



Ministry of Health

Directorate of Biomedical Engineering

Technical Specifications for Gynecology Equipments



Item Description: Examination Couch for Hospital Use
Item No:(1)

Class No. : ()
Quantity : (36)

No .	Technical Specifications	Min MOH Requirement	Bidders Offer
1.	Manufacturer	Please specify manufacturer and country of origin & country of manufacturer	
2.	Model Number	Please specify model number	
3.	Safety standard	FDA approval or CE marking	
4.	Design	Heavy duty, compact design and high quality finishing	
5.	Construction	<ul style="list-style-type: none">- Frame made from steel epoxy powder coated or better.- Two sections : back section adjustable by gas spring , Headrest Adjustable at different angles- Fixed Height	
6.	Top	Thickness 50 cm Min , Made by foam , washable , fireproof	
	IV Pole	Included	
7.	Safe working load	≥ 150 kg	
10	Dimension (L x W x H),mm	1800 x 600 x 800 approx.	
12 .	Unit Selection Criteria	Should be according to a seen & tested sample that should comply with the above specifications	

Note : Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations

م. صحي الربابعة (8) , م. صحي الكرامة (8) , م. صحي الديسة الأولى (4) , م. صحي شفا بدران (2) , م. صحي النصر (8) , مستودعات وزارة الصحة (6)



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications for Gynecology Equipments



Item Description: Examination Table Gynecology
Item No:(2)

Class No. : ()
Quantity : (4)

No.	Technical Specifications	Min MOH Requirement	Bidders Offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model Number	Please specify model number	
3.	Safety standard	FDA approval or CE marking	
4.	Design	Heavy duty, compact design and high quality finishing	
5.	Construction	<ul style="list-style-type: none">- Made from tubular steel epoxy powder coated- Three sections :back, leg and rest adjustable	
6.	Top	<ul style="list-style-type: none">- 5cm approx. pad covered with artificial leather	
7.	Leg holder	Two legs adjustable holder	
8.	Basin	Included under the bed	
9.	Dimension (L x W x H),mm	1800 x 500 x 800 approx.	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations : م. صحي عين الباشا , م. صحي الكرامة , م. صحي شفا بدران , م. صحي النصر



Ministry of Health

Directorate of Biomedical Engineering

Technical Specifications for Medical Equipment



Item Description: Fetal Heart Detector
Item No (3)

Class No. (11-696)
Qty(5)

No.	Technical Specifications	Min MOH Requirement	Bidder offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model number	Please specify model number	
3.	Safety standard	FDA Approval or CE marking	
4.	Design	Compact design, pocket type	
6.	Probe <ul style="list-style-type: none"> - Type - Frequency - Probe Holder 	Separate & connected to the unit by cable Cylinder, ultrasonic technology 2 - 2.5 MHz Built-in	
7.	Speaker	Built-in	
8.	Controls <ul style="list-style-type: none"> - Volume - Power on/off 	Included Included	
9.	Priced spare parts list :	Please price separately the following as spare parts : <ul style="list-style-type: none"> - probe 	
10.	Power Supply	<ul style="list-style-type: none"> - Dry cell or rechargeable battery - Auto shut-down included 	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations : م. صحي عين الباشا , م. صحي الكرامة 2 , م. صحي شفا بدران 2



Ministry of Health

Directorate of Biomedical Engineering

Technical Specifications for Medical Equipment



Item Description: Adult Scale

Class No.: (18-455)

Item No : (4)

Quantity : (8)

No.	Technical Specifications	Min MOH Requirement	Bidder offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model Number	Please specify model number of the offered equipment	
3.	Safety standard	FDA approval or CE marking	
4.	Capacity	Not less than 150 kg	
5.	Accuracy	± 100 g	
6.	Scale height , mm	Approx. 900	
7.	Platform size	Approx. 300 x 350 mm	
8.	Measuring rod height	Up to 200 cm	
9.	Readout with integral height bar	Mechanical	
10.	Design	Rugged for hospitals use	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الرابعة (1), م. صحي عين الباشا (1), م. صحي الكرامة (2), م. صحي الديسة الأولي (1), م. صحي النصر (1), مستودعات وزارة الصحة (2)



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications for Medical Equipments



Item Description: Baby Scale With Balance

Class No. : (20-013)

Item no : (5)

Quantity : (8)

No.	Technical Specifications	Min MOH Requirement	Bidder offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model number	Please specify model number	
3.	Safety standard	FDA Approval or CE marking	
4.	Design	Compact design	
5.	Type	Electronic	
6.	Configuration	Platform base with tray	
7.	Tray shape	Flat rectangular with upturned sides	
8.	Tray material	Molded plastic or polystyrene	
9.	Display	Digital	
10.	Capacity	Not less than 10 kg	
11.	Calibration	Self test calibration	
12.	Tray size (H x W x D) , cm	Approx. 12 x 55 x 25 & should be compatible to the scale	
13.	Scale size , overall (H x W x D) , cm	Approx. 10 x 40 x 30	
14.	Sensitivity	Approx. 10 g	
15.	Power supply	220 V / 50 Hz and DC battery operated	

Note : Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الربابعة (1), م. صحي عين الباشا (1), م. صحي الكرامة (1), م. صحي الديسة الأولى (1), م. صحي شفا بدران , م. صحي النصر (1),
مستودعات وزارة الصحة (2)



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications For Medical Equipment

Item Description: Electrical Nebulizer
Item No. :(6)

Class No. : (01-015)
Quantity :(12)

No.	Technical Specifications	Min MOH Requirement	Bidders Offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model Number	Please specify model number of the offered equipment	
3.	Safety standard	FDA approval or CE marking	
4.	Design	- Compact design, for hospital use - Heavy duty. - Hygienic.	
5.	Flow rate, L/min.	15	
6.	All standard accessories	Must be included and sterilizable	
7.	Operating pressure	0-1.0 bar	
8.	Noise level	Please specify	
9.	Max. pressure	Please specify	
10.	Power supply	220 V / 50 Hz	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الربابعة (1), م. صحي عين الباشا (4), م. صحي الكرامة (1), م. صحي الديسة الأولى (1), م. صحي شفا بدران, م. صحي النزهة (2),
مستودعات وزارة الصحة (2)



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications



Item Description: Electronic Blood Pressure for clinical use
Item No:(7)

Class No.: ()
QTY :(9)

No.	Technical Specifications	Min MOH Requirement	Bidder Offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model Number	Please specify model number of the offered equipment	
3.	Safety standard	FDA approval or CE marking	
4.	Design	Heavy Duty, Robust, Desk Type, Hand Held Design with Case	
5.	Technology	Oscillometric	
6.	Measured parameters	SYS , DIA , PR.	
7.	Operating modes	Automatic for adult , Pediatric	
8.	Display	Numeric display for the measured parameters and time, easy readable size	
9.	Cuff pressure range	30-250 mmHg	
10.	Pulse rate range	30-200 ppm	
11.	Alarms	Audible or visual for measured parameters with High & Low limits	
12.	Preferable features	<ul style="list-style-type: none">- Self-test on power ON- Error messages- Non-Breakable safety guard/cover for device protection from breaking when falls down	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الرابعة (2), م. صحي عين الباشا (2), م. صحي الكرامة (2), م. صحي الدبسة الأولى (1), م. صحي شفا بدران (1), م. صحي مؤنة (1)

Cont. ... Electronic Blood Pressure for clinical use

No.	Technical Specifications	Min MOH Requirement
13.	Accessories	<ul style="list-style-type: none"> - Adult reusable cuff - Case for device - Connecting hoses for the above - AC Adapter
14.	Power supply	<ul style="list-style-type: none"> - Battery & AC adapter - 220 v AC /50Hz for adapter
15.	Unit Selection Criteria	Should be according to a seen & tested sample that should comply with the above specifications

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الربابعة (2)، م. صحي عين الباشا (2)، م. صحي الكرامة (2)، م. صحي الدبسة الأولى (1)، م. صحي شفا بدران (1)، م. صحي مؤنة (1)



Ministry of Health

Directorate of Biomedical Engineering

Technical Specifications

Item Description: Stethoscope

Class No.: (13-750)

Item No.:(8)

QTY:(13)

No.	Technical Specifications	Min MOH Requirement	Bidder offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model number	Please specify model number	
3.	Safety standard	FDA Approval or CE marking	
4.	Design	<ul style="list-style-type: none">• Compact design• Light weight and flexible tubing• High quality stethoscope	
5.	Construction	<ul style="list-style-type: none">• Binaural double head chest piece with folding head piece• Complete with ear tips , bell shaped & diaphragm chest piece• Stainless steel chest piece or better• Latex , PVC Tubing	
6.	Feature	Single-Lumen tubing , nonchill rim	
7.	Unit Selection Criteria	Should be according to a seen & tested sample that should comply with the above specifications	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الربابعة (1), م. صحي عين الباشا (3), م. صحي الكرامة (2), م. صحي الديسة الأولى (1), م. صحي شفا بدران (2), م. صحي النصر (2), مستودعات وزارة الصحة (2)



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications for General Surgery Equipment



Item Description: Suction Machine
Item No(9)

Class No. : (10-208)
QTY:(3)

No.	Technical Specifications	Min MOH Requirement	Bidder offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model Number	Please specify model number of the offered equipment	
3.	Safety standard	FDA approval or CE marking	
4.	Design	Heavy duty Compact design, mounted on anti-static castors	
5.	Type	Electric , mobile , general purpose	
6.	Motor : - Flow rate L/ Min. - Vacuum ,mm Hg. - Type	- Not less than.30 liter / min. - Not less than 600 - Silent , oil less pump or piston	
7.	Safety features	- Automatic Change-over block from jar to other - Safety Automatic overflow shut off	
8.	Bottles	# Two collecting jars (2-3) liters fitted with sterilizable rubber bung & fluid valve	
9.	Filters	The apparatus should be available with bacterial filters	
10.	2 Spare bottles and 10 spare bacterial filters	Must be included in the price	
11.	Price The following:	- Motor assembly - Piston (if it is piston type) - Change over switch and over flow switch - Bottles - Tubes - Filters - Gauges	
12.	Power supply	220 V / 50 Hz	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الربايعة (1), م. صحي الكرامة (1), مستودعات وزارة الصحة (1)



Ministry of Health



Directorate of Biomedical Engineering

Technical Specifications

Item description: Spot Vital Sign Monitor on Mobile Trolley Class No.: ()

Item No.(10)

Qty.(4)

No.	Technical Specifications	Min MOH Requirement	Bidder Offer
1.	Manufacturer	Please specify manufacturer and country of origin & Country of manufacturer	
2.	Model Number	Please specify model number of the offered equipment	
3.	Safety standard	FDA approval or CE marking	
4.	Design	<ul style="list-style-type: none"> - Heavy duty, compact design - Configured, built in parameters - Mounted on original mobile trolley with rubber casters - Basket included for accessories storage 	
5.	Display	<ul style="list-style-type: none"> - Large display for the measured parameters 	
6.	Displayed Information	<ul style="list-style-type: none"> - Numeric data for the measured vital parameters - Vital parameters alarms audible & visual 	
7. 7-1.	NIBP : <ul style="list-style-type: none"> - Values - Pulse rate range - Modes - Cuff inflation - Cuff pressure range - Alarms (audible & visible) 	<ul style="list-style-type: none"> - SYS , DIA, PR - 40-200 bpm - for Adult , Pediatric - Automatic - 40 mmHg to 240 mmHg \pm 5 mmHg - High and Low for SYS , DIA 	

Note : Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي شفا بدران (1)، م. صحي النصر (1)، صحي عين الباشا (1)، م. الملكة رانيا (قسم الكلى) (1)

No.	Technical Specifications	Min MOH Requirement	Bidder Offer
7-2.	SPO₂ : <ul style="list-style-type: none"> - Values - SPO₂ Range - Pulse rate range - Alarms (audible & visible) 	-SPO ₂ % , PR. -50 – 100 % -30 – 200 bpm -High and Low SPO ₂	
7-3.	Temperature: <ul style="list-style-type: none"> -Type - Values - Range - Alarm 	-Oral - Temperature - 30-43°C - Hi & low	
8.	Standard Accessories	<ul style="list-style-type: none"> - NIBP Reusable cuff large adult size - NIBP Reusable cuff for Adults - Connection hose - SPO₂ Reusable finger probe for adult - Oral temperature probe with (400 tips) 	
9.	Power supply	<ul style="list-style-type: none"> - 220 V / 50 Hz or AC adaptor - Rechargeable battery Low battery & mains indicators 	
10.	Selected criteria	According seeing sample for device & trolley	

Note : Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م.صحي شفا بدران (1)، م.صحي النصر (1)، صحي عين الباشا (1)، م.الملكة رانيا (قسم الكلى (1))



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications



Item Description: Heat sealer for Clinics

Class No.: (39-008)

Item no : (11)

Quantity : (9)

No.	Technical Specifications	Min. MOH Requirement	Bidder offer
1	Manufacturer	Please specify manufacturer and country of origin	
2	Model Number	Please specify model number of the offered equipment	
3	Safety Standards	FDA approval or CE marking	
4	Application	- For sealing of sterilization bags, paper packages and sealable pouches used in medical clinics and laboratories.	
5	Type	Impulse manual type (tabletop).	
6	Control	- Electronic controlled, with LED indicators for errors and end of seal time, including audio buzzer.	
7	Construction	Stainless steel or thermal heavy-duty plastic.	
8	Temperature	Variable (up to 200 °C) or fixed at 190 °C approx.	
9	Seal time	Rapid (less than 5 seconds) with indicator	
10	Sealing width	Not less than 8 mm	
11	Sealing length	Not less 25 cm	
12	Sealing pressure	Manual press	
13	Process validation & standards	Included, EN-ISO 11607-1	
14	Data printing	Option, (separate price)	
15	Accessories	- built in Roll holder with manual cutting blade. - Front base.	
16	Power Supply	Single phase 220V/50Hz (Specify Power & Amps)	

Note : Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations::

م. صحي الرابعة (1), م. صحي عين الباشا (4), م. صحي الكرامة (1), م. صحي الديسة الأولى (1), م. صحي شفا بدران (1), م. صحي النصر (1) (



Ministry of Health
Directorate of Biomedical Engineering
Technical Specifications



**Item Description: EMERGENCY TROLLEY WITH
DEFIBRILLATOR**
Item No.(12)

Class No.: (09-056)
Qty.(1)

No	Technical Specifications	Min MOH Requirement	Bidder Offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model Number	Please specify model number of the offered equipment	
3.	Safety standard	FDA approval or CE marking for all parts of trolley	
4.	Design	Compact design and heavy duty on high quality finishing original emergency trolley and all components should be easy operated by users	
5.	Defibrillator: <ul style="list-style-type: none">- O/P Energy range for external paddle- Internal discharge- Charging trigger- Synchronizer- Internal paddle limit- Operation modes- Discharge test- Max charge time with Full Charged battery- Charging indication- Reusable Paddles holder- Reusable Paddles cable- Paddle plate & Test Electrode material- Internal paddles- Disposable paddles- If there is specific Gel must be used	<ul style="list-style-type: none">- Biphasic- be selected through not less than 10 steps, not less than 200J- Included- On paddles- Included, stand alone switch- Max. 50J- Sync. , Manual , AED- Included- less 7 sec at 200 J- Audio & visual- Heavy duty designed & Paddles should be easily Removed out from holder.- Can be disconnected and removed from the unit easily from external side .- Must be rust resistance & resistance to interaction with gel , detergents and cleaning materials .-(option) , specify price-Can be used , specify prices-specify type and price	
6.	<ul style="list-style-type: none">- Pacemaker :- (ETCO2,Capnograph) option	<ul style="list-style-type: none">-included-preferred-priced separately all options	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER”

Equipment Distribution Locations: م. الملكة رانيا

Cont.

EMERGENCY TROLLEY WITH DEFIBRILLATOR

No.	Technical Specifications	Min MOH Requirement	Bidder Offer
7.	ECG Monitor : <ul style="list-style-type: none"> - Display - Displayed information - ECG Source - HR range - ECG Gain - Beat indicator 	<ul style="list-style-type: none"> -Colored LCD or similar not CRT with a size min.5.5" - HR, ECG waveform, source, O/P energy selected and operation mode - Manually selected, paddles, leads I, II, III - 30-250 bpm with audio visual alarm with selected Hi and Low limits - 5, 10, 20 mm/mV - Audio 	
8.	Recorder: <ul style="list-style-type: none"> - Type - Speed - Modes 	<ul style="list-style-type: none"> - Built in thermal head - 25 mm/sec. - Auto & Manual 	
9.	Accessories: <ul style="list-style-type: none"> - Paddles - ECG Cable -Recorder paper - All other needed accessories 	<ul style="list-style-type: none"> - Reusable External Adult & Pediatric type - 3 Leads wire cable only - 100 pack of paper - Included 	
10.	First year sold for model number of the offered equipment	- Specify	

Cont. EMERGENCY TROLLEY WITH DEFIBRILLATOR

No.	Technical Specifications	Min MOH Requirement	Bidder
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Note: Bidder must answer with YES or NO in the “BIDDERS OFFER”

Equipment Distribution Locations: م. الملكة رانيا

			Offer
11.	Emergency trolley: - construction & Design	<ul style="list-style-type: none"> - Must be original trolley from well Known Manufacturers. - Constructed from Heavy duty, and high quality material with high quality finishing - Standard size approx (80cm*65cm*h100cm) - Side Bin included - 4 Lockable Drawers With Adjustable Partitions - A Waste Bin Provided - With Suction shelf - Iv Pole, humidifier Included - Oxygen cylinder holder - With Cardiac Board - Adjustable defibrillator tray with fixation for defibrillator and AC Plug Sockets Included with trolley - Castors with Brakes - Trolley Should be according to a seen & tested sample that should comply with the above specifications 	
12.	- Emergency trolley includes the following high quality accessories from well known manufacturers , and used before in ministry of health . Specify models and manufactures for all accessories.	<ul style="list-style-type: none"> - Oxygen cylinder Qty.(2) with regulators , and flow meters - Reusable manual resuscitator/adult - Reusable manual resuscitator/child - Re breathing bag different sizes - Manual suction - Magill forceps - Mouth extractor - Rigid face masks different sizes - Laryngoscope sets for adult & infant with straight blade (specify model) - Suction unit integrated with the trolley (1 L ,one jar up to 450 mm Hg approx.) - Electronic Blood Pressure Device - Complete Diagnostic set - Any other standard accessories 	-
13.	Power supply	<ul style="list-style-type: none"> - 220 V / 50 Hz - Rechargeable battery with built in charger with indicators for charging and low battery indicator & easy accessible from exterior 	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER”

Equipment Distribution Locations: م. الملكة رانيا



Ministry of Health

Directorate of Biomedical Engineering

Technical Specifications for Medical Equipments



Item Description: ENT. Diagnostic set

Class No.: (07-001)

Item No.: (13)

Quantity : (9)

No.	Technical Specifications	Min MOH Requirement	Bidders Offer
1.	Manufacturer	Please specify manufacturer and country of origin	
2.	Model number	Please specify model number	
3.	Safety standard	FDA Approval or CE marking	
4.	Design	Compact design	
5.	Constructions	Complete in case with metal battery handle	
6.	Otoscope	One with 5 ear specula	
7	Ophthalmoscope	One with step less focusing	
8.	Nasal	One nasal speculum	
9.	Laryngeal mirrors	Two with holder	
10.	Tongue depressor	One with holder including spare bulbs for each head , deluxe type	
11	Unit Selection Criteria	Should be according to a seen & tested sample that should comply with the above specifications	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations:

م. صحي الربابعة (2) م. صحي عين الباشا (2) م. صحي الكرامة (2) م. صحي الديسة الأولى (1) م. صحي شفا بدران (2)