Procurement of Medical Equipment for the Intensive Care Unit at Alia Hospital – Hebron

UNDP Reference (PAL10-00103835)

ITB-2017-91 – Annex I

Price Quotation Form and Technical Specifications

Price quotation form - Medical Equipment

ITEM NO.	DESCRIPTION	QTY	UNIT PRICE US$	Total Price (Lump Sum, All Inclusive)
1	ICU BED	**19**		
2	VENTILLATOR	**4**		
3	DEFIBRILLATOR MONITOR	**2**		
4	MONITORING SYSTEM FOR 19 BEDS	**1**		
5	ELECTROCARDIOGRAPH	**2**		
6	OXYGEN FLOWMETER COMP.	**19**		
7	SUCTION UNIT COMPLETE	**19**		
8	MEDICATION CABINET	**2**		
9	EMERGENCY TROLLEY COMPLETE	**2**		
10	AUTOMATIC BLOOD PRESSURE M/C	**1**		
11	INFUSION PUMP W. STAND	**10**		
12	SYRANGE PUMP W.STAND	**10**		
13	MEDICATION TROLLEY	**2**		
14	X-RAY VIEWER DOUBLE	**2**		
15	BED SIDE CABINET WITH OVER BED TABLE	**19**		
16	ULTRASONIC NEBULIZER	**2**		
17	WARMING MATRESS	**1**		
18	WHEEL CHAIR ADULT	**1**		
19	LINEN TROLLEY DIRTY/CLEAN	**2**		
	Total Price of Goods			
	Add : Cost of Installation and Operation			
	Add : Cost of Training			
	Add : Cost of Transportation			
	Add : Cost of Insurance			
	Add : Other Charges (pls. specify)			
	Grand Total, Final and All-Inclusive Price Quotation (USD) - Not including Tax & Value Added Tax (VAT)			

[Name and Signature of the Supplier's Authorized Person]

[Designation]

[Date]

ITEM # :1	QTY :19	
ICU BED	**COMPLIANCE**	**DEVIATIONS**
Good brand name		
High End ICU Beds to be used in the intensive care for comfort of the patient and to facilitate comfortable transfer to and emergency and other words, it is also required to carry out point of care procedures including radiological procedures at the bedside		
The beds must be designed and approved for use in critical care departments; they must be fully motorized electric units and should have Radiolucent top for carrying out X-Ray.		
Should have four section mattress base		
Should have X-Ray translucent back section made up of high pressure laminate		
Should have X-ray cassette holder underneath the back section and should allow Insertion of X-ray cassette from either side of the bed.		
Base frame and support frame should be made up of steel for long life and prevention from rusting.		
Controls in the Side Rails from both sides of the bed, in addition to remote control for the Nurse to control the bed.		
Should have step less electrical adjustment for the following :		
Height: 400-820 mm Approx.		
Back section: 0-70 deg. Approx.		
Leg Section: 0-30 deg Approx.		
Trendelenburg And anti trendelenburg up to 16 deg. approx.		
Quick release mechanism for emergency situation.		
safety side rails shall be half length type. Rails must store to provide a zero transfer gap for surface transfer. Side rails shall have heavy durable plastic covering or solid plastic suitable for this application.		
Beds shall have central breaking and steering system with minimum 5.5” double ball bearing swivel casters. Brake control to permit locking of caster(s), must be located on both sides of the bed. Casters must be non-marring material.		
Mattress of the bed should be made up of high density foam with Anti Microbial agent incorporated into all components that assists in prohibiting growth of bacteria and fungi and easy to clean		
Mattress should be fully Radiolucent for ease in performing X-Ray.		
Bumpers at all corners and place for fixing accessories		
Dimension of the bed :		
Length : 2200 mm. approx.		
Width : 1100 mm.approx.		

ITEM # :1	QTY :19	
ICU BED	**COMPLIANCE**	**DEVIATIONS**
Head and foot panels shall be constructed either solid plastic, formed plastic with built in handles.		
Head and foot end panels must be easily removable with no tools.		
The bed shall have 2 permanent IV poles attached.		
Weight bearing capacity 250 kg.		
The bed must have Chair positioning, CPR release and be movable in all height positions.		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		

ITEM # :1	QTY :19	
ICU BED	**COMPLIANCE**	**DEVIATIONS**
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # :2	QTY :4	
ICU VENTILATOR (Invasive & Non-invasive)	**COMPLIANCE**	**DEVIATIONS**
Good brand name (USA,EURO,Japan).		
ICU ventilator with Fio2 and Co2 on trolley with Humidifier ,Autoclavable humidifier chamber and Circuit Support arm complete with		
Patient Type: Adult, pediatric		
Should have facility for Invasive and Non-Invasive ventilation works with all modes of ventilation.		
Microprocessor Control suitable for Paediatric and adult ventilation.		
Standard hinged arm holder for holding the circuit.		
Should have built in touch colour screen TFT display of minimum 10” or more for display of waveforms and Monitored value.		
Facility to Measure and display:		
Status indicator for ventilator mode.		
Internal battery with Battery indication.		
Pressure Vs time, volume Vs time, flow Vs time 3 curves.		
Pressure Vs time, volume Vs time, flow Vs time 3 loops.		
Alarm setting.		
Active Automatic compliance and leakage compensation for circuit and ET Tube.		
Should have facility of log book, for events and alarms with date & time.		
Should have following settings:		
Tidal volume (Minimum at least 50ml, Maximum up to 2000ml)		
Inspiratory Pressure (up to 80 cm of H20)		
Respiratory rate 1 to 80 bpm.		
Apnoea back up rate.		
CPAP/PEEP		
Pressure support.		
Fi02		
Pause Time		
Pressure & flow Trigger		
Inspiratory flow up to 120 Lpm.		
Monitoring and Display of the following Parameters:		
Airway Pressure (Peak & Mean).		
Tidal volume (Inspired & Expired).		
Minute volume (Inspired & Expired		
Respiratory mechanics.		
Spontaneous Minute Volume.		
Total Frequency.		
Fi02 dynamic.		
Plateau Pressure.		
Resistance & Compliance.		

ITEM # :2	QTY :4	
ICU VENTILATOR (Invasive & Non-invasive)	**COMPLIANCE**	**DEVIATIONS**
Use selector Alarms for all measured & monitored parameters.		
Pressure Flow & Volume curves.		
Modes of Ventilation equipped with newer modes of ventilation:		
Assist /control.		
Volume Control.		
Pressure control.		
Pressure support.		
SIMV with pressure support .		
PEEP.		
Autoflow		
BIPAP, CPAP. With NIV .		
Apnea Ventilation, User selectable, volume & pressure control.		
Should have built in safety alarms for Airway Pressure high & low, Minute volume,High & low, PEEP, power failure, Low oxygen, High Respiratory Rate, Air Source in-operable.		
Should have compatibility with existing central pipe line.		
Humidifier		
Servo controlled heated Respiratory Humidifier.		
Temperature of delivered Gas on LED display.		
Jar should be autoclavable		
Nebulization assembly compatible with ventilator and circuit.		
Should have interface facility.		
Expiratory Unit- Life should be more than 3yrs.		
Data storage facility for at least 24hrs.		
Internal rechargeable battery at least 30min. backup.		
Should have flow sensors having long life not less than one year and the company shall specify the life cycle and the cost of the flow sensors at the time of quoting the tender.		
Accessories & consumables:to be included		
Adult autoclavable silicone breathing circuit		
Paediatric autoclavable silicone breathing circuit		
Reusable Masks (Small, Medium, Large) with machine		
All Accessories for non-invasive ventilation		
Humidifier -Servo controlled FB MR 810 , for adult and infants ,with digital monitoring of inspired gas temperature complete with heating wire-QTY 2, Filter paper for humidifier for 100 uses		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		

ITEM # :2	QTY :4	
ICU VENTILATOR (Invasive & Non-invasive)	**COMPLIANCE**	**DEVIATIONS**
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		

ITEM # :2	QTY :4	
ICU VENTILATOR (Invasive & Non-invasive)	**COMPLIANCE**	**DEVIATIONS**
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 3	QTY : 2	
DEFIBRILATOR MONITOR	**Compliance (Y/N)**	**DEVIATIONS**
Good brand name		
Biphasic type		
Semiautomatic and manual modes		
External defibrillation Energy setting Level: 10-270 J		
Internal defibrillation Energy setting Level: 5-50 J		
Paddle: External (adult, Child)		
Pacing Function: Provided		
Recharging time: Not more than 10 sec when fully charged battery or AC plugged in operation.		
Thermal Printer: Built in, with Thermal Head, auto start when charging and discharging, Start/Stop buttons, uses standard Defibrillators thermal paper.		
ECG synchronous and asynchronous		
Lead select to be displayed		
AED mode included.		
External Pace maker:		
Demand, fixed rate pacing modes		
Pacing rate 50-150 ppm		
Output current 0-140mA		
Pulse width 20msec min		
3 and 5 ECG cables included		
Fully defibrillator protection on the input		
Detects pace maker pulses		
Heart rate : 25-300 bpm		
Lead fault indicator		
ECG recorder		
Summary Feature		
Nearly 7'' LCD TFT Monitor to display Heart rate, ECG wave, ALARMS and other device features like battery, AC, Filter Lead ,etc		
Memory not less than 30 ECG strips of 20 sec.		
Defibrillator can operate on AC or battery modes		
Power:220 V AC 50/60HZ		
Rechargeable battery:		
Operating time : Min 50 Discharge		
Charging method AC/DC		
Charging time: 5hr max. the lower time will be rated		
Low battery indication		
Audible and Visual Alarms to indicate: Arrhythmia, No ECG signal, Heart rate Low/High, Low Battery, Charging And Discharging Tunes.		
Including:		
Dust Cover		
Chart Paper: 5 charts.		
Electrode Jell: 5 TUBES		
Spare 3 leads ECG cable (QTY 2)		

ITEM # : 3	QTY : 2	
DEFIBRILATOR MONITOR	**Compliance (Y/N)**	**DEVIATIONS**
external paddles (adult and child)		
Optional to be priced separately:		
Chart Paper		
Battery		
ECG cable 3 and 5 leads.		
external paddles (adult and child)		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		

ITEM # : 3	QTY : 2	
DEFIBRILATOR MONITOR	**Compliance (Y/N)**	**DEVIATIONS**
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 4	QTY : 1	
COMPLETE MONITORING SYSTEM	**CHECK LIST Compliance (YES/NO)**	**DEVIATIONS**
Good brand name		
SPECIFICATIONS :		
1. BED SIDE MONITORS :MODULAR QTY 19		
The monitor uses a modular hardware design		
Not less than 17 inch flat panel TFT color display		
Rosolution not less than 1280x1024		
The monitor is capable of displaying 6 waveforms at least simultaneously in a moving-trace format		
The system uses a single control knob for functional control.		
Alarms :Visual and Audiable with Low, medium and high levels , with color coded to defrantiate between Patient and monitor alarms.		
72-hour trend display with graphical and numerical data to review patient progress		
Easy future upgrade and modification to accept othr parameters		
Measures: max. 12 lead ECG,Resp, SpO2,NIBP,Temp, IBP, EtCO2, invasive and noninvasive(ICG) CO, Anesthetic Gases, BIS, CSM, ST segment analysis, arrhytmia analysis , with drug calculations.		
Connectors for parameter modules and transfer monitor.		
Capable of monitoring adult, paediatric, and neonatal patients		
ECG and respiration :		
Simultaneous multi-lead ECG (including 12 lead analysis) Respiration		
Must process incoming ECG data via a simultaneous, multi-lead format for arrhythmia detection During use at a monitor and during transport		
Full lead select (I, II, III, aVR, aVL, aVF, and V (V1-V6 when using the ten lead cable) for display.		
Each monitor simultaneously obtains, at minimum, three ECG leads for QRS detection and arrhythmia recognition.		
Each monitor is equipped with a “smart” lead-fail system.		
Trace Sweep Speed 50-12-12.5-mm/sec		
Software basic arrhythmia detection		
Respiratory signal is obtained through the ECG leads.		
Thoracic impedance plethsmograph		
Pace maker pulse rejection		
The user can select Lead I or Lead II for respiratory cycle monitoring and waveform display.		
Defibrillator protection provided		
Patient leakage current, less than 10uA		
Each monitor is include 10 lead patient cable		
For pediatric and neonatal monitoring, each monitor include a 3-lead patient cable		
NIBP :1channel		
The monitor uses the oscillometric method for pressure determination.		
Measurement modes include: Manual mode		
Time interval automatic mode (user-selectable time interval) STAT mode (5 minutes of rapid measurements)		
The monitor displays systolic, diastolic, mean values, and time of pressure determination. (In timed auto mode, display shows time to next reading.)		
Measurements are tabulated for recall and review.		
The monitor uses a dual-hose cuff configuration capable of accommodating adult, pediatric, and neonate cuff sizes.		
Hose is included for each monitor		
Three sizes (infant , child and adult) cuffs are included for each monitor		
Invasive blood pressure : 2channels		
The monitor should be capable of displaying the waveforms at different speeds		
The monitor can monitor up to four invasive blood pressures.		
The user can label the monitored pressures on the display. Labels include: ART, PA, CVP, ICP, LA, SP (special), FEM, UAC, UVC, and RA.		

ITEM # : 4	QTY : 1	
COMPLETE MONITORING SYSTEM	**CHECK LIST Compliance (YES/NO)**	**DEVIATIONS**
The pressure waveform display includes a user-adjustable cursor.		
The monitor automatically measures the PAW.		
CPP (cerebral perfusion pressure) is displayed in the ICP window when both a mean arterial pressure and ICP are monitored.		
Alarm Limit Adjust high and low limit		
Numeric update rate ; every 3- second		
Zero : Auto zero		
Trunk cable reusable qty 2 and 10 disposable transducers complete withal all accessories		
Temp : 2- Channel		
Measurement Range : 0 to 50^{o}C		
Numeric up to date Rate: every 3 sec.		
Alarm limit adjustable high and low limits		
Displays parameters, temp (single probe attended), T1, T2		
Esophageal or rectal probe should be delivered		
One skin probe should be delivered		
Pulse oximetry : 1 Channel		
The monitor can measure oxygen saturation using pulse oximetry.		
The module offers compatibility with two or more probe manufacturers.		
The user can select the SpO2 waveform for display.		
The monitor displays an O2 saturation value and a pulse		
The SpO2 program includes the following features: High and low alarm limits for O2 saturation Automatic waveform sizing		
Signal strength indicator		
Displayed messages include: Interference detected, low light, check probe, low signal quality, probe off patient, replace probe.		
Display update: 2 sec. And numeric up date rates every 2 sec.		
Probe for adult, probe for pediatric and for neonatal and extension cable should be delivered		
Mounting system: GCX**,** Variable Height Wall Mounting Kit, vertical and lateral positioning plus tilt/swivel adjustments.		
2. NURSE STATION :		
19 ″ color LCD display with touch screen		
Number of patients: 19 in standard display format.		
Displayed information: Access to complete patient information including alarm histories, graphic trends, tabular vital signs, and one hour Full Disclosure		
Wave display: Non fade, moving or fix mode.		
Sweep speed: 25 mm / sec		
Instantaneous access to all patient monitoring information		
72 hours storage up to 9 real time waveforms and all parameter numeric for all patients		
Multiple patient view : continuously view up to 4 waveforms for up to 16 patients		
Single patient view : includes graphical trends, vital signs, alarm histories and full disclosure		
Generates documentation for up to 16 patients		
Interactive alarm display		
Color-coded alarm notification		
Alarm silencing for 1 min.		
Storage : 128 MB RAM , 1.44 MB floppy disk , CD-ROM drive , 18 GB hard drive		
Outputs ports : RS 232 serial qty2 , one parallel output in addition to audio output		
Speakers qty 2 are included		
Key board is included		
Mouse is included		

ITEM # : 4	QTY : 1	
COMPLETE MONITORING SYSTEM	**CHECK LIST Compliance (YES/NO)**	**DEVIATIONS**
Including all necessary hardware , software and installation		
3. PRINTER :-		
50 mm external printer included		
HP laser printer		
Box of paper 50 packs is included		
4. INSTALLATION		
All cables ,wires …etc needed for installation of hardware and software are included in price		
Connecting the monitors to central nurse call system is included		
5- TRANSFERE MONITORS : QTY 2		
1. MONITORS :		
Can be hooked to patient transfer trolley		
Can be used with same multi parameter module used in Bed side monitor item 1 , or can be connected to Bed side monitor item 1		
LCD display not less than 6 inch with resolution 640*480		
Battery operated with run time not less than 3 Hrs		
Alarms : visual and audible		
include all accessories mentioned in Bed side monitor item 1		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		

ITEM # : 4	QTY : 1	
COMPLETE MONITORING SYSTEM	**CHECK LIST Compliance (YES/NO)**	**DEVIATIONS**
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 5	QTY :2	
ELECTROCARDIOGRAPH	**Compliance (YES/NO)**	**DEVIATIONS**
Good brand name		
To be used in All wards of the hospital including Emergency ans ICU.		
Leads: 12 standard leads acquired simultaneously and continuously		
Number of Channels:12 real times continuous with rhythm, interpretation and measurements		
ECG interpretation Analysis		
Resting ECG Mode		
Computerized measurements 12-lead analysis		
Programs for adult , pediatric and Neonate		
Arrthymia: detection of arrthythmia events		
HRV:acquisition and processing of heart rate variation		
Parameter Calculation		
ECG analysis and measurments programs		
HRV: heart rate variation		
Memory storage not less than 100 patiants		
Pacemaker recognition: recognize pulse in accordance with current IEC standards		
Internal Defibration protection		
Recording speed:writer speed : 5,10,25 or 50mm/sec		
LCD DISPLAY: backlight graphic display around 5″		
display channel:1, 3, 6 ,12		
Operation modes : Auto or Manual		
Copy button for generating multiple copies		
Thermal printer		
Rechargeable battery		
Battery power capacity not less than tow hour		
power:220V AC 50/60Hz		
Complete with the following:		
ECG original manufacturer trolley		
ECG Cable holder (Hanger)		
One spare (Extra) ECG cable and leadwires		
ECG patient cable +lead wire , limb electrode sets+ chest pump electrodes		
3 sizes multi-purpose use for banana/DIN/snap/clips Limp electrodes sets (adult , pediatric and neonate)		
3 sizes multi-purpose use for banana/DIN/snap/clips Chest pump electrodes sets (adult ball diamter: 26mm; metal electrode diameter: 21 mm, pediatric ball diamter: 23mm; metal electrode diameter: 17mm and 3 neonate disposable chest electrodes sets)		
Jell tube (qty 5)		
ECG paper (10 rolls)		
OPTIONAL TO BE PRICED SEPARATELY:-		
ECG cable		

ITEM # : 5	QTY :2	
ELECTROCARDIOGRAPH	**Compliance (YES/NO)**	**DEVIATIONS**
Limp electrodes set		
Chest pump electrodes set		
Jell tube		
ECG paper		
Rechargeable battery		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		

ITEM # : 5	QTY :2	
ELECTROCARDIOGRAPH	**Compliance (YES/NO)**	**DEVIATIONS**
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 6	QTY :19	
OXYGEN FLOWMETER UNIT COMPLETE	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Configurations:		
To be used in All Departments with 4bar supply pressure		
Direct connected to the outlet no rail on BHU		
Consists of: Flow meter, Humidifier: and gas specific male adapter.		
Flow meter:		
Metal base , unbreakable glass or transparent strong plastic numeric marked flow numbers in L\m.		
Back-pressure compensated is available.		
Flow range: From 0 to 15 L/min.		
Increment: 0.50 L/min		
Accuracy: ±0.25 L/min		
Max. flush flow rate 50 l/min		
Supply pressure 50 psi		
Knob and needle valve have a stop to prevent entire components from unscrewing completely		
Humidifier: Capacity: 500 cc.		
Metal connector to the flowmeter , transparent strong plastic unbreakable, autoclavable .		
Built-in safety relief valve prevents over pressure.		
Gas male adapter, DIN type connector.		
Complete with:		
Mask and tube 3 sizes (Adult , child and pediatric) are included.		
Nasal tube 3 sizes (Adult , child and pediatric) are included.		
Christmastree oxygen adapter		
OPTIONAL TO BE PRICED SEPARATELY:-		
Flow meter		
Humidifier		
Connector		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		

ITEM # : 6	QTY :19	
OXYGEN FLOWMETER UNIT COMPLETE	**COMPLIANCE (Y/N)**	**DEVIATIONS**
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 7	QTY :19	
SUCTION UNIT COMPLETE WALL MOUNTED	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Rail mounted type (Rail should be included)		
Durable solid metal body corrosion free		
DIN type connector		
Adjustable vacuum pressure : From 0 to -750 mmHg Max.		
Safety bottle, washable, unbreakable. With overflow cut off valve.		
Collecting bottle is included:-		
Collecting bottle size 2000 ml		
Overflow trap		
Bacterial filter		
Autoclavable		
All connecting tubes between bottles are included		
Including Vacuum regulator with vacuum gauge.		
Including clamps and rail for mounting on the wall , no rail in the installed BHU		
Including bacteria filter at the inlet of the safety bottle with 10 spare filters		
Prices for all mentioned accessories and spares.		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		

ITEM # : 7	QTY :19	
SUCTION UNIT COMPLETE WALL MOUNTED	**COMPLIANCE (Y/N)**	**DEVIATIONS**
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 8	QTY : 2	
MEDICATION CABINET	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Construction :304 medical grade Stainless steel / washable / coated / Rustproof		
Upper section with two lockable glass doors		
Lock and flat key and two adjustable inox shelves		
Lower section with two sheet steel locking doors and removable sheet steel shelf		
Knock down construction		
Dimensions: (75Wx38Dx169H) cm		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM: 9	QTY :2	
EMERGENCY TROLLEY COMPLETE	**Compliance (YES/NO)**	**DEVIATIONS**
Good Brand name		
Configurations:		
Technical Specifications: Approx.(Nearly)		
Height: 900mm; Width: 900mm; Depth 600mm.		
Material: High-strength ABS material or powder coated strong metal.		
Frame: Stainless steel guard rail, Sliding side shelf, Centralized lock		
Dust basket, Needle disposal holder, file bin IV pole, Defibrillator shelf, Defibrillator Board, Power outlet & Hooks, Oxygen tank holder		
Five ABS drawers central locking		
Four luxurious noiseless casters, two with brakes		
Polymer near silent castors with break mechanism.		
Backboard		
Iv pole holder		
MONITOR/DEFIB TRAY: Defibrillator swing arm		
Sharps bin		
IV pole & mount		
Including :		
Sphygmomanometer		
Stethoscope		
Torch (pencil)		
Ambo Bag set Adult 3 sizes		
Ambo Bag set infant 3 sizes		
Diagnostic set Atoscope/Ophthalmoscope		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		

ITEM: 9	QTY :2	
EMERGENCY TROLLEY COMPLETE	**Compliance (YES/NO)**	**DEVIATIONS**
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 10	QTY : 1	
AUTOMATIC BLOOD PRESSURE MONITOR	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Manual and automatic modes		
Selectable Intervals for Automatic mode		
Audible and Visual Alarms		
Can be used for adult ,pediatric and neonate		
Measuring Ranges:		
Systolic pressure 30-250mm Hg for adult /ped. 30-140 mmHg for neonate		
Diastolic Pressure 10-220mmHg for adult /ped. 10-110 mmHg for neonate		
Mean arterial pressure 20-230 for adult /ped. 20-125 mmHg for neonate		
Pressure Accuracy: +/- 1 mmHg		
Heart rate 30-200 beats/min for adult /ped. 30-220 mmHg for neonate		
Heart rate accuracy: +/- 1 bpm		
Storage for the last 100 values.		
Complete with cuffs for adult, pediatric and neonate.		
Adjustable alarm limits.		
Power supply: 220V/50Hz		
Internal battery for more than 120 min		
Original Stand with counter weight included		
OPTIONAL TO BE PRICED SEPARATELY:-		
Blood pressure cuff for adult		
Blood pressure cuff for pediatric		
Blood pressure cuff for neonate		
Battery.		
Stand.		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		

ITEM # : 10	QTY : 1	
AUTOMATIC BLOOD PRESSURE MONITOR	**COMPLIANCE (Y/N)**	**DEVIATIONS**
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 11	QTY : 10	
INFUSION PUMP WITH STAND	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Open system for any type of sets used in MOH.		
CONFIGURATION		
Pump mechanism:Linear peristaltic		
Number of channels:1		
DISPLAY		
Data displayed:Rate, infused volume, total volume, medication name, duration, battery capacity, pressure limit		
PUMP CAPABILITIES		
Flow range, mL/hr : 0.1-999.9		
Increments, Ml :0.1		
KVO rate, mL/hr :1-5		
Accuracy, % : ±5		
Volume to be infused: 1-9999ml in 1ml increment		
VTBI selector, mL : 0.1-9,999		
Fluid resistant		
Front-panel lockout		
IV SET		
Open system infusion pump		
Set type :Standard, PVC		
Free-flow protection: Required		
ALARMS & INDICATORS		
Occlusion upstream		
Occlusion downstream		
Pressure, psi :≤15		
Real-time display		
Flow error		
Air in line		
Drop sensor		
System malfunction		
Empty reservoir		
Set disengaged		
Door open		
Infusion complete		
Low battery		
AUDIBLE ALARM		
Volume control		
Momentary silence		
EVENT LOG INCLUDED		
POWER SOURCE		
Line power, VAC (Hz) : 220 (50/60)		
Battery:Integral		
Accessories: Original infusion bump stand with counter weight		
OPTIONAL TO BE PRICED SEPARATELY:-		
IV set		

ITEM # : 11	QTY : 10	
INFUSION PUMP WITH STAND	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Rechargeable Battery		
Pump Motor		
Dooor Access.		
Drop sensor		
Stand		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		

ITEM # : 11	QTY : 10	
INFUSION PUMP WITH STAND	**COMPLIANCE (Y/N)**	**DEVIATIONS**
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 12	QTY : 10	
SYRINGE PUMP WITH STAND	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Open system (use any syringe)		
Digital display for rate ,total infused target and alarms		
Flow rate setting range: 0.1 to 300 mL/hr. in 0.1 mL/hr. increments.		
Total volume display: 0.1-999.9 mL.		
Flow rate accuracy: Mechanical accuracy-within ±1 %		
Accuracy including syringe-within ±2%		
Occlusion detection pressure: 0.7 kg/cm² or more.		
Syringe to be used: 5,10, 20, 30 and 50 mL disposable syringes.		
Functions: Self-diagnosis indication, automatic syringe size Identification, prime, quick feed, infusion flow rate setting, total volume infused indication, Dose calculation, Drug selection, Bolus function, power source Indication and buzzer disable.		
Alarms: Self-diagnosis, occlusion, syringe off. Not-in-operation, near empty (1 min. before empty), empty and low battery.		
Units : ml/hr ,mg/hr , mg/kg/hr		
Power supply: AC 220v ±10%, 50Hz		
Internal Battery: Rechargeable, more than 5hrs life time		
Mobile Stand with counter weight included		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		

ITEM # : 12	QTY : 10	
SYRINGE PUMP WITH STAND	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 13	QTY :2	
MEDICATION TROLLEY	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name Manufacture.		
Made of steel sheet frame and powder painted or strong metal or high strong plastic		
Top compact laminated to prevent from chemicals		
Strong rubber for protection surrounds bottom		
3 drawers on both sides		
Plexiglas cabinets on each side for medicine		
Side rails on top		
IV rod height adjustable		
Hand for movement		
3 baskets attached		
4 castors with 2 brakes		
Dimension: 720 * 410 * 1020H mm approx.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # :14	QTY :2	
X-RAY VIEWER DOUBLE	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good Brand name		
Wall mounted		
2part viewers.(double panels)		
Fluorescent light or Equivalent. With good illumination		
Shadow less, Non-retractable color change.		
Made of power coated / Aluminum housing material metal sheets from both sides and rear.		
Each viewing panel must not be less than 14x17 inch size		
Film holder clamps and ON/OFF switch key included.		
Power: 220 V, 50/60 HZ		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 15	QTY : 19	
BED SIDE CABINET with OVER BED TABLE	**Compliance (YES/NO)**	**DEVIATIONS**
Good brand name		
Enameled sheet steel frame.		
One drawer.		
One cabinet.		
One steel shelf inside cabinet.		
Mobile on 4 castors with bumpers.		
Dimension: 45 *40* 85 h cm approx.		
Built in service stand (Over Bed Table) with the following specifications:		
Bed table can be hidden in case of no use.		
Chrome plated steel tube.		
Tilt able plastic top.		
Adjustable height manual from 75 to 120 cm.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 16	QTY : 2	
ULTRASONIC NEBULIZER	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Desk Top Ultrasonic Nebulizer		
Nebulization : 0.4-0.7 ml/min		
Max. Cup capacity : 8ml		
Particles :1-5 micron		
Oscillating frequency: 2.4 MHz approx.		
LCD display for time , and air flow		
On/off button		
POWER SUPPLY: 220VAC/50Hz		
Including mouth piece , tubes , filters , masks for infant and pediatrics		
OPTIONAL TO BE PRICED SEPARATELY:-		
mouth piece, one set		
filters, one set		
tubes, one set		
masks for adult and pediatric, one set		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		

ITEM # : 16	QTY : 2	
ULTRASONIC NEBULIZER	**COMPLIANCE (Y/N)**	**DEVIATIONS**
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # : 17	QTY : 1	
WARMING MATTRESS	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Mattress control unit can be set to any temperature between 32-40 °C with 0.1°C accuracy.		
Low voltage usage. No risk of electricution.		
Mattress reaches 37°C temperature within 7-10 minutes.		
Carbon fiber material accounts for x-rays.		
The weight of the control unit is Arround 3 kg.		
Weight capacity not less than 180kg.		
Dimensions : Arround 190x50cm.		
Has an advanced alarm and safety system.		
Reusable Anti-bacterial/viral mattress, proven resistance to MRSA. Greater protection against shear and friction Fully concealed zip to prevent fluid ingress Easy to remove and clean, covers are available.		
Easy to use, silent running control unit		
DOCUMENTATION		
1. Operating Manual (in original) soft and hard copies		
2. Maintenance Manual (in original) soft and hard copies		
3. Spare parts catalogues (in original).		
4. Current price/catalogue lists (in original).		
5. Standard Service Manual (in original).soft and hard copies		
6. Trouble shooting Manual (in original).		
STANDERDS:		
1.Sould be FDA, Europian CE, UL or BIS approved product		
2.Manufacturer should have ISO certification for quality standards .		
TRAINING		
Training of 4 x operators to an extent to enable them to operate and common fault finding in concerned hospital/unit without any additional cost.		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Installation		
Installation, Testing, Commissioning & Handing-over including site preperation if needed		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		

ITEM # : 17	QTY : 1	
WARMING MATTRESS	**COMPLIANCE (Y/N)**	**DEVIATIONS**
3. Regular preventive maintenance and QA checks as per manufacturer recomindations in service manual will also be part of the warranty		
4. 95% uptime guarantee should be given. In case downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.		
MAINTENANCE & REPAIR		
1.The supplier must ensure the availability of expertise service and maintenance The vendor should submit company profile including names and No. of engineers, training certifications preferably on the same product.		
2.The seller will guarantee to supply the necessary spares for next at least 10 years from the date of final acceptance of the system, if so required by PN.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM # :18	QTY :1	
WHEEL CHAIR ADULT	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Solid construction		
Upholstered armrests		
Weight capacity: not less than 150 Kg		
Detachable folding foot plates		
Seat width 50 cm		
Seat depth 42 cm		
Back tiers 57-cm rad. Approx.		
Front tiers 15 -cm rad. Approx.		
Wheels (tires) are made of solid plastic or leather.		
All joints are made from metal (no plastic joints)		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering Unit		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		

ITEM #:19	QTY :2	
LINEN TROLLEY CLEAN/DIRTY	**COMPLIANCE (Y/N)**	**DEVIATIONS**
Good brand name		
Construction : Circular stainless steel tube frame,and shelves. The trolley is made of 304 medical grade stainless steel and designed without sharp edges.		
Two stainless slteel bag holders for the collection of dirty linen and distribution of clean linen		
Two Bags is made from canvas and can be removed (Reusable)		
Bumpers are on each corner		
4 castors :125 mm diameter with 2 brakes		
Dimension 1330* 650 * 1040H mm		
INSPECTION		
1. Inspection Authority: MOH-Biomedical Engineering		
2.shall inspect and test and where necessary reject the equipments after its arrival at the Hospital .		
Warranty		
1.Warranty: 2 years on site comprehensive warranty (labour & spares covering all parts of the units and items supplied), from the date of issue of installation certificate by Biomedical Engineering Unit		
2.warranty should be for 30 months from delivery at least if the site is not ready to accept the equipment.		
TERMS AND CONDITIONS		
1.The Supplied equipment should be complete with all accessories and consumables needed to work completely as specified		
2.Country of origin should be clear in the offer		
3.Country of source should be clear in the offer		
4.Date of manufacturing should be clear in the offer		
5.Complete and original New catalogue **including data sheet** is attached with the offer.		
6.Number of units installed in Palestine if any (a list of the same model with serial number and location).		
7.The offer will not be taken in consideration in case of incomplete compliance sheet or any conflict between the catalogue/data sheet submitted and the compliance sheet		
8.The Vendor should submit Agency Agreement, or Sole distribution agreement or Authorization letter for sale and maintenance.		