JORDAN ARMED FORCES

The DIRCETROATE OF ROYAL MEDICAL SERVICES

THE INSTITUE OF BIOMEDICAL TECHNOLOGY

Item 1	Patient Monitor, Preconfigured	Qty. (35)

(8) eight

IMPORTANT NOTE:

Vendors are required to fill out the product details, compliance information, and brochure reference page number in the columns below

TECHNICAL SPECIFICATIONS:

The unit must meet or exceed the requirements listed in the table below.

Product Details	
Name of Manufacturer	
Model/ catalogue number	
Country of Origin for the offered model	
Country where the manufacturer is based	
Delivery time	
Full warranty period	
FDA clearance OR CE Mark	

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
1	The system must be offered by a **reputable well-known** manufacturing company and not by a supplier company.		
2	Preconfigured type monitor		
3	The monitor should work on mains ac supply without external converters or adapters		
4	Adult, paediatric patient monitor.		
5	Heavy duty with robust design.		

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
6	**Configuration (<u>for 11 units</u>):** - Wall mount type, wall mount shall be included (local made wall mount is not accepted) - 12-inch colour TFT LCD screen patient monitor of resolution not less than 800 x 600 pixels - Waveforms: a- ECG wave form b- NIBP c- Heart Rate d- SPO_2 (Masimo Technology) e- Temperature		
7	**Configuration (<u>for 24 units</u>):** - Mobile type on an original heavy duty trolley - 10-inch colour TFT LCD screen patient monitor of resolution not less than 800 x 600 pixels - - Waveforms: a- ECG wave form b- NIBP c- Heart Rate d- SPO_2 (Masimo Technology) e- Temperature f- CO_2		
8	The following <u>original</u> accessories are required with each unit and <u>quoted separately</u>:		
	a. 3-leads ECG cable.		
	b. Reusable adult SpO2 sensors, Finger clip type		
	c. Reusable paediatric SpO2 sensors, Finger clip type		
	d. Adult cuff		
	e. Paediatric cuff		

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
	f. Temperature probe		
	g. CO_2 kit		
10	Standard accessory sets must be itemized.		
11	Leads off alarm		
12	Baseline adjustment capability.		
13	High resolution display with sweeping motion.		
14	All data shall be in real time (waveform and numeric).		
15	Built-in rechargeable battery minimum life 90 minutes of continuous monitoring		
16	Min 72 hours trend capacity		
17	HL7 licence; all units should be compatible with HAKEEM hospital information system		
18	Where applicable, any software shall be of the latest version, and any service / settings password must be disclosed and perpetual.		
19	Minimum of 4 waves display		
20	All available options and accessories must be offered and priced separately		
21	Offers must include a certified service training program at a reputable centre abroad recognized by the manufacturer for at least ONE biomedical engineer or technician as per term 20 of the special terms		

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Item 2	ICU Patient Monitor	Monitors: Qty. ~~(5)~~ (2) Two

IMPORTANT NOTE:

Vendors are required to fill out the product details, compliance information, and brochure reference page number in the columns below

TECHNICAL SPECIFICATIONS:

The unit must meet or exceed the requirements listed in the table below.

Product Details	
Name of Manufacturer	
Model/ catalogue number	
Country of Origin for the offered model	
Country where the manufacturer is based	
Delivery time	
Full warranty period	
FDA clearance OR CE Mark	

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
1	ICU/CCU patient monitor.		
2	High resolution TFT-LCD touch-screen display of at least (1024 x 768) resolution and size not less than 15"		
3	User friendly.		
4	Heavy duty with robust design.		
5	**Configuration:** modular type with a minimum of three plug-in modules that can be fitted simultaneously on a flexible module rack one of which to be a multi-parameter vital signs module.		
6	**Parameters:** ECG, Respiration rate, NIBP, Body temperature, SPO2 (Masimo technology), IBP		
7	Additional IBP (outlet or separate module) to be quoted separately		

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
8	End tidal CO2 module (One module for the whole quantity, both mainstream and/or side stream options to be offered and priced separately)		
9	Wall- mounting accessories supplied and approved by the manufacturer of the monitor.		
10	Leads off alarm		
11	Escalating level alarm		
12	Each unit must come complete with the following **Original** accessories and **quoted separately**:		
	a. ECG cable (3 leads), (with ECG trunk cable).		
	b. ECG cable (5 leads), (with ECG trunk cable).		
	c. Reusable SpO2 sensor (adult), 3 meters long, Finger clip type		
	d. Reusable SPO2 sensor (Paediatric), 3 meters long, Finger clip type		
	e. Reusable regular size adult cuff		
	f. Reusable paediatric cuff		
	g. IBP kit with complete connection cables.		
	h. Temperature probes (Both skin and rectal types should be quoted)		
	i. CO2 sensors (complete assembly).		
	j. One accessories basket (supplied and approved by the manufacturer)		
13	All data shall be in real time (waveform and numeric).		
14	Software shall be of the latest version, and any service/ settings password must be disclosed and perpetual		
15	Vendors to list all prices of optional software and hardware for offered system.		
16	Any software licenses must be listed and priced.		

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
17	All available options and accessories must be offered and priced separately		
B	**Central Station**		
1	The central station is to be located at the nurse station. Bidders shall quote for a comprehensive offer including network The local area network (LAN) must be designed so that the failure of any bedside monitor does not affect the function or balance of the system.		
2	Central station must be supplied by the same manufacturer of the patient monitor, locally supplied central stations will be considered as non-conforming.		
3	The central station monitor shall display waveforms for the following parameters as obtained from each individual bedside monitor: **ECG, NIBP, IBP, Body temperature, SPO2, CO2**		
4	Central station monitor must be capable of displaying data from at least 4 monitors simultaneously.		
5	Flat easy to clean surfaces.		
6	Ability to display waveforms, numeric data, graphic displays, tabular displays, and calculations.		
7	Software programmed touch keys for control of monitor functions and display modes.		
8	Remote record initiation control for all waveforms.		
9	Control for waveform freeze.		
10	Audio / visual alarms with standard alarm / acknowledge / reset control.		
11	Digital display of alarm limits and status.		
12	Memory for alarm events to provide a minimum of 10 seconds before the event, and 15 seconds after the event.		

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
13	Selectable sweep speed for waveforms of 25 or 50 mm/sec for a display of at least 5 seconds of each waveform		
14	Alphanumeric data display for each parameter.		
15	High resolution TFT-LCD touch screen colour monitor minimum 19 inches		
16	Multi-channel strip-chart recorder with the following features:		
	a. Annotation of time, date, bed number, alarm status, and vital signs.		
	b. Paper speed selectable to be 25 or 50 mm/sec.		
	c. Paper width minimum 50 mm.		
	d. Automatic trace calibration and centring.		
	e. Ability to stack and prioritize requests so that no alarm information is lost.		
	f. Printer to allow for manual initiation from either the central station or any bedside monitor.		
17	Clinical review software with the following features:		
	a. Ability to support all 4 bedside monitors.		
	b. Ability to store patient data for at least 48 hours.		
	c. Detailed analysis of waveforms.		
	d. Basic software must come as standard and to be included in		
	e. The main offer, while any optional software must be priced separately.		
	f. Clinical review software capable of generating full documented report.		
18	HL7 licence		

	Minimum Requirements	Compliance (Y/N), Notes	*Brochure Page No.*
19	All available options and accessories must be offered and priced separately		
20	Offers must include a certified service training program at a reputable centre abroad recognized by the manufacturer for at least one biomedical engineer or technician as per term 20 of the special terms		

SPECIAL TERMS

- *Offers not complying with any of the special terms or the technical specifications shall be considered non-conforming with tender requirements.*
- *Any vendor providing FORGED documents shall be disqualified from the current tender and banned from participating in any future RMS tenders.*

1. *All equipment must be the most recently released model/version which is equal to or higher than the range of the specifications of the required system (low, mid or high) and equal to or higher than the level of technology and required options mentioned in the technical specifications.*
2. *Required certificates:*

2.1 *For equipment of US origin, a copy of a certificate of FDA approval & the relevant 510K clearance for selling to US healthcare facilities for the offered model must be submitted with the technical offer.*

2.2 *For equipment of other origins, a copy of either a CE certificate with the relevant CE number (MDD)/TÜV/BSI/UL OR a certificate of FDA approval & the relevant 510K clearance for selling to US healthcare facilities for the offered model must be submitted with the technical offer.*

2.3 *Only for class I medical equipment, submission of a copy of Declaration of Conformity certificate (MDD) for the offered model shall be accepted.*

2.4 *With each offer, bidders must provide a formally endorsed document issued by the manufacturer stating that the bidder is the sole certified agent / distributor for the offered item.*

2.5 *In all of the above cases (except 2.4) certificates must be formally endorsed by JFDA.*

3. *Country of origin:*

i. *The country of origin of the main part (s) of the system must be one of the following:*

USA, Canada, Japan, UK, Sweden, Finland, Denmark, Switzerland, Belgium, Germany, France, Netherlands, Spain, Norway, Italy, Ireland, Austria, New Zealand, Australia & Czech Republic.

ii. *Accessories and consumables (as determined by the purchasing committee) may be manufactured in other countries and/or by different manufacturers.*

iii. *All offered items must be approved for sale in the same country of origin.*

iv. *Vendors must specify the origin of all offered items and accessories in the technical offer.*

v. *Equipment manufactured by reputable companies based in any of the countries mentioned in (3.i) will be taken into consideration regardless of the manufacturing site only:*

a. *If they are approved for sale in the same county of origin (an original and officially endorsed free-sale certificate from an authorised body must be included in the offer.*

OR

b. *If they are approved for sale in at least three of the countries mentioned in (3.1) (an original and officially endorsed free-sale certificate from an authorised body in those countries must be included in the offer).*

vi. *Bidders must submit their reservations/queries regarding tender specifications and/or special terms within the first third of the tender closing period starting from the tender announcement date. Reservations/queries submitted after the end of this period shall be rejected.*

4. *Warranty:*

i. *Offers must include a full warranty including spare parts and labour for a period of a minimum of 24 months from the date of installation.*

ii. *If at any time during the warranty period the item becomes inoperative due to a technical fault the item must then be repaired by the supplier /local agent within a period of fourteen days from written notification, otherwise the supplier must replace the item with a new identical functioning one and will endure a penalty determined by the Royal Medical Services for each day of the downtime of the system. In case the item was replaced by a new one, the warranty period mentioned in (4.i) above will start from the installation and commissioning date of the new item.*

5. *One set of operation manual(s) and one set of service manual(s) including schematics and a spare-part list must be delivered with each unit, CD/DVD is acceptable. For large tenders, a certain agreed percentage of manuals per item may be agreed upon.*

6. *Where applicable, pre-installation shall be the sole responsibility of the supplier. Pre-installation shall include removal of old system(s), any civil work, electrical work or site modification(s) necessary to accommodate the new system(s) according to manufacturers' specifications and safety standards in addition to the work required for bringing back the site to the same working conditions as before installing the new system(s).*

7. *Power requirements: where applicable either single phase 220V, 50Hz or 3-phase 380V. Systems with external transformers are considered conforming only if clearly stated in the technical specifications.*

8. *Technical offers must include clear original technical brochures/catalogues for all offered items.*

9. *Offers must include fully detailed technical offers and compliance sheets as a soft copy (either Microsoft office or Microsoft excel format) in addition to a hard copy, mentioning the exact model/catalogue number and country of origin of the offered item(s), full technical description/specifications and any accessories or options included in the offer.*

10. *Compliance sheets must be as per the tabular format of the technical specifications in the tender documents, listing the required specifications on one column and a Yes or NO response to each point in the adjacent column, with reference to page and line numbers in the relevant technical brochure. Offers not complying with this term shall be rejected.*

11. *Accessories and consumables:*

    i. *Any accessories and consumable items necessary to operate the offered system must be clearly identified and priced separately.*

    ii. *Technical offers must include a priced list for accessories and consumables as a hard copy in addition to a soft copy (either Microsoft office or Microsoft excel format) with prices fixed for a period of five years from the date of installation and commissioning with a maximum annual increase of 2%, <u>any essential item not listed will be considered free of charge.</u>*

    iii. *Accessories and consumables must be priced according to their delivery destination either to Queen Alia International Airport or to RMS Main Medical Stores.*

    iv. *Where applicable, a start-up kit of accessories and consumable items must be provided with each system on a free-of-charge basis.*

12. Spare Parts:

i. *Technical offers must include a comprehensive and priced spare parts list as a hard copy in addition to a soft copy (either Microsoft office or Microsoft excel format) valid for a minimum period of five years with a maximum annual increase of 2%, commencing at the end date of the warranty period, any essential item not listed will be considered free of charge.*

ii. *Spare parts must be priced according to their delivery destination either to Queen Alia International Airport or to RMS Main Medical Stores.*

13. Spare parts, consumables and accessories availability must be guaranteed for a minimum period of ten years starting from the date of installation and commissioning.

14. Tender Awards:

i. *For the final list of offers having a chance of winning the award, the awarding process shall be based on the accumulative value of both the offered item and its' running cost (Total Cost of Ownership) over a period of seven years from the date of installation and commissioning. Only offers with the lowest total cost of ownership over a period of seven years from the date of installation and commissioning shall qualify for the award.*

ii. *Running cost includes the value of consumables, accessories needed to operate the system over the same period as well as the cost of any service contract (where applicable).*

15. For PC/Laptop based systems:

i. *Complete restoration medium (CD/DVD/etc.) of the operating system and the application software must be supplied.*

ii. *Where locally supplied computers or laptops are offered, only computers/laptops from Apple, hp/Compaq, Lenovo, Dell, fujtisu or Toshiba will be accepted, offered models must be the latest available version upon delivery.*

iii. *Where locally supplied printers are offered only the following types and brands are accepted: HP, SAMSUNG, OKI, CANON, EPSON.*

16. Pricing must include services of sale, shipment, transportation, delivery from port to site or to Main Medical Stores, installation, pre-installation (if needed), training, commissioning, warranty and bringing the equipment into service.

17. *Custom clearance of goods shall be the responsibility of the Jordanian Armed Forces (JAF), however, suppliers shall bear all costs incurred by handling charges and any demurrage charges or extra expenses incurred by the port's corporation (including expenses caused by delay in presenting the necessary shipment documents for either clearing or transporting the goods to the required location mentioned in the final order, delivery note issuing charges, unloading charges, local shipping charges etc.). The supplier is also responsible for providing of all relevant shipping documents, together with the delivery order(s).*

18. *DRMS has the right to increase or decrease the awarded quantities by a percentage not exceeding 30% after the final order notification with the same prices, terms and conditions of the original contract upon DRMS request and approval of the awarded party.*

19. *The supplier must furnish DRMS with a guarantee stamped and legalized by the Notary Public equals to (115%) of the total value of the awarded equipment valid for twelvemonths from the date of final acceptance of the equipment by DRMS.*

20. *Training:*

    i. *For items where service training courses for the offered system are usually conducted abroad, offers must include a certified service training program at a reputable center abroad recognized by the manufacturer for at least one biomedical engineer or biomedical technician; all costs inclusive, air tickets, , boarding, commuting, accommodation (minimum 3 star hotel on full board basis) and any extra costs.*

    ii. *For items where user training courses for the offered item are usually conducted abroad, offers must include a certified operator training program at a reputable center abroad recognized by the manufacturer for at least one operator; all costs inclusive, air tickets, , boarding, commuting, accommodation (minimum 3 star hotel on full board basis) and any extra costs.*

    iii. *The period of the training courses must be according to the manufacturer's program excluding travelling days, and must be stated clearly in the technical offer.*

    iv. *Training Programs must conform to the following standards:*

        i. *User training must comprise understanding and use of operation manual(s), correct and safe operation of the equipment, as well as user preventive maintenance and calibration.*

ii. *Service training must comprise: theory, understanding and use of service manual(s), calibration, preventive maintenance procedure, and practical troubleshooting and repair exercises, and must be conducted by professional instructors employed or authorized by the system manufacturer.*

iii. *Service training must be conducted on a system of identical make, model, and configuration to that purchased by DRMS, and designated by the manufacturer or the local agent for training purposes.*

iv. *Certificates must be endorsed and officially sealed by the system manufacturer, legally empowering trainees to engage in user and service activities according to operation and service manual(s).*

v. *Where applicable, offers must include on-site user and service training.*