integration unit. This unit will be responsible for any data conversion (if required) and process the data to Supplier Central Station Software Solution from where it will be sent to EMR (Trakcare).

6. The bedside device integration unit must have a storage facility available for at least seven days. In case of any network or other downtime, the data should store in the unit and push automatically to the central station software solution once a connection will be restored.
7. The Supplier should provide a dashboard to monitor the connectivity status of each Unit.
8. Vendor/supplier should complete site visit and ensure all Bed side machines can be integrated and having required ports available for data communication.
9. The HL7 Integration will be used between Supplier Central Station and Solution and EMR (Trakcare).
10. UHS team will identify and provide a list of observations required from each bedside device/central station. The supplier Implementation team will be responsible to configure all required observations and will ensure that all these observations are properly processed to HL7 interface.
11. The supplier will support the process of Integration between Machines and the UHS Information System. All Configurations, Setup, Training, Testing, etc. required for the successful implementation of the interface will be provided by the Supplier.
12. Supplier will provide an expert technical resource to work with customer team to accomplish the interface under this contract.
13. Supplier will provide all required support to Customer in case if any issue/bug identified in the interface and will resolve the issue/bug on priority.

14. Supplier will notify customer as and when the updates are released for the interface. Both parties should be mutually agreed on the upgrade process.
15. Supplier will provide server/workstation for the installation of the any middleware (if required) with Operating System and other required licensed software's. Supplier will be responsible to install the middleware (if required) and all other dependent software's on the server/workstation.
16. Supplier will be responsible to provide all required hardware and software's for the project including but not limited to, Bedside device integration units, Cables, Converters, etc.
17. Two-way Interface will be built for integration between machine and UHS Information System.
18. If required Supplier will support the process of adding more machines in the same interface as and when required.
19. Customer will provide only on demand access of the server to supplier for any activity.
20. Web and Mobile Based Alerting tool for care providers
21. Detailed Training and Handover to Customer that include and limited
 - a. Setup/ Upgrade new devices and enable the integration with EMR
 - b. Modify integrated device parameters with ability to map additional supported observations as and when requested
 - c. Monitor/troubleshoot the HL7 messages communications

22. The supplier will be responsible to provide End User Manuals and System Administrator user manuals.
23. Highly desirable to receive or access the Technical alarms/errors, Machine Working hours and machine status from bed side devices.
24. Alerts for PPM as notifications (if possible).
25. The Ability to configure the frequency of Data Sent to EMR per bed by End User

Annexure 1

Equipment List (ICU and NICU)

Depart	Room/Bay Count	Device Name/Type	Manufacturer	Model	Quantity
ICU-A	22 (16 ICU +6 HDU)	Ventilator	MAQUET	SERVO-I	10 +2
		Ventilator	MAQUET	SERVO-U	8 +2
		Patient Monitor	MINDRAY	BENEVISION N17	16+6(HDU)
		Central Station Monitor	MINDRAY	BENEVISION CMSII	1
		PORTABLE VENTILATOR	HAMILTON	T1	2
		TRANSPORT PATIENT MONITOR	GE	B450	2
		PORTABLE VENTILATOR	Philips	TRILOGY 100	2
		Renal Therapy	Baxter	Prismaflex	4
ICU-B	6	Ventilator	MAQUET	SERVO-I	5
		Patient Monitor	GE	B850	6
		Central Station	GE	CIC Pro	1
		Telemetry Devices	GE	APEX PRO	8
		Telemetry Server	GE	ApexPro MP100R	1
NICU-A	14	Patient Monitor	GE	B850	14
		Central Station Monitor	GE	CIC Pro	1
		Ventilator	SLE	SLE5000	2
		Ventilator	DRAEGER	VN500- C500	5
		Ventilator	VIASYS HEALTHCARE	SIPAP	4
		Ventilator	BIOMED DEVICES	MVP10	1
		Incubators	GE	GIRAFFE	26
NICU-B	6	Patient Monitor	Philips	MX800	6
		Central Station Monitor and Gateway	Philips	PIC IX	1
		Ventilator	ACCUTRONIC	FABIAN HFO	3
		Ventilator	ACCUTRONIC	FABIAN	3

Annexure 2

	Manufacturer	Model	Serial N°	Supplier	MD Name
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SCD 10440998 PA	GE HEALTHCARE	OUT PATIENT DEPT
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SCD10440969PA	GE HEALTHCARE	EMERGENCY DEPT
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SCD10440986PA	GE HEALTHCARE	MEDICAL SURGICAL WARD 4
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SCD10430935PA	GE HEALTHCARE	INTENSIVE CARE UNIT B
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SCD10430944PA	GE HEALTHCARE	OUT PATIENT DEPT
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ15205927PA	GE HEALTHCARE	CATHLAB
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ15397289PA	GE HEALTHCARE	INTENSIVE CARE UNIT A
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ15407344PA	GE HEALTHCARE	CORPORATE CLINIC
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ17052915PA	GE HEALTHCARE	EMERGENCY DEPT
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ170429202PA	GE HEALTHCARE	DIALYSIS UNIT
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ18180003PA	ABU DHABI INTERNATIONAL MEDICAL SERVICES	MEDICAL SURGICAL WARD 4
ECG Machines	GE HEALTHCARE, USA	MAC 5500	SKJ18180011PA	ABU DHABI INTERNATIONAL MEDICAL SERVICES	MEDICAL SURGICAL WARD 5